

City Of Milwaukee
Department of Public Works
Room 501 – Frank P. Zeidler Municipal Building
841 North Broadway
Milwaukee, Wisconsin 53202-3684

INVITATION TO BID

Commissioner of Public Works
Phone: 414-286-3314

Specific Official Notice No. 24-1-2014

Sealed bids for the work, material, labor, and services hereinafter described will be received at the Department of Public Works **Contract Office**, Room 506, Frank P. Zeidler Municipal Building, 841 North Broadway, Milwaukee, Wisconsin 53202-3684, no later than Tuesday, March 4, 2014 at 10:30 A.M.

IMPORTANT

This bid is your offer to perform or supply the subject matter under “DESCRIPTION” below according to the terms and conditions set forth in this Invitation to Bid, Specific Official Notice No. 24-2014, General Specifications, Detailed Specifications, Special Provisions, Plans of this particular project, the proposed contract and Special Conditions when applicable.

Your bid must meet the Detailed Specifications and the Plans for this particular project.

You must agree to comply with all applicable requirements of the Americans with Disabilities Act of 1990, 42 U.S.C. Section 12101, et seq.

The bid must be signed as set forth in the General Specifications and must comply with all the requirements therein set forth, or it will not be considered. If submitted by a corporation, the bid proposal must bear the corporate seal.

Bid security hereinafter specified must be submitted with your bid. If a bid bond is used, it must be sealed by the bonding company and be accompanied by an affidavit of no interest and a copy of a power of attorney. Bonding agents must be licensed to do business in the State of Wisconsin.

Bids received after the date and the time above specified will not be opened and read and will be deemed rejected.

NOTE: Also read the General Official Notice to Contractors, General and Detailed Specifications, Special Provisions, and Special Conditions when applicable pertaining to this bid.

FOR HYDRANT ALTERATION IN:

PROJECT NO. 1:

S. Water St.

From: E. Washington St.

To: E. National Ave.

C.C Resolution No.: 120584, Adopted: 9/25/12

Plan File Nos. 2014014

S. Howell Ave.

From: W. Grange Ave.

To: W. College Ave.

C.C Resolution No.: 130363, Adopted: 7/23/13

Plan File Nos. 2014015

S. 27th St.

From: 930' N/O W. Oklahoma Ave.

To: W. Howard Ave.

C.C Resolution No.: 130363, Adopted: 7/23/13

Plan File Nos. 2014016

S. 60th St.

From: W. Allerton Ave.

To: 1236' S/O W. Layton Ave.

C.C Resolution No.: 130363, Adopted: 7/23/13

Plan File No. 2014017

N. Lovers Lane Rd.

At: W. Hampton Av.

C.C Resolution No.: 121333, Adopted: 2/5/13

Plan File No. 2014018

N. 9th St.

At: W. State St.

C.C. Resolution No.: 121333, Adopted: 2/5/13

Plan File No. 2014018

The SBE Requirement for this Project is: 15%

The Residency Requirement for this Project is: 40%

The Apprenticeship Requirements for this Project are: 1 Construction Craft Laborer

Liquidated damages per diem: \$220.00

Schedule notes: Coordinate work as necessary with paving contractors on S. Water St.(1302-00-73), S. Howell Ave.(2060-15-71), S. 27th St. (2265-08-70), N. Lovers Lane Rd(2030-09-70). Coordinate hydrant alterations in S. Water St. with Paving Contractor. Coordinate Hydrant Alteration in S 27th St STA65+20 with paving contractor. All other work on this contract, including pavement restoration, shall be completed by May 23, 2014.

Each project in this contract is assigned an allowable number of project working days. A project working day is defined as any day the contractor is able to work a minimum of four (4) hours towards completion of the project.

DETAILED SPECIFICATIONS: Installation Specifications for Water Mains dated January 2, 1987, special provisions and addenda, if any, apply to all of the above water main projects.

Bid Security Required: Bond, Certified Check, Cashier's Check, or Cash to accompany bid: 10% of Contractor's Base Bid. For those bids being submitted through BID EXPRESS and using a Paper Bond, the contractor may fax a signed/executed copy of the bid bond to the Department of Public Works Contract Office at 414-286-8110. **HOWEVER, THE FAXED COPY OF THE BOND MUST BE RECEIVED BY NO LATER THAN 10:30 A.M. ON THE SAME DATE THAT THE BIDS ARE DUE FOR THAT SPECIFIC OFFICIAL NOTICE, or the bid will be considered non-responsive.** *The original bid bond document will then need to be submitted by the contractor to the Department of Public Works Contract Office, Rm. 506, Municipal Building, immediately upon being notified that they are the apparent low bidder.*

NOTE: BIDS WILL BE OPENED AND PUBLICLY READ AT THE OFFICE OF THE COMMISSIONER OF PUBLIC WORKS ON Tuesday, March 4, 2014 @ 10:30 A.M.

IMPORTANT NOTICE: The Invitation to Bid, all bid documents and the Plans and Specifications for the listed project(s) are all available electronically on the DPW website AS WELL AS **on the Bid Express Website**. At this time, Bids can be submitted using either Bid Express OR by purchasing and submitting paper bids in the usual manner. However, Bidders are strongly encouraged to utilize the electronic and/or Bid Express methods of obtaining bid documents and Bid Express for submitting bids, as in the near future the Department of Public Works intends to have bid documents available only electronically and through Bid Express, *and to accept bid submittals only via Bid Express*. Electronic documents can be obtained via <http://www.mpw.net/bids/docs/24-2014/>. The Bid Express website is located at bidexpress.com. Any required addenda or response related to listed projects will be posted on both the DPW and Bid Express websites. At this time there are still a limited number of hard copies of the bid documents available at the address listed below. IF YOU ONLY PRINT THE DOCUMENTS FROM THE DPW WEBSITE PLEASE CALL 414-286-3314 TO HAVE YOUR COMPANY'S NAME AND CONTACT INFORMATION PLACED ON THE PLAN HOLDER'S LIST.

Plans and project manual will be furnished to the prospective bidders upon payment of a \$10.00 non-refundable fee in room 506, Frank P. Zeidler Municipal Building, 841 North Broadway, Milwaukee, Wisconsin 53202. For general questions call 414-286-3314.

A \$10.00 per set additional non-refundable fee is required to obtain bid documents by mail. Plans are sent via U.S. mail unless other arrangements are made by the contractor.

THE CONTRACTOR SHALL SPECIFICALLY NOTE THE SBE, RESIDENCY, AND APPRENTICESHIP FORMS FOR THIS PROJECT. IF THE FORMS ARE NOT FILLED OUT PROPERLY, IT WILL BE CAUSE FOR REJECTION OF THE BID.

THE TRAINING CREDIT INCENTIVE WILL NOT APPLY TO THIS PROJECT.

Contractor must comply with all provisions of the CITY OF MILWAUKEE GENERAL OFFICIAL NOTICE TO CONTRACTORS, published above and may be found at http://www.mpw.net/services/bids_home.

FOR HYDRANT ALTERATION IN:

PROJECT NO. 1:

S. Water St (5 Working Days)

From: E. Washington St.

To: E. National Ave.

W.O. Number: WT410130010

S. Howell Ave. (5 Working Days)

From: W. Grange Ave.

To: W. College Ave.

W.O. Number: WT410130015

S. 27th St. (8 Working Days)

From: 930' N/O W. Oklahoma Ave.

To: W. Howard Ave.

W.O. Number: WT410130016

S. 60th St. (7 Working Days)

From: W. Allerton Ave.

To: 1236' S/O W. Layton Ave.

W.O. Number: WT410130676

N. Lovers Lane Rd. (5 Working Days)

At: W. Hampton Ave.

W.O. Number: WT410130752

N. 9th St. (6 Working Days)

At: W. State St.

W.O. Number: WT410130753

In the City of Milwaukee, according to the plans and specifications and for the unit price bids listed on the following pages:

ALL PRICES MUST BE PRINTED OR TYPED

WATER MAIN

Friday, February 07, 2014

240 LIN. FT. FURN AND INST DI WM, HYD BRANCH, BRANCH PIPE
(3"-16" AS EST ON CONST PLANS)

(Bid in figures) \$ _____ PER LIN. FT.

(Bid in words) \$ _____ PER LIN. FT.

13 HYDRANT INSTALL HYDRANT

(Bid in figures) \$ _____ PER HYDRANT

(Bid in words) \$ _____ PER HYDRANT

3 HYDRANT REMOVE HYDRANT/MINOR

(Bid in figures) \$ _____ PER HYDRANT

(Bid in words) \$ _____ PER HYDRANT

5 HYDRANT REMOVE HYDRANT/MAJOR

(Bid in figures) \$ _____ PER HYDRANT

(Bid in words) \$ _____ PER HYDRANT

1 ABAND'MT ABANDON 6" WATER MAIN

(Bid in figures) \$ _____ PER ABAND'MT

(Bid in words) \$ _____ PER ABAND'MT

73 CU. YDS. AGGREGATE SLURRY BACKFILL

(Bid in figures) \$ _____ PER CU. YDS.

(Bid in words) \$ _____ PER CU. YDS.

204 BAR FURNISH & INSTALL DOWEL BARS - PAVEMENT

(Bid in figures) \$ _____ PER BAR

(Bid in words) \$ _____ PER BAR

WATER MAIN

Friday, February 07, 2014

49 SQ. YD. PERMANENT PAVEMENT - 4" ASPHALTIC CONCRETE

(Bid in figures) \$ _____ PER SQ. YD.

(Bid in words) \$ _____ PER SQ. YD.

60 LIN. FT. CURB & GUTTER - TEMP. BITUMINOUS PREMIX

(Bid in figures) \$ _____ PER LIN. FT.

(Bid in words) \$ _____ PER LIN. FT.

280 SQ. FT. WALK - TEMP. BITUMINOUS PREMIX

(Bid in figures) \$ _____ PER SQ. FT.

(Bid in words) \$ _____ PER SQ. FT.

10 SQ. YD. PERMANENT PAVEMENT - 9" CONCRETE BASE

(Bid in figures) \$ _____ PER SQ. YD.

(Bid in words) \$ _____ PER SQ. YD.

6 SQ. YD. PERMANENT PAVEMENT - 9" CONCRETE

(Bid in figures) \$ _____ PER SQ. YD.

(Bid in words) \$ _____ PER SQ. YD.

40 SQ. YD. PERMANENT PAVEMENT - 8" CONCRETE

(Bid in figures) \$ _____ PER SQ. YD.

(Bid in words) \$ _____ PER SQ. YD.

56 SQ. YD. PERMANENT PAVEMENT - 3" ASPHALTIC CONCRETE

(Bid in figures) \$ _____ PER SQ. YD.

(Bid in words) \$ _____ PER SQ. YD.

WATER MAIN

Friday, February 07, 2014

6 SQ. YD. PERMANENT PAVEMENT - 3" TEMP. BITUMINOUS PREMIX

(Bid in figures) \$ _____ PER SQ. YD.

(Bid in words) \$ _____ PER SQ. YD.

40 SQ. YD. PERMANENT PAVEMENT - 8" CONCRETE BASE

(Bid in figures) \$ _____ PER SQ. YD.

(Bid in words) \$ _____ PER SQ. YD.

18 LIN. FT. CONCRETE CURB & GUTTER

(Bid in figures) \$ _____ PER LIN. FT.

(Bid in words) \$ _____ PER LIN. FT.

270 SQ. FT. CONCRETE WALK

(Bid in figures) \$ _____ PER SQ. FT.

(Bid in words) \$ _____ PER SQ. FT.

1 LUMP SUM BARRICADES AND TRAFFIC CONTROL

(Bid in figures) \$ _____ LUMP SUM

(Bid in words) \$ _____ LUMP SUM

1 LUMP SUM FINISHING OF ROADWAY

(Bid in figures) \$ _____ LUMP SUM

(Bid in words) \$ _____ LUMP SUM

340 LIN. FT. SAWCUTTING - CONCRETE (FULL DEPTH)

(Bid in figures) \$ _____ PER LIN. FT.

(Bid in words) \$ _____ PER LIN. FT.

WATER MAIN

Friday, February 07, 2014

355 LIN. FT. SAWCUTTING - ASPHALT ON CONCRETE BASE (FULL DEPTH)

(Bid in figures) \$ _____ PER LIN. FT.

(Bid in words) \$ _____ PER LIN. FT.

1 LUMP SUM FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL

(Bid in figures) \$ _____ LUMP SUM

(Bid in words) \$ _____ LUMP SUM

TOTAL WATER MAIN

(Bid in figures) \$ _____

(Bid in words) \$ _____

***** IMPORTANT NOTICE *****

ALL BID PRICES MUST BE ENTERED IN WORDS AND IN NUMERALS. IN CASE OF VARIATION BETWEEN THE TWO, THE WORDS WILL PREVAIL.

IN ADDITION, IF THERE IS A DISCREPANCY BETWEEN THE TOTAL INDICATED IN THE PROPOSAL AND THE AMOUNT OBTAINED BY ADDING THE PRODUCTS OF THE QUANTITIES TIMES THE UNIT PRICES, THE LATTER SHALL GOVERN. ANY ERRORS FOUND IN THE TOTAL INDICATED SHALL BE CORRECTED AND THE CONTRACT AWARD SHALL BE MADE TO THE LOWEST RESPONSIBLE BIDDER BASED ON THE CORRECTED TOTAL.

IF DOUBT EXISTS AS TO WHAT IS BID, THE BID WILL BE REJECTED.

ACKNOWLEDGEMENTS PAGE

SMALL BUSINESS ENTERPRISE, RESIDENT PREFERENCE AND APPRENTICESHIP PROGRAM REQUIREMENTS

In submitting this bid, the bidder acknowledges, understands and agrees that submission of a bid shall commit the bidder to comply with the City's requirements as outlined in the SMALL BUSINESS ENTERPRISE PROGRAM, (SBE), the Resident Preference Program and the Apprenticeship Program provisions. The bidder also agrees to comply with the specific requirements as follows:

The bidder's commitment for SBE participation on this project is 15 %

The bidder's commitment for Resident Preference Program Participation on the project is 40 %

The bidder's commitment for Apprenticeship Program participation on this project is:

Apprentice(s) from one the following trade are to be employed:

Construction Craft Laborer

In submitting this bid, the bidder understands that the Commissioner of Public Works reserves the right to reject any and all bids. If written notice of the acceptance of the bid is mailed, telegraphed, or delivered to the undersigned within forty-five (45) days after the opening thereof, the undersigned agrees to execute and deliver the contract in the prescribed form (contract form on file in the office of the Commissioner of Public Works) and furnish the required performance and payment bonds, and to meet such insurance requirements as may be required, within ten days after the receipt of the official notice of award.

This bidder understands that if they are the successful bidder and the contract is awarded, that pursuant to Sec. 7.14, Milwaukee City Charter, 1971 Compilation, as amended, failure to execute and to deliver the contract or to furnish the required insurance and the required security within ten (10) days after receipt of the official notice of award or such extension thereto as the Commissioner only may deem reasonable, the City, in addition to any other legal or equitable remedy which it may have, may annul the award and notice of award, and the bid security of this bidder will be forfeited.

Attached hereto is an affidavit in proof that the undersigned has not colluded with any person in respect to this bid or any other bid for the contract for which this bid is submitted.

We acknowledge the receipt of Addenda _____ to _____ inclusive.

Bidder assures the City and acknowledges that the Official Notice, Special Provisions, if any, Special Conditions where applicable, Invitation to Bid and Bid, Detail Specifications, Addenda, if any, and Plans of this particular project have been read and has a full understanding of the provisions therein.

SIGNATURE PAGE
IMPORTANT – THREE (3) SIGNATURES ARE REQUIRED
OR BID WILL BE CONSIDERED NONRESPONSIVE

In signing and submitting this bid, the bidder assures the City of Milwaukee that the Official Notice, Notice to Bidders, Special Conditions where applicable, Invitation to Bid and Bid, Detail Specifications, Special Provisions, Schedule of Fixed Prices, Addenda, and Plans of this particular project have been read and understood and that the furnishing of the subject work, material, labor and services is under bidder's control. If the bidder's performance is contingent upon the acts of another party, the bidder assures that they have the necessary commitments to complete the contract which may be awarded.

Submitted by _____
Name of Bidder (person, firm or corporation)

Telephone No. _____

Fax No. _____

Address _____

(City, State, Zip Code)



Signed per _____
(Manual **signature required**)

MUST BE SIGNED

Official Capacity _____

BID DATED _____ SBE Contractor: Yes/Designation _____
No _____

If a Corporation, answer the following:

Incorporated under laws of what state? _____

If a foreign corporation, are you licensed to do business in Wisconsin? _____

SWORN STATEMENT OF BIDDER
AS REQUIRED BY
SECTION 66.0901 (7) WISCONSIN STATUTES

I, being first duly sworn at _____
(City, State)

on oath state on behalf of said bidder, that I have examined and carefully prepared this proposal from the plans, specifications, and the other contract documents and have checked the same in detail before submitting this proposal; and this sworn statement is hereby made a part of the foregoing proposal.



MUST BE SIGNED

Signature _____

(Title, if any)

Subscribed and sworn to before me this

_____ day of _____, 20_____

Notary Public, _____ County

State of _____

(Notary Signature)

My commission expires _____

NON-COLLUSION AFFIDAVIT

State of _____)
County of _____) ss.

_____, being first duly sworn, deposes and says that:

(1) He is _____
(owner, partner, officer, representative, or agent)

of _____, the Bidder that has submitted the attached Bid;

(2) He is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

(3) Such Bid is genuine and is not a collusive or sham Bid;

(4) Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this affiant, has in any way colluded, conspired, connived, or agreed, directly or indirectly with any other Bidder, firm, or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted or to refrain from bidding in connection with such Contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm, or person to fix the price or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit, or cost element of the Bid price or the Bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against the Commissioner of Public Works or any person interested in the proposed Contract; and

(5) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Check One) _____
Signature of

_____ Bidder if the bidder is an individual;

_____ Partner if the bidder is a partnership;

_____ Officer if the bidder is a corporation.

Subscribed and sworn to before me this

_____ day of _____, 20_____.

Notary Signature

My commission expires _____, 20_____.

Disclosure of Ownership

The statutory authority for the use of this form is prescribed in Sections 66.0903(12)(d), 66.0904(10)(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, local governmental unit, or developer, investor or owner on a project subject to Section 66.0903, 66.0904 or 103.49, Wisconsin Statutes, the contractor shall disclose to such state agency, local governmental unit, or developer, investor or owner, 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), 66.0904(2), 103.49(2) and 103.50(2), Wisconsin Statutes.
- (3) This form must ONLY be filed, with the state agency project owner, local governmental unit project owner, or developer, investor or owner of a publicly funded private construction project 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; or
 - (2) 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

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

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

PREVAILING WAGE NOTICE

ALL PREVAILING WAGE CONTRACTS AWARDED BY THE DEPARTMENT OF PUBLIC WORKS AFTER THE FIRST OF ANY CALENDAR YEAR ARE SUBJECT TO THE NEW PREVAILING WAGE SCHEDULE THAT GOES INTO EFFECT ON JANUARY 2ND. THE PREVAILING WAGE SCHEDULE INCLUDED IN BID PACKAGES ISSUED LATE IN THE PRECEDING YEAR MAY NOT BE TOTALLY ACCURATE FOR CONTRACTS OFFICIALLY AWARDED AFTER THE TURN OF THE YEAR. THE NEW PREVAILING WAGE WILL BE INCORPORATED INTO THE CONTRACT WHEN AWARDED.

BIDDERS ARE REQUIRED TO UTILIZE THE WISCONSIN DEPARTMENT OF WORKFORCE DEVELOPMENT'S "DICTIONARY OF OCCUPATIONAL CLASSIFICATIONS AND WORK DESCRIPTIONS" TO DETERMINE THE APPROPRIATE JOB CLASSIFICATIONS AND WAGE RATES FOR THEIR EMPLOYEES PRIOR TO BIDDING. THIS DOCUMENT CAN BE FOUND ON THEIR WEBSITE AT DWD.WISCONSIN.GOV; TYPE "DICTIONARY" IN THE SEARCH BOX.

City of Milwaukee

Department of Public Works

Residents Preference Program Provisions

I. General

- A. In accordance with Chapter 309 of the Milwaukee Code of Ordinances, residents preference hiring is required for all construction contracting activities of the Department of Public Works. The ordinance requires that 40% of WORKER HOURS worked on a DPW contract be performed by UNEMPLOYED or UNDEREMPLOYED RESIDENTS of the City, except in special cases where the Commissioner of Public Works determines there is sufficient reason to impose lesser levels of participation. Further, the Commissioner of Public Works may increase the percentage of RESIDENT worker participation to more than 40% on specific contracts. For this contract, bidders are required to show that the minimum percent of WORKER HOURS, as listed in the acknowledgements section/page and/or the Official Notice document will be performed by UNEMPLOYED or UNDEREMPLOYED RESIDENTS of the City. Up to one-third of required worker hours may be achieved by documenting the use of UNEMPLOYED or UNDEREMPLOYED RESIDENTS on projects undertaken by the contractor where such compliance is not required, or by hiring UNEMPLOYED or UNDEREMPLOYED RESIDENTS on a full-time permanent basis for non-construction job categories connected to the project. Such adjustments must be proposed in an affidavit on a form provided by the department setting forth the facts upon which the request for adjustment is based.
- B. The contractor, prior to commencing work, shall submit an affidavit (Form I) for proof of residency for all employees utilized by the contractor and subcontractors to meet the Residents Preference Program requirements, stating that each employee is either UNEMPLOYED or UNDEREMPLOYED and is a RESIDENT of the City. The contractor shall prepare and submit accurate and timely resident utilization forms and reports to the Department of Public Works. Time Reports shall be submitted within ten (10) days following completion of work, or every three months, whichever comes first. The reports shall identify the name, address, race, gender, work classification, wage rates and hours worked of all employees utilized on the contract by the contractor and all subcontractors. Failure to submit the required forms and reports to the Department of Public Works may result in disqualification of future bids, delay of payments, or other appropriate sanctions. Final contract payments will not be made until the summary of hours worked on the back of the Prime Contractor's Affidavit of Compliance is completed and on file with the Department of Public Works. Forms shall be submitted to DPW, Room 506, Municipal Building, 841 North Broadway, Milwaukee, WI 53202.
- C. During the performance of this contract the Department of Public Works reserves the right to conduct compliance reviews. If the contractor is not in compliance with the specifications, the Commissioner of Public Works will notify the contractor in writing of the corrective action that will bring the contractor into compliance. If the contractor fails or refuses to take corrective action as directed, or if the contractor, prime or sub, submits any documents which contain any false, misleading, or fraudulent information, or if the contractor or subcontractor fail to comply with this ordinance, the Department of Public Works may take one or more of the actions listed below.
1. Withhold payments on the contract.

2. Terminate or cancel the contract, in whole or in part.
 3. Consider possible debarment of the contractor from bidding for a period of up to two years.
 4. Any other remedy available to the City at law or in equity.
- D. The penalty for any person, firm, or corporation knowingly engaging in fraud, misrepresentation, or in any attempt directly or indirectly, to evade the provisions of this ordinance by providing false, misleading, or fraudulent information shall, upon conviction, forfeit not less than \$1,000 or more than \$5,000 together with the costs of prosecution and, upon default of payment, shall be imprisoned in the county jail or house of correction not to exceed 90 days, or until the forfeiture costs are paid.

II. Definitions

- A. RESIDENT – A person who maintains his or her place of permanent abode in the City of Milwaukee. Domiciliary intent is required to establish that a person is maintaining his or her place of permanent abode in the City. Mere ownership of real property is not sufficient to establish domiciliary intent. Evidence of domiciliary intent includes, without limitations, the location where a person votes, pays personal income taxes, or obtains a driver's license.
- B. UNEMPLOYED or UNDEREMPLOYED – a RESIDENT that has worked less than 1,200 hours in the preceding 12 months or has not worked in the preceding 30 days or, regardless of employment status, has household income at or below the federal poverty guidelines as adjusted by the Wisconsin Department of Public Instruction to define eligibility for reduced lunch in public schools. A RESIDENT will continue to qualify as unemployed or underemployed for five (5) years from the date he or she first participates in a contract under Chapter 309. If a RESIDENT becomes an apprentice for a contractor or becomes a participant in an on-the-job training program as determined by the City immediately after or in the course of performing on a particular construction contract, he or she shall continue to qualify as unemployed or underemployed for a period not exceeding 5 years from the date the person became an apprentice or participant in such on-the-job training program.
- C. WORKER HOURS – means the total hours worked on a construction contract by skilled and unskilled construction trade workers, whether those workers are employed by the contractor or any subcontractor. In determining the total worker hours to be furnished at a construction site, the number of hours devoted to all tasks customarily performed on a construction site shall be included, whether or not such tasks are performed on the construction site. "Worker hours" includes work performed by persons filling apprenticeships and participating in on-the-job training programs and excludes the number of hours of work performed by all non-Wisconsin residents.

III. Residency Utilization Requirements

- A. The contractor shall utilize UNEMPLOYED or UNDEREMPLOYED RESIDENTS of the City in a minimum amount equal to the percentage of the WORKER HOURS as stated in paragraph IA above.
- B. The contractor, by signing and submitting a bid, certifies that it understands the provisions of Chapter 309 and knows of and intends to comply with them, and shall ensure that all subcontractors are also informed.

- C. The contractor shall maintain, and shall ensure that all subcontractors maintain, personnel records listing the name, address, race and gender of all employees utilized for this contract and any records demonstrating that the employees utilized by the contractor in meeting the residency requirements are actual residents of the City. These records shall be maintained for seven (7) years after the contractor has received final payment under the contract and shall be made available to the Commissioner of Public Works upon reasonable notice.
- D. Compliance with these residency requirements is an element of bid responsiveness. Failure to meet the specified residency requirements will render the bid unresponsive, and the Commissioner of Public Works may then recommend the award to the next apparent low bidder.
- E. The City recognizes the following organization which can be contacted for access to trained or qualified workers from the City. Other organizations or sources of qualified RESIDENTS can be used at the bidder's discretion.

Big Step, located at 3841 West Wisconsin Avenue, Milwaukee, WI 53208.
Telephone 414-342-9787, fax number 414-342-3546.

- F. If the prime contractor has problems in meeting the residency requirements or if any other problems relative to residency participation arise during the completion of this project, the prime contractor shall immediately contact the Commissioner of Public Works.
- G. Right to Appeal – All contracts awarded under ss. 7-14-2 and 7-22 of the City Charter shall be awarded by the Commissioner of Public Works to the lowest responsible bidder determined in accordance with any applicable City ordinances relating to the participation of Small Business Enterprise Programs or requiring participation of City RESIDENTS. Following the opening of any bid where the Commissioner has considered compliance with such City ordinances, the Commissioner shall publish in an official City newspaper his or her determination as to the lowest responsible bidder. Any bidder who objects to the determination based on the consideration of such City Ordinances, may appeal the recommendation by filing a written appeal with the Commissioner within five (5) working days of the date of publication. The appeal shall state the specific objection to the determination, including supporting documentation, and specify an alternative determination. Any appeals that do not conform to this section shall not be considered. The Commissioner shall schedule a hearing before the Public Works Contract Appeals Committee which shall be comprised of the chair of the Economic Development Committee or his or her designee and a member of the Economic Development Committee selected by the chair and the Director of Administration or his or her designee to be held within five days of receipt of the appeal. The Public Works Contract Appeals Committee shall have the authority by majority vote to affirm or set aside the determination of the Commissioner and their decision in this regard shall be final. In the event that a timely appeal meeting the requirements of this paragraph is not filed, or the Committee affirms the Commissioner's determination following a timely appeal, the Commissioner shall make an award in accordance with his or her determination.

Contractor Name

DPW Contract No.

Employee Affidavit
Residents Preference Program

I certify that I maintain my permanent residence in the City of Milwaukee and that I vote, pay personal income tax, obtain my driver's license, etc. at _____, Milwaukee, WI _____
(Address) (Zip Code)

Residency status:

To verify my resident status, attached please find the following (check one)

- _____ Copy of my voter's certification form.
- _____ Copy of my last year's Form 1040.
- _____ Copy of my current Wisconsin Driver's License or State ID.
- _____ Copy of Other (i.e., Utility bill, Lease, etc.)

AND

Unemployment status:

I certify that I have been unemployed as follows: (Check those that apply)

- _____ I have worked less than 1,200 hours in the preceding 12 months.
- _____ I have not worked in the preceding 30 days.

OR

Underemployed status:

_____ I certify that based on the attached chart (Income Eligibility Guidelines), I am underemployed.

Print Name

Sign Name

Social Security Number

Home Telephone Number

Subscribed and sworn to me this _____ day

Of _____, _____ A.D.

My Commission Expires _____.

Notary Public Milwaukee County

RPP Chart

Income Eligibility Guidelines July 1, 2013 to June 30, 2014

Eligibility determination is based on household size and income.
Total income must be at or below the amounts in this table.

Household Size	Yearly	Monthly	Twice per month	Every 2 weeks	Weekly
1	21,257	1,772	886	818	409
2	28,694	2,392	1,196	1,104	552
3	36,131	3,011	1,506	1,390	695
4	43,568	3,631	1,816	1,676	838
5	51,005	4,251	2,126	1,962	981
6	58,442	4,871	2,436	2,248	1,124
7	65,879	5,490	2,745	2,534	1,267
8	73,316	6,110	3,055	2,820	1,410
9	80,753	6,730	3,365	3,107	1,554
10	88,190	7,350	3,675	3,394	1,698
11	95,627	7,970	3,985	3,681	1,842
12	103,064	8,590	4,295	3,968	1,986
For Each Additional Household Member Add	+7,437	+620	+310	+287	+144

Source: Wisconsin Department of Public Instruction

City Of Milwaukee

Department Of Public Works

Small Business Enterprise (SBE) Provisions

I. General

- A. In accordance with Chapter 370 of the Milwaukee Code of Ordinances, Small Business Enterprise (SBE) participation is required in all contracting activities of the Department of Public Works. The ordinance requires that certified SBEs be utilized for 25% of the total dollars annually expended through prime contracts or subcontracts for Construction and the purchase of Goods and Services. For the purchase of Professional Services the requirement is 18%. To that end, the Commissioner of Public Works, as a contracting officer for the City, requires all bidders to utilize SBEs as subcontractors and material suppliers on all contracts. For this contract, bidders are required to achieve the minimum percent of SBE participation listed in the Acknowledgements page/section and/or the Official Notice document.
- B. The prime contractor shall prepare and submit accurate and timely SBE utilization forms and reports to the Department of Public Works. The reports shall include, but not be limited to, Compliance Plan (Form A), monthly utilization (Form D), and SBE subcontractor payment certification (Form E) forms as directed. Failure to submit the required forms and reports to the Department of Public Works may result in disqualification of future bids, delay of payments, or other appropriate sanctions. Final contract payments will not be made until final SBE utilization reports and SBE subcontractor payment certification forms are on file with the Department of Public Works.
- C. During the performance of this contract, the Department of Public Works reserves the right to conduct compliance reviews. If the contractor is not in compliance with the specifications, the Commissioner of Public Works will notify the contractor in writing of the corrective action that will bring the contractor into compliance. If the contractor fails or refuses to take corrective action as directed, the Department of Public Works may take one or more of the actions listed below:
 - 1. Terminate or cancel the contract, in whole or in part.
 - 2. Consider possible debarment of the prime contractor from bidding.
 - 3. Withhold payments on the contract.
 - 4. Any other remedy available to the City at law or in equity.

II. Definitions

- A. "SMALL BUSINESS ENTERPRISE" (SBE) means a small business concern that is 51% owned, operated and controlled by one or more individuals who are a minority, woman and/or a small business owner (who is at an "economic disadvantage"). The individuals must have day-to-day operational and managerial control and interest in capital, financial risks and earnings commensurate with the percentage of their ownership.
- B. "OWNED, OPERATED AND CONTROLLED" means a business which is one of the following:
 - 1. A sole proprietorship legitimately owned and operated and controlled by a minority, women or an individual at a disadvantage as defined in Chapter 370.

2. A partnership or joint venture legitimately owned, operated and controlled by individuals who are minorities, women or individuals who are at a disadvantage and who own at least 51% of the beneficial ownership interests in the enterprise and who hold at least 51% of the voting interests of the enterprise eligible as defined in Chapter 370.
3. A corporation legitimately owned, operated and controlled by one or more individuals who are a minority, woman or individual at a disadvantage and who own at least 51% of the outstanding shares and who hold at least 51% of the voting interests of the corporation eligible as defined in Chapter 370.

III. SBE Utilization Requirements

- A. Each prime contractor shall utilize SBE to the minimum percent listed in the Acknowledgements section/page and or Official Notice Document for this contract. Note that the prime contractors shall be required to attain SBE participation on their base bid excluding specified allowances, alternatives, and change orders. SBE commitments relative to contract award shall be based upon the approved SBE Compliance Plan (Form A).
- B. The determination of SBE utilization shall be based on the following criteria:
 1. The firms identified as SBE by the prime contractor on the SBE Compliance Plan (Form A) must be certified by the Office of Small Business Development prior to bid opening.
 2. The prime contractor shall be credited for the entire expenditure to SBE firms only if all of the identified scope of work is performed directly by the certified SBE firm.
 3. The prime contractor shall be credited for the entire expenditure to SBE manufacturer only if the manufacturer produces goods from raw materials or substantially alters them for resale. Only 20% of the SBE goals may be expended for SBE suppliers that do not manufacture products they supply.
 4. The prime contractor shall count toward the SBE requirement only those payments to SBEs who perform a commercially-useful function in the actual performance of the contract. While that generally means an SBE should be engaged in direct contract work, a "commercially-useful function" may also include management of a third tier subcontractor. For example, while an SBE trucking subcontractor is always expected to perform some direct work on the project, in some cases it may become necessary to subcontract work out to one or more third tier subcontractors. If a third tier subcontractor is also an SBE, the full amount of the work performed by that third tier SBE can be counted toward SBE participation. However, if the third party subcontractor is not an SBE, the prime contractor may only count 20% of the amount being subcontracted to the third tier non-SBE subcontractor. SBEs are required to notify the Department of Public Works if they subcontract out work so that the Department can determine how much, if any, of the subcontracted work can be counted toward the SBE requirement. The Commissioner of Public Works will make the final determination and evaluation of whether the SBE is performing a commercially-useful function.
- C. The contractor, by signing and submitting a bid, certifies that the contractor understands the provisions of Chapter 370 and knows of and intends to comply with them. The completed SBE Compliance Plan (Form A) must be submitted by the apparent low bid contractor within three (3) working days after the identification of the "low bidder."
 1. Information on Form A shall include, but not be limited to:

- a. The names, addresses, telephone numbers, SBE Certification designation and contact person names for the certified SBE contractors that will participate on the project as subcontractors or suppliers;
 - b. A description of the scope of work to be performed by the SBE on this project; and
 - c. The SBE contractor dollar value(s) and corresponding percentages that the dollar values represent of the total contract amount.
2. Listing an SBE on the Compliance Plan (Form A) shall constitute a representation that the contractor has communicated directly with the SBEs listed. If awarded the contract, the bidder will enter into a subcontract with the firm for the portion of the work listed.
 3. SBE participation is an element of bid responsiveness. Failure to meet the specified SBE requirements will render the bid unresponsive. The contract may then be awarded to the next apparent low bidder. Under certain circumstances, failure to meet specified SBE requirements after submission of an apparent low bid may result in surrender of the bidder's bid bond.
 4. Only SBEs that have been certified by the Office of Small Business Development may be listed on the SBE Compliance Plan (Form A) and counted towards the percentage requirements on this project. A listing of the currently City certified SBE firms is maintained at:

Office of Small Business Development
200 East Wells Street
City Hall, Room 606
Milwaukee, Wisconsin 53202
Phone: (414) 286-5553
FAX: (414) 286-8752
www.milwaukee.gov/osbd

- D. After execution of the contract, if for any reason an SBE cannot perform, the prime contractor shall contact the Commissioner of Public Works for approval to substitute another certified SBE firm. The prime contractor must submit a written request for substitution which specifies the reasons for the request. Approval must be obtained prior to making substitutions. Any difference in the cost occasioned by such substitution shall be borne by the prime contractor. If the prime contractor cannot find another certified firm to do the work at a comparable price, a non-SBE firm may be substituted with the approval of the Commissioner of Public Works.
- E. If the prime contractor has a problem in meeting the SBE requirements or if any other problems relative to SBE(s) arise during the completion of this project, the prime contractor shall immediately contact the Commissioner of Public Works.
- F. Certification from programs other than the Office of Small Business Development is neither accepted by the City of Milwaukee nor do they have any bearing whatsoever on the eligibility criteria established by the City of Milwaukee.
- G. Right to Appeal.

All contracts awarded under ss.7-14-2 and 7-22 of the City Charter shall be awarded by the Commissioner of Public Works to the lowest responsible bidder determined in accordance with applicable City ordinances for participation of the Office of Small Business Development. Following the opening of any bid involving a determination under applicable City ordinances for participation of SBE, the Commissioner of Public Works shall make a written recommendation as to the lowest responsible bidder and notify all

bidders by publication in an official City newspaper as to the content of the written recommendation. Any bidder who objects to the recommendation on grounds of determinations made under applicable City ordinances for participation of SBE may appeal the recommendation on such grounds by filing a written appeal with the Commissioner of Public Works within five (5) working days of the date of publication. The appeal shall state the specific objection to the recommendation, include supporting documentation and specify an alternative recommendation. The Commissioner of Public Works shall schedule a hearing before an appeals committee consisting of the Chair of the Economic Development Committee or the Chair's designee, a member of the Economic Development Committee selected by the Chair and the Director of the Office of Small Business Development to be held within five (5) days of receipt of the appeal. The Committee shall have authority by majority vote to affirm or set aside the recommendation of the Commissioner of Public Works and its decision in this regard shall be final. In the event a timely appeal, meeting the requirements above is not filed, or the Committee affirms the Commissioner's recommendation following a timely appeal, meeting the requirements above, the Commissioner shall make an award in accordance with the recommendation.

H. **Percentage of Required SBE Participation**

Construction 25%

The Purchase of Goods and Services 25%

The Purchase of Professional Services 18%

**FORM A – COMPLIANCE PLAN – CITY OF MILWAUKEE – DEPARTMENT OF PUBLIC WORKS
SBE PARTICIPATION FOR SUBCONTRACTORS AND/OR MATERIAL SUPPLIERS**

PRIME CONTRACTORS NAME: _____ OFFICIAL NOTICE NUMBER: 24-1-2014

DATE: _____ TOTAL BID AMOUNT: _____ TOTAL SBE AMOUNT: _____

This Form A must be completed in its entirety and is a **required** submission in conjunction with a Bid or Request for Proposal. Submit either with the bid or within **3** days of being notified as the apparent low bidder. List all proposed SBE subcontractor(s) and/or material supplier(s) for this project. **NOTE:** To receive full credit, SBE's must perform commercially useful work at the job site. ONLY up to twenty percent (20%) credit may be given under certain circumstances to SBE suppliers or other SBE contractors who assist in management of the project. I/We propose to utilize the following SBE subcontractor(s) and/or material supplier(s):

Fill in BID REQUIREMENTS: _____% **SBE**

SBE FIRM(S) NAME ADDRESS/CONTACT PERSON AND PHONE NUMBER	LIST DESIGNATION: WETHER SUPPLIER OR CONSTRUCTION LABOR	PERCENT OF BID	AMOUNT	EXPLAIN WORK TO BE PERFORMED / MATERIAL SUPPLIED	AUTHORIZED SBE(S) OWNER/ REPRESENTATIVE SIGNATURE OF ACKNOWLEDGEMENT
1.					
2.					
3.					
4.					
5.					

I certify that the information included on this Form A is true and complete to the best of my knowledge. I further understand and agree that this Form A is a condition of my Bid/RFP responsiveness. Failure to submit this form and/or meet the specified SBE requirements may render the Bid/RFP nonresponsive.

CONTRACTOR: _____ DATE: ____/____/____
(SIGNATURE & TITLE REQUIRED)

REVIEWED BY OSBD ANALYST: _____ DATE: ____/____/____

DEPARTMENT OF PUBLIC WORKS: _____ DATE: ____/____/____

**DEPARTMENT OF PUBLIC WORKS
SMALL BUSINESS ENTERPRISE PROGRAM**

Form D – SBE MONTHLY REPORT

(1) Report for the Month of _____ 20____ (Final: yes ___ no ___)

(2) Prime Contractor/Firm _____

(3) Full Address & Phone Number: _____

(4) Description of work/service performed and/or material supplied _____

(5) DPW Contract No. C (6) Official Notice No./Project Number _____

(7) Start Date: _____ (8) Prime Contractor's Total \$: _____

(9) Completion Date: _____ (10) Prime Contractor to date \$: _____

(11) Small Business % _____ and Small Business \$ amount _____

List all SBE subcontractor firm(s) utilized in connection with the above contract, either as service performed and/or supplier for the month. This form shall be signed and returned. **If this represents the final report, be sure to attach SBE Payment Certification Form (Form E) for each sub listed.**

NAME OF SBE FIRM(s)	WORK/SERVICE PERFORMED or MATERIAL SUPPLIED	AMOUNT PAID FOR THE MONTH	TOTAL \$ PAID TO DATE
TOTAL PAID TO SBE(s)			

I/we hereby certify that I/we have read the above and approved this information to be precise and confirmed.

(12) Report Prepared By: _____
(Name) (Title) (Phone Number)

(13) Authorized Signature : _____
(Name) (Title)

(14) Date _____

Note: This form should be submitted no later than the **20th of every month** to the **DEPARTMENT of PUBLIC WORKS CONTRACT ADMINISTRATION, Room 506, Frank P. Zeidler Municipal Building, 841 North Broadway, Milwaukee, WI 53202.**

DIRECTIONS FOR SBE MONTHLY REPORT (FORM D)

1. List the month that the report is being submitted. **Note: If this is the final report, check yes and submit Form E Subcontractor Payment Certification Form.**
2. Prime contractor's or firm's registered company name.
3. List full registered business address to include city/state, zip code and telephone number.
4. Brief description service performed and/or material supplied on this contract.
5. List the DPW Contract Number, as represented on the contract document.
6. List the project number as represented on the front page of the contract.
7. List the start date of the project.
8. List the total dollars awarded to the prime contractor.
9. List the completion date of the project.
10. Total dollars paid to Prime contractor to date.
11. List SBE percentage **REQUIRED** on this project and each SBE dollar amount.
12. List the name, title and phone number of the individual who prepared the report.
13. Provide the authorized signature and title of the individual who approves the report.
14. List the date that the report is completed.

THIS REPORT IS DUE THE 20TH OF EVERY MONTH FOR THE PREVIOUS MONTH'S ACTIVITY. FAILURE TO RETURN THIS FORM BY THE SPECIFIED TIME MAY CAUSE A DELAY IN PAYMENTS.

City Of Milwaukee
Department Of Public Works

Small Business Enterprise Program (SBE)
Subcontractor Payment Certification

(This form must be completed by the SBE subcontractor and attached to the Prime Contractor's Final SBE Form D Report)

-PRIME CONTRACTOR & SUBCONTRACTOR EXECUTES-

Section A – SBE Company Officer Completes For Payment That Has Been Received.

SBE Subcontractor Name: _____

Official Notice No. _____ Project No. _____ DPW Contract No. **C** _____

I hereby certify that I have received \$ _____ for subcontract work on the above project.

Dated: _____ Signature of **SBE** Subcontractor: _____

Printed Name & Title of **Certified SBE** Subcontractor:

Acknowledged by **Prime** Contractor Signature: _____

Printed name & Title of **Prime** Contractor: _____

-PRIME CONTRACTOR & SUBCONTRACTOR EXECUTE-

Section B - Prime Contractor and SBE Company Officers Complete if Full Payment Has Not Been Made to the **SBE Subcontractor and a balance remains to be paid.**

Prime Contractor: _____

SBE Subcontractor: _____

Official Notice No. _____ Project No. _____ DPW Contract No. **C** _____

I hereby certify that I will pay \$ _____ to _____
(Name of SBE Firm)

for subcontract work on the above project.

Dated: _____ Signature of **Prime** Contractor: _____

Printed Name & Title of **Prime** Contractor: _____

Acknowledged by **SBE** Subcontractor Signature: _____

Printed Name & Title of **SBE** Subcontractor: _____

SUMMARY OF HOURS WORKED
(TARGET RESIDENCY VS TOTAL HOURS)

Name	No. of Hours of Special Impact Area Workers	% of Total Hours	No. of Hours of All Other Workers	% of Total Hours	Total of <u>All</u> Worker Hours
Prime Contractor:					
Subcontractors:					
<u>GRAND TOTAL</u>					

To ensure DPW is in compliance with any federal procurement requirements regarding suspension and debarment, CONTRACTOR must sign this “Suspension/Debarment Certification Form”.

Please complete and sign below and return this form to:

Department of Public Works Contract Office
Room **506**, Municipal Building
841 North Broadway
Milwaukee, WI 53202

Submittal required prior to start of work on this project.

CERTIFICATION REGARDING SUSPENSION AND DEBARMENT

The CONTRACTOR certifies that all potential sub-recipients, contractors, and any and all of their principals are not debarred, suspended or proposed for debarment for federal assistance (e.g., General Services Administration’s List of Parties Excluded from Federal Procurement and Non-Procurement Programs), and that throughout the term of its federally-funded contracts with the City of Milwaukee, the CONTRACTOR will not enter into any transactions with any sub-recipients, contractors, or any of their principals who are debarred, suspended or proposed for debarment.

Signature/Authorized Official

Date

Printed Name

C

Contract Number

Title

Name of Company

**AFFIDAVIT OF COMPLIANCE
WITH WISCONSIN STATUTE 103.503
SUBSTANCE ABUSE PREVENTION REQUIREMENTS**

STATE OF _____) PROJECT NAME _____
) ss.
 _____ COUNTY) DPW Contract No. _____

I, _____, being first duly sworn state that:
 (Print name)

1. I am the _____ of _____, a _____.
 (Title) (Company Name) (State)
 Corporation, partnership, or individual of _____,
 (City, Village, Township) (State)

and make this affidavit pursuant to the provisions of Wis. Stat. § 103.503.

2. I have entered into City of Milwaukee, Department of Public Works' Contract No. _____, to which the provisions of Wis. Stat. 66.0903 apply.
3. I have in place a substance abuse prevention program that meets the requirements of Wis. Stat. 103.503, and I will fully comply in all respects with the requirements of Wis. Stat. 103.503 during the performance of this Contract.
4. I will include in each subcontract covering work performed under this Contract to which the provisions of Wis. Stat. 66.0903 apply, a provision similar to that in Paragraph 3 above, together with a clause requiring such insertion in further subcontracts that may in turn be made.

<u>Title</u>	<u>Officer Name</u>	<u>Address</u>
<u>President</u>	_____	_____
<u>Vice President</u>	_____	_____
<u>Secretary/Treasurer</u>	_____	_____

Subscribed and sworn before me this _____
 day of _____, 20_____.

 Notary Signature

 Contractor Signature

Notary Public, State of _____

My Commission Expires: _____

1121-2004-1516/96897

PROPOSED RESIDENT / APPRENTICE UTILIZATION FORM

This is a preliminary statement of proposed workforce needs where known.

Official Notice # _____ Project # _____ Contract # _____

Contractor _____

JOB CATEGORY	PROPOSED # OF HOURS ON THIS PROJECT	PROPOSED # OF HOURS FOR SPECIAL IMPACT AREA RESIDENTS	PROPOSED # OF HOURS FOR ALL OTHER WORKERS
TRUCK DRIVERS:		(%)	(%)
OPERATING ENGINEERS:			
JOURNEYMEN		(%)	(%)
APPRENTICES		(%)	(%)
SKILLED TRADES: (Specify)			
JOURNEYMEN		(%)	(%)
APPRENTICES		(%)	(%)
TRAINEES		(%)	(%)
LABORERS: (Specify type)			
		(%)	(%)
		(%)	(%)
		(%)	(%)
		(%)	(%)
		(%)	(%)

NAME and ADDRESS of Target Area Residents: _____

NAME and ADDRESS of Apprentices: _____

City of Milwaukee
Department of Public Works
Apprenticeship Provisions

I. General:

- A. In accordance with Section 309-38 of the Milwaukee Code of Ordinances, apprenticeship requirements will be specified on all Department of Public Works construction contracts, where appropriate, which are in excess of \$100,000. The ordinance requires that a contractor employ apprentices in the performance of the contract and of all subcontracts entered into by the contractor in accordance with the maximum ratio of apprentices to journeymen as established by the Wisconsin Department of Industry, Labor, and Human Relations. Fair consideration must be given to minorities and women. For this contract, bidders are required to utilize apprentice(s) from one of the following trade(s):

Construction Craft Laborer

- B. The contractor shall prepare and submit an accurate and timely Apprenticeship Utilization Form (Form F) and other reports to the Department of Public Works. The Apprenticeship Utilization Form shall be returned with the executed contract and shall specifically identify the apprentice(s) that will work on the project. The Contractor Time Report shall be submitted within ten (10) days following completion of work or every three (3) months, whichever comes first. Failure to submit the required forms and reports to the Department of Public Works may result in disqualification of future bids, delay of payments, or other appropriate sanctions. Final contract payments will not be made until all apprenticeship related reports are on file with the Department of Public Works.
- C. During the performance of this contract the Department of Public Works reserves the right to conduct compliance reviews. If the contractor is not in compliance with the specifications, the Commissioner of Public Works will notify the contractor in writing of the corrective action that will bring the contractor into compliance. If the contractor fails or refuses to take corrective action as directed, or if the contractor, prime or sub, submits any documents which contain any false, misleading, or fraudulent information, or if the contractor or subcontractor fail to comply with this ordinance, the Department of Public Works may take one or more of the actions listed below:
1. Withhold payments on the contract.
 2. Terminate, suspend, or cancel the contract, in whole or in part.
 3. After due process, consider debarment of the contractor from bidding for a two-year period.
 4. Any other remedy available to the City at law or in equity.

II. Definitions:

- A. Apprentice - a person, 16 years of age or over, who shall enter into a written contract of service where he or she is to receive from or through his or her employer in consideration for his or her services, in whole or in part, instruction in any trade, craft, or business. Apprenticeship agreements shall be governed by Ch. 106, Wis. Stats.

- B. Construction - Means either new construction work or repair work on any roads, bridges, sewers, streets, alleys, buildings, or any other public works.

III. Apprenticeship Utilization Requirements:

- A. The contractor shall utilize apprentices in a minimum amount equal to that stated in paragraph I-A above.
- B. The contractor, by signing and submitting a bid, certifies that the contractor understands the provisions of Chapter 309 and knows of and intends to comply with them.
- C. The contractor shall maintain personnel records listing the names and addresses of its employees utilized for this contract in meeting apprenticeship requirements. These records shall be maintained for three (3) years after the contractor has received final payment under the contract and shall be made available to the Commissioner of Public Works upon reasonable notice.
- D. Compliance with these apprenticeship requirements is an element of bid responsiveness. Failure to meet the specified apprenticeship requirements will render the bid unresponsive, and the Commissioner of Public Works may then recommend award to the next apparent low bidder.
- E. If the prime contractor has problems in meeting the apprenticeship requirements or if any other problems relative to apprenticeship participation arise during the completion of this project, the prime contractor shall immediately contact the Commissioner of Public Works.

NOTICE TO CONTRACTORS

PLEASE NOTE: Effective December 28, 2005, the City of Milwaukee adopted an ordinance relative to the disclosure of participation in or profits derived from slavery by contractors. All contractors awarded a contract on behalf of the City of Milwaukee, whether or not subject to a competitive bid, shall complete an affidavit prior to entering into the contract verifying that the contractor has searched any and all records of the company or any predecessor company regarding records of investments or profits from slavery or slaveholder insurance policies during the slavery era. The names of any enslaved persons or slaveholders described in those records must be disclosed in the affidavit.

The City shall make the information contained in the affidavit available to the public. Any contract between the City and a contractor which fails to provide the requisite affidavit or which includes material false information on such affidavit shall be rendered null and void. To reference Milwaukee Code of Ordinances 310-14, please see:

<http://cctv25.milwaukee.gov/code/volume3/ch310.pdf>

CITY OF MILWAUKEE - DEPARTMENT OF PUBLIC WORKS
AFFIDAVIT OF COMPLIANCE
DISCLOSURE OF PARTICIPATION IN OR PROFITS DERIVED
FROM SLAVERY BY CONTRACTORS

COMPANY NAME: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

This affidavit of compliance will be the contractor's sworn statement that publicly discloses any slavery policies sold by any companies, or profits from slavery by industries or their predecessors who are doing business with the City of Milwaukee as defined in the Milwaukee Code of Ordinances 310-14.

Please check one:

_____ This business **was not** in existence prior to 1865.

_____ This business **was** in existence prior to 1865. I have searched any and all records for records of investments or profits from slavery and have found no such records.

_____ This business **was** in existence prior to 1865. I have searched any and all records for records of investments or profits from slavery and am disclosing the findings on the attached pages.

I hereby declare that all statements are true, accurate and complete as of the date furnished to the City of Milwaukee.

AUTHORIZED SIGNATURE: _____

PRINTED NAME: _____

Subscribed to before me this _____ day of _____, 20__

NOTARY PUBLIC _____ County, _____ State _____

SIGNATURE: _____

PRINT NAME: _____

(Seal)

My commission expires: _____

NOTICE TO CONTRACTORS

Effective immediately, the City of Milwaukee has adopted an ordinance relative to Prompt Payment as follows:

2.9.16.b) It is the City's policy to pay all invoices within 30 days. If the City does not make payment within 45 days after receipt of properly completed supporting payment and other required contract documentation, the City shall pay simple interest beginning with the 31st calendar day at the rate of one percent per month (unless the amount due is subject to a good-faith dispute and, before the 45th day of receipt, notice of the dispute is sent to the contractor by first-class mail, personally delivered, or sent in accordance with the notice provisions in the contract). If there are subcontractors, consistent with s.66.0135(3), Wis. Stats., the prime contractor must pay the subcontractors for satisfactory work within seven days of the contractor's receipt of payment from the City of Milwaukee, or seven days from receipt of a properly submitted and approved invoice from the subcontractor, whichever is later. If the contractor fails to make timely payment to a subcontractor, the contractor shall pay interest at the rate of 12 percent per year, compounded monthly, beginning with the 8th calendar day. Reference Common Council File No. 101137 adopted January 2011.

5/11/2011

PREVAILING WAGE RATE DETERMINATION

Issued by the State of Wisconsin
Department of Workforce Development
Pursuant to s. 66.0903, Wis. Stats.
Issued On: 01/06/2014
Amended On: 01/13/2014

DETERMINATION NUMBER: 201400011

EXPIRATION DATE: Prime Contracts MUST Be Awarded or Negotiated On Or Before 12/31/2014. If NOT, You MUST Reapply.

PROJECT NAME: ALL PUBLIC WORKS PROJECTS UNDER SEC 66.0903, STATS - CITY OF MILWAUKEE

PROJECT LOCATION: MILWAUKEE CITY, MILWAUKEE COUNTY, WI

CONTRACTING AGENCY: CITY OF MILWAUKEE-DEPT OF PUBLIC WORKS

CLASSIFICATION:	Contractors are responsible for correctly classifying their workers. Either call the Department of Workforce Development (DWD) with trade or classification questions or consult DWD's Dictionary of Occupational Classifications & Work Descriptions on the DWD website at: dwd.wisconsin.gov/er/prevailing_wage_rate/Dictionary/dictionary_main.htm .
OVERTIME:	<p>Time and one-half must be paid for all hours worked:</p> <ul style="list-style-type: none">- over 10 hours per day on prevailing wage projects- over 40 hours per calendar week- Saturday and Sunday- on all of the following 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. <p>Apply the time and one-half overtime calculation to whichever is higher between the Hourly Basic Rate listed on this project determination or the employee's regular hourly rate of pay. Add any applicable Premium or DOT Premium to the Hourly Basic Rate before calculating overtime.</p> <p>A DOT Premium (discussed below) may supersede this time and one-half requirement.</p>
FUTURE INCREASE:	When a specific trade or occupation requires a future increase, you MUST add the full hourly increase to the "TOTAL" on the effective date(s) indicated for the specific trade or occupation.
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.
DOT PREMIUM:	This premium only applies to highway and bridge projects owned by the Wisconsin Department of Transportation and to the project type heading "Airport Pavement or State Highway Construction." DO NOT apply the premium calculation under any other project type on this determination.
APPRENTICES:	Pay apprentices a percentage of the applicable journey person's hourly basic rate of pay and hourly fringe benefit contributions specified in this determination. Obtain the appropriate percentage from each apprentice's contract or indenture.
SUBJOURNEY:	Subjourney wage rates may be available for some of the trades or occupations indicated below with the exception of laborers, truck drivers and heavy equipment operators. Any employer interested in using a subjourney classification on this project MUST complete Form ERD-10880 and request the applicable wage rate from the Department of Workforce Development PRIOR to using the subjourney worker on this project.

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 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) 266-6861.

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

s. 66.0903 (1) (f) & s. 103.49 (1) (c) "PREVAILING HOURS OF LABOR" for any trade or occupation in any area means 10 hours per day and 40 hours per week and may not include any hours worked on a Saturday or Sunday or on any of the following holidays:

1. January 1.
2. The last Monday in May.
3. July 4.
4. The first Monday in September.
5. The 4th Thursday in November.
6. December 25.
7. The day before if January 1, July 4 or December 25 falls on a Saturday.
8. The day following if January 1, July 4 or December 25 falls on a Sunday.

s. 66.0903 (10) RECORDS; INSPECTION; ENFORCEMENT.

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

s. 66.0903 (11) LIABILITY AND PENALTIES.

(a) 1. Any contractor, subcontractor, or contractor's or subcontractor's agent 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 is liable to any affected employee in the amount of his or her unpaid wages or his or her unpaid overtime compensation and in an additional amount as liquidated damages as provided under subd. 2., 3., whichever is applicable.

2. If the department determines upon inspection under sub. (10) (b) or (c) that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the department shall order the contractor to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages within a period specified by the department in the order.

3. In addition to or in lieu of recovering the liability specified in subd. 1. as provided in subd. 2., any employee for and in behalf of that employee and other employees similarly situated may commence an action to recover that liability in any court of competent jurisdiction. If the court finds that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the court shall order the contractor, subcontractor, or agent to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages.

5. No employee may be a party plaintiff to an action under subd. 3. unless the employee consents in writing to become 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.

BUILDING OR HEAVY CONSTRUCTION

Includes sheltered enclosures with walk-in access for the purpose of housing persons, employees, machinery, equipment or supplies and non-sheltered work such as canals, dams, dikes, reservoirs, storage tanks, etc. A sheltered enclosure need not be "habitable" in order to be considered a building. The installation of machinery and/or equipment, both above and below grade level, does not change a project's character as a building. On-site grading, utility work and landscaping are included within this definition. Residential buildings of four (4) stories or less, agricultural buildings, parking lots and driveways are NOT included within this definition.

SKILLED TRADES

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
101	Acoustic Ceiling Tile Installer Future Increase(s): Add \$1.25/hr on 6/2/2014.	33.68	19.81	53.49
102	Boilermaker	31.91	26.47	58.38
103	Bricklayer, Blocklayer or Stonemason Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	35.37	18.00	53.37
104	Cabinet Installer	30.48	15.90	46.38
105	Carpenter Future Increase(s): Add \$1.25/hr on 6/2/2014. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.68	19.81	53.49
106	Carpet Layer or Soft Floor Coverer	32.93	19.71	52.64
107	Cement Finisher	32.07	17.53	49.60
108	Drywall Taper or Finisher	29.87	19.99	49.86
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.82	22.61	55.43
110	Elevator Constructor	43.21	26.06	69.27
111	Fence Erector	16.00	3.33	19.33
112	Fire Sprinkler Fitter	38.50	19.65	58.15
113	Glazier	34.19	18.25	52.44
114	Heat or Frost Insulator	33.68	24.31	57.99
115	Insulator (Batt or Blown)	15.00	9.50	24.50

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
116	Ironworker Future Increase(s): Add \$.80/hr on 6/1/2014. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	30.52	23.47	53.99
117	Lather	32.93	19.81	52.74
118	Line Constructor (Electrical)	38.25	17.63	55.88
119	Marble Finisher	26.89	19.18	46.07
120	Marble Mason	35.80	16.87	52.67
121	Metal Building Erector	22.05	8.08	30.13
122	Millwright	28.53	24.98	53.51
123	Overhead Door Installer	20.95	4.94	25.89
124	Painter	29.52	18.84	48.36
125	Pavement Marking Operator	30.00	0.00	30.00
126	Piledriver Premium Increase(s): Add \$.65/hr for Piledriver Loftsman; Add \$.75/hr for Sheet Piling Loftsman. DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	29.56	25.71	55.27
127	Pipeline Fuser or Welder (Gas or Utility)	31.82	19.74	51.56
129	Plasterer	31.56	18.18	49.74
130	Plumber	37.97	17.30	55.27
132	Refrigeration Mechanic	39.26	19.30	58.56
133	Roofer or Waterproofofer	29.40	17.05	46.45
134	Sheet Metal Worker	36.17	18.04	54.21
135	Steamfitter Future Increase(s): Add \$1.70/hr on 6/1/2014.	39.76	21.09	60.85
137	Teledata Technician or Installer Future Increase(s): Add \$.85/hr on 6/1/2014; Add \$.86/hr on 6/1/2015. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	24.89	17.15	42.04

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
138	Temperature Control Installer	17.39	4.18	21.57
139	Terrazzo Finisher	26.89	19.18	46.07
140	Terrazzo Mechanic	30.20	18.42	48.62
141	Tile Finisher	23.85	17.18	41.03
142	Tile Setter	29.45	16.30	45.75
143	Tuckpointer, Caulker or Cleaner	34.57	16.42	50.99
144	Underwater Diver (Except on Great Lakes)	34.48	15.90	50.38
146	Well Driller or Pump Installer	25.32	15.65	40.97
147	Siding Installer	25.92	18.04	43.96
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	29.16	14.34	43.50
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	14.86	45.46
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	28.74	17.27	46.01

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
201	Single Axle or Two Axle	33.82	17.60	51.42
203	Three or More Axle	18.50	18.42	36.92
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.60/hr on 5/30/2016.	33.02	18.10	51.12
205	Pavement Marking Vehicle	18.50	18.42	36.92
207	Truck Mechanic	18.50	18.42	36.92

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
301	General Laborer Premium Increase(s): Add \$.11 for mortar mixer, fork lift operator, air and electric equipment and power buggy operators; Add \$.22 for jackhammer operator, certified welder, gunite machineman.	28.31	16.62	44.93
302	Asbestos Abatement Worker	19.00	0.00	19.00
303	Landscaper	14.28	8.24	22.52
310	Gas or Utility Pipeline Laborer (Other Than Sewer and Water)	19.78	17.04	36.82
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased) Premium Increase(s): DOT PREMIUMS: Pay two times the hourly basic rate on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	17.71	16.01	33.72
314	Railroad Track Laborer	13.50	4.06	17.56
315	Final Construction Clean-Up Worker	28.31	16.62	44.93

**HEAVY EQUIPMENT OPERATORS
SITE PREPARATION, UTILITY OR LANDSCAPING WORK ONLY**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
501	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Milling Machine; Boring Machine (Directional, Horizontal or Vertical); Backhoe (Track Type) Having a Mfgr's Rated Capacity of 130,000 Lbs. or Over; Backhoe (Track Type) Having a Mfgr's Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bulldozer or Endloader (Over 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); Crane, Shovel, Dragline, Clamshells; Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Grader or Motor Patrol; Master Mechanic; Mechanic or Welder; Robotic Tool Carrier (With or Without Attachments); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Tractor (Scraper, Dozer, Pusher, Loader); Trencher (Wheel Type or Chain Type Having Over 8 Inch Bucket). Future Increase(s): Add \$1.00/hour 6/2/2014; Add \$1.50/hour 6/1/2015; Add \$1.60/hour 5/30/2016.	34.07	18.10	52.17

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
502	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Environmental Burner; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Jeep Digger; Screed (Milling Machine); Skid Rig; Straddle Carrier or Travel Lift; Stump Chipper; Trencher (Wheel Type or Chain Type Having 8 Inch Bucket & Under). Future Increase(s): Add \$1.00/hour 6/2/2014; Add \$1.50/hour 6/1/2015; Add \$1.60/hour 5/30/2016.	34.07	18.10	52.17
503	Air Compressor (&/or 400 CFM or Over); 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; Forklift; Generator (&/or 150 KW or Over); Greaser; High Pressure Utility Locating Machine (Daylighting Machine); Mulcher; Oiler; Post Hole Digger or Driver; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	30.82	18.96	49.78
504	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	18.98	57.78
505	Work Performed on the Great Lakes Including Crane or Backhoe Operator; Assistant Hydraulic Dredge Engineer; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder; 70 Ton & Over Tug Operator.	38.80	18.98	57.78
506	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.	34.50	18.98	53.48
507	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.	34.50	18.98	53.48

**HEAVY EQUIPMENT OPERATORS
EXCLUDING SITE PREPARATION, UTILITY, PAVING LANDSCAPING WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
508	Boring Machine (Directional); 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. Future Increase(s): Add \$1.25/hr on 6/1/2014; Add \$1.55/hr on 6/1/2015. Premium Increase(s): Crane Operators with CCO certification add \$.50/hr. Cranes with boom length over 200 ft. not exceeding 300 ft. OR lifting capacity over 200 ton not exceeding 300 ton add \$.50/hr. Over 300 ton OR 300 ft. add \$.01/hr. per foot OR ton whichever is greater.	40.36	19.15	59.51
509	Backhoe (Track Type) Having a Mfgr's Rated Capacity of 130,000 Lbs. or Over; Boring Machine (Horizontal or Vertical); 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; Pile Driver; Versi Lifts, Tri-Lifts & Gantrys (20,000 Lbs. & Over). Future Increase(s): Add \$1.25/hr on 6/1/2014; Add \$1.55/hr on 6/1/2015. Premium Increase(s): Crane Operators with CCO certification add \$.50/hr.	39.86	19.15	59.01
510	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); 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 Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Dredge (NOT Performing Work on the Great Lakes); Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Hydro-Blaster (10,000 PSI or Over); Milling Machine; Skid Rig; Traveling Crane (Bridge Type). Future Increase(s): Add \$1.25/hr on 6/1/2014; Add \$1.55/hr on 6/1/2015. Premium Increase(s): Crane Operators with CCO certification add \$.50/hr.	39.36	19.15	58.51

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
511	Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Environmental Burner; Gantrys (Under 20,000 Lbs.); Grader or Motor Patrol; High Pressure Utility Locating Machine (Daylighting Machine); Manhoist; Material or Stack Hoist; Mechanic or Welder; 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 yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tining or Curing Machine; 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 \$1.25/hr on 6/1/2014; Add \$1.55/hr on 6/1/2015.	38.67	19.15	57.82
512	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, 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); Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Grout Pump; Hoist (Tugger, Automatic); Industrial Locomotives; Jeep Digger; Lift Slab Machine; Mulcher; Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames. Future Increase(s): Add \$1.25/hr on 6/1/2014; Add \$1.55/hr on 6/1/2015.	31.64	19.15	50.79
513	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Boatmen (NOT Performing Work on the Great Lakes); Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Elevator; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Forklift; Generator (&/or 150 KW or Over); Greaser; Heaters (Mechanical); Loading Machine (Conveyor); Oiler; Post Hole Digger or Driver; Prestress Machine; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Robotic Tool Carrier (With or Without Attachments); Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.25/hr on 6/1/2014; Add \$1.55/hr on 6/1/2015.	31.64	19.15	50.79
514	Gas or Utility Pipeline, Except Sewer & Water (Primary Equipment).	36.34	21.14	57.48
515	Gas or Utility Pipeline, Except Sewer & Water (Secondary Equipment). Future Increase(s): Add \$1.60/hr on 06/01/2014; Add \$1.65/hr on 06/01/2015	33.26	18.55	51.81
516	Fiber Optic Cable Equipment Future Increase(s): Add \$1.75/hr on 02/01/2014.	27.89	17.20	45.09

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

SKILLED TRADES

CODE	TRADE OR OCCUPATION	Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		
		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	35.10	18.40	53.50
105	Carpenter Future Increase(s): Add \$1.25/hr on 6/2/2014. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.68	19.81	53.49
107	Cement Finisher Future Increase(s): Add \$1.87 on 6/1/14; Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	33.51	16.13	49.64
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.82	22.61	55.43
111	Fence Erector	16.00	3.33	19.33
116	Ironworker	31.25	19.46	50.71
118	Line Constructor (Electrical)	38.25	17.63	55.88
125	Pavement Marking Operator	16.00	7.35	23.35
126	Piledriver	30.98	15.90	46.88
130	Plumber	33.75	14.07	47.82
135	Steamfitter	37.76	19.99	57.75
137	Teledata Technician or Installer	24.75	16.08	40.83

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
143	Tuckpointer, Caulker or Cleaner	34.57	16.42	50.99
144	Underwater Diver (Except on Great Lakes)	38.80	18.98	57.78
146	Well Driller or Pump Installer	25.32	15.65	40.97
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	29.16	14.34	43.50
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	14.86	45.46
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.04	11.74	32.78

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
201	Single Axle or Two Axle	30.00	15.00	45.00
203	Three or More Axle	16.00	7.35	23.35
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	32.89	18.96	51.85
205	Pavement Marking Vehicle	16.00	7.35	23.35
207	Truck Mechanic	16.00	7.35	23.35

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
301	General Laborer Premium Increase(s): Add \$1.92 for bottomman; Add \$2.03 for concrete manhole builder, bracer, jointman, or pipelayer; Add \$4.83 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.	28.84	17.12	45.96
303	Landscaper	25.28	11.46	36.74
304	Flagperson or Traffic Control Person	17.41	10.10	27.51
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.69	15.50	33.19
314	Railroad Track Laborer	13.50	4.06	17.56

**HEAVY EQUIPMENT OPERATORS
SEWER, WATER OR TUNNEL WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
521	<p>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.</p> <p>Future Increase(s): Add \$1.05/hr on 6/2/2014; Add \$1.55/hr on 6/1/2015.</p> <p>Premium Increase(s): Add \$.25/hr for operating tower crane.</p>	36.84	19.45	56.29
522	<p>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 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).</p> <p>Future Increase(s): Add \$1.05/hr on 6/2/2014; Add \$1.55/hr on 6/1/2015.</p> <p>Premium Increase(s): Add \$.25/hr for operating tower crane.</p>	36.06	19.45	55.51
523	<p>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).</p> <p>Future Increase(s): Add \$1.05/hr on 6/2/2014; Add \$1.55/hr on 6/1/2015.</p> <p>Premium Increase(s): Add \$.25/hr for operating tower crane.</p>	35.11	19.45	54.56

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
524	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 \$1.05/hr on 6/2/2014; Add \$1.55/hr on 6/1/2015. Premium Increase(s): Add \$.25/hr for operating tower crane.	35.11	19.45	54.56
525	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 (&/or 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.	30.19	20.94	51.13
526	Boiler (Temporary Heat); Forklift; Greaser; Oiler.	30.44	19.10	49.54
527	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	18.98	57.78
528	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.	38.80	18.98	57.78
529	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.	34.50	18.98	53.48
530	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.	34.50	18.98	53.48

AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION

Includes all airport projects (excluding buildings) and all projects awarded by the Wisconsin Department of Transportation (excluding buildings).

SKILLED TRADES

CODE	TRADE OR OCCUPATION	Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		
		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason	35.80	16.87	52.67
105	Carpenter Future Increase(s): Add \$1.25/hr on 6/2/2014. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.68	19.81	53.49
107	Cement Finisher Future Increase(s): Add \$1.87 on 6/1/14; Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	31.56	18.53	50.09
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.82	22.61	55.43
111	Fence Erector	16.00	3.33	19.33
116	Ironworker	30.51	23.23	53.74
118	Line Constructor (Electrical)	38.25	17.63	55.88
124	Painter	21.87	11.37	33.24
125	Pavement Marking Operator	30.00	0.00	30.00
126	Piledriver	27.67	25.64	53.31
133	Rofer or Waterproofer	29.40	15.55	44.95
137	Teledata Technician or Installer	24.75	16.08	40.83
143	Tuckpointer, Caulker or Cleaner	34.57	16.42	50.99
144	Underwater Diver (Except on Great Lakes)	34.48	15.90	50.38

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	34.43	15.24	49.67
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	15.07	45.67
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.58	40.36
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.04	11.74	32.78

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
201	Single Axle or Two Axle	34.22	19.90	54.12
203	Three or More Axle	25.24	15.20	40.44
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.75/hr on 6/1/14; Add \$1.25/hr on 6/1/15; Add \$1.30/hr on 6/1/16; Add \$1.25/hr on 6/1/17. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	29.27	20.40	49.67
205	Pavement Marking Vehicle	25.24	15.20	40.44
206	Shadow or Pilot Vehicle	34.22	19.90	54.12
207	Truck Mechanic	25.24	15.20	40.44

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
301	General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Increase(s): Add \$.15/hr for air tool operator, joint sawer and filler (pavement), vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.35/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$.50/hr for line and grade specialist; Add \$.65/hr for blaster and powderman; Add \$2.01/hr for topman; Add \$2.46/hr for bottomman; Add \$3.23/hr for pipelayer. / DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/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).	26.06	19.43	45.49
302	Asbestos Abatement Worker	19.00	0.00	19.00
303	Landscaper Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/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).	26.06	19.43	45.49
304	Flagperson or Traffic Control Person Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	22.55	19.43	41.98

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	<u>TOTAL</u>
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.69	15.50	33.19
314	Railroad Track Laborer	13.50	4.06	17.56

**HEAVY EQUIPMENT OPERATORS
AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	<u>TOTAL</u>
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
531	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; Traveling Crane (Bridge Type). Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	36.72	20.40	57.12
532	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 Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; 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; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	36.22	20.40	56.62

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
533	<p>Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Automatic Subgrader (Concrete); 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; Boatmen (NOT Performing Work on the Great Lakes); 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 Wlth 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); Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; 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); 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.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.</p>	35.72	20.40	56.12

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
534	<p>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 (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; Tining or Curing Machine.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.</p>	35.46	20.40	55.86
535	<p>Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; 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.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.</p>	35.17	20.40	55.57
536	Fiber Optic Cable Equipment.	26.69	16.65	43.34
537	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	18.98	57.78
538	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.	38.80	18.98	57.78

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
539	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.	34.50	18.98	53.48
540	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.	34.50	18.98	53.48

LOCAL STREET OR MISCELLANEOUS PAVING CONSTRUCTION
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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).

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason	35.80	16.87	52.67
105	Carpenter	32.93	19.99	52.92
107	Cement Finisher	30.09	17.53	47.62
109	Electrician	31.27	22.81	54.08
111	Fence Erector	16.00	3.33	19.33
116	Ironworker	30.51	22.97	53.48
118	Line Constructor (Electrical)	38.25	17.63	55.88
124	Painter	29.52	18.84	48.36
125	Pavement Marking Operator	30.00	0.00	30.00
126	Piledriver	29.06	25.46	54.52
133	Rofer or Waterproofer	29.40	15.55	44.95
137	Teledata Technician or Installer	24.75	16.08	40.83
143	Tuckpointer, Caulker or Cleaner	34.57	16.42	50.99
144	Underwater Diver (Except on Great Lakes)	38.80	18.98	57.78
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	34.43	15.24	49.67
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	14.86	45.46
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.04	11.74	32.78

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
201	Single Axle or Two Axle	30.00	15.00	45.00

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
203	Three or More Axle	18.00	0.00	18.00
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	32.89	18.96	51.85
205	Pavement Marking Vehicle	18.00	0.00	18.00
206	Shadow or Pilot Vehicle	30.00	15.00	45.00
207	Truck Mechanic	18.00	0.00	18.00

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
301	General Laborer	23.07	18.07	41.14
303	Landscaper Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/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).	29.04	14.63	43.67
304	Flagperson or Traffic Control Person	17.41	10.10	27.51
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.69	15.50	33.19
314	Railroad Track Laborer	13.50	4.06	17.56

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

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
541	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. Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	36.72	20.40	57.12
542	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. Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	36.22	20.40	56.62

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
543	<p>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; 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.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.</p>	35.72	20.40	56.12
544	<p>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.</p>	33.96	19.79	53.75
545	<p>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 (&/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.</p>	30.32	18.46	48.78
546	Fiber Optic Cable Equipment.	26.69	16.65	43.34

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
547	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	18.98	57.78
548	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.	38.80	18.98	57.78
549	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.	34.50	18.98	53.48
550	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.	34.50	18.98	53.48

**HEAVY EQUIPMENT OPERATORS
ASPHALT PAVEMENT OR OTHER WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
551	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 and/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic.	39.16	19.10	58.26
552	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. Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm .	36.22	20.40	56.62

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
553	<p>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.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p>	35.17	20.05	55.22
554	<p>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.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p>	35.17	20.05	55.22

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
555	<p>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.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014; Add \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.</p>	35.17	20.40	55.57
556	Fiber Optic Cable Equipment.	26.69	16.65	43.34

RESIDENTIAL OR AGRICULTURAL CONSTRUCTION

Includes single family houses or apartment buildings of no more than four (4) stories in height and all buildings, structures or facilities that are primarily used for agricultural or farming purposes, excluding commercial buildings. For classification purposes, the exterior height of a residential building, in terms of stories, is the primary consideration. All incidental items such as site work, driveways, parking lots, private sidewalks, private septic systems or sewer and water laterals connected to a public system and swimming pools are included within this definition. Residential buildings of five (5) stories and above are NOT included within this definition.

SKILLED TRADES

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		
		<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
101	Acoustic Ceiling Tile Installer Future Increase(s): Add \$1.25/hr on 6/2/2014.	33.68	19.81	53.49
102	Boilermaker	26.00	4.73	30.73
103	Bricklayer, Blocklayer or Stonemason	23.74	8.31	32.05
104	Cabinet Installer	25.00	0.00	25.00
105	Carpenter	21.00	15.34	36.34
106	Carpet Layer or Soft Floor Coverer	13.00	0.00	13.00
107	Cement Finisher	23.50	13.19	36.69
108	Drywall Taper or Finisher	25.00	5.00	30.00
109	Electrician	25.00	2.43	27.43
110	Elevator Constructor	43.21	26.06	69.27
111	Fence Erector	18.00	1.38	19.38
112	Fire Sprinkler Fitter	52.82	5.54	58.36
113	Glazier	37.13	12.29	49.42
114	Heat or Frost Insulator	30.00	0.00	30.00
115	Insulator (Batt or Blown)	17.00	0.50	17.50
116	Ironworker	31.25	19.46	50.71
117	Lather	21.00	15.34	36.34
119	Marble Finisher	26.89	19.18	46.07
120	Marble Mason	23.74	8.31	32.05
121	Metal Building Erector	17.00	3.82	20.82
123	Overhead Door Installer	19.00	0.13	19.13
124	Painter	29.52	2.52	32.04

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
125	Pavement Marking Operator	30.00	0.00	30.00
129	Plasterer	22.00	0.00	22.00
130	Plumber	37.97	19.84	57.81
132	Refrigeration Mechanic	19.75	8.83	28.58
133	Roofer or Waterproofer	29.40	16.35	45.75
134	Sheet Metal Worker	25.92	13.12	39.04
135	Steamfitter	31.72	16.10	47.82
137	Teledata Technician or Installer	24.75	10.87	35.62
138	Temperature Control Installer	18.00	0.50	18.50
139	Terrazzo Finisher	26.89	19.18	46.07
140	Terrazzo Mechanic	30.20	18.42	48.62
141	Tile Finisher	23.77	16.50	40.27
142	Tile Setter	30.00	0.00	30.00
143	Tuckpointer, Caulker or Cleaner	28.00	0.00	28.00
146	Well Driller or Pump Installer	27.60	0.00	27.60
147	Siding Installer	16.00	0.62	16.62

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
201	Single Axle or Two Axle	17.25	4.56	21.81
203	Three or More Axle	23.17	13.32	36.49
205	Pavement Marking Vehicle	23.17	13.32	36.49
207	Truck Mechanic	19.00	1.85	20.85

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
301	General Laborer	18.00	10.64	28.64
302	Asbestos Abatement Worker	17.00	3.86	20.86

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
303	Landscaper	14.20	1.37	15.57
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.69	15.50	33.19
315	Final Construction Clean-Up Worker	28.32	16.11	44.43

**HEAVY EQUIPMENT OPERATORS
RESIDENTIAL OR AGRICULTURAL CONSTRUCTION**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
557	Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type); 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 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; Crane, Shovel, Dragline, Clamshells; Forestry Equipment, TImbco, Tree Shear, Tub Grinder, Processor; Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); 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); Winches & A-Frames.	22.00	6.89	28.89
558	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Backfiller; Belting, Burlap, Texturing Machine; Boiler (Temporary Heat); Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Jeep Digger; Lift Slab Machine; Mulcher; Oiler; Post Hole Digger or Driver; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Rock, Stone Breaker; Roller (Rubber Tire, 5 Tons or Under); Screed (Milling Machine); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Stump Chipper; Telehandler; Vibratory Hammer or Extractor, Power Pack.	16.15	1.93	18.08

***** END OF RATES *****

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1. Inspection

Paragraph 3 of section 3.5.11 of the City of Milwaukee Water Main Installation Specifications, dated 1987, shall be revised to read:

The amount of per diem charge for inspection as referred to in section 2.5.11 shall be \$325.00.

The contractor shall allow four working days notice for material inspection and for scheduling installation inspection prior to the start of construction. Contact Steve Brengosz at 414-708-2808 or Mark Scheller at 414-286-2427 for materials inspection and the City of Milwaukee's Construction Section at 414-286-2497 for installation inspection.

2. Material Testing

All material tests required on this contract shall be performed at a testing laboratory designated by the City.

3. Winter Water Main Construction

No water main construction work shall be done between the days of December 15 and March 15 of the following year without permission from the City of Milwaukee Commissioner of Public Works or his representative.

4. Additional Bids

The water main construction work for this project is separated into additional bid items for the purpose of identifying possible subcontractor work for the disadvantaged business enterprises.

The portions of the water main specifications listed below shall govern the extent of these bids:

<u>Bid</u>	<u>Specification</u>	<u>Page (S)</u>
Permanent Pavement	Chapter 5.19.0	170,171
Curb & Gutter	Chapter 5.19.0	170,171
Walk	Chapter 5.19.0	170,171
Driveway	Chapter 5.19.0	170,171
Barricades and Traffic Control	Sections 2.7.2 and 2.7.3	38,39
Sawcutting	Sections 3.5.6 and 3.5.7	66,67
Finishing of Roadway	Section 2.5.4	32

All other work on this project, which is not specifically bid, shall be included in the unit price bid for water main.

5. Delivery of Material Furnished by the City

Specification chapter 4.3.0 shall be revised to read:

The City of Milwaukee will not deliver material that is furnished by the City. It shall be the contractor's responsibility to pick up and transport all material furnished by the City. The contractor's responsibility for this material shall begin on the day the contractor picks up the material, whether this is done before or during construction.

The contractor, upon receipt of the city-furnished material, shall sign the City of Milwaukee, Department of Public Works "Material Requisition and Disbursement Report". The contractor shall also return any city-furnished material that is designated to be returned. All costs for the transportation of city furnished material shall be included in the unit price bid for water main. Contact Mr. Kevin Gray, City of Milwaukee Inventory Assistant at 414-286-0669 for additional information.

6. Erosion Control Specifications

Non Rural

Soil Erosion Control Plans for Water Main Installation In Paved, Non-Rural Areas; Revised August 1, 2001, shall apply to this project. Copies of this document are available upon request from Milwaukee Water Works – Water Engineering; Zeidler Municipal Building; 841 N. Broadway, Room 403; Milwaukee, WI 53202.

The contractor shall clean the storm water inlets prior to placing the inlet baskets. If the inlet drain is clogged, the contractor shall contact Underground Operations (414-286-3731) so that the drain can be cleaned.

Rural

Soil Erosion Control Plans for Water Main Installation In Paved, Rural Cross-Section, Pedestrian Ways, and Unpaved Areas Other Than Channels; Revised August 1, 2001, shall apply to this project. Copies of this document are available upon request from Milwaukee Water Works – Water Engineering; Zeidler Municipal Building; 841 N. Broadway, Room 403; Milwaukee, WI 53202.

The contractor shall clean the storm water inlets prior to placing the inlet baskets. If the inlet drain is clogged, the contractor shall contact Underground Operations (414-286-3731) so that the drain can be cleaned.

7. Backflow Preventer

In any instance where water is used from a hydrant or other public water supply source, the contractor shall protect the public water supply by means of an appropriate backflow preventer.

Where the hose or outlet will be above the elevation of the water source, the contractor shall use a reduced pressure zone (rpz) backflow preventer. If a $\frac{3}{4}$ " or smaller hose supply is required a vacuum breaker-backflow preventer may be used. Where the hose and outlet will always be below the elevation of the water source, an atmospheric vacuum breaker may be used. The backflow preventer shall be connected to the hydrant in compliance with section 2.8.12 and shall be self-supporting imposing no load on the hydrant.

8. Hydrants and Valves

The contractor shall install hydrants with the nozzle section facing the street where practical. The cost of modifying the hydrants shall be included in the unit price bid for installing hydrants. The contractor shall be responsible for installing the hydrant frangible coupling (flange) within 0.2' of the plan grade. The contractor shall notify the Milwaukee Water Works Distribution Division of any existing hydrant vandal proof devices before removing hydrants. The contractor shall be responsible for tightening nuts and bolts on all valves and hydrants in this contract.

9. Hydrant Permits

A \$65.00 hydrant permit/use fee will be part of the hydrant use permit. This fee is per hydrant per week.

It is the intention of the City of Milwaukee to meter and record all water use on this contract. The contractor must obtain a hydrant permit for this contract, which includes the requirement of a meter to measure water usage. This permit can be obtained from the City's Development Center located at 809 N. Broadway.

If it is found that the contractor is not following the standard hydrant permit use rules, the City of Milwaukee will take normal enforcement action.

Milwaukee Water Works only projects issued through DPW

The permit requires the contractor to place a refundable \$675.00 deposit for each meter to be used. The contractor will not be required to pay \$325.00 for the setup of the meter. The \$65.00 hydrant permit/use fee will be waived by the utility. The contractor will not be charged for the volume of water used.

Combined Water/Sewer projects issued through DPW

The permit requires the contractor to place a refundable \$675.00 deposit for each meter to be used. The contractor will be required to pay \$325.00 for the setup of the meter. The contractor will be charged for the volume of water used to complete the work on the contract. Construction activities directly related to the installation of water main shall be exempt from the usage charge. The contractor shall contact Meter Services before and after the water main installation. Failure to contact Meter Services will subject the contractor to the full water use charges.

All other contracts or water main installations

The permit requires the contractor to place a refundable \$675.00 deposit for each meter to be used. The contractor will be required to pay \$325.00 for the setup of the meter. The contractor will be charged for the volume of water used and read on the meter(s).

Questions, arranging installations, and readings

MWW Meter Services dispatcher, 414-286-2865
Mr. Tim Garczynski, Water Meter Project Manager, 414-286-8119

10. Water Services

On each connect original service (C.O.S.), replace original service (R.O.S.) or installation of new service, the contractor shall furnish and install a service insulator (Ford Meter Box Co. Inc. SI-2, SI-4, SI-6, SI-7 or equal). Cost of furnishing and installing the service insulator shall be included in the unit bid price for the C.O.S., R.O.S. or service, respectively. On C.O.S.'s the service insulator shall be installed on the outlet side of the corporation stop. On R.O.S.'s and new services, the service insulator shall be installed on the outlet (private property) side of the curb stop.

11. Pipe Restraint

Pipe shall be restrained by means of concrete buttresses and anchors as shown on specification drawing no.'s 3 through 12 and no. 17. When adequate concrete buttressing is not possible, strapping and rodding as shown on drawing no.'s 13, 14, and 16 shall be installed for pipe restraint at 4" through 16" bends and offsets. Bell spigot restraints, as shown in drawing no. 15, shall be used only at the direction of the commissioner,

- 1) In conjunction with concrete restraints when the water main must be immediately restored to service, or
- 2) Where other restraints cannot be used.

12. Water Quality Tests

Section 5.18.1 of the specifications shall be revised to read:

Water from all new mains must successfully pass turbidity and bacterial tests performed by the City before the main is accepted for use.

13. Pressure Testing

The allowable leakage referred to in section 5.17.3 shall not exceed the number of gallons per hour as determined by the following formula:

$$GPH = \frac{S \times D \times \sqrt{P}}{148,000}$$

In which *GPH* = gallons per hour

D = nominal diameter of main in inches

S = length of pipe tested in feet

P = average pressure in pounds per square inch gauge during leakage test

14. Backfill and Bedding Material

The contractor shall have the option of using one of the following requirements for backfill and bedding on installations of 16" and smaller water mains.

Backfill

Material used to backfill water main trenches, as required in chapter 5.16.0 of the "Water Main Installations" of the City of Milwaukee, shall be one of the following gradation requirements:

Option No. 1

<u>Sieve Size</u>	<u>Crushed Gravel</u>	<u>Crushed Stone</u>
1 inch	100 %	100 %
3/8 inch	50 – 85 %	40 – 75 %
No. 4	35 – 65 %	25 – 60 %
No. 10	25 – 50 %	15 – 45 %
No. 40	10 – 30 %	–
No. 200	3 – 10 %	3 – 12 %

Option No. 2

<u>Sieve Size</u>	<u>1/4" Screenings</u>
1/2 inch	100 %
3/8 inch	–
No. 4	75 – 100 %
No. 8	–
No. 16	–
No. 30	–
No. 100	10 – 25 %

Option No. 3 Sieve Analysis, ASTM C 136

<u>Sieve Size</u>	<u>Percent Passing</u>	
2.5 inch	100.0 %	
2 inch	88.2 %	
1.5 inch	68.9 %	
1 inch	50.7 %	
3/4 inch	41.0 %	
1/2 inch	33.3 %	
3/8 inch	28.3 %	
No. 4	20.6 %	
No. 10	15.8 %	
No. 20	12.0 %	
No. 40	10.0 %	
No. 100	8.3 %	
No. 200	7.5 %	Percent Finer than No. 200 Sieve, ASTM C 117

Bedding

Option No. 1

Material used for bedding shall be per specification 4.6.0 of the "Water Main Installation Specifications" of the City of Milwaukee.

Option No. 2

<u>Sieve Size</u>	<u>1/4" Chips</u>
1/2 inch	100 %
3/8 inch	90 – 100 %
No. 4	–
No. 8	0 – 50 %
No. 16	–
No. 30	0 – 5 %

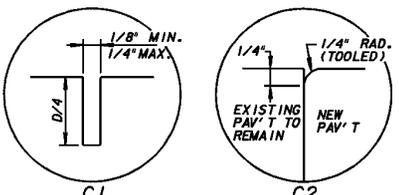
15. Consolidation of Backfill and Aggregate Slurry Backfill

The contractor shall consolidate all backfill by mechanical compaction per specification 2.6.14 (B) of the Standard Specifications for Sewer & Water Construction in Wisconsin. Per the specification, the initial compacted lift shall be two (2) feet. The specification language for subsequent lifts shall be revised to read, "Each subsequent compacted lift of material shall be one (1) foot". Costs are to be included in the unit bid price for water main. Settling the trench by flooding the backfill will not be allowed.

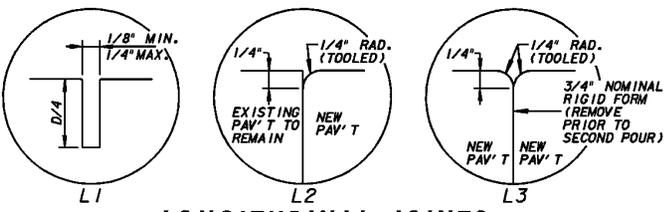
Where specified on the plans, the contractor shall backfill with aggregate slurry per specification 8.43.8 of the Standard Specifications for Sewer & Water Construction in Wisconsin. A bid item for "Slurry Backfill", measured by cubic yards, will be included on the water main construction plans. In addition, if the City of Milwaukee Construction supervisor determines that slurry backfill is required at a location not specified on the plans, and a bid item has not been included in the contract, the contractor shall be paid the "Fixed Price" extra for aggregate slurry backfill.

16. 4" Asphaltic Concrete Pavement Replacement

The bid item for 4" Asphaltic Concrete shall consist of 4" of asphaltic concrete on 2" of 3/4" crushed stone (meeting Street Construction Specification 904.2.2) on 7" of no. 2 crushed stone. The cost of the crushed stone base shall be included in the unit price bid for 4" Asphaltic Concrete.



TRANSVERSE JOINTS

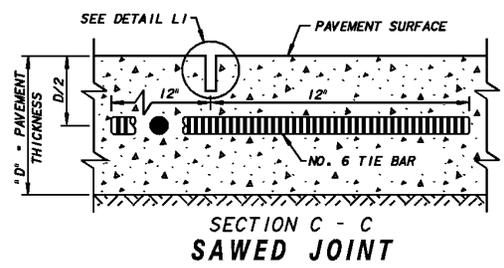


LONGITUDINAL JOINTS

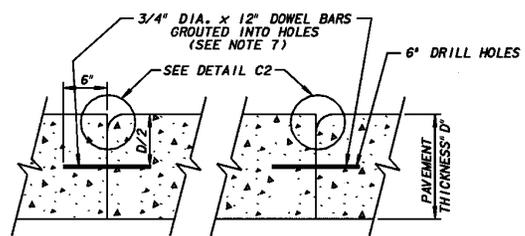
CONCRETE PAVEMENT REPAIR

1. TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS. DOWEL BARS SHALL BE COATED IN CONFORMANCE WITH SUBSECTION 505.2.6 OF THE STANDARD SPECIFICATIONS.
2. DOWELL BARS SHALL BE INSTALLED PARALLEL TO THE PAVEMENT SURFACE.
3. THE C2 JOINTS MAY BE SKEWED (30 DEGREES MAX.) AS DIRECTED BY THE CONSTRUCTION ENGINEER TO FIT THE SKEW OF THE CRACK OR JOINT TO BE REPAIRED.

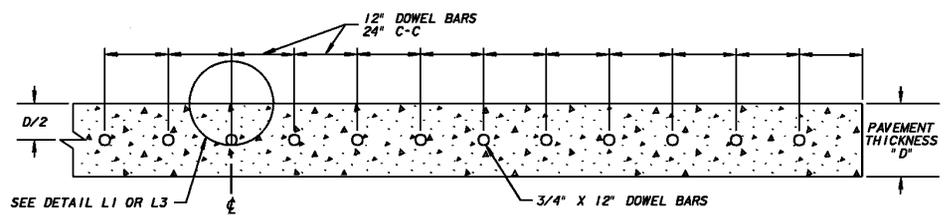
4. STANDARD SPECIFICATIONS ON THIS DETAIL REFER TO STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION - LATEST EDITION.
5. THE PREPARATION OF FOUNDATION FOR FULL DEPTH CONCRETE PAVEMENT REPAIR SHALL BE IN ACCORDANCE WITH SUBSECTION 211.4.4 OF THE STANDARD SPECIFICATIONS.
6. PRIOR TO THE PLACEMENT OF CONCRETE PAVEMENT AND/OR CONCRETE BASE IN THE TRENCH AREA, THE EXISTING PAVEMENT SHALL BE DRILLED TO A DEPTH OF 6 INCHES AT TWO FOOT INTERVALS, ON ALL SIDES. EACH HOLE SHALL BE DRILLED AT A MID-POINT OF THE DEPTH OF THE EXISTING CONCRETE PAVEMENT. NO. 6 (3/4 INCH DIAMETER) EPOXY COATED TIE BARS, 12 INCHES LONG, SHALL THEN BE FIRMLY EMBEDDED IN THE PREDRILLED HOLES. THE SUBGRADE SHALL BE RECOMPACTED IMMEDIATELY AFTER THE HOLES ARE DRILLED AND PRIOR TO THE TIE BARS BEING PLACED. ANY BARS THAT ARE DEEMED LOOSE BY THE CONSTRUCTION ENGINEER SHALL BE WEDGED IN TIGHTLY USING CONCRETE NAILS.
7. A QUICK SETTING NON-SHRINKING HIGH STRENGTH MORTAR OR EPOXY SHALL BE USED TO GROUT DOWEL BARS INTO THE DRILL HOLES. THE DRILL HOLES SHALL BE THOROUGHLY CLEANED OF DRILLING DUST, DEBRIS AND EXCESS MOISTURE PRIOR TO GROUTING. AMPLE MORTAR OR EPOXY SHALL BE PLACED IN THE BACK OF THE HOLE AND THE BAR INSERTED IN SUCH A MANNER THAT IT IS UNIFORMLY COATED WITH MORTAR OR EPOXY AND ALL VOIDS WITHIN THE DRILL HOLE ARE COMPLETELY FILLED. THE MORTAR OR EPOXY CONSISTENCY SHALL BE THICK ENOUGH TO PREVENT EXCESSIVE FLOW FROM THE INSTALLATION.



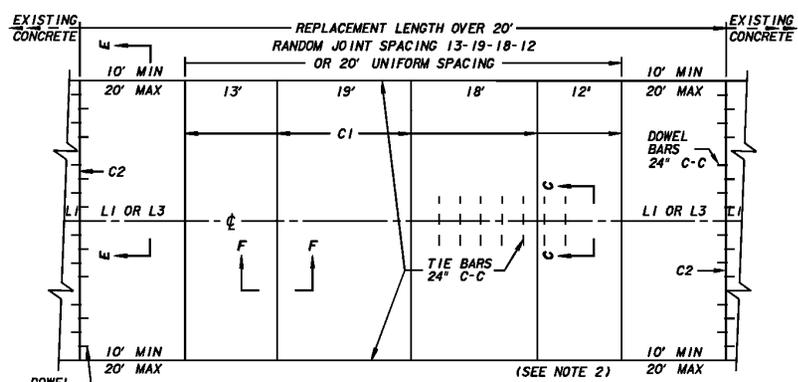
**SECTION C - C
SAWED JOINT**



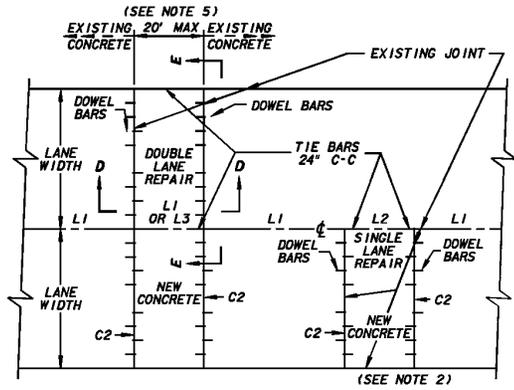
SECTION D - D



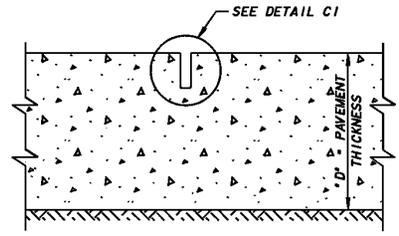
**SECTION E - E
DOWEL BAR SPACING ABUTTING EXISTING PAVEMENT**



**PLAN VIEW
CONCRETE PAVEMENT REPLACEMENT**



**PLAN VIEW
CONCRETE PAVEMENT REPAIR**



**SECTION F - F
CONTRACTION JOINT**

**This is the “Supplemental Schedule” of FIXED PRICES
Referenced to in Chapter 2.6.0 of the Specifications**

SPECIFICATION REFERENCE

1987 Water Specifications	ITEM	UNIT	PRICE
5.1.11	Water Service Alteration: Up to 1” Diameter Over 1” Diameter	Each Each	\$ 450.00 Agreed Upon
3.5.6	Sawing Concrete Pavements Full Depth With Water Cooled Saw Total footage of 0 to 200 feet Each additional foot Over 200 feet	Lump Sum Lineal Ft.	400.00 2.00
5.1.11	Reconnecting Existing House Sewers and Drains	Lineal Ft.	55.00
5.2.4	Sheathing and Bracing Left in Place (Includes Labor & Material)		Agreed Upon
	Concrete Cap – All Sizes of Pipe	Cubic Yd.	200.00
	Concrete Cradle – All Sizes of Pipe	Cubic Yd.	200.00
5.16.17 5.16.18	3” Thick Bituminous Premix/ Asphaltic Concrete	Square Yd.	Base Price 100.00 25.00 + Base
5.19.2	8” Thick Class A Concrete Base (Includes Removals): Up to 20 sq.yds. Over 20 sq.yds.	Square Yd. Square Yd.	45.00 35.00
5.19.2	8” Thick Class A Concrete Surface (Includes Removals): Up to 20 sq.yds. Over 20 sq.yds.	Square Yd. Square Yd.	50.00 40.00
5.19.2	5” Thick Class C Concrete Sidewalk (Including removals)	Square Ft.	7.00
5.19.2	7” Thick Class A Concrete Driveway (Includes Removals)	Square Ft.	9.00

SPECIFICATION REFERENCE

1987

Water

Specifications

	ITEM	UNIT	PRICE
5.19.2	3" Thick Class A Concrete Shim	Square Yd.	20.00
	Rock Excavation	Cubic Yd.	Time & Material
5.16.5	Slurry: Up to 5 Cu. Yds.	Cubic Yd.	100.00
	Over 5 Cu. Yds.	Cubic Yd.	60.00
	Place All Types of Concrete Curb & Gutter (Includes Removals): Up to 50 Lineal Ft.	Lineal Ft.	40.00
	Over 50 Lineal Ft.		Agreed Upon
	Dowel Bars	Each	7.00
	Lawn Replacement: Type A	Square Yd.	7.00
	Type B	Square Yd.	4.00
	Type C	Square Yd.	3.00

Repair of Water Main Break During Construction

Contractor shall repair all water main breaks on existing mains, which occur during normal working hours. The Water Dept. will operate the valves for shut-off.

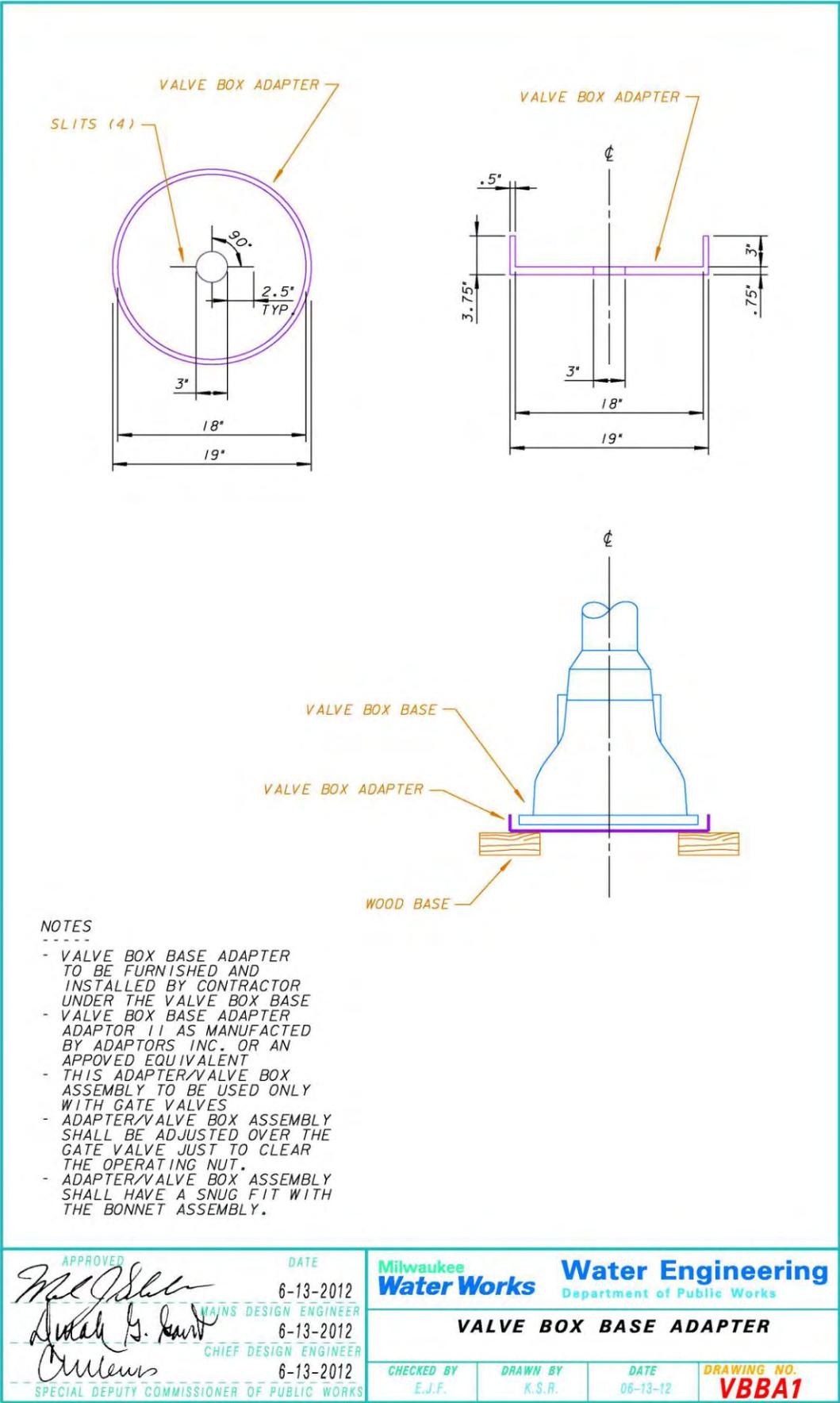
Where repairs are made on mains that will be abandoned, the Contractor shall furnish all repair material. The Contractor shall have a minimum of 2 repair clamps, 2 dual purpose sleeves, and 1 length of ductile iron, cast iron or PVC pipe of the existing pipe size on the job before the job starts and at all times thereafter. This repair material need not conform to Water Main Installation Specifications.

When repairs are required on mains that will remain in service, all repair materials shall be picked up by the Contractor at the pipeyard and their cost to be billed to the Contractor only if the break was caused by his negligence.

All breaks occurring as a result of the negligence of the Contractor shall be repaired at his own expense. Where the break occurs while exercising normal care, the Contractor will be compensated for the repair of each break as follows:

- a. Where the break can be repaired without replacing pipe, the Contractor will be paid. \$ 1,000.00
- b. Where the break can be repaired without replacing pipe
And the Contractor must excavate, the Contractor will be paid. \$ 1,800.00
- c. Where a piece of pipe must be removed and replaced
the Contractor will be paid Time and Material

Water Services or branches damaged as a result of the construction work shall be repaired by the Contractor at his own cost.



20. Water Main Disinfection Process

This process shall supersede chapter 5.18.0 of the water main installation specifications dated January 2, 1987, entitled "Safe Drinking Water Procedures and Tests". The contractor shall be required to disinfect all proposed water mains in this contract using either the continuous feed method per AWWA C651-99, Sec. 4.4.3 or the tablet method detailed below.

If the contractor chooses the continuous feed method, the water main shall be chlorinated following a successful pressure test. After chlorination (>10ppm chlorine residual), the contractor shall flush the super-chlorinated water out of the main and de-chlorinate the discharged water. The contractor shall then flush the water main for a period of 24 hours and begin the sampling process. The sampling process shall be done as detailed in step 6 of the tablet method. After successful water samples are obtained, the contractor shall begin the wet connection process. Following the first wet connection, the contractor shall flush the water main overnight prior to reconnecting services or making the next wet connection.

Tablet Method

- 1) The contractor shall supply and place calcium hypochlorite tablets in the water main as it is being installed. The placement of the tablets shall be per AWWA C651-99, Sec. 4.4.2. The tablets shall be attached to the top of the pipe with a food-grade adhesive (Loctite Gasket Sealant No. 2 or DAP 100% silicone rubber sealant or approved equal). The calcium hypochlorite tablets shall conform to AWWA C651-99, Sec. 4.1.3.
- 2) When installation is complete, the contractor shall fill the main with water at a rate to insure that the water within the main will flow at a velocity no greater than 1 ft/s (160gpm fill rate for an 8" water main). Precautions shall be taken to ensure that air pockets are eliminated. This water shall remain in the pipe for 24 hours.
- 3) Following the 24-hour waiting period, the construction section shall test for a chlorine residual of at least 5ppm at each end of the water main.
- 4) The contractor shall flush the super-chlorinated water out of the main. The contractor shall de-chlorinate the discharged water. The de-chlorinator shall be the "H2O Neutralizer" by Measurement Technologies, 704 – 228th Avenue NE, #601, Sammamish, WA 98074, (425) 868-8511, or equal.
- 5) Whether the chlorine residual was less than or greater than 5ppm, the construction section shall then pressure test the water main.
- 6) A) If the water main passed the pressure test and the chlorine residual was greater than 5ppm, then the contractor shall flush the water main for a period of 24 hours. Following the 24-hour flushing period, two samples shall be collected from the new main. One sample will be for a bacteriological test. The other sample will be tested for chlorine residual and turbidity. If the first samples are unsuccessful, another set of samples will be collected following an additional 24 hours of flushing. If the second set of samples is unsuccessful, re-chlorination will be required (See step 7). The contractor shall begin the wet connection process after obtaining successful samples. Following the first wet connection, the contractor shall flush the water main overnight prior to reconnecting services or making the next wet connection.

B) If the water main did not pass the pressure test, then the contractor shall make the necessary repairs and the water main shall be re-pressure tested. Following the successful pressure test, the contractor shall fill the water main. The construction section shall then chlorinate the water main by the continuous feed method per AWWA C651-99, Sec. 4.4.3. After successful chlorination (>10ppm chlorine residual), the contractor shall flush the super-chlorinated water out of the main and de-chlorinate the discharged water. The contractor shall then flush the main for a period of 24 hours. Following the 24-hour flushing period, two samples shall be collected from the new main. One sample will be for a bacteriological test. The other sample will be tested for chlorine residual and turbidity. If the first samples are unsuccessful, another set of samples will be collected following an additional 24 hours of flushing. If the second set of samples is unsuccessful, re-chlorination will be required (See Step 7). The contractor shall begin the wet connection process after obtaining successful samples. Following the first wet connection, the contractor shall flush the water main overnight prior to reconnecting services or making the next wet connection.

- C) If the water main passed the pressure test but the chlorine residual was less than 5ppm, then the contractor shall fill the water main and the construction section shall chlorinate the water main by the continuous feed method per AWWA C651-99, Sec. 4.4.3. After successful chlorination, the contractor shall flush the super-chlorinated water out of the main and de-chlorinate the discharged water. The contractor shall then flush the main for a period of 24 hours. Following the 24-hour flushing period, two samples shall be collected from the new main. One sample will be for a bacteriological test. The other sample will be tested for chlorine residual and turbidity. If the first samples are unsuccessful, another set of samples will be collected following an additional 24 hours of flushing. If the second set of samples is unsuccessful, re-chlorination will be required (See Step 7). The contractor shall begin the wet connection process after obtaining a successful sample. Following the first wet connection, the contractor shall flush the water main overnight prior to reconnecting services or making the next wet connection.
- 7) If acceptable bacteriological, chlorine residual, and turbidity samples cannot be obtained in two attempts, the construction section shall re-chlorinate the water main by the continuous feed method per AWWA C651-99, Sec. 4.4.3. After successful chlorination, the contractor shall flush the super-chlorinated water out of the main and de-chlorinate the discharged water. The contractor shall then flush the main for a period of 24 hours. Following the 24-hour flushing period, two samples shall be collected from the new main. One sample will be for a bacteriological test. The other sample will be tested for chlorine residual and turbidity. If the first samples are unsuccessful, another set of samples will be collected following an additional 24 hours of flushing. If the second set of samples is unsuccessful, the contractor will be required to excavate the water main to remedy the problem. If excavation is required, another successful pressure test will be needed prior to re-chlorination. The new water main connections to the distribution system cannot be made until successful samples are obtained.
- 8) Note: the construction section shall take the samples to the Linnwood Plant testing lab. A Bac-T test shall be run on one of the samples. The other sample shall be tested for a chlorine residual of less than 2ppm and turbidity NTU of less than 5.

21. Erosion Control Special Provision

The erosion control item on this contract shall include an Erosion Control Implementation Plan (ECIP). The ECIP shall be submitted to Mr. Thomas Moore of the Milwaukee Water Works, Water Engineering Section; Zeidler Municipal Building; 841 North Broadway, Rm. 403; Milwaukee, WI 53202, at least ten (10) working days prior to the scheduled start of work on the contract. The Milwaukee Water Works shall review the ECIP for meeting technical standards and notify the contractor if the plan meets the standard within seven (7) working days. Work shall not start until the ECIP meets technical standards. The contractor shall be required to have a copy of the ECIP on the job site for the entire duration of the contract. The ECIP shall include, but not be limited to:

- 1) A completed "Erosion Control Implementation Plan" application (Attached)
- 2) A plan showing all locations of erosion control devices and other Best Management Practices (BMP's).
- 3) A written description of all erosion control devices and BMP's to be used.
- 4) A written schedule of installing erosion control devices.
- 5) A written schedule of construction operations related to implementing erosion control devices and BMP's.
- 6) A written maintenance schedule for all erosion control devices and BMP's.

All costs associated with implementing the erosion control plan, such as furnishing, installing, maintaining, and removal of erosion control devices shall be included in the unit price bid for erosion control. There shall be no additional compensation for revising the ECIP or utilizing additional BMP's in order to comply with Chapter 290 of the City of Milwaukee Code of Ordinances. If the contractor is found not in compliance with the ECIP, the contractor will be subject to the penalties included in Chapter 290.

CITY OF MILWAUKEE

DEPARTMENT OF PUBLIC WORKS

Erosion Control Implementation Plan

The Erosion Control Implementation Plan (ECIP) is an effort to conform to Chapter 290 of the Code of Ordinances. The ECIP shall be submitted to the City Engineer at least ten (10) working days prior to the start of any construction activity. **NO** construction activity may begin without an ECIP approved by the Department of Public Works.

<i>FOR OFFICE USE ONLY</i>				Application No. _____	
Meets Technical Standards <input type="checkbox"/>		Does Not Meet Technical Standards <input type="checkbox"/>			
Date Application Received: _____		Date all Information Received: _____		Reviewed By: _____	
Fee Paid <input type="checkbox"/>		Check No. : _____			
		APPLICANT (Contractor)		Erosion Control Consultant/Engineer	
Name					
Address					
City/State/Zip					
Phone		()		()	
Relationship to Project					
Principal Contact Responsible for Installation, Maintenance and removal of erosion control measures :					
Name					
Phone		()		Fax	
Type of Construction					
Proposed Construction Start Date					
Any public waterway within 1,000 feet of any location.		YES <input type="checkbox"/>		NO <input type="checkbox"/>	

ECIP REQUIREMENTS:

- Attach a description of erosion control devices and other best management practices to be utilized on the project(s). The description should include, but not be limited to: type of products; i.e., *Geotex Fabric*, Manufacturer's Names and Types of Equipment (i.e.; self-contained power broom)
- Attach the intended timetable and sequence of construction activities.
- Attach the intended timetable and sequence of best management practices and devices to be implemented for erosion control.
- Attach a site plan showing approximate locations(s) of erosion control devices. The site plan shall be at a scale of no less than 1" = 100'. The plan shall also indicate the direction of runoff flow, the construction limits, temporary stockpiles and any other significant information.

Upon receipt of all required information, the ECIP will be reviewed within ten (10) working days and all involved parties will be notified whether or not the plan meets technical standards.

Applicant's Signature: _____ **Date:** _____

City of Milwaukee

Department of Public Works

Erosion Control – Simplified Checklist

Site Characteristics

The Contractor may utilize the City of Milwaukee plan set for this contract or provide a site diagram. The following information shall be included:

- The scale of the drawing (not less than 1"=100')
- A north arrow (towards the top or to the right of the plan)
- The name of all project streets and streets abutting the project
- Approximate location of all existing and proposed drainage structures
- The direction of water runoff (flow arrows)
- The limits of construction
- The approximate location of all erosion control devices
- Areas where vegetation will be disturbed and re-established
- For non right-of-way projects, locate watershed areas of overland and concentrated flow. Include area sizes in acres and representative soil type of disturbed areas.

Erosion Control Practices

- Storm water inlet protection:
 1. Any structure that is connected to the drainage system shall be protected from sediment entering the system.
 2. All storm water inlets adjacent to and on the project site shall have type M inlet protection.
 3. If the frame of any storm water inlet is removed or openings are in the masonry and storm water may enter, the protection device should be changed to a type R.
 4. Any manholes that the frame is removed or openings are in the masonry and storm water may enter shall have a type R erosion control.
- Temporary storage piles:
 1. Storage of erodible materials (i.e. gravel) should not be closer than 25 feet from a roadway or drainage way. If placed in the right-of-way, the stockpiles shall not be placed closer than 100 feet of an unprotected storm drain. Covering or surrounding with straw bales, silt fence or other measures, shall control erosion from stockpiles existing less than ten (10) days. Stockpiles existing longer than ten (10) days shall be seeded and mulched.
- Tracking:
 1. The project and surrounding roadways shall be kept free from materials that may enter the drainage system. Tracked roadways shall be cleaned immediately by means other than flushing with water.
 2. Tracking pads at ingress and egress points may be used to help control tracking of sediment onto roadway surfaces. The pads shall be constructed with a minimum of 2-inch size stone, 8-feet wide and a minimum of 50-feet long.
 3. The project roadways should be cleaned on a daily basis. Cleaning shall be done by means other than flushing with water.
- Location of sediment controls (i.e. silt fence, straw bales, waddles and other planned practices) that minimize the amount of sediment from leaving the site:
 1. The *"Wisconsin Construction Site Best Management Practices Handbook"* should be consulted.

- Dewatering:
 1. Water containing particles of 100 microns or greater shall be treated by use of temporary sediment basins or other devices designed to remove particles of 100 microns or greater.
- Vegetation:
 1. The construction activity should be staged as to limit the amount of time vegetation is stripped and reestablished.
- Maintenance:
 1. A schedule for maintaining all erosion control devices is necessary to maximize the effort of limiting sediment from entering the drainage system.
 2. All devices should be checked and maintained after a rainfall event that totals 0.50 inches.
 3. All devices should be checked and maintained at least once a week.

22. Bicycle Racks

The City of Milwaukee Street Maintenance Section will be responsible for the removal and replacement of bicycle racks impacted by water main installation. The Contractor, in coordination with City Inspection Staff, must notify Mr. Jeffery Dellemann, Street & Bridge Services Manager, at 414-286-2078, a minimum of five (5) days prior to construction activities impacting the bicycle rack.

The Contractor is responsible for any damage to bicycle racks due to neglecting to have them relocated.

23. Mechanical Joint Restraint (MJ Field Lok®) Revised 4/1/10

The intent of this supplemental installation specification is to identify the joint restraint options allowed by the City of Milwaukee, Milwaukee Water Works, for use on water main and fittings 4” – 16” in diameter. (For additional requirements, see section 11 of the Standard Plan Notes Regarding Water Main Construction and Section 5.3.19 of City of Milwaukee Water Main Installation Specifications.)

Mechanical Joint – Mechanical joints shall be restrained where required by City specifications or construction plans, either by the use of concrete buttresses, anchors, strapping, Tyton joint restraint gaskets (Field Lok 350®), or MJ Field Lok ® glands and gaskets. (*Note: A combination of restraint alternatives may be required to achieve the proper joint restraint at the mechanical joint fittings as well as the specified restrained length.*)

MJ Field Lok® application Notes

- 1) MJ Field Lok® may be utilized in conjunction with standard joint restraint methods currently approved (anchors, buttresses, strapping, Field Lok 350®) for use in the MWW system to achieve the proper joint restraint.
- 2) The contractor shall complete the “Optional Joint Restraint Application” included in the contract documents, and submit this form at the same time as the Erosion Control Implementation Plan. The intent of requirement is to insure the proper installation of the MJ Field Lok® and Field Lok® products.

- 3) Pre-Approval (completed form) must be given to the contractor prior to installation.
- 4) The approval from the City of Milwaukee to use the Field Lok products may require a preconstruction meeting to discuss the intended use and locations.
- 5) The City of Milwaukee may also require the contractor to submit a restraint plan.
- 6) The joint restraint gland and gasket shall be suitable for use with AWWA C110 Fittings.
- 7) The joint restraint system shall be provided as a kit containing all necessary accessories for proper assembly and installed per manufacturer's specifications.
- 8) The restraint system shall be completely integral to the gasket, requiring only standard mechanical joint assembly techniques.
- 9) The restraining system for Ductile Iron shall be pressure rated to 350 psi.
- 10) The restraining system shall be rated in accordance with the performance requirements of ANSI/AWWA C111/A21.11 Rubber Gasket Joints for Ductile-Iron Pressure Pipe and Fittings.
- 11) MJ Field Lok® is approved for use on Ductile Iron water main only, and shall not be utilized on Cast Iron. MJ Field Lok® is not approved for use on hydrant branches, due to the MWW oversized hydrant shoe.
- 12) Marking Tape
 - A. Description: Marking tape shall be Non-detectable, polyethylene (suitable for direct bury) to be installed when MJ Field Lok® or Field Lok 350 ®restraint is utilized as restraint alternatives.
 - B. Material: Marking tape shall be made of virgin polyethylene, non-detectable type. The physical properties of the tape shall be in accordance with ASTM D882, ASTM D671, ASTM D2103, ASTM D2578.
 - C. Design: Marking tape shall have the following properties
 - a. Color – Blue per APWA color code
 - b. Width – 3 inches minimum
 - c. Text – "CAUTION RESTRAINED JOINT BURIED BELOW"
 - d. Text shall continually repeat every 2 feet
 - e. Text color – Black
 - f. Text Size – 1 inch minimum
 - g. Thickness – 4mil minimum
 - D. Installation: Marking tape shall be placed along (longitudinally) the top of the water main following the installation of the required poly wrap for pipe and fittings, and taped to the poly wrap (around the water main) at 4 ft intervals for the limits of the installed joint restraint. The tape shall identify the complete restrained length.
 - E. Acceptable Brands
 - a. T. Christy's Enterprises Inc. – Non-Detectable Marking Tape

Contractor to submit documentation on products from manufacturers other than listed above.

CITY OF MILWAUKEE

DEPARTMENT OF PUBLIC WORKS

Optional Joint Restraint Request

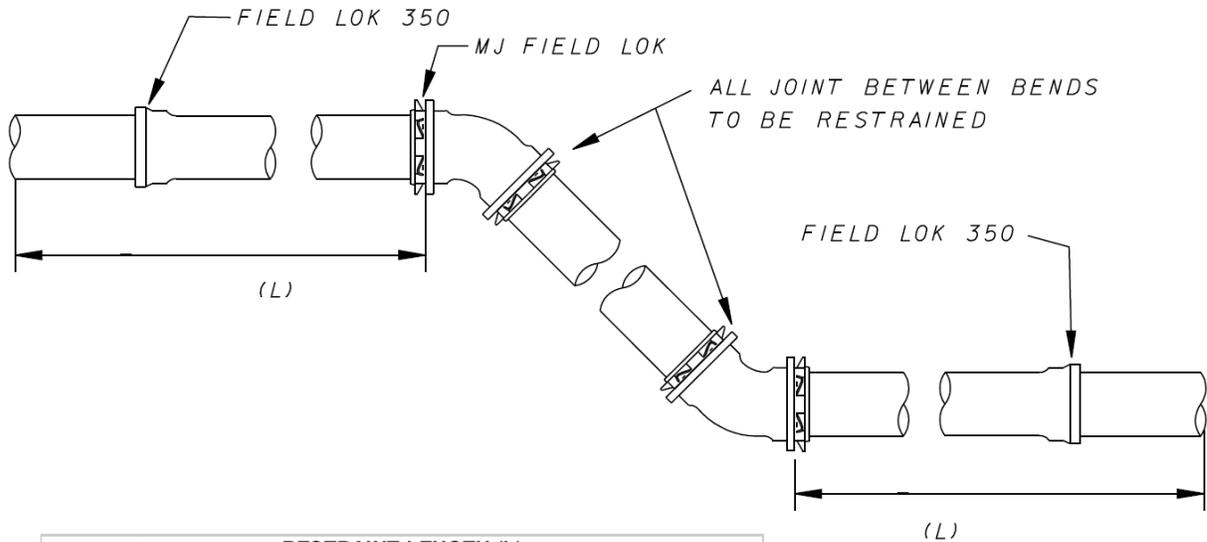
Use of Mechanical Joint Field Lok® and Field Lok 350® joint restraints will not be allowed without an approved application. (The intent of this submittal is to insure proper installation of the MJ Field Lok® and Field Lok® products.)

<i>FOR OFFICE USE ONLY</i>			
Date Application Received: _____		Joint Restraint Not Acceptable	<input type="checkbox"/>
Reviewed By: _____		Meeting Required prior to Acceptance	<input type="checkbox"/>
		Restraint Plan Required	<input type="checkbox"/>
		Joint Restraint Acceptable	<input type="checkbox"/>
APPLICANT (Contractor)			
Company Name			
Contact Name			
Address			
City/State/Zip			
Phone	()		
Fax	()		
PROJECT DESCRIPTION			
DPW Contract			
PROJECT LOCATION(S)		PLAN FILE NUMBER(S)	

- Identify all projects that approval is being requested in the space provided.
- All joint restraint shall meet the minimum requirements found in the City of Milwaukee Specifications for Water Main Installation.
- The approval from the City of Milwaukee to use the Field Lok products may require a preconstruction meeting to discuss the intended use and locations.
- The City of Milwaukee may also require the contractor to submit a restraint plan.
- By signing this application I acknowledge the following:
 - I have read and understand the City of Milwaukee specification regarding the use and installation of the MJ Field Lok® and Field Lok® products.
 - I have read and understand the manufacturer’s recommended installation instructions.
 - Additional standard restraints may be required in conjunction with the installation of the MJ Field Lok® and Field Lok® products.
 - The approval for the use of MJ Field Lok® and Field Lok® products, does not supersede the contractor’s responsibility for installing the proper restraint as identified in the plans and specifications.

Applicant’s Signature: _____ **Date:** _____

MECHANICAL JOINT RESTRAINT (4"-16")

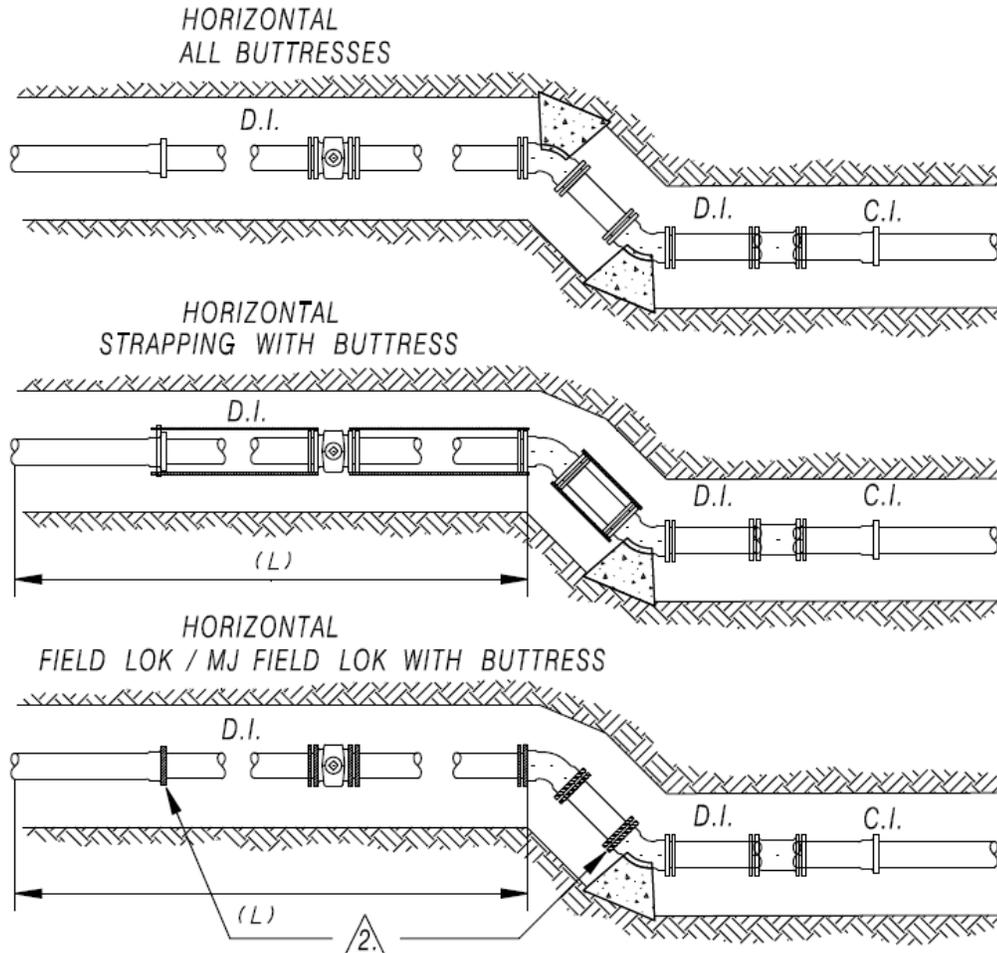


RESTRAINT LENGTH (L)						
PIPE DIA.	BENDS		OFFSETS			
	DEGREE OF BEND		OFFSET DIMENSION			
	22-1/2	45	6"	12"	18"	24"
4"	6'	12'	10'	14'	16'	N/A
6"	8'	16'	12'	16'	20'	35'
8"	12'	20'	16'	22'	24'	35'
12"	15'	26'	18'	24'	27'	35'
16"	18'	36'	19'	26'	30'	N/A

NOTES:

- 1) MATERIAL: JOINT RESTRAINT FOR MECHANICAL JOINT FITTINGS SHALL BE THE MJ FIELD LOK ® GLAND AND GASKET.
- 2) THE JOINT RESTRAINT GLAND AND GASKET SHALL BE SUITABLE FOR USE WITH AWWA C110 FITTINGS.
- 3) NOT TO BE USED ON HYDRANT BRANCHES..
- 4) THE RESTRAINT SYSTEM SHALL BE COMPLETELY INTEGRAL TO THE GASKET, REQUIRING ONLY STANDARD MECHANICAL JOINT ASSEMBLY TECHNIQUES.
- 5) THE RESTRAINING SYSTEM FOR DUCTILE IRON SHALL BE PRESSURE RATED TO 350 PSI.
- 6) THE RESTRAINING SYSTEM SHALL BE RATED IN ACCORDANCE WITH THE PERFORMANCE REQUIREMENTS OF ANSI/AWWA C111/A21.11 RUBBER GASKET JOINTS FOR DUCTILE-IRON PRESSURE PIPE AND FITTINGS.
- 7) MARKING TAPE REQUIRED "CAUTION RESTRAINED JOINT BURIED BELOW".
- 8) WHEN CONNECTING TO EXISTING WATER MAIN OR RESTRAINED LENGTH (L) IS NOT ABLE TO BE ACHIEVED, ADDITIONAL RESTRAINT WILL BE NECESSARY. (ANCHOR BLOCKS, BUTTRESSES, STRAPPING)
- 9) DRAWING NOT TO SCALE
- 10) FOR ADDITIONAL SPECIFICATION NOTES SEE THE STANDARD PLAN NOTES REGARDING WATER MAIN CONSTRUCTION.

**RESTRAINT STANDARDS (4-16")
WATER MAIN END CONNECTIONS**

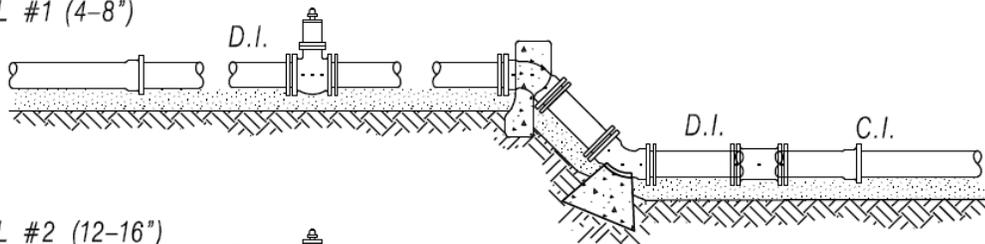


1. ALL BUTTRESSING PER DWG. NO. 7
 2. ALL ANCHOR BLOCKS PER DWG. NO. 10
 3. RESTRAINED LENGTH "L" PER DWG. NO. 16
- △ ALL JOINTS WITHIN LIMITS
TO BE RESTRAINED WITH
FIELD LOK 350® OR MJ FIELD LOK®

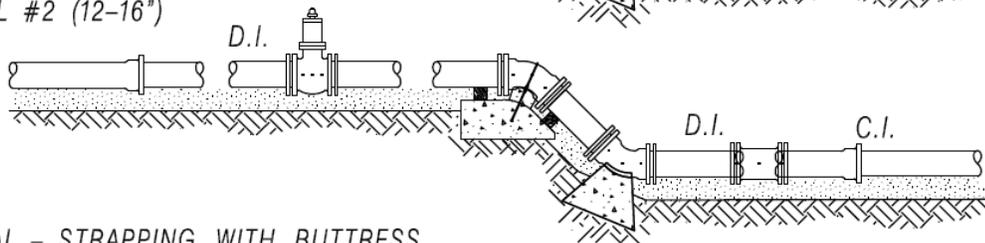
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**RESTRAINT STANDARDS (4-16")
WATER MAIN END CONNECTIONS**

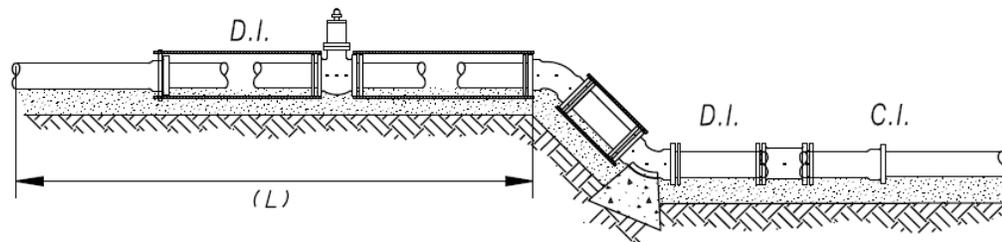
VERTICAL #1 (4-8")



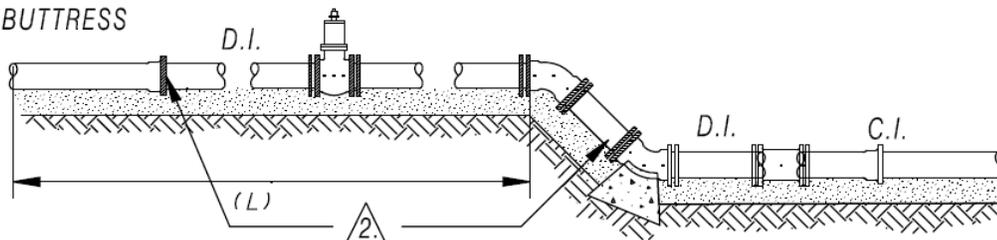
VERTICAL #2 (12-16")



VERTICAL - STRAPPING WITH BUTTRESS



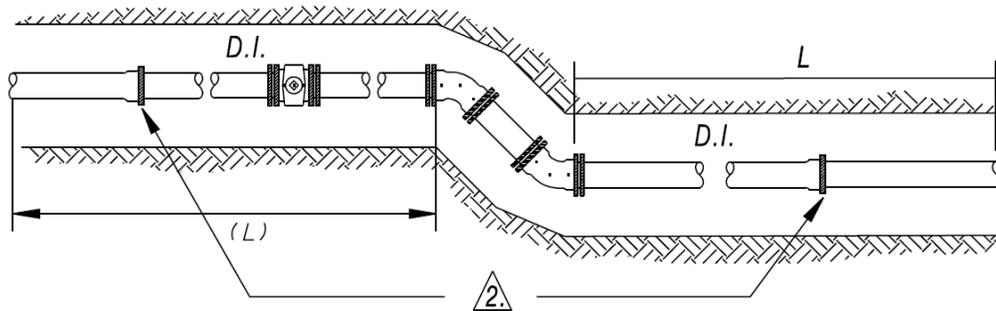
VERTICAL - FIELD LOK / MJ FIELD LOK
WITH BUTTRESS



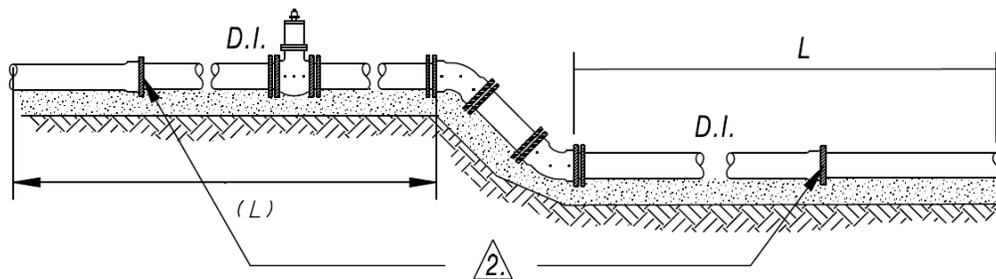
1. ALL BUTTRESSING PER DWG. NO. 7
 2. ALL ANCHOR BLOCKS PER DWG. NO. 10
 3. RESTRAINED LENGTH "L" PER DWG. NO. 16
- △ ALL JOINTS WITHIN LIMITS
TO BE RESTRAINED WITH
FIELD LOK 350® OR MJ FIELD LOK®

**RESTRAINT STANDARDS (4-16")
DUCTILE IRON WATER MAIN**

HORIZONTAL ALL FIELD LOK / MJ FIELD LOK



VERTICAL - ALL FIELD LOK / MJ FIELD LOK

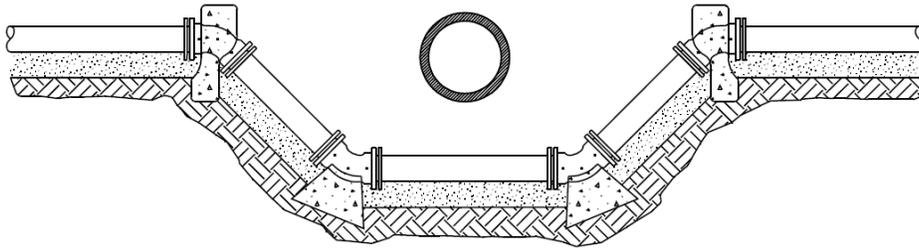


1. ALL BUTTRESSING PER DWG. NO. 7
 2. ALL ANCHOR BLOCKS PER DWG. NO. 10
 3. RESTRAINED LENGTH "L" PER DWG. NO. 16
- △ 2. ALL JOINTS WITHIN LIMITS
TO BE RESTRAINED WITH
FIELD LOK 350® OR MJ FIELD LOK®

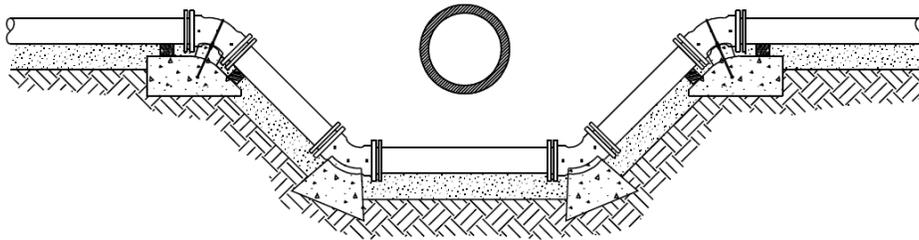
file = MJ Field Lok.dgn

**RESTRAINT STANDARDS (4-16")
VERTICAL OFFSET**

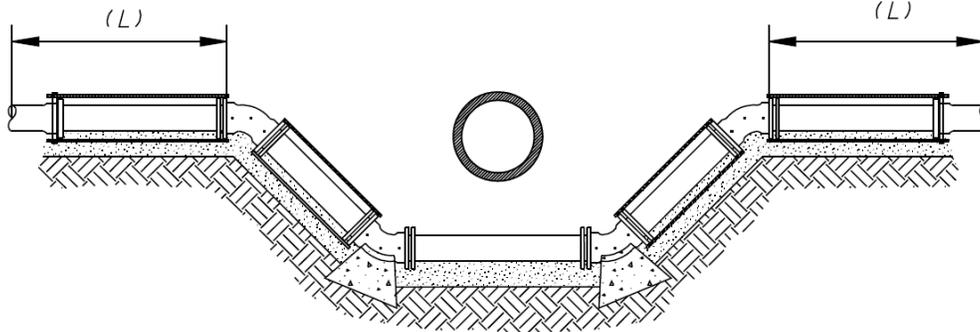
VERTICAL #1 (4-8")



VERTICAL #2 (12-16")



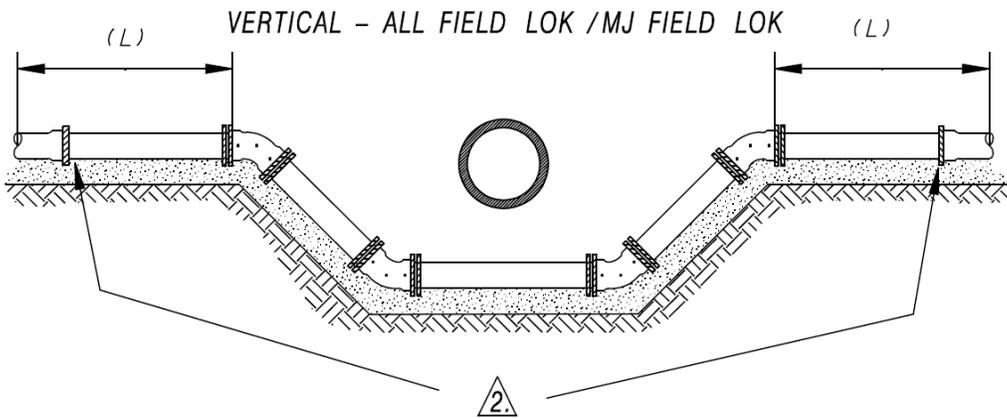
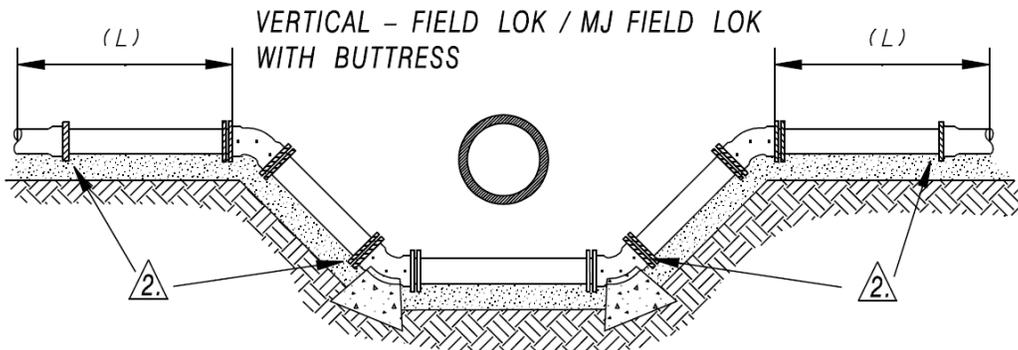
VERTICAL - STRAPPING WITH BUTTRESS



1. ALL BUTTRESSING PER DWG. NO. 7
2. ALL ANCHOR BLOCKS PER DWG. NO. 10
3. RESTRAINED LENGTH "L" PER DWG. NO. 16

△ ALL JOINTS WITHIN LIMITS
TO BE RESTRAINED WITH
FIELD LOK 350® OR MJ FIELD LOK®

**RESTRAINT STANDARDS (4-16")
VERTICAL OFFSET**



1. ALL BUTTRESSING PER DWG. NO. 7
 2. ALL ANCHOR BLOCKS PER DWG. NO. 10
 3. RESTRAINED LENGTH "L" PER DWG. NO. 16
- △ 2. ALL JOINTS WITHIN LIMITS
TO BE RESTRAINED WITH
FIELD LOK 350® OR MJ FIELD LOK®



Street Restoration Standards



January, 2002

Approved: Board of Public Works 02/14/02
Common Council 02/20/02

ORDINANCE NO. 2369

AN ORDINANCE REPEALING AND RECREATING SECTION 9.04 OF THE
GREENFIELD MUNICIPAL CODE REGARDING OCCUPANCY OF RIGHTS-OF-WAY

The Common Council of the City of Greenfield do ordain as follows:

PART I. Section 9.04 of the Greenfield Municipal Code is hereby repealed and recreated to read as follows:

(1) GENERAL PROVISIONS

(a) Purpose and Findings. In the exercise of governmental functions the City has priority over all uses of the public rights-of-way. The City desires to anticipate and minimize the number of obstructions and excavations taking place therein and to regulate the placement of facilities in the rights-of-way to ensure that the rights-of-way remain available for public services and safe for public use. The taxpayers of the City bear the financial burden for the upkeep of the rights-of-way and a primary cause for the early and excessive deterioration of its rights-of-way is the frequent excavation by persons who locate facilities therein.

The City finds increased use of the public rights-of-way and increased costs to the taxpayers of the City and that these costs are likely to continue into the foreseeable future.

The City finds that occupancy and excavation of its rights-of-way causes costs to be borne by the City and its taxpayers, including but not limited to:

1. Administrative costs associated with public right-of-way projects, such as registration, permitting, inspection and supervision, supplies and materials.
2. Management costs associated with ongoing management activities necessitated by public right-of-way users.
3. Repair or restoration costs to the roadway associated with the actual excavation into the public right-of-way.
4. Degradation costs defined as depreciation caused to the roadway in terms of decreased useful life, due to excavations into the public rights-of-way.

In response to the foregoing facts, the City hereby enacts this ordinance relating to administration of and permits to excavate, obstruct and/or occupy the public rights-of-way. Pursuant to the provisions of state statute 196.58 this ordinance imposes reasonable regulations on the placement and maintenance of equipment currently within its rights-of-way or to be placed therein at some future time. It is intended to complement the regulatory roles of state and federal agencies.

The purpose of this ordinance is to provide the City a legal framework within which to regulate and manage the public rights-of-way, and to provide for recovery of the costs incurred in doing so. This ordinance provides for the health, safety and welfare of the residents of the City as they use the rights-of-way of the city, as well as to ensure the structural integrity of the public rights-of-way.

(b) Definitions. The following definitions apply in this ordinance. References hereafter to "sections" are unless otherwise specified references to sections in this ordinance. Defined terms remain defined terms whether or not capitalized.

"Applicant" means any person requesting permission to excavate, obstruct and/or occupy a right-of-way.

"City" Shall mean the City of Greenfield, Wisconsin, a Wisconsin municipal corporation.

"Degradation" means the decrease in the useful life of the paved portion of the right-of-way, excluding the sidewalk right-of-way, caused by an excavation of the right-of-way, resulting in the need to reconstruct such right-of-way earlier than would be required if the excavation did not occur.

"Department" means the Engineering Department of the City.

"Emergency" means a condition that (1) poses a clear and immediate danger to life or health, or of a significant loss of property; or (2) requires immediate repair or replacement in order to restore service to a customer.

"Engineer" means the City Engineer or his/her designee.

"Excavate" means to dig into or in any way remove or physically disturb or penetrate any part of a right-of-way.

"Facilities" means all equipment owned, operated, leased or subleased in connection with the operation of a service or utility service, and shall include but is not limited to poles, wires, pipes, cables, underground conduits, ducts, manholes, vaults, fiber optic cables, lines and other structures and appurtenances.

"In", when used in conjunction with "right-of-way", means over, above, within, on or under a right-of-way.

"Local representative" means a local person or persons, or designee of such person or person, authorized by a registrant to accept service and to make decisions for that registrant regarding all matters within the scope of this Chapter.

"Obstruct" means to place any object in a right-of-way so as to hinder free and open passage over that or any part of the right-of-way.

"Performance Bond" means a bond, or cash deposit posted to ensure the availability of sufficient funds to assure that right-of-way excavation repair work or right-of-way excavation restoration work is completed in both a timely and quality manner, per Department specifications.

"Permittee" shall mean any Person to whom a permit to occupy, excavate or obstruct a Right-of-Way has been granted by the City under Chapter 9 of the ordinances.

"Person" shall mean corporation, company, association, firm, partnership, limited liability company, limited liability partnership and individuals and their lessors, transferees and receivers.

"Public Utility" has the meaning provided in Wis Stats 196.01(5).

"Registrant" means any person who has registered with the City to have its facilities located in any right-of-way.

"Repair" means to perform construction work necessary to make the right-of-way useable for travel according to Department specifications, or to restore equipment to an operable condition.

"Restore or Restoration" means the process by which an excavated right-of-way and surrounding area, including pavement and foundation is reconstructed, per Department specifications.

"Right-of-Way" means the surface and space above and below an improved or unimproved public roadway, highway, street, bicycle lane and public sidewalk in which the City has an interest, including other dedicated rights-of-way for travel purposes.

(c) Administration. The Engineer or his/her designee is responsible for the administration of the rights-of-way, and the permits and ordinances related thereto.

(2) REGISTRATION FOR RIGHT-OF-WAY OCCUPANCY.

(a) Each person who has, or seeks to have, facilities located in any right-of-way shall register with the Department and pay the fee set forth in Section 9.04(4). Registration will consist of providing application information and paying a registration fee. This section shall not apply to those persons who have facilities in the right-of-way pursuant to a franchise or other agreement.

(b) No person may construct, install, maintain, repair, remove, relocate or perform any other work on, or use any equipment or any part thereof in any right-of-way unless that person is registered with the Department.

(c) Nothing herein shall be construed to repeal or amend the provisions of a City ordinance requiring persons to plant or maintain the tree lawn in the area of the right-of-way between their property and the street curb or pavement, construct sidewalks or driveways or other similar activities. Persons performing such activities shall not be required to obtain any permits under this Chapter.

(3) REGISTRATION INFORMATION. The information provided to the Department at the time of registration shall include, but not be limited to:

(a) Each registrant's name, Diggers Hotline registration certificate number, address and e-mail address, if applicable, and telephone and facsimile numbers.

(b) The name, address and e-mail address, if applicable, and telephone and facsimile numbers of a local representative. The local representative or designee shall be available at all times. Current information regarding how to contact the local representative in an emergency shall be provided at the time of registration.

(c) A certificate of insurance on a form acceptable by the Department.

(d) If the registrant is a corporation, a LLC or LLP, a copy of any certificate required to be filed under Wisconsin Statutes as recorded and certified by the Secretary of State.

(e) A copy of the registrant's certificate of authority from the Wisconsin Public Service Commission or other applicable state or federal agency, where the person is lawfully required to have such certificate from said commission or other state or federal agency.

(f) Execution of an indemnification agreement in a form prescribed by the Department.

(g) The registrant shall keep all of the information listed above current at all times by providing to the Department information as to changes within fifteen (15) working days following the date on which the registrant has knowledge of any change.

(4) REGISTRATION FEE. The Department shall charge an annual Registration fee in an amount of \$75 to recover the costs incurred by the City for processing and updating registration information.

(5) REPORTING OBLIGATIONS. It is in the best interests of all affected parties to attempt to coordinate construction in the public right-of-way whenever it is reasonably possible. Therefore, periodic reporting by the registrant of known construction plans will be useful to achieve this objective.

(a) Every registrant shall, at the time of registration and no later than January 1 of each year, file a construction and major maintenance plan with the Department. The plan shall include, but shall not be limited to, the following information:

1. The locations and the estimated beginning and ending dates of all projects planned to be commenced during the next calendar year; and

2. The tentative locations and estimated beginning and ending dates for all projects contemplated for the two years following the next calendar year.

(6) PERMIT TO EXCAVATE IN RIGHT-OF-WAY REQUIRED.

(a) Excavation Permit Required. Except as otherwise provided in this Chapter or other Chapters of the Greenfield Municipal Code, no person shall excavate any right-of-way without first having obtained an excavation permit from the Department. A copy of any permit issued under this Chapter shall be made available at all times by the Permittee at the indicated work site and shall be available for inspection by the Department upon request.

(b) Excavation Permit Application. Application for a permit shall be made to the Department. Permit applications shall contain, and will be considered complete only upon compliance with the requirements of the following provisions:

1. Registration with the Department if required by this Chapter.

2. Submission of a completed permit application form, including all required attachments, and scaled drawings showing the location and area of the proposed project and the location of all existing and proposed facilities that are part of applicant's proposed project.

3. Payment of all money due to the City for:

a. applicable permit fees and costs as set forth below;

b. subject to section 9.04(6)(b)5., unpaid fees or costs due to prior excavations; or

c. subject to section 9.04(6)(b)5., any loss, damage, or expense suffered by the City because of applicant's prior excavations of the rights-of-way or any emergency actions taken by the City.

4. Execution of a Performance Bond. A performance bond binding the applicant, as principal, and a corporate surety licensed to do business in this State, as surety, to the City in a sum equal to the amount of the work to be done, the condition of the bond being that the applicant will perform and fully complete, in a workmanlike manner, all work for which any permit is issued during the term of the bond in accordance with State laws and City ordinances. The applicant shall reimburse the City for all damages to City property resulting from his work regardless of whether such damage is done by himself, his agents, employees or subcontractors.

5. The Department shall not deny an applicant an excavation permit because of a dispute between the City and the applicant, related to Section 9.04(6)(b)3.a. or c. if;

a. the dispute has been adjudicated in favor of the applicant;

b. the dispute is the subject of any appeal filed by the applicant and no decision in the matter has yet been rendered.

(7) EXCAVATION PERMIT FEE. The Excavation Permit Fee shall be established by the Department in an amount sufficient to recover the costs incurred by the City. This fee shall recover administrative and inspection costs, as well as degradation costs should the permittee choose to repair rather than restore the right-of-way. Payment of said fees shall be collected prior to issuance of the permit. However, the Engineer may, with the advice and consent of the Finance Director, establish a fee collection process from governmental agencies and private utilities in order to expedite the permitting system and recognize that certain excavations are deemed emergencies.

(a) Waiving of Fees. Fees shall not be waived unless the work involved is a direct result of the Engineer's demand that a plant owned by a utility be improved or relocated or unless waived by the Board of Public Works on appeal.

(b) Fee Schedule. The minimum fee for each excavation permit shall be forty dollars (\$40); plus an additional ten dollars (\$10) per 100 square feet for excavation and thirty cents (\$.30) per lineal foot for boring. Excavation permits for utility work in new subdivisions and within the limits of public works projects, where the work is undertaken prior to the installation of pavement, shall only be charged the minimum fee. The fee for a permit issued after commencing work, except in cases of emergency as determined by the Engineer, shall be double the fees set forth herein. This permit fee shall be in addition to any forfeiture provided elsewhere in this ordinance.

For those permit applications which provide for a substantial undertaking of excavation within the public right-of-way attended by disruption of the general public and traffic, the Engineer is authorized to assess the actual cost of the City employee's time engaged in the review and inspection of the anticipated work multiplied by a factor determined by the respective department to represent the City's cost for statutory expenses, benefits, insurance, sick leave, holidays, vacation and similar benefits, overhead and supervision, said factor not to exceed 2.0, plus the cost of mileage reimbursed to City employees which is attributed to the work, plus all consultant fees associated with the work at the invoiced amount plus fifteen percent (15%) for administration. The Department may require a cash deposit with the permit application against which these charges may be drawn.

(c) City Exemption. The City and its contractors shall not pay degradation fees for excavations due to general government functions.

(d) Permit fees paid for a permit that the Department has revoked are not refundable.

(8) RIGHT-OF-WAY REPAIR/RESTORATION.

(a) The Permittee shall be required to repair the public right-of-way to Department specifications, subject to inspection and acceptance by the Department, and to pay a degradation fee, as per Section 9.04(8)(d), unless the Permittee elects to restore the right-of-way pursuant to Section 9.04(8)(e). In addition to repairing its own work, the Permittee must repair the general area of work, and the surrounding areas, including the paving and its foundations, to the specifications of the Department. The City shall inspect the area of the work and accept the work when it determines that proper repair has been made, per City specifications.

(b) Guarantees. The Permittee guarantees its work and shall maintain it for thirty-six (36) months following its completion. During this period it shall, upon notification from the Department, correct all work to the extent necessary, using the method required by the Department. Said work shall be completed within ten (10) calendar days of the receipt of the notice from the department, not including days during which work cannot be done because of circumstances constituting force majeure.

(c) Failure to Repair/Restore. If the Permittee fails to repair/restore the right-of-way in the manner and to the condition required by the Department, or fails to satisfactorily and timely complete all work required by the Department, the Department at its option may do such work. In said event the Permittee shall pay to the City, within thirty (30) days of billing, the cost of repairing/restoring the right-of-way.

(d) Degradation. The general formula for computing the degradation fee shall be the cost per square yard for street, overlay and seal coat multiplied by the appropriate depreciation rate for that street multiplied by the area of the patch. The area of the patch shall be calculated by adding one foot to each side for the actual street cut. Degradation fee schedule to be provided by the Department.

(e) Restoration in Lieu of Repair and Degradation. Unless otherwise ordered by the Department the Permittee may elect to restore the excavation and surrounding pavement in lieu of repair and a degradation fee. The restoration shall be in accordance with the Standard Specifications for Public Works Construction and the plans and specifications of the Department. The Permittee shall then also comply with Section 9.04(8)(b) and (c).

(9) INSPECTION.

(a) Notice of Completion. When the work under any permit hereunder is begun and completed, the Permittee shall notify the Department.

(b) Site Inspection. Permittee shall make the work site available to the Department, designees of the City, and to all others as authorized by law for inspection at all reasonable times during the execution of and upon completion of the work.

(c) Authority of City. At the time of inspection the City may order the immediate cessation of any work which poses a threat to the life, health, safety or well being of the public. The City may issue a cessation order to the registrant or Permittee for any work that does not conform to the applicable City standards, conditions or codes. The order shall state that failure to correct the violation will be cause for revocation of the permit. Within ten (10) days after issuance of the order, the registrant or Permittee shall present proof to the Department that the violation has been corrected. If such proof has not been presented within the required time, the Department may revoke the permit pursuant to Section 9.04 (12).

(10) ONGOING MANAGEMENT FEES.

The cost of trimming trees around facilities is an ongoing cost to the City. The specific cost will be determined and a fee to offset those costs may be assessed in the future.

(11) COMPLIANCE WITH OTHER LAWS. Obtaining a permit to excavate and/or occupy the right-of-way does not relieve Permittee or its duty to obtain all other necessary permits, licenses, and authority and to pay all fees required by any other City, County, State, or Federal rules, laws or regulations. A permittee shall comply with all requirements of local, state and federal laws. A permittee shall perform all work in conformance with all applicable codes and established rules and regulations, and is responsible for all work done in the right-of-way pursuant to its permit, regardless of who does the work.

(12) REVOCATIONS, SUSPENSIONS, REFUSALS TO ISSUE OR EXTEND PERMITS.

(a) The Department may refuse to issue a permit or may revoke, suspend or refuse to extend an existing permit if it finds any of the following grounds:

1. The applicant or Permittee is required to be registered and has not done so;
2. Issuance of a permit for the requested date would interfere with an exhibition, celebration, festival or other event;
3. Misrepresentation of any fact by the applicant or Permittee;
4. Failure of the applicant or Permittee to maintain required bonds and/or insurance;
5. Failure of the applicant or Permittee to complete work in a timely manner;
6. The proposed activity is contrary to the public health, safety or welfare;
7. The extent to which right-of-way space where the permit is sought is available;
8. The competing demands for the particular space in the right-of-way;
9. The availability of other locations in the right-of-way or in other rights-of-way for the facilities of the Permittee or applicant;
10. The applicability of ordinances or other regulations of the right-of-way that affect location of facilities in the right-of-way;

(b) Discretionary Issuance. The Department may issue a permit where issuance is necessary (a) to prevent substantial economic hardship to a customer of the Permittee or applicant, or (b) to allow such customer to materially improve its utility service, or (c) to allow the Permittee or applicant to comply with state or federal law or city ordinance or an order of a court or administrative agency.

(c) Appeals. Any person aggrieved by a decision of the Department revoking, suspending, refusing to issue or refusing to extend a permit may file a request for review with the Board of Public Works. A request for review shall be filed within ten (10) days of the decision being appealed. Following a hearing, the Board of Public Works may affirm, reverse or modify the decision of the Department.

(13) WORK DONE WITHOUT A PERMIT.

(a) Emergency Situations. Each registrant shall immediately notify the City by verbal notice on an emergency phone number provided by the City of any event regarding its facilities that it considers to be an emergency. The registrant may proceed to take whatever actions are necessary to respond to the emergency. Within two business days after the occurrence of the emergency the registrant shall apply for the necessary permits, pay the fees associated therewith and otherwise fully comply with the requirements of this Chapter.

If the City becomes aware of any emergency regarding a registrant's facilities, the City may attempt to contact the local representative of each registrant affected, or potentially affected, by the emergency. The City may take whatever action it deems necessary to protect the public safety as a result of the emergency, the cost of which shall be borne by the registrant whose facilities occasioned the emergency.

(b) Non-Emergency Situations. Except in an emergency, any person who, without first having obtained the necessary permit, excavates a right-of-way must subsequently obtain a permit, and shall in addition to any penalties prescribed by ordinance, pay double the normal fee for said permit, pay double all the other fees required by this Chapter or other Chapters of the Greenfield General Ordinances, deposit with the Department the fees necessary to correct any damage to the right-of-way and comply with all of the requirements of this chapter.

(14) LOCATION OF FACILITIES.

(a) Undergrounding. Unless in conflict with state or federal law, except when existing aboveground facilities are used, the installation of new facilities and replacement of old facilities shall be done underground or contained within buildings or other structures in conformity with applicable codes.

(b) Limitation of Space. The Department may prohibit or limit the placement of new or additional facilities within the right-of-way if there is insufficient space to accommodate all of the requests of persons to occupy and use the right-of-way. In making such decisions, the Department shall strive to the extent possible to accommodate all existing and potential users of the right-of-way, but may prohibit or limit the placement of new or additional facilities when required to protect the public, health, safety or welfare.

(c) Attachment to Bridges. Whenever an applicant or Permittee under this section requests permission to attach pipes, conduits, cables or wires to any City bridge structure, the applicant shall pay a fee of \$1,000 upon the granting of such permission to help defray administrative expense in the analysis and inspection of such installation. The owner of such pipes, conduits, cables or wire shall not be entitled to compensation for removal or relocation of the same in the case of repair, removal, or replacement of said bridge structure by the City.

(15) RELOCATION OF FACILITIES. Except as prohibited by State or Federal law, a registrant must promptly and at its own expense, with due regard for seasonal working conditions, permanently remove and relocate its facilities in the right-of-way whenever the City requests such removal and relocation, and shall restore the right-of-way to the same condition it was in prior to said removal or relocation. The City may make such request to prevent interference by the Company's facilities with (i) a present or future City use of the right-of-way, (ii) a public improvement undertaken by the City, (iii) an economic development project in which the City has an interest or investment, (iv) when the public health, safety and welfare require it, or

(v) when necessary to prevent interference with the safety and convenience of ordinary travel over the right-of-way.

Notwithstanding the foregoing, a person shall not be required to remove or relocate its facilities from any right-of-way which has been vacated in favor of a nongovernmental entity unless and until the reasonable costs thereof are first paid to the person therefore.

(16) INTERFERENCE WITH OTHER FACILITIES DURING MUNICIPAL CONSTRUCTION. When the City performs work in the right-of-way and finds it necessary to maintain, support, shore, or move a registrant's facilities, the city shall notify the local representative. The registrant shall meet with the City's representative within twenty-four (24) hours and coordinate the protection, maintenance, supporting and/or shoring of the registrant's facilities. The registrant shall accomplish the needed work within seventy-two (72) hours, unless the City agrees to a longer period.

In the event that the registrant does not proceed to maintain, support, shore or move its facilities within the timeframe set by the City, the City may arrange to do the work and bill the registrant, which bill shall be paid within thirty (30) days.

(17) ABANDONED FACILITIES.

(a) Discontinued Operations. A registrant who has determined to discontinue its operations in the City or if the City has determined the registrant to have discontinued its operations, must either:

1. Provide information satisfactory to the Department that the registrant's obligations for its facilities under this Chapter have been lawfully assumed by another registrant; or

2. Submit to the Department a proposal and instrument for dedication of its facilities to the City. If a registrant proceeds under this clause, the City may, at its option:

a. accept the dedication for all or a portion of their facilities; or

b. require the registrant, at its own expense, to remove their facilities in the right-of-way; or

c. require the registrant to post a bond or provide payment sufficient to reimburse the City for reasonably anticipated costs to be incurred in removing the facilities.

However, any registrant who has unusable and abandoned facilities in any right-of-way shall remove it from that right-of-way within one year, unless the Department waives this requirement.

(b) Abandoned Facilities. Facilities of a registrant which fail to comply with Section 9.04(17)(a)1., and which, for two (2) years, remains unused shall be deemed to be abandoned. Abandoned facilities are deemed to be a nuisance. In addition to any remedies or rights it has at law or in equity, the City may at its option (i) abate the nuisance, (ii) take possession of the facilities, or (iii) require removal of the facilities by the registrant, or the registrant's successor in interest with the costs and expenses of any action to be assessed against the registrant or its successor.

(c) Public Utilities. This section shall not apply to a public utility, as defined by Section 196.01(5), Wis. Statutes, that is required to follow the provisions of Section 196.81, Wis. Statutes.

(18) RESERVATION OF REGULATORY AND POLICE POWERS. The City, by the granting of a permit to excavate, obstruct and/or occupy the right-of-way, or by registering a person under this Chapter does not surrender or to any extent lose, waive, impair, or lessen the lawful powers and rights, which it now has or may hereafter acquire under the Constitution and statutes of the State of Wisconsin to regulate the use of the right-of-way by the permittee; and the permittee by its acceptance of a permit to excavate, obstruct and/or occupy the right-of-way or of registration under this Chapter agrees that all lawful powers and rights, regulatory powers, or police power, or otherwise as are or the same may be from time to time vested in or reserved to the City, shall be in full force and effect and subject to the regulatory and police powers of the City to adopt and enforce general ordinances necessary to the safety and welfare of the public and is deemed to agree to comply with all applicable general law, and ordinances enacted by the City pursuant to such powers.

(19) SEVERABILITY. If any section, subsection, sentence, clause, phrase, or portion of the Chapter is for any reason held invalid or unconstitutional by any court or administrative agency of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision and such holding shall not affect the validity of the remaining portions thereof.

(20) PENALTY. Any person who violates this ordinance or fails to comply with the provisions of this ordinance shall be subject to a forfeiture of not less than one hundred twenty dollars (\$120) nor more than six hundred dollars (\$600). Each day such violation or failure to comply continues shall be considered a separate offense.

PART II. All ordinances or parts of ordinances contravening the provisions of this ordinance are hereby repealed.

PART III. This ordinance shall take effect and be in force from and after its passage and publication.

ADOPTED December 5, 2000

Donna M. Rynders
Donna M. Rynders, City Clerk

APPROVED December 6, 2000

Timothy T. Seider
Timothy T. Seider, Mayor

Published: December 14, 2000

ORDINANCE NO. 2397

AN ORDINANCE CREATING SECTION 9.04 (21) OF THE
GREENFIELD MUNICIPAL CODE RELATING TO A POLICY MANUAL
REQUIRED FOR STREET RESTORATION STANDARDS

The Common Council of the City of Greenfield do ordain as follows:

PART I. Section 9.04(21) of the Greenfield Municipal Code is hereby created to read as follows:

"9.04(21) POLICY MANUAL ADOPTED. (a) The City of Greenfield Street Restoration Standards policy manual (dated January 2002), inclusive, and all amendments thereto, now and in the future, is adopted and incorporated in this chapter by reference and made a part of this chapter as though fully set forth herein.

(b) The City Engineer, the Director of Public Works and their respective delegated representatives are hereby authorized and directed to administer and enforce all of the provisions of said policy manual.

(c) The Board of Public Works shall recommend amendments to said policy manual for approval by the Common Council as necessary.

PART II. All ordinances or parts of ordinances contravening the provisions of this ordinance are hereby repealed.

PART III. This ordinance shall take effect and be in force from and after its passage and publication.

ADOPTED February 20, 2002

APPROVED February 21, 2002

Donna M. Rynders
Donna M. Rynders, City Clerk

Timothy T. Seider
Timothy T. Seider, Mayor

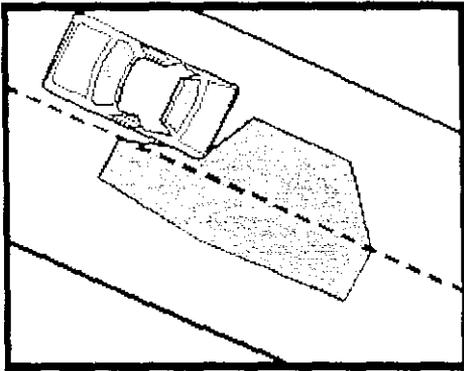
Published: February 28, 2002

CITY OF GREENFIELD
STREET RESTORATION STANDARDS
January, 2002

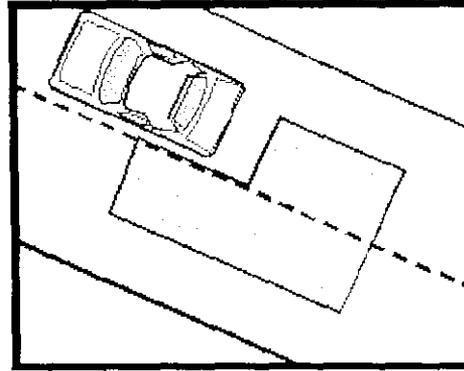
Section 1: Developing a "Quality" Approach to Street Repairs

- (1) General. Every street and street repair situation is unique. Design criteria and construction standards cannot address every situation but, in order to maintain some form of consistency, these standards have been developed. In most cases, they provide the minimum acceptable standards for construction or repair. Consequently, when strictly applied, they will provide the minimum acceptable product. Therefore, this criteria has been developed to maintain the same integrity of the street pavement and subsurface condition prior to its being cut for utility installations. To achieve the goal of "Quality" or "Excellence" in street repairs, then these criteria shall be viewed as guidelines when used in conjunction with good planning and judgment. This will restore the street to an acceptable condition with minimal patching failures. In most cases, it will be necessary to exceed the minimum standards to achieve a quality repair. Issues that shall be considered in a quality approach to street repairs are as follows (these criteria must all be balanced against the long-term maintenance needs of the utility).
 - A. Appearance. Does the final appearance of the street suggest the repairs were planned, or that they happened by accident?
 1. Consciously or not, the driving public "rates" the appearance of the street system, including street repairs, every day. Street repairs which are satisfactory from a functional point of view may produce a negative reaction from the public if they give the appearance of being poorly planned or executed.
 2. The public's perception of street repairs is based primarily on shape, size, and orientation -- the geometry of a patch. Here are some guidelines for the geometry of a quality patch:
 - a. Existing pavements should be removed to clean, straight lines parallel and perpendicular to the flow of traffic. Do not construct patches with angled sides and irregular shapes.

NOT ACCEPTABLE

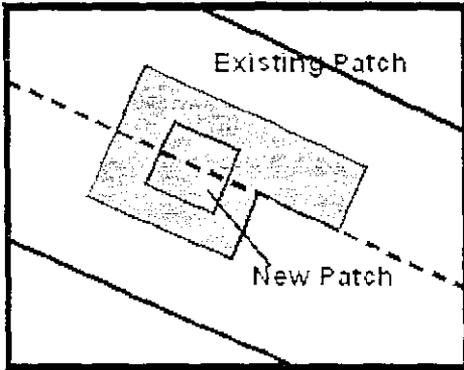


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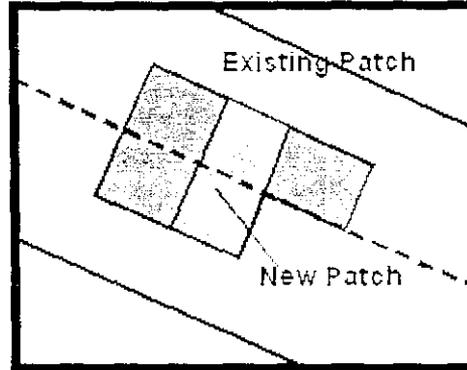


b. Avoid patches within existing patches. If this cannot be avoided, make the boundaries of the patches coincide.

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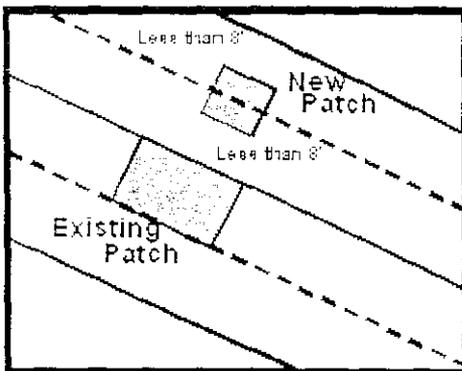


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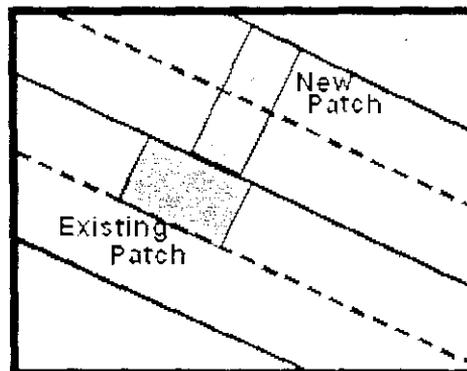


c. Do not "leave" strips of pavement less than one-half lane in width from the edge of the new patch to the edge of an existing patch or the lip of the gutter.

NOT ACCEPTABLE

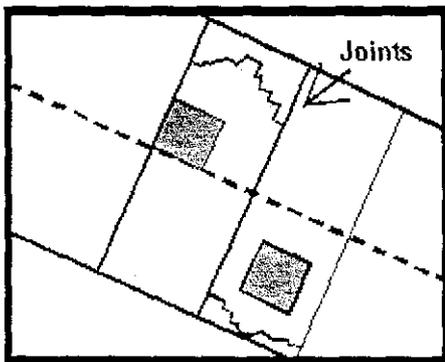


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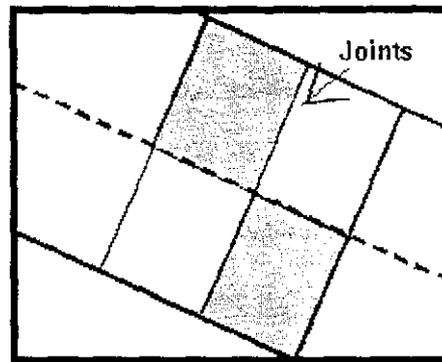


- d. In concrete pavements, remove sections to existing joints in the case of concrete in good repair. In damaged concrete, the limits of removal should be determined in the field by a representative of the Permitting agency. Tie-rods should be properly installed between old concrete and new concrete (6" minimum in each structure) spaced no more than 18" apart.

NOT ACCEPTABLE

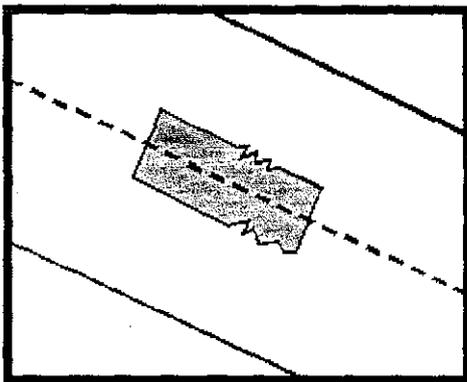


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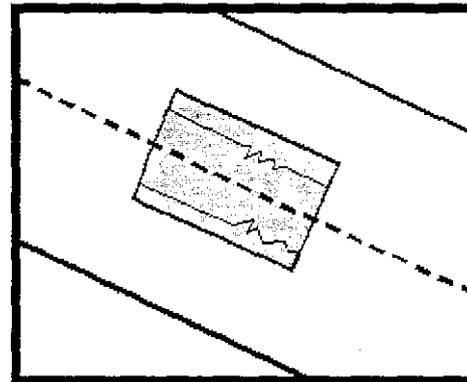


- e. Cutting or grinding - Avoid breaking away the edges of the existing pavement or damaging the remaining pavement with heavy construction equipment.

NOT ACCEPTABLE

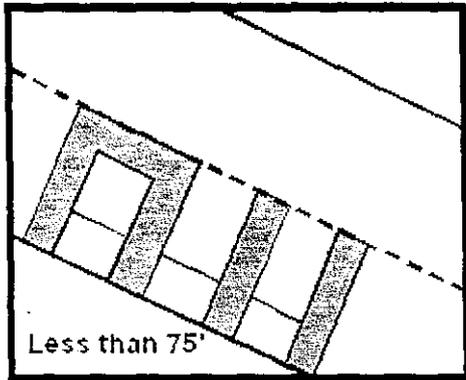


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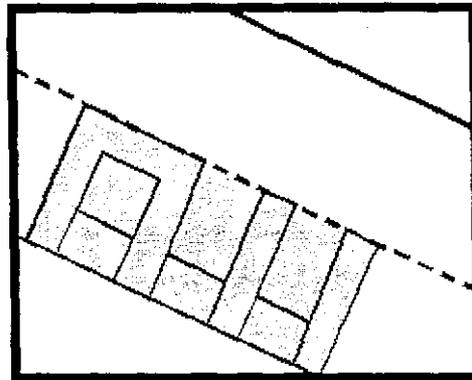


- f. In the case of a series of patches or patches for service lines off a main trench, repair the pavement over the patches by grinding and overlay when the spacing between the patches is less than 75 feet (in cases where the existing pavement is in poor condition and may require overlay within the next few years, this requirement may be modified or waived by the Permitting agency).

NOT ACCEPTABLE



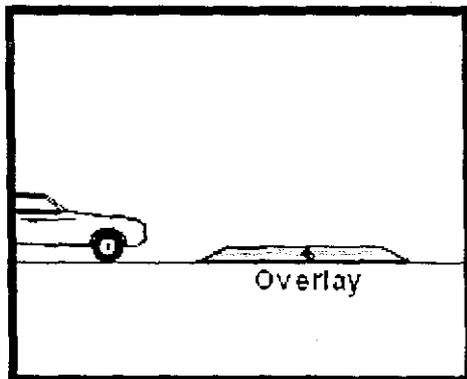
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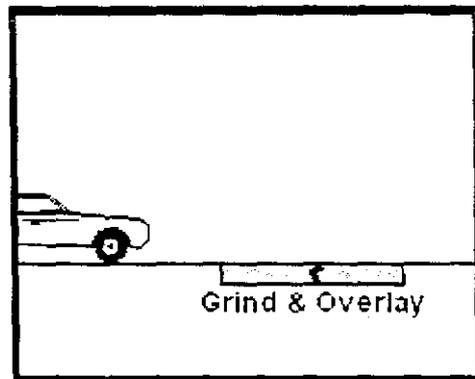
B. Rideability. Are the transitions on and off of the repair smooth? Does the patch itself offer a smooth ride? Are the joints located outside of the normal wheel path?

1. Completed street repairs should have rideability at least as good as, if not better than, the pavement prior to the repairs. A driver may be able to see a street repair, but in the case of a quality repair, he/she should not be able to "feel" it in driving normally down the street.
2. Do not place overlays with feathered edges on streets of any classification. Overlays should be placed by first removing the existing pavement to the desired depth by grinding, and then placing the pavement flush with the adjacent surfaces.

NOT ACCEPTABLE

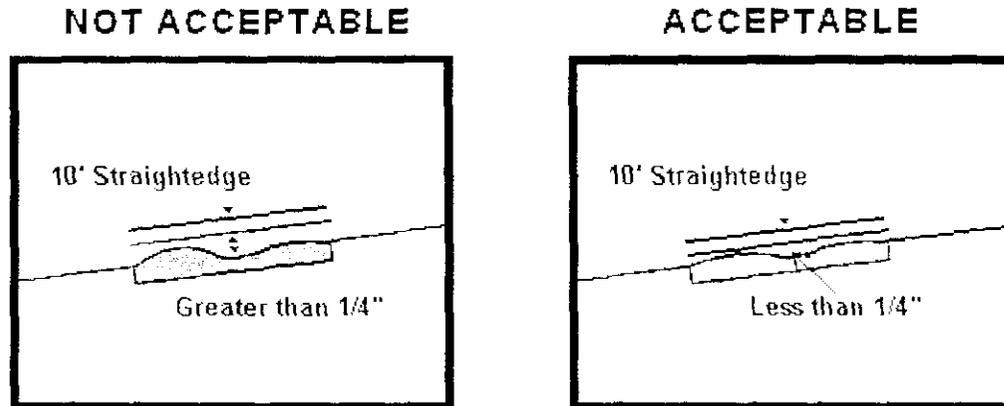


ACCEPTABLE



3. Surface tolerances for street repairs should meet the standard for new construction. That is, the finished surface of the street repair, when tested with a ten (10) foot straightedge parallel to the centerline or perpendicular across joints, will show variations

measured from the testing face of the straightedge to the surface of the street repair which do not exceed one-quarter (1/4) inch.



C. Pavement Management.

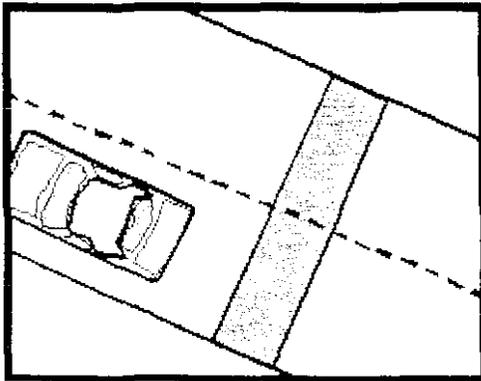
Is the repair consistent with the long-term pavement management strategy for the particular street?

1. Street repairs should leave a pavement in a condition at least as good as, if not better than, the condition prior to the repairs.
2. In most cases, and particularly in the cases of extensive excavation and repairs, it is desirable to survey the existing pavement condition with a representative of the City of Greenfield prior to the work. After completion of the work, survey the pavement condition again to verify that the pavement condition has been maintained or improved.
 - a. In the case of minor repairs, these pavement surveys can be made by visual observation.
 - b. However, in the case of major projects that involve excessive haul of materials or unusually heavy construction equipment or activity, non-destructive testing of the pavement condition before and after construction is required.
3. Consideration of pavement management issues may also identify opportunities for joint efforts between the utilities and the City of Greenfield. For example, suppose the repair of a utility line requires an overlay on half of a street, and that the condition of the remaining half of the street might also warrant an overlay. We may decide at that point to overlay the entire street, with City of

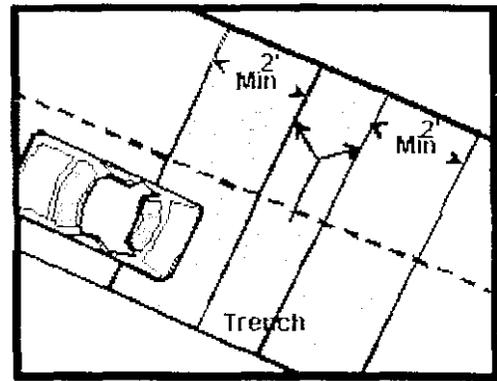
Greenfield' street authority and the utility splitting the cost of the overlay. In such a case, the utility may be able to save the cost of grinding half the street. The City of Greenfield' street authority will allocate a reasonable percentage of their annual overlay program to accommodate their share of these situations. This includes minor (2-3 block) maintenance projects and larger capital improvement projects. Coordination for these types of cooperative repairs should occur as far in advance of actual construction as possible.

- a. Transverse patches on arterial and collector streets shall be overlaid across the entire street width for a distance of two (2) feet minimum on all sides of the trench.

NOT ACCEPTABLE

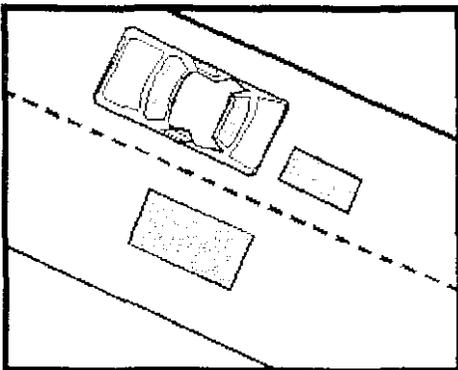


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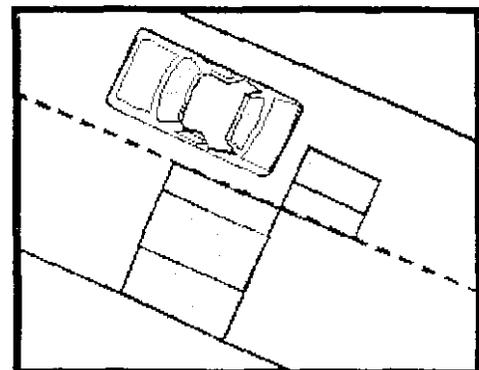


- b. Do not allow the edges of patches to fall in existing wheel paths. The edges of patches parallel to the direction of traffic shall be limited to the boundaries of lanes or to the centerline of travel lanes.

NOT ACCEPTABLE

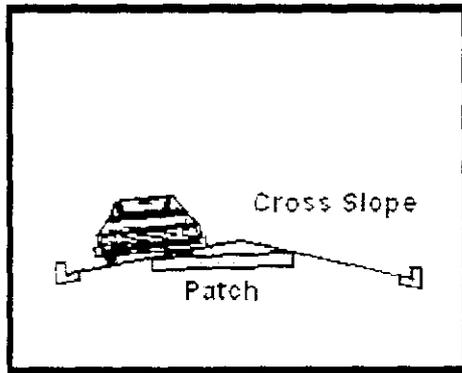


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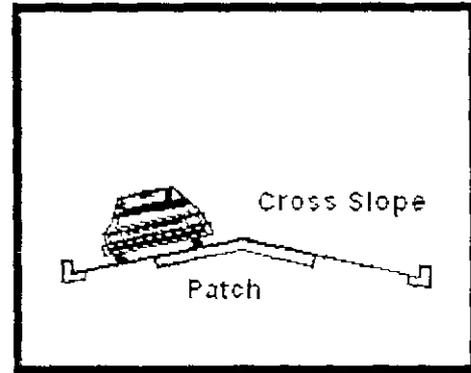


- c. Patches should have a smooth longitudinal grade consistent with the existing roadway. Patches should also have a cross slope or cross section consistent with the design of the existing roadway.

NOT ACCEPTABLE

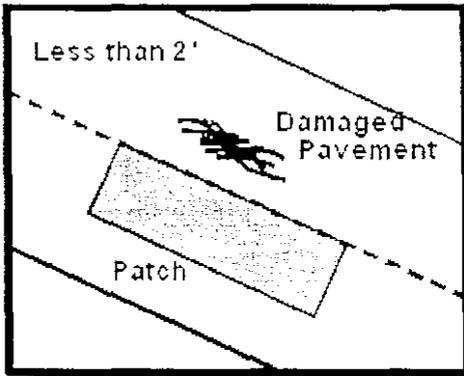


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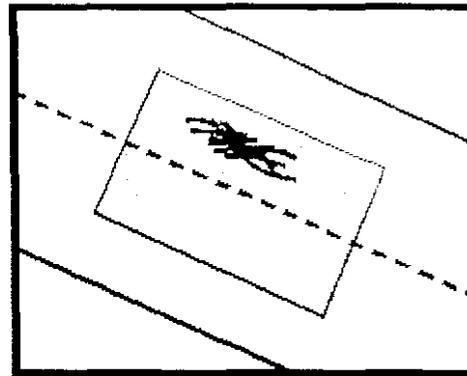


- D. Future Maintenance. Will the repair pose any future maintenance problems or make future maintenance more difficult?
 - 1. Excavations and street repairs, even well constructed street repairs, shorten a pavement's life. Several types of street distress, settlement, alligator cracking, and potholes, often show up around patches. Quality street repairs should attempt to reduce the occurrence of these types of distress.
 - 2. Avoid weakening or destroying the existing pavement around an excavation with heavy construction equipment, stockpiling or delivery of materials, etc. When damage does occur, remove the damaged pavement, extending the limits of the street repair, before replacing the pavement. Remember, no stockpiling of backfill or road building materials is permitted on the pavement.
 - a. When the proposed excavation falls within ten feet of a section of failed pavement, the failed area shall be removed to sound pavement and patched. Scarring, gouging, or other damaged pavement adjacent to a patch shall be removed and the pavement repaired.

NOT ACCEPTABLE

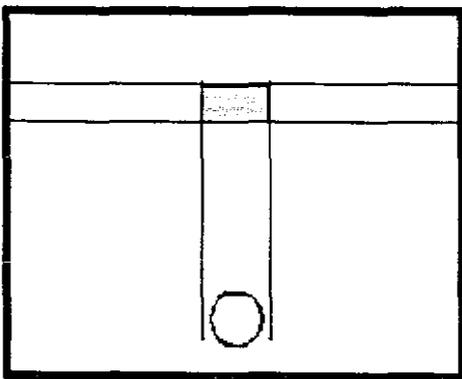


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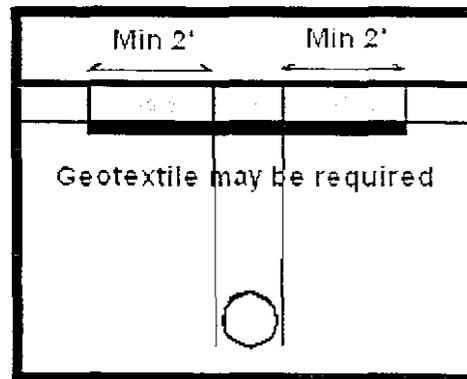


- b. In the case of older pavement where the likelihood of cracking and potholes next to the patch is greater, it may be necessary to extend the "shoulders" of the pavement beyond the two-foot minimum, and reinforce this area with a geotextile. "T" cutting is required for all repairs.

NOT ACCEPTABLE

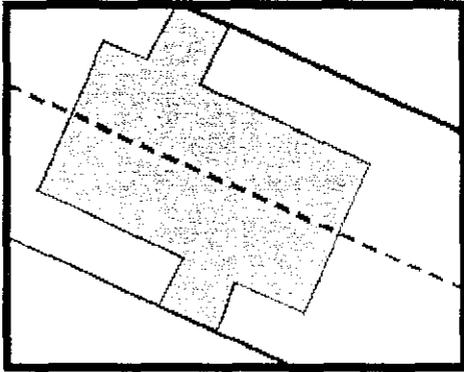


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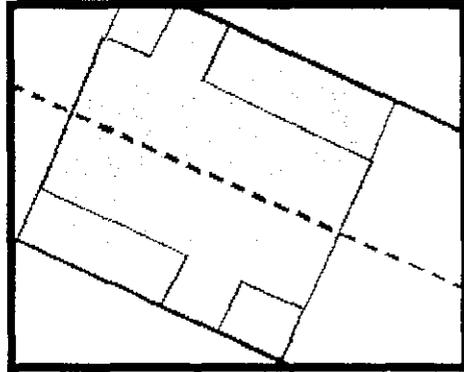


- c. For patches in asphalt, a tack coat shall be applied to all edges of the existing asphalt before placing the new pavement. After placing the new asphalt, all seams (joints) between the new and existing pavements shall be sealed with an asphalt tack coat or rubberized crack seal material.
- d. Avoid frequent changes in width of patches. For future maintenance, this simplifies removal of adjacent pavement failures.

NOT ACCEPTABLE



ACCEPTABLE



Section 2: Street Restoration Specification Guidance

(1) CONSTRUCTION DETAILS

- A. General Conditions. The following general conditions apply to all work done within the public rights-of-way such as utility line installation or repairs performed by any contractor or utility (the "contractor") public or private.
1. Protection of Existing Improvements
 - a. The Contractor shall at all times take proper precautions and be responsible for the protection of existing street and alley surfaces, driveway culverts, street intersection culverts or aprons, irrigation systems, mail boxes, driveway approaches, curb, gutter, terraces, and sidewalks and all other identifiable installations that may be encountered during construction.
 - b. The Contractor shall at all times take proper precautions for the protection of existing utilities, the presence of which are known or can be determined by field locations of the utility companies. The Contractor shall contact the Digger's Hotline for utility locates a minimum of three (3) working days prior to his proposed start of work.
 - c. Existing improvements to adjacent property such as landscaping, fencing, utility services, driveway surfaces, etc., that are not to be removed shall be protected from injury or damage resulting from the Contractor's operations.
 - d. The Contractor shall at all times take proper precautions for the protection of property pins/corners and survey control monuments encountered during construction. Any damaged or disturbed survey markers shall be replaced by a registered land surveyor at the Contractor's expense, and the Contractor shall promptly notify the permit agency.
 - e. The repair of any damaged improvements as described above shall be the responsibility of the permit holder.
 - f. The Contractor shall make adequate provisions to assure that traffic and adjacent property owners experience a minimum of inconvenience.

2. Temporary Surfaces Required. When the final surface is not immediately installed, it shall be necessary to place a temporary asphalt surface on any street cut opening. The temporary surface installation and maintenance shall be the responsibility of the Permittee until the permanent surface is completed and accepted. It shall be either a hot mix or cold mix paving material. Temporary surfaces shall be compacted, rolled smooth and sealed to prevent degradation of the repair and existing structures during the temporary period. Permanent patching shall occur within three (3) weeks except as outlined by the City of Greenfield in the Permit. All permanent street repairs delayed by winter weather shall be completed by May 15th of each year.
3. Pavement Patches. All permanent pavement patches and repairs shall be made with "in kind" materials. For example, concrete patches in concrete surfaces, full depth asphalt patches with full depth asphalt, concrete pavement with asphalt overlay patches will be expected in permanent "overlaid" concrete streets, etc. In no case is there to be an asphalt patch in concrete streets or concrete patch in asphalt streets. Any repair not meeting these requirements will be removed and replaced by the Contractor at his expense.
4. Work to be Done in Expedient Manner. All work shall be done in an expedient manner. Repairs shall be made as rapidly as is consistent with high quality workmanship and materials. Completion of the work including replacement of pavement and cleanup shall normally be accomplished within three (3) weeks after the repair work or activity involving the cut is done. Extension of time for completion shall be with the written approval of the permitting agency. If the repairs are not completed in the allotted time, the City of Greenfield has the right to repair the street at the Contractor's expense.
5. Removal and Replacement of Unsatisfactory Work. Removal and replacement of unsatisfactory work shall be completed within fifteen (15) days of written notification of the deficiency unless deemed an emergency requiring immediate action. In the event the replacement work has not been completed, the City of Greenfield will draw upon the contractor's deposit and/or take action upon the Contractor's bond to cover all related costs.

B. Excavation

1. Excavation shall consist of removal of all material necessary for the construction of the roadway section to the subgrade elevation, line, and grade shown on the plans or utility as specified in the contract documents. Unacceptable material defined as any earthen material containing

vegetable or organic silt, topsoil, frozen material, trees, stumps, certain man-made deposits, or industrial waste, sludge or landfill, or other undesirable materials will be categorized as "unclassified excavation" and removed from the site and disposed of in accordance with applicable City of Greenfield, State and Federal requirements. All tree stumps and roots shall be removed to a minimum of two (2) feet below subgrade. Unclassified excavation includes any and all earthen materials encountered, including rocks and boulders measuring greater than 9" in diameter, during construction.

2. Any work on trees, including roots, must be reviewed by the City of Greenfield.
3. Excavation shall be performed in a careful and orderly manner with due consideration given to protection of adjoining property, the public and workmen. Any damage to streets, parking lots, utilities, irrigation systems, plants, trees, building or structures or private property, or the bench marks and construction staking due to the negligence of the Contractor, shall be repaired and restored to its original conditions by the Contractor at his expense. Those areas that are to be saved will be clearly fenced off by the Contractor per the City and owner's instructions and it will be the Contractor's responsibility to ensure that these areas are not damaged during the construction process. Following completion of construction, should any of these trees, shrubs or irrigation facilities, etc. require replacement, it shall be done at the Contractor's expense.
4. All materials determined acceptable by the permitting agency acquired from roadway or utility excavations may be used for embankment fill and backfill as needed. The entire area in the vicinity of the construction where excavation and filling has been performed shall be raked clean of all trash, wood forms, and debris, after completion of the work with no additional cost to the City and/or Owner. Material removed in excavation and not acceptable or not required for embankment fill or backfill shall be disposed of by the Contractor. It shall not be wasted on private property without City approval and written permission of the property owner. Waste banks shall be left with reasonable smooth and regular surfaces.
5. Utility related construction, any repair activity, or other work within the street or alley rights-of-way shall be accomplished by open cut, jacking, boring, tunneling or a combination of these methods as approved by the permit. The permitting agency shall approve any change from the approved permit.
6. Trenches shall be excavated along the lines and grades established and in no case shall be more than two hundred (200) feet in length, or be

trenched or backfilled in non-continuous sections unless approved by the permitting agency. Failure by the Contractor to comply with these requirements may result in an order to stop the excavation in progress until compliance has been achieved.

7. All excavated material shall be stockpiled in a manner that does not endanger the work or workers and that does not obstruct sidewalks, streets and driveways. No stockpiled materials shall be allowed on the asphalt surface or adjacent walkways. The work shall be done in a manner that will minimize interference with traffic and/or drainage of the street. The Contractor at the end of each day shall barricade all excavations and ditch lines, remove excess material from travel ways, and thoroughly clean all street, alleys and sidewalks affected by the excavation. All streets, alleys (if asphalt or concrete) and sidewalks shall be swept or washed as required by the permitting agency.
8. Materials encountered during excavation such as rubbish, organic, or frozen material, and any other material that is not satisfactory for use as backfill in the opinion of the permitting agency, shall be removed from the site and disposed of daily by the Contractor at his expense. Stones, concrete or asphalt chunks larger than six (6) inches or frozen material shall be considered unsatisfactory backfill and removed by the Contractor.
9. All excavation, shoring and trenching, and the like shall comply with OSHA's "Construction Industry Standards" as well as all applicable Federal and State regulations.
10. No tracked vehicles shall be allowed on asphalt or concrete unless approved by the permitting agency.
11. Crossings under sidewalks or curbs may be made by tunneling only when approved. If the Contractor elects to remove a portion of the sidewalk or curb, the applicable City of Greenfield standards shall be followed for the replacment.
12. Grading shall be done as necessary to prevent surface water from entering the excavation; any other water accumulation therein shall be promptly removed. Surface drainage, driveways, fire hydrants, manholes, water valves, etc. of adjoining areas shall be unobstructed.
13. When soft or unstable material or rock is encountered in the trench subgrade that will not uniformly support the pipe, such material shall be excavated to additional depths directed by the permitting agency and backfilled with approved material.

- C. **Blasting.** The Contractor's blasting procedures shall conform to Federal, State, and local ordinances. The Contractor shall acquire all required permits prior to the start of blasting. Blasting for excavation will be permitted only after securing the approval of the permitting agency. The agency will fix the hours of blasting. The Contractor shall use the utmost care to protect life and property. All explosives shall be safely and securely stored in compliance with local laws and ordinances, and all storage places shall be clearly marked "Dangerous Explosives". No explosives shall be left unprotected where they could endanger life or property. When blasting in trenches, the Contractor shall cover the area to be shot with earth backfill or approved blasting mats. Prior to blasting, the Contractor shall station flaggers and provide signals of danger in suitable places to warn people and stop vehicles. The Contractor shall be responsible for all damage to property and injury to persons resulting from blasting or accidental explosions that may occur in connection with the use of explosives.
- D. **Equipment.** The use of trench digging equipment will be permitted in places where its operation will not cause damage to existing structures or features, in which case hand methods shall be employed.
1. No tracked vehicles shall be permitted on streets unless approved by the permitting agency. When tracked vehicles are allowed, existing facilities will be restored to original condition at the Contractor's expense.
 2. Construction equipment and material delivery routing will be made a condition of the Permit.
- E. **Dewatering.** Where ground water is encountered in the excavation, it shall be removed to avoid interfering with the work. It is the Contractor's responsibility to comply with any Federal, State and local permitting requirements prior to beginning any dewatering operations.
- F. **Removals**
1. **Streets, Paved.** Bituminous pavement shall be saw cut to clean, straight lines and should be perpendicular or parallel to the flow of traffic. In existing pavement, all excavations within 36" of the edge of the asphalt shall require removal and replacement from the edge of asphalt to the excavation edge. Concrete pavement, cross pans, driveways, streets and alleys shall be removed to neatly sawed edges cut to full depth.
 2. **Streets, Gravel.** When trenches are excavated in streets or alleys which have only a gravel surface, the Contractor shall replace such surfacing on a satisfactory compacted backfill with gravel conforming to the aggregate base course standard adopted by the City. Gravel replacement shall be

one (1) inch greater in depth to that which originally existed, but not less than four (4) inches. The surface shall conform to the original street grade. Where the completed surface settles, additional gravel base shall be placed and compacted by the Contractor immediately after being notified by the City of Greenfield, to restore the roadbed surface to finished grade. Some streets may have been treated with a special surface treatment to control dust and/or bind the aggregates together. In these cases the Contractor is responsible for installing the gravel surface in the same manner as what was existing. Such surface treatments shall be of the same chemical composition as what existed prior to the excavation work. The permitting agency shall note on the permit the surface treatment that will be required.

3. Concrete Curb, Gutter and Sidewalk. Concrete shall be removed to neatly sawed edges to full depth for sidewalks and curb and gutter and shall be saw cut in straight lines either parallel to the curb or perpendicular to the alignment of the sidewalk or curb. Any removal shall be done to the nearest joint. Replaced sections may require doweling connections if required by the permitting agency.

G. Backfill.

1. Flowable-Fill (Aggregate slurry). Flowable-Fill will be required as utility trench backfill for all trenches unless otherwise approved. Refer to restoration and testing sections for compaction requirements. This requirement applies to all pavement and gravel locations. Flowable-fill vibration may be required. The recommended mix for flowable-fill is shown below. Concrete backfill will not be allowed within the public right-of-way. Flash-fill may be used if approved. Refer to Section 6.43.8 or 6.43.9 of the Standard Specifications for Sewer and Water Construction in Wisconsin. Aggregate slurry or flash-fill shall be prohibited as a permanent street surface. Trenches shall initially be backfilled to the level of the original surface. After the flowable-fill has cured, the top surface of the flowable-fill shall be removed and the temporary or permanent surface shall be placed. Bridging and cutback requirements as described in these standards may still be required if the street failures indicate a clear need. Repair of failed trenches will be the responsibility of the party requiring the trench.
2. Conventional Backfill (Other Than Flowable Fill). When "non flowable-fill" backfill material has been pre-approved by the permitting agency, backfill in existing or proposed streets, curbs, gutters, sidewalks and alleys shall comply with the standards contained within Chapter 6.43.0, Bedding, Cover, Foundation, and Backfill materials of Standard Specifications for Sewer and Water Construction in Wisconsin.

3. Compaction Testing Requirements. See restoration and testing sections.
4. Embankment and Slopes.
 - a. The permitting agency shall approve all fill material.
 - b. All cut slopes shall conform to OSHA standards.

H. Restoration

1. Bore Holes - Vertical and Horizontal
 - a. For openings less than or equal to 6" in diameter, bore holes shall be filled with patching material (cold mix is not acceptable) to prevent entry of moisture. Patching material used shall be in all cases compatible with the existing surface. Subgrade shall be replaced with flowable fill (aggregate slurry) to provide necessary support to the surface. The sealing of bore holes is the responsibility of the Contractor or persons making the bore.
 - b. For openings greater than 6" in diameter, the limits of repair shall be identified in the permit.
 - c. The completed job shall be flush with the surrounding pavement and have no indentations, pockets, or recesses that may trap and hold water.
2. Subgrade. The subgrade for the pavement structure shall be graded to conform to the cross sections and profile required by the construction plans or current City road construction standards. Prior to the placement of aggregate base course or sub-course, the subgrade should be properly prepared. The subgrade should be scarified to a minimum depth of six (6) inches, moisture adjusted as necessary, and recompact to not less than the following:
 - a. For cohesive soils, 90% maximum Modified Proctor dry density at 2% of optimum moisture content, or 95% maximum Standard Proctor dry density at 2% of optimum moisture content.
 - b. For non-cohesive soils, 92% maximum Modified Proctor dry density at 2% of optimum moisture content, or 97% maximum Standard Proctor dry density at 2% of optimum moisture content.
 - c. For expansive soils, 88% maximum Modified Proctor dry density at 3% or greater above optimum moisture content, or 93% maximum

Standard Proctor dry density at 1% or greater above optimum moisture content. For highly expansive soils (swell potential 2% under 200 psf surcharge pressure), paving will not be permitted without a subgrade treatment approved by the permitting agency.

- d. Prior to approval to place the base or sub-base course, all utility main and service trenches shall be compacted to not less than the above referenced densities required for the given soil classification. This density requirement also applies to all utility trenches within the public rights-of-way from a point five (5) feet beyond the edge of asphalt and descending at 1:1 outward.
3. Asphalt Surfacing. Any damage, even superficial, to the existing asphalt surface in the vicinity of the work shall be repaired at the expense of the Contractor, including but not limited to gouges, scrapes, outrigger marks, backhoe bucket marks, etc. A slurry seal type covering will be considered the minimum repair. Patching may be required, at the discretion of the City of Greenfield.
 - a. The depth of asphalt patches in asphalt streets shall typically be the depth of the existing asphalt surface as specified by the permitting agency.
 - b. The asphalt patch area for street excavations that fall within the wheel path of the vehicular travel lane shall be increased in size to the center of the lane or adjacent lane. In no circumstance will the edge of a patch area be allowed to fall within the wheel path.
 - c. All street cuts shall be patched as per the guidelines contained in Section 1 and in item 4 below. In streets that are less than five (5) years old the City of Greenfield reserves the right to deny any street excavation or require repairs that are over and above these specifications.
 - d. Exceptions. There may be situations where the patching standards are considered inappropriate. For example, rebuilding half of a road today when we know the road is due for reconstruction at a different profile in 2-3 years. In these cases, the Permit Holder can provide a more modest patch adequate to accommodate traffic for the 2-3 year period. In addition, the Permit Holder may be required to make a financial contribution to the street maintenance, rehabilitation or reconstruction program to support the more permanent improvements that are anticipated. This determination shall be made by the Permitting agency.

- e. Dispute Resolution. In cases where agreement cannot be reached, the dispute shall not deter the Contractor from compliance to the specific Permit or guidelines provided by this document unless approved by the permitting agency.
4. Concrete Surfacing and Patching. The concrete pavement shall be replaced with 4,000 psi concrete to match the finish and thickness of the existing pavement, but not less than eight (8) inches thick. All concrete construction shall be protected from vehicular traffic, including contractor vehicles, until the concrete has achieved eighty (80) percent of its ultimate strength. Concrete shall be coated and sealed with a uniform application of membrane curing compound applied in accordance with manufacturer's recommendations. The use of high early concrete (3000 psi strength within 48 hours) shall be used on all arterial and collector streets when repair areas are less than 500 square feet or when temperatures are below 40° F. Quick curing concrete repairs may be opened to traffic within two (2) days or when the concrete has achieved eighty (80) percent of its ultimate strength. Where existing cracks or damage are adjacent to the area being repaired the repair area shall include the cracked or damaged concrete. Pavement repairs shall include all areas of damage, including leak test holes, pot holes, equipment and/or material scarring of the exiting surface. When repairing concrete, removal perimeter shall be sawcut and replacement concrete shall be doveled into the old concrete as directed by the permitting agency.
5. Joint Filling
- a. Asphalt. Following placement of the asphalt surface, the joints where the new asphalt abuts the old shall be sealed with an approved elastic type joint filler (hot-pour) as more fully described in the next paragraph.
 - b. Concrete. Joints shall be thoroughly cleaned of all foreign material then filled with a hot-poured elastic type joint filler conforming to Wisconsin Standard Specifications for Road and Bridges Section 415.2.5 or silicone sealants or others as approved by the permitting agency. Joint material shall be filled to within 1/2 inch of the surface. Excess material shall be scraped off to provide a smooth riding surface.

(2) TESTING

- A. Description. The contractor is required to provide material testing for each phase of the work and at no cost to the City of Greenfield when required by the City.

The Independent Geotechnical Testing Firm chosen to perform this work for the Contractor must be qualified and identified on the Permit application.

B. Testing Frequencies

1. The number of density tests required may be increased if directed by the permitting agency. The costs of any testing, as required, shall be borne by the Contractor. Proctors shall be determined prior to backfilling. Independent lab results shall be faxed to the City of Greenfield as soon as possible.
2. All tests must be submitted to the permitting agency on a daily basis as acquired and shall be hand delivered or faxed to the City of Greenfield.
 - a. Native or imported backfill - One (1) test for every two (2) vertical feet and every one hundred (100) feet horizontally, or some fraction thereof with at least one (1) test per each lift.
 - b. Aggregate slurry - Testing may be required at the discretion of the permitting agency.
 - c. Concrete pavement, curbs, gutters and sidewalks - Testing to be conducted for every 100 cubic yards or portion thereof, with a minimum of one. The types of testing required shall be as prescribed by the City of Greenfield.
 - d. Asphalt Pavement
 - (1) Asphalt content - One test per 500 tons or fraction thereof of mix produced, minimum of one test per job.
 - (2) Gradation - Aggregate: one test per 500 tons or fraction thereof of mix produced, minimum of one test per job.
 - (3) In-place density - One test per 500 tons or fraction thereof of mix placed, minimum of one test per job.
 - e. Aggregate base course materials -One test per 400 lane feet.

- C. Testing waived. The permitting agency may elect to waive the testing requirement in projects that will displace less than a total of 5 cubic yards of street pavement or earthen material.

(3) INSPECTION

All construction work within the public rights-of-way shall be subject to inspection by the permitting agency and certain types of work may have continuous inspection. It shall be the

responsibility of the contractor or his/her designee to provide safe access for the inspector to perform the required inspections. It shall be the responsibility of the person performing the work authorized by the Permit to notify the permitting agency or his authorized representatives that such work is ready for inspection. The permitting agency requires that every request for inspection is to be received at least forty-eight (48) hours before such inspection is desired. Such requests may be in writing or by telephoning or faxing the permitting agency. The permitting agency may make or require other inspections of any work as deemed necessary to ascertain compliance with the provisions of these Guidelines or the City of Greenfield' *Street Design and Construction Standards*, or Municipal Code. Any work performed without the required inspections shall be subject to removal and replacement at the Contractor's expense, regardless of the quality of the work. Where large scale projects exceed the ability of the City of Greenfield to provide inspection, the contractor or utility company will incur the cost of a private inspection firm. This inspection firm will be chosen by the City of Greenfield prior to issuance of the Permit.

(4) RESTORATION SPECIFICATIONS-SODDING

- A. Description. Sodding shall be required unless exempted by the permitting agency. This shall consist of preparing sod beds, furnishing and laying of live sod on the shoulders, slopes, ditches, or other locations as designated by the Engineer, the construction of sod ditch checks or similar appurtenances, furnishing and applying the required fertilizer, all in accordance with these specifications.
- B. Materials.
 - 1. Sod. The sod shall consist of a dense, well-rooted growth of permanent and desirable grasses, indigenous to the general locality where it is to be used, and shall be practically free from weeds or undesirable grasses. At the time the sod is cut, the grass on the sod shall have a length of approximately two (2) inches (if longer, the grass shall be cut to approximately this length) and the sod shall have been raked free from debris. The sod shall be cut in uniform strips approximately 18" x 72", but no longer than what can be easily handled. The sod strips shall be uniform in thickness; shall have no holes in them; shall be free of weeds, insects, and diseases; shall be uniformly green and not discolored due to drying or heating; and shall be moist. The thickness of the sod shall be uniform, approximately ¾ inch or more, depending on the nature of the sod, so that practically all of the dense root system of the grasses will be retained, but exposed, in the sod strip and so that the sod can be handled without undue tearing or breaking up. In the event the sod which is to be cut is in a dry condition as to cause crumbling or breaking during cutting operations, at least twelve (12) hours before cutting the sod, the Contractor, at no additional cost to the Municipality, shall apply water to

the sod in sufficient quantities to provide a well moistened condition of the sod to the depth to which it is to be cut.

2. Fertilizer. Fertilizer shall conform to the requirements set forth in Section C4 below.

C. Construction Methods.

1. Preparation of the earth bed. The area to be sodded shall have been previously constructed to the required cross section and contour, and the tops and bottoms of the slopes shall be rounded to a minimum four (4) foot radius curve. The areas to be sodded shall be free from stones, roots, or other undesirable foreign material. The soil on the area to be sodded shall be loosened and brought to a reasonably fine granular texture, to a depth of two (2) to three (3) inches, by means of equipment or hand methods adapted to the purpose.
2. Placing the sod. The earth bed upon which the sod is to be placed shall be moistened to the loosened depth, if not naturally sufficiently moist, and the sod shall be placed thereon within approximately twenty-four (24) hours after the same has been cut. Sod shall be laid so that the joints caused by abutting ends of sod strips are not continuous. Each sod strip shall be so laid as to abut snugly against the strip previously laid. As the sod is being laid it shall be rolled or firmly but lightly tamped with suitable wooden or metal tampers, sufficiently only to "set" or press the sod into the underlying soil. At points where water will flow over a sodded area, the upper edges of the sod strips shall be turned into the soil below the adjacent area and a layer of earth placed over this juncture, which earth shall be thoroughly compacted to conduct the surface water over the upper edge of the sod. At the limits of sodded areas, wherever practical or feasible, at the end strips shall be placed to effect a broken line, and ends of the strips shall be turned. Frozen sod shall not be placed, nor shall any sod be placed upon frozen soil.
3. Staking. On all slopes steeper than one (1) foot vertical to four (4) feet horizontal the sod shall be staked or pegged with pieces of plasterers' lath or stakes equivalent thereto, twelve (12) inches in length, spaced as required by the nature of the soil and steepness of slope, from 18 inches to 36 inches apart along the longitudinal axis of the sod strip. Stakes shall preferably be placed near the top edges of the sod strip and shall be driven approximately plumb through the sod to be almost flush with the sod. All sod placed in ditches, flumes, or other appurtenances, where a concentrated flow of water may be expected, shall be staked regardless of the slope. After the staking has been completed the surface shall be

cleared of loose sod, excess soil, or other foreign material, and the areas shall then be thoroughly moistened by sprinkling with water.

4. Fertilizing. When the fertilizing of areas to be sodded is required, the fertilizer shall be spread uniformly over the areas to be sodded at the rate of 17 pounds per 1,000 square feet of area unless otherwise specified in the Contract or directed by the City. The fertilizer shall be pulverized and free from lumps when applied. The fertilizer shall be incorporated into the areas to be sodded by light discing or harrowing.
5. Watering. All sodded areas shall be kept thoroughly moist by watering or sprinkling, when rainfall is deficient, for a minimum period of ten (10) days, or until proper growth is established, whichever is longer. In the event the sodded areas are subject to weed infestation, the Contractor shall remove the weeds by appropriate methods to ensure grass growth. Notwithstanding the above, the Contractor shall be required to provide and maintain a guaranteed growth for three (3) years after project completion.

(5) PROJECT COORDINATION

A. Coordination of Excavation Planning.

1. Non-Emergency Work. Every person who is responsible for the preparation of plans for non-emergency work in the right-of-way shall take reasonable action to learn the location of any existing facilities in and near the area where excavation is to be conducted, plan the excavation to avoid, to the extent possible, conflict or interference with existing facilities in and near the excavation area, and coordinate the excavation plans with the facility owners or operators.
2. Non-Emergency City Work. When the City plans non-emergency work in the right-of-way and finds it necessary to maintain, support, shore, or move a registrant's facilities, the City shall notify the local representative. The permittee shall meet with the City's representative within 3 days to plan and coordinate the protection, maintenance, supporting, or shoring of the registrant's facilities that will be required during excavation by the City. When the City excavation progresses near the registrant's facility, the City shall notify the registrant's local representative. The permittee shall accomplish any needed work within 72-hours, unless the City agrees to a longer period. In the event that the permittee does not proceed to maintain, support, shore, or move its facilities, the City may arrange to do the work and bill the permittee, said bill to be paid within thirty (30) days.
3. Emergency Work. In an emergency, every person shall take all reasonable precautions to avoid, and to the extent possible, conflict or interference

with existing facilities in and near an excavation area in public rights-of-way and shall notify as promptly as possible the owners or operators of facilities which may be affected by the emergency excavation.

4. Emergency City Work. When the City performs emergency work in the right-of-way and finds it necessary to maintain, support, shore, or move a registrant's facilities, the City shall notify the local representative. The permittee shall meet with the City's representative within 4-hours and coordinate the protection, maintenance, supporting, or shoring of the registrant's facilities. The permittee shall accomplish the needed work within 12-hours, unless the City agrees to a longer period.

DEGRADATION FEE SCHEDULE

Age of Street	Initial Pavement Depreciation			Age of Street	Pavement Overlay Depreciation		
	Arterial %	Collector %	Local %		Arterial%	Collector %	Local%
0	100	100	100	0	100	100	100
1	98	98	98	1	93	94	95
2	96	96	97	2	87	88	90
3	93	94	95	3	80	82	85
4	90	92	93	4	73	76	80
5	86	88	90	5	67	71	75
6	82	84	87	6	60	65	70
7	76	79	83	7	53	59	65
8	68	72	76	8	47	53	60
9	60	65	69	9	40	47	55
10	54	59	64	10	33	41	50
11	49	55	61	11	27	35	45
12	44	51	58	12	20	29	40
13	40	47	54	13	13	24	35
14	37	44	51	14	7	18	30
15	35	42	48	15	1	12	25
16	33	40	47	16		6	20
17	32	39	45	17		1	15
18	31	38	45	18			10
19	30	37	44	19			5
20	30	37	44	20			1
21	29	36	43				
22	28	36	43				
23	28	35	42	<u>Age of Street</u>	<u>Sealcoat Depreciation</u>		
24	27	35	42	<u>Street</u>	<u>Arterial %</u>	<u>Collector %</u>	<u>Local %</u>
25	27	34	41	0	100	100	100
26	27	34	41	1	100	100	100
27	27	33	40	2	88	86	86
28	26	33	40	3	72	72	72
29	25	31	37	4	58	58	58
30	24	29	34	5	44	44	44
31	22	27	32	6	30	30	30
32	21	25	29	7	16	16	16
33	19	23	26				
34	17	19	22				
35	14	16	18				
36	12	14	15				
37	10	11	12				
38	7	8	8	<u>Within Pavement (Excludes)</u>			
39	4	4	4	Street Reconstruction		\$400 Per 100 SF	
40	1	1	1	Pavement Overlay		\$157 Per 100 SF	
				Seal Coats		\$ 56 Per 100 SF	

Example Post Contract Award Letter

**Contractor X
XXXXXXXXXX, INC
(XXX)XXX-XXXX
XXXX Street
Somewhere, WI 5XXXX**

City of Milwaukee - Milwaukee Water Works Water Main Replacements

Project Locations

The City of Milwaukee has recently awarded our firm a water main replacement contract which includes the above projects. The City will provide you with another notice prior to work starting on your block.

This work will include removing pavement, excavating a trench, and installing a new water main. After pressure testing for leaks and disinfecting the pipe, the new water main will be connected to the system and your water service will be transferred.

Your water supply should be unaffected for the majority of the construction activities, but will be out of service when the new main is connected to the system and when your service pipe is connected to the new main. The Milwaukee Water Works will deliver notices prior to these planned "out of water" occurrences.

You will experience some disruption of your daily traffic patterns due to the project, but we will do our best to minimize them. We expect there to be no closures of either the street or access to driveways, however there will be special parking restrictions.

All of the work we will be performing is to be funded by the Milwaukee Water Works Capital Improvement budget, which is financed by water revenues. There will be no special assessments made to the abutting properties. The Milwaukee Water Works' primary mission is to protect customer health by delivering safe, potable water to your tap at an affordable price. Managing the assets of the utility is one of the methods of meeting our mission and water main replacement is necessary when a water main has reached the end of its useful life.

If you or someone in your household is in need of special accommodations or have any questions please call us at the number listed above.

**CITY OF MILWAUKEE, WISCONSIN
DEPARTMENT OF PUBLIC WORKS
LICENSED SURETY CORPORATION BID BOND**

KNOW ALL MEN BY THESE PRESENTS, That we,

.....

of
(Street and Number) (City) (State)

as principal and of
(Home Office)

as surety are held and firmly bound unto the City of Milwaukee, Wisconsin, hereinafter called City in
the penal sum of

..... Dollars,

to be paid to the City: its successors and assigns, for which payment well and truly to be made, we bind ourselves, and our heirs, executors, and, administrators, or successors and assigns, as the case may be, jointly and severally, firmly by these presents.

WHEREAS, the above bounden principal is making a proposal in writing dated
20, to the Commissioner of Public Works of the City, according to Official Notice No
20, of said Commissioner for furnishing all material, equipment, labor and everything necessary
for the completion of the work of...

according to plans, specifications and the other contract documents on file in the office of said Commissioner, a copy of which proposal is by reference made a part hereof, and the said proposal is accompanied with this bond.

NOW, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the above bounden principal shall execute the contract in quadruplicate, in accordance with the proposal as accepted, with approved licensed surety corporation bound thereto for the faithful performance and proper fulfillment

of such contract, and return the same to the office of the said Commissioner within the time limit specified in said proposal, then the above obligation shall be void, otherwise it shall be and remain in full force and effect.

In witness whereof, the above bounden parties have executed this instrument under their several seals at Milwaukee, Wisconsin, this day of 20, the name and corporate seal of each corporate party being hereto affixed and this instrument signed by its duly authorized representative.

Bidder Witnesses

..... (Seal)
(Bidder)

.....
By
.....
(Name and Title)

Surety Witnesses

.....
(Surety)

.....
By
.....
(Attorney-in-Fact or Agent)

(Seal of Surety)

Name of Surety Contact Person _____ and Phone Number _____
(Please Print)



Attachment 1: Start and Work Completion Notice

Utility Permit Start Work Notice

Provide all information and e-mail or fax to the utility permit coordinator or other region contact listed on the approved permit form **a minimum three working days** prior to the start of the work. When restoration is complete and ready for inspection, e-mail or fax to the same contact.

WisDOT Utility Permit Number:

SOUTHWEST REGION

Mark Goggin
mark.goggin@dot.wi.gov
Fax: 608-243-3380 Madison office
608-789-7896 La Crosse office

Utility Company:

Utility Job Number:

SOUTHEAST REGION

Ryan Schnurer
dotdsdseutilitypermits@dot.wi.gov
Fax: 262-548-6891

WisDOT Project Number:

NORTHEAST REGION

Project Location:

Ray Drake
ray.drake@dot.wi.gov
Fax: 920-492-0144
NE Utility Unit General E-Mail:
dotdsdneutilitycoordination@dot.wi.gov

Utility Contractor Contact Name and 24-Hour Number:

NORTH CENTRAL REGION

Traffic Control Provider and 24-Hour Number:

Keith Rutkowski – Wis Rapids office
keith.rutkowski@dot.wi.gov
Fax: 715-421-7300

Construction Start Date:

Terry Catlin – Rhinelander office
terry.catlin@dot.wi.gov
Fax: 715-365-5780

Construction Completion Date:

NORTHWEST REGION

Heather Dresel
HeatherL.Dresel@dot.wi.gov
Fax: 715-836-2807 Eau Claire office

Completion Notice

Restoration is complete and ready for inspection. File notices within **10 calendar days** of restoration completion. Restore within **two weeks** from completion of utility construction.

Restoration Completion Date:

APPLICATION / PERMIT

TO CONSTRUCT, OPERATE and MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY

s.66.0831, 84.08, 85.15, 86.07(2), 86.16, 182.017 and such other applicable Wis. Stats.

1. Applicant (Utility facility owner) Name and Address Carrie Lewis Superintendent Milwaukee Water Works 841 N. Broadway, Rm 409 Milwaukee, WI 53202		2. Work Start Date 3/17/2014	3. Work Finish Date* 4/11/2014	6. Location Description (1/4 section, section, town, range; provide plat map or location sketch) S.E.1/4 of S31; T8N; R21E N. Lovers Ln. (STH 100) - W. Hampton Av.	
9. Facility Type (Check all that apply): Size (Diameter, kV, pressure, # fibers, etc.) <input type="checkbox"/> Telecom: _____ <input type="checkbox"/> Electric: _____ <input type="checkbox"/> Gas/Oil: _____ <input checked="" type="checkbox"/> Water: 11' of 12", 7' of 6" <input type="checkbox"/> San Sewer: _____ <input type="checkbox"/> _____: _____ <input type="checkbox"/> Transmission <input type="checkbox"/> Service: Std <input checked="" type="checkbox"/> Distribution <input type="checkbox"/> Service: Exp		4. Is the work due to a WisDOT highway project? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7. Work Location (Check/list all that apply) <input type="checkbox"/> Town: _____ <input type="checkbox"/> Village: _____ <input checked="" type="checkbox"/> City: Milwaukee <input checked="" type="checkbox"/> County: Milwaukee	
10. Facility Orientation (Check all that apply) <input type="checkbox"/> Crossing R/W <input type="checkbox"/> Parallel R/W <input checked="" type="checkbox"/> Underground <input type="checkbox"/> Overhead <input type="checkbox"/> Structure attachment		5. Applicant Work Order (If any) WT410130752		8. Highway (Check all that apply) <input checked="" type="checkbox"/> WIS 100 <input type="checkbox"/> US _____ <input type="checkbox"/> Interstate _____ <input type="checkbox"/> _____	
11. Work Types (Check all that apply) <input type="checkbox"/> New construction <input checked="" type="checkbox"/> Improve/repair existing <input checked="" type="checkbox"/> Removal <input checked="" type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Discontinued, left in place <input type="checkbox"/> Joint installation		12. Proposed Work Methods (Check all that apply) <input checked="" type="checkbox"/> Trench <input type="checkbox"/> Plow <input type="checkbox"/> Casing <input type="checkbox"/> Rock blasting <input type="checkbox"/> Open cut pavement Bore: <input type="checkbox"/> Hydraulic (Auger/Jack) <input type="checkbox"/> Pneumatic (Mole) <input type="checkbox"/> Directional 1 (Manually tracked) <input type="checkbox"/> Directional 2 (Computer tracked) <input type="checkbox"/> Unknown (At this time) Attach to poles/towers: <input type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> Guys** (Diameter) (Name of existing owner) (** Provide details for all guy wires on plan sheets) Subsurface utility excavation: <input type="checkbox"/> Water jetting <input type="checkbox"/> Vacuum Tree/vegetation control: <input type="checkbox"/> Cut and/or trim <input type="checkbox"/> Mow <input type="checkbox"/> Chemically treat		13. Work Zone Description (Check all that apply) <input type="checkbox"/> Full road closure: detour <input type="checkbox"/> Full road closure: temporary <input checked="" type="checkbox"/> Lane closure: without flagging <input type="checkbox"/> Lane closure: with flagging <input type="checkbox"/> Lane encroachment (2 feet or less) <input type="checkbox"/> Intersection/roundabout <input checked="" type="checkbox"/> Shoulder/parking lane closure <input checked="" type="checkbox"/> Off shoulder: within clear zone <input type="checkbox"/> In R/W: outside clear zone <input type="checkbox"/> Near R/W line: within clear zone <input type="checkbox"/> Near R/W line: outside clear zone <input type="checkbox"/> Not applicable	
18. Utility Person Responsible for Construction Patrick W. Pauly, P.E. Mains Design Engineer		19. Utility or Project 24/7 Emergency Contact Patrick W. Pauly, P.E. Mains Design Engineer		15. Will any appurtenances be installed with the facility? (If yes, provide a description and/or specification of each item with this application.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
20. Is the utility a member of Diggers Hotline? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, provide line-locate number _____		21. Provide additional project work details, if needed (Continue on back or include separate page) Removal of existing hydrant and installation of new hydrant to accommodate paving project 2030-09-70.minor excavation required in State ROW 5ft in Right Turn Lane of W Hampton Av. 16 ft behind curb.		16. Trans 401 project designation? (For all Major projects, provide a formal erosion control plan with this application. See HMM 09-15-55) <input checked="" type="checkbox"/> Minor <input type="checkbox"/> Major	
22. If not employed by applicant, authorized representative's company name and address		23. Signature of Authorized Representative – If filled via computer, Brush Script font) <i>Carrie M. Lewis</i> Superintendent of the Milwaukee Water Works (414) 286-2801 Carrie.M.Lewis@milwaukee.gov		17. Are any environmental permits, certifications or approvals required from other regulatory agencies? (If yes, provide a copy of each item or proof of agency coordination with this application.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

* NOTE: If the work described is not completed by the "Work Finish Date" specified, this permit is null and void, and the work shall not be completed unless authorized through a subsequent permit or an approved time extension. **ANY PERMIT ISSUED IS REVOCABLE.**

18. Utility Person Responsible for Construction Patrick W. Pauly, P.E. Mains Design Engineer	(Area Code) Telephone Number (414) 286-8167	19. Utility or Project 24/7 Emergency Contact Patrick W. Pauly, P.E. Mains Design Engineer	(Area Code) Telephone Number (414) 286-8167
20. Is the utility a member of Diggers Hotline? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, provide line-locate number _____		It is understood and agreed that approval is subject to applicant's full compliance with the pertinent statutes, as well as any rules and regulations of other jurisdictional agencies, which may be more restrictive, and with the Wisconsin Department of Transportation's Utility Accommodation Policy (UAP) , current edition. http://www.dot.wisconsin.gov/business/rules/property-uap.htm	
21. Provide additional project work details, if needed (Continue on back or include separate page) Removal of existing hydrant and installation of new hydrant to accommodate paving project 2030-09-70.minor excavation required in State ROW 5ft in Right Turn Lane of W Hampton Av. 16 ft behind curb.		<i>Carrie M. Lewis</i> 1/27/2014 (Signature of Authorized Representative – If filled via computer, Brush Script font) (Date)	
22. If not employed by applicant, authorized representative's company name and address		Superintendent of the Milwaukee Water Works (Title and/or print name) (414) 286-2801 Carrie.M.Lewis@milwaukee.gov (Authorized Representative Telephone Number) (Authorized Representative E-mail Address)	



This permit does not transfer any land; nor give, grant or convey any land right, right in land, nor easement in WisDOT right-of-way. It is not assignable or transferrable. If ownership in a utility facility changes, WisDOT may void and supersede a permit and reissue it to the new owner upon request and with sufficient proof of ownership.

↓ For Wisconsin DOT Use Only ↓

<input checked="" type="checkbox"/> THE UTILITY SHALL NOTIFY WisDOT 3 DAYS BEFORE STARTING WORK AT: Region contact, title, office address, telephone number, and e-mail address Denise Rosenthal SE Region Utility Coordinator 262-548-8733 Wisconsin Department of Transportation 141 NW Barstow Street Waukesha, WI 53187	<input checked="" type="checkbox"/> REVIEW ALL SUPPLEMENTAL PERMIT PROVISIONS <input checked="" type="checkbox"/> REVISIONS MADE to DRAWINGS or OTHER PAGES <input type="checkbox"/> Lane Closure System notification required: HMM 09-15-60 <input type="checkbox"/> Insurance or performance bond required <input type="checkbox"/> Joint installation: See permit(s) # _____ <input type="checkbox"/> Private utility (Non-public ownership and/or use) <input type="checkbox"/> Expedited Service Connection Permit <input type="checkbox"/> This permit voids & supersedes # _____ issued: _____ <input type="checkbox"/>	Date Application Received 1/27/2014
		Date Application Completed 2/12/2014
2030-09-70/71 WisDOT Improvement Project ID Numbers (if applicable)	<i>Craig Hardy</i> (WisDOT Authorized Representative Signature – If filled via computer, Brush Script font)	Date Application Denied
		Permit Issuance Date 2/12/14
		Permit Extension Date
		Permit Number 40U-308-14

Use this section to provide information that does not fit on front page

Eastern-most northbound lane of N. Lovers Ln. (STH 100) to be affected by construction traffic. Traffic control setup to be similar to Work Zone Safety Manual (2013), pages 32,39.

Installation will impact the W Hampton Av Westbound to N Lovers Ln Northbound - Right Turn Lane. Traffic Control setup to be similar to Work Zone Safety Manual(2013) page 38.

For sidewalk closures, a pedestrian walkway will be provided similar to Work Zone Safety Manual (2013), page 55. When a full sidewalk closure is needed, detour to be provided similar to Work Zone Safety Manual (2013), page 54.

Attendance at the weekly contractor meetings will be required during the time that relocation work is expected to occur in order to coordinate traffic control activities.

INDEMNIFICATION

This Applicant shall save and hold the State, its officers, employees, agents, and all private and governmental contractors and subcontractors with the State under Chapter 84 Wisconsin Statutes, harmless from actions of any nature whatsoever (including any by Applicant itself) which arise out of, or are connected with, or are claimed to arise out of or be connected with any of the work done by the Applicant, or the construction or maintenance of facilities by the Applicant, pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way; (1) while the Applicant is performing its work, or (2) while any of the Applicant's property, equipment, or personnel, are in or about such place or the vicinity thereof, or (3) while any property constructed, placed or operated by or on behalf of Applicant remains on the State's property or right-of-way pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way; including without limiting the generality of the foregoing, all liability, damages, loss expense, claims, demands and actions on account of personal injury, death or property loss to the State, its officers, employees, agents, contractors, subcontractors or frequenters; to the Applicant, its employees, agents, contractors, subcontractors, or frequenters; or to any other persons, whether based upon, or claimed to be based upon, statutory (including, without limiting the generality of the foregoing, worker's compensation), contractual, tort, or whether or not caused or claimed to have been caused by active or inactive negligence or other breach of duty by the State, its officers, employees, agents, contractors, subcontractors or frequenters; Applicant, its employees, agents, contractors, subcontractors or frequenters; or any other person. Without limiting the generality of the foregoing, the liability, damage, loss, expense, claims, demands and actions indemnified against shall include all liability, damage, loss, expense, claims, demands and actions for damage to any property, lines or facilities placed by or on behalf of the Applicant pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way in the past or present, or that are located on any highway or State property or right-of-way with or without a permit issued by the State, for any loss of data, information, or material; for trademark, copyright or patent infringement; for unfair competition or infringement of personal or property rights of any kind whatever. The Applicant shall at its own expense investigate all such claims and demands, attend to their settlement or other disposition, defend all actions based thereon and pay all charges of attorneys and all other costs and expenses of any kind arising from any such liability, damage, loss, claims, demands and actions.

Any transfer, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit shall not release Applicant from any of the indemnification requirements of this permit, unless the State is notified of such transfer in writing. Any acceptance by any other person or entity, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit, shall include acceptance of all of the indemnification requirements of this permit by the other person or entity receiving ownership or control.

Notwithstanding the foregoing, a private contractor or subcontractor with the State under Chapter 84 Wisconsin Statutes, that fails to comply with sections 66.0831 and 182.0175 Wisconsin Statutes (2007-2008), remains subject to the payment to the Applicant of the actual cost of repair of intentional or negligent damage by the contractor or subcontractor to any property, lines or facilities placed by or on behalf of the Applicant pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way, and remains subject to payment to the Applicant for losses due to personal injury or death resulting from negligence by the contractor or subcontractor.

Notwithstanding the foregoing, if the State, or its officers, employees and agents, fail to comply with sections 66.0831 and 182.0175 Wisconsin Statutes (2007-2008), the State or its officers, employees and agents, remain subject to the payment to the Applicant of the actual cost of repair of willful and intentional damage by the State, or its officers, employees and agents, to any property, lines or facilities placed by or on behalf of the Applicant pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way, and remain subject to payment to the Applicant for losses due to personal injury or death resulting from negligence by the State, its officers, employees and agents.

No indemnification of private contractors or subcontractors with the State under Chapter 84 Wisconsin Statutes, shall apply in the event of willful and intentional damage by such private contractors or subcontractors to the property, lines and facilities of the Applicant located on the highway right-of-way pursuant to this permit or any other permit issued by the State for the location of property, lines or facilities on highway right-of-way.



Start Work Notice:

1) Prior to the start of utility construction, the utility operator **MUST** forward a copy of the attached utility start work notice to the Wisconsin Department of Transportation (WisDOT) regional utility permit coordinator. Failure to do so will result in revocation of this permit.



Permit Requirements:

- 2) There shall be no deviations from the approved construction plans covered under this permit without additional written authorization from the WisDOT utility permit coordinator.
- 3) A complete copy of the permit WisDOT issues a utility for its proposed work shall be in the possession of the utility's work force, consultant, contractor or subcontractor at all times when work is being performed within the right-of-way (R/W). This includes a copy of WisDOT's approval for a service connection under an Expedited Service Connection Permit (ESCP). Electronic copies are acceptable.
- 4) Failure to maintain a permit on the work site shall cause this permit to become null and void. A subsequent permit will be required to complete the previously permitted work.
- 5) This permit is valid only for utility construction on WisDOT controlled highway right-of-way. Permits from other federal, state, county and local agencies may be required.
- 6) Utility construction shall not interfere with any WisDOT construction project or maintenance operation.
- 7) Underground facility locates shall be done prior to construction.



Work Time Restrictions:

8) No lane closures can occur between the hours of 3 PM and 7PM. No long term (overnight closures) are allowed for this permit



Work Zone Traffic Control:

- 9) Work Zone Traffic Control (WZTC) shall be in accordance with the Wisconsin Manual of Uniform Traffic Control Devices (WMUTCD) chapter VI.
- 10) Traffic control shall be maintained throughout construction and shall be altered at anytime upon the request of WisDOT, the county or local highway department or any law enforcement agency.
- 11) Flaggers shall be used whenever conditions warrant.
- 12) At the end of each work day, construction signage shall be knocked down or removed. Turning sign faces away from traffic is no longer allowed.
- 13) Signage in place longer than 7 continuous calendar days shall be post mounted per the attached detail.



Wisconsin Lane Closure System (LCS) Notification:

- 14) Lane, shoulder, ramp closures or encroachments on XXX XX require lane closure notification to the southeast region traffic engineer. The LCS request shall be sent to WisDOT for review and approval **14 calendar days** prior to the need for a freeway closure, or **3 business days** prior to the need for a non-freeway closure.
- 15) The utility or their contractor shall set up an account and request lane closures at the following link: <http://transportal.cee.wisc.edu/closures/>



I-94 North/South Freeway and ZOO Interchange Projects Lane Closures and Restrictions:

16) Prior to the start of construction all lane closures and restrictions shall also be coordinated with WisDOT



Traffic Coordinator Stephanie Skowronski at 414-750-1397 or Stephanie.Skowronski@dot.wi.gov

WisDOT Holiday Shutdowns:

17) No utility work with the exception of emergency work shall be performed during the following holidays. All work shall stop prior to and resume after the holidays on the following dates and times. All unnecessary traffic control shall be knocked down or moved outside the clear zone:

Labor Day-August 30, 2013-12pm through September 3, 2013-6am
Thanksgiving-November 27, 2013-12pm through December 2, 2013-6am
Christmas-December 23, 2013-12pm through December 26, 2013-6am
New Years-December 30, 2013-12pm through January 2, 2014-6am
Martin Luther King, Jr. Day-January 17, 2014-12pm through January 21, 2014-6am
Memorial Day-May 23, 2014-12pm through May 27, 2014-6am
Independence Day-July 3, 2014-12pm through July 7, 2014-6am

Wisconsin State Fair:

18) No utility work shall take place on XXX XX during Wisconsin State Fair from August 1, 2013 through August 11, 2013.

Survey Monuments:

19) **NOTE:** The proposed utility work is at or near a WisDOT survey monument. Prior to any construction activity the utility operator shall contact WisDOT at 1-888-568-2852 or geodetic@dot.wi.gov

Freeway System Entry Restrictions:

20) There shall be no entry to the freeway system right-of-way inside the security fences towards the surface of the traveled way for any reason.

Utility Installation at Risk:

21) The proposed facility is being installed at the risk & expense of the facility owner/operator. The work authorized in this permit is within the limits of a future WisDOT improvement project. If the proposed facility will require future relocation and/or adjustment, it will be at the facility owners' expense.

Erosion Control:

22) Prior to the start of construction, all applicable erosion control devices including inlet protection shall be placed, inspected, monitored and maintained on a daily basis by the utility operator or their contractor.

23) Spoil removed from excavations shall be placed in an upland area. The perimeter of each spoil pile shall be wrapped with silt fence or other devices to prevent soil loss or soil run off.

24) Whenever construction operations require dewatering, the displaced water shall be pumped through filter fabric bags or temporary settling basins constructed prior to discharge from the work site.

25) Inlet protection shall be removed once construction operations are complete and the work area is stabilized.

26) Silt fence or other erosion control devices shall be removed after substantial vegetative growth has occurred.

Tree Trimming & Removal Operations Ash Species:

27) Prior to the cutting, pruning or trimming of any ash trees, the utility shall consult the State of Wisconsin's Emerald Ash Borer (EAB) website: <http://www.emeraldashborer.wi.gov/>



28) The utility and their contractor shall follow the rules and regulations as established by the Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP).

29) The utility shall contact DATCP directly with any specific questions regarding their work and disposition of ash species while working on WISDOT right of ways.

Tree Trimming & Removal Operations Non- Ash Species:

30) Brush, logs & debris from tree trimming & removal from non-ash species shall be hauled off the work site during and at the end of each work day or chipped.

31) Wood chips from non-ash species shall not be stockpiled. Any non-ash wood chips shall be spread out and dispersed accordingly to match the existing grade.

32) Stumps from non-ash species shall be cut flush to the existing grade.

Existing Pavements & Right-of-Way:

33) Existing inlets, drainage structures, drain tiles or other drainage facilities damaged during construction shall be repaired or replaced in kind. The contractor shall notify WisDOT of any damaged facilities.

34) Equipment and material shall be moved outside the clear zone at the end of each work day.

35) Open excavations shall be plated or protected by other means during and at the end of each work day to ensure public safety. Energy absorbing terminals (EATS) or other crash protection devices shall be used with concrete barrier walls.

36) Existing highway pavements shall be kept and swept clean of mud and debris from construction and trucking operations during and at the end of each work day.

Directional Drill, Bore & Jack, Plow & Trenching Operations:

37) All road crossings shall be bored or directionally drilled. Open cutting of any pavements is strictly prohibited and not authorized under this permit.

38) Manual tracking or guiding of directional drill heads from the pavement surface of the highway for utility crossings is strictly prohibited.

Subsurface Utility Exploration (S.U.E.) Operations:

39) If water jetting is permitted, the utility or their contractor shall furnish to WisDOT digital pictures taken before and after the S.U.E. excavating from the same camera angle of the roadway section. Vacuum excavations need not pictures.

40) The pavement area for removal shall be cored. Saw cutting is prohibited. The core hole over the existing utility in pavement areas shall be no larger than 12" diameter inside the wheel paths and no larger than 16" outside the wheel paths.

41) The areas specified on the construction plan where potential conflicts exists with other existing utilities, shall be the only areas where S.U.E. excavating will be allowed to be completed.

42) Flowable fill or slurry backfill per the attached detail shall be used in zones 1 & 2 to restore the voids left behind from the S.U.E. excavating.

43) The pavement core shall be fastened back in place with utilibond or an equivalent epoxy type adhesive. The pavement core shall be placed flush with the existing pavements.

44) The utility operator shall inspect and monitor the areas were S.U.E was performed on a routine basis.



45) WisDOT will require pavement removal and replacement at the utility operator's expense in areas where S.U.E. was performed and subsequent pavement failure occurs. WisDOT will determine final limits of pavement removal and replacement.

Aerial Construction Operations:

46) A minimum of three work days in advance, the contractor shall coordinate rolling closures for aerial crossings with the respective county sheriff's office and local law enforcement agencies.

47) The rolling closures for the purpose of detaching or attaching an overhead cable crossing the highway shall be completed during off peak traffic hours. The rolling closure shall be completed under dry pavement conditions.

48) The utility or their contractor shall be responsible for all costs associated with the protection of traffic.

49) Anchors and guy cables shall be installed in accordance with clear zone requirements outlined in the WisDOT facilities development manual (FDM) chapter 11-15-1

50) Anchors and guy cables shall be installed in accordance with clear zone requirements outlined in the WisDOT facilities development manual (FDM) chapter 11-45-10 bicycle facilities.

Further details can be viewed in the WisDOT bicycle facilities design handbook at:

<http://www.dot.wisconsin.gov/projects/state/docs/bike-facility.pdf>

WisDOT Improvement Projects Coordination:

51) The utility work is within the limits of a WisDOT construction project. Coordination must be done with WisDOT project manager XXX to ensure closure conflicts do not arise. Contact XXX at XXX-XXX-XXXX or XXX.XXX@dot.wi.gov

52) The utility work is within the limits of a WisDOT construction project. The utility shall attend the WisDOT weekly construction meeting. Contact XXX for time and location.

Soft Surface Restoration:

53) Temporary soft restoration to stabilize the work site shall be completed in a timely manner during and immediately following utility construction. Excess spoil shall be hauled off the work site.

54) Final soft restoration shall consist of placing a minimum 4 " of topsoil, WisDOT spec seed, and fertilizer and erosion mat.

55) The contractor shall notify WisDOT as soon as final restoration has been completed and the work site is ready for inspection.

56) The utility operator or their contractor shall coordinate temporary and final soft restoration and restoration limits with the WisDOT project manager or the WisDOT project leader on the work site.

Soft Surface Restoration- Late Season :

57) For late season seeding and restoration after October 1st. See the attached document.

Sidewalk Removal/ Replacement:

58) Sidewalk removal, backfill requirements and sidewalk replacement shall be coordinated in advance with the respective local municipality (owner).



Open Cut Pavement:

59) Existing pavements specifically authorized for removal to accommodate placement of utility facilities shall be **SAW CUT** full depth prior to the use of pavement breaking equipment.

60) Pavement cuts shall not be completed from November 1st through April 1st. Pavement restoration shall occur before November 1st or before materials become unavailable, whichever occurs 1st.

61) Pavement removed, shall be hauled off the work site during and at the end of each work day.

62) Temporary sheeting and shoring shall be used as necessary to prevent cave-ins.

Slurry Backfill:

63) Slurry backfill per the attached detail shall be the required backfill for excavations in zones 1 & 2.

Granular Backfill:

64) The use of granular backfill in lieu of slurry backfill for excavations within highway pavement areas and shoulder shall be pre-approved or authorized in advance by the WisDOT regional utility permit coordinator.

65) Granular material, shall be placed in lifts or layers 12" or less each in depth, and mechanically compacted to the density of the adjacent and undisturbed material.

66) Water jetting and use of excess water to facilitate mechanical compaction is strictly prohibited.

Concrete Pavement Restoration:

67) Concrete pavement restoration shall consist of replacing in kind the concrete removed with high early strength concrete mix reinforced per the attached details.

68) Pavement restoration shall occur before November 1st or before materials become unavailable, whichever occurs 1st.

69) Concrete pavement shall be replaced from joint to joint. The minimum longitudinal length is 6 feet.

70) Concrete pavement without a bituminous asphalt overlay shall have a tined or heavily broomed finish.

71) Curb and gutter damaged or removed during construction operations shall be replaced in kind per the attached detail.

Bituminous Asphalt Pavement Restoration:

72) Bituminous asphalt pavement restoration shall consist of replacing in kind the bituminous asphalt overlay removed to match the existing bituminous asphalt thickness.

73) Pavement restoration shall occur before November 1st or before materials become unavailable, whichever occurs 1st.

74) Bituminous asphalt shall be replaced from seam to seam and overlay the longitudinal length of the concrete patch. The minimum longitudinal length is 6 feet.

Gravel Shoulders:

75) Gravel shoulder material removed or disturbed due to construction operations shall be replaced in kind, graded and shaped to match the existing gravel shoulders.

Epoxy Pavement Markings:



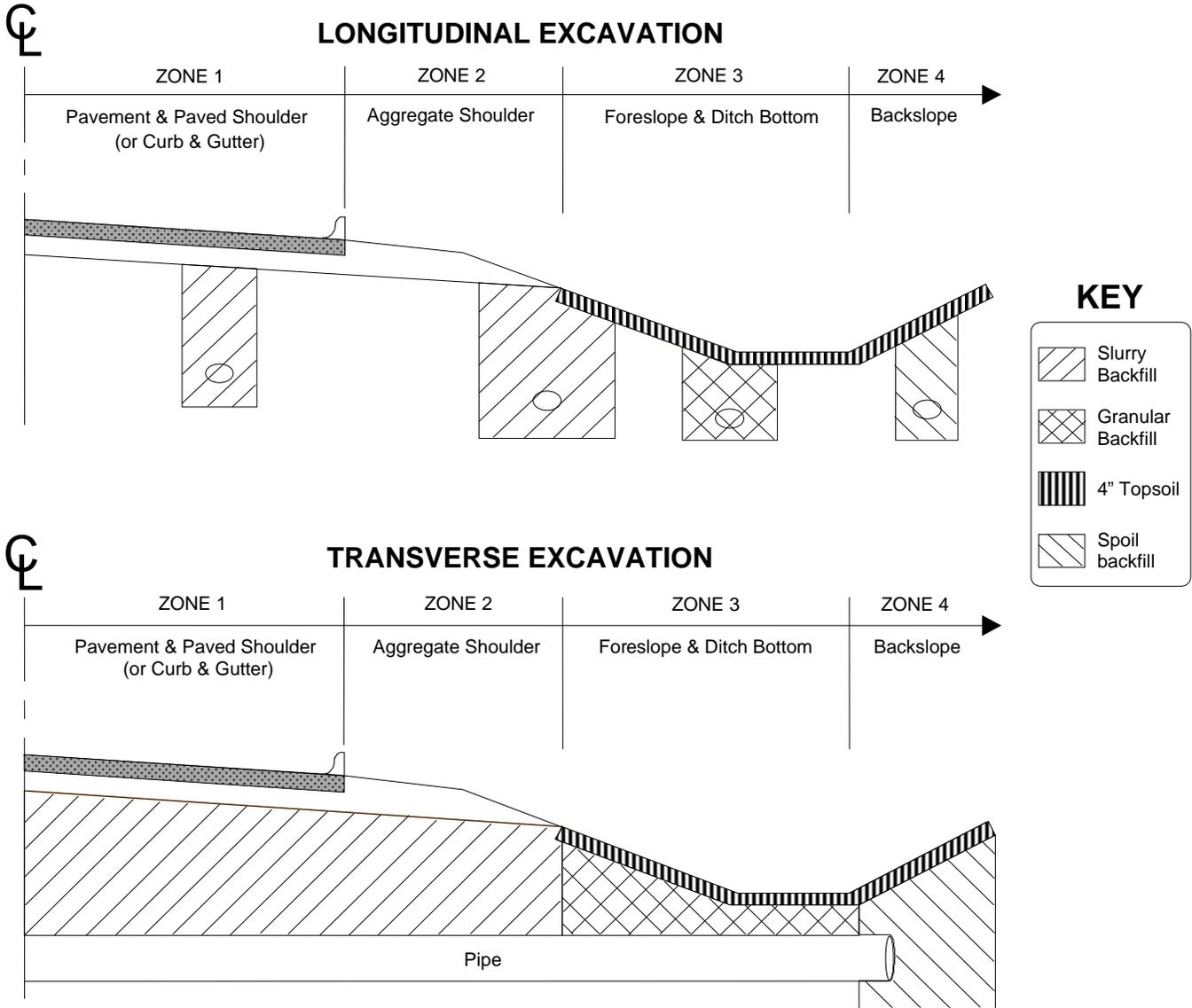
76) Epoxy pavement markings removed shall be replaced in kind with an epoxy based pavement marking paint along with reflective bead materials.

Temporary Pavement Markings:

77) Temporary pavement markings when authorized by the WisDOT regional utility permit coordinator in lieu of epoxy pavement markings that are removed shall be replaced in kind with a latex based or equivalent pavement marking paint along with reflective beads.

78) Temporary pavement markings shall have a 2 year minimum service life.

Attachment 2: Backfilling Excavation Detail Drawings



NOTES

- 1) Use slurry backfill to replace the excavated material in ZONES 1 and 2.
- 2) If the work area covers BOTH ZONES 2 & 3, use slurry backfill to replace the excavated material.
- 3) Use granular backfill to replace the excavated material in ZONE 3. Granular backfill placement and gradation shall conform to WisDOT's Standard Specifications for Road and Bridge Construction, current edition.
- 4) Place backfill in ZONES 3 & 4 to within 4" of the finished grade to allow for topsoil placement.
- 5) Suitable spoil backfill may be used in ZONE 4 at the discretion of WisDOT.

SLURRY BACKFILL

The materials shall be placed in a clean concrete mixer truck and thoroughly mixed in the following quantities FOR EACH CUBIC YARD REQUIRED:

- SAND 1,350 lbs
- #1 STONE 750 lbs
- #2 STONE 1,150 lbs
- WATER 25 gals (0 to -0.5 gal variance)

No additional water will be allowed. The above weights are damp weights. Just prior to placing the slurry backfill, the mixer shall be run at mixing speed for one full minute to assure an even mixture.

**COMPLETE WISDOT PERMIT FOR N LOVERS LANE RD(STH100) IS AVAILABLE
ONLINE ONLY AT THE FOLLOWING ADDRESS:**

<http://www.mpw.net/bids/docs/24-2014>

Attachment 1: Sample Start and Work Completion Notice



Utility Permit Start Work Notice

Provide all information and e-mail or fax to the utility permit coordinator or other region contact listed on the approved permit form **a minimum three working days** prior to the start of the work. When restoration is complete and ready for inspection, e-mail or fax to the same contact.

WisDOT Utility Permit Number:

SOUTHWEST REGION

Mark Goggin
mark.goggin@dot.wi.gov
Fax: 608-243-3380 Madison office
608-789-7896 La Crosse office

Utility Job Number:

SOUTHEAST REGION

Ryan Schnurer
ryan.schnurer@dot.wi.gov
Fax: 262-521-4425

Utility Company:

NORTHEAST REGION

Ray Drake
ray.drake@dot.wi.gov
Fax: 920-492-0144
NE Utility Unit General E-Mail:
dotdtsdneutilitycoordination@dot.wi.gov

Utility Contractor Contact Name and 24-Hour Number:

NORTH CENTRAL REGION

Keith Rutkowski – Wis Rapids office
keith.rutkowski@dot.wi.gov
Fax: 715-421-7300

Traffic Control Provider and 24-Hour Number:

Terry Catlin – Rhinelander office
terry.catlin@dot.wi.gov
Fax: 715-365-5780

Construction Start Date:

NORTHWEST REGION

Heather Dresel
HeatherL.Dresel@dot.wi.gov
Fax: 715-836-2807 Eau Claire office

Construction Completion Date:

Completion Notice

Restoration is complete and ready for inspection. File notices within **10 calendar days** of restoration completion. Restore within **two weeks** from completion of utility construction.

Restoration Completion Date:

APPLICATION / PERMIT

TO CONSTRUCT, OPERATE and MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY

s.66.0831, 84.08, 85.15, 86.07(2), 86.16, 182.017 and such other applicable Wis. Stats.

<p>1. Applicant (Utility facility owner) Name and Address Carrie Lewis Superintendent Milwaukee Water Works 841 N. Broadway, Rm 409 Milwaukee, WI 53202</p>	<p>2. Work Start Date 3/17/2014</p>	<p>3. Work Finish Date* 5/31/2014</p>	<p>6. Location Description (¼ section, section, town, range; provide plat map or location sketch) S.W.1/4 of S33; T6N; R22E S. Howell Av. (STH38) - E. College Av.</p>	
<p>9. Facility Type (Check all that apply): Size (Diameter, kV, pressure, # fibers, etc.)</p> <p><input type="checkbox"/> Telecom: _____ <input type="checkbox"/> Electric: _____ <input type="checkbox"/> Gas/Oil: _____ <input checked="" type="checkbox"/> Water: 28ft of 6" hyd branch <input type="checkbox"/> San Sewer: _____ <input type="checkbox"/> _____: _____</p> <p><input type="checkbox"/> Transmission <input type="checkbox"/> Service: Std <input checked="" type="checkbox"/> Distribution <input type="checkbox"/> Service: Exp</p>			<p>7. Work Location (Check/list all that apply)</p> <p><input type="checkbox"/> Town: _____ <input type="checkbox"/> Village: _____ <input checked="" type="checkbox"/> City: Milwaukee <input checked="" type="checkbox"/> County: Milwaukee</p>	
<p>10. Facility Orientation (Check all that apply)</p> <p><input type="checkbox"/> Crossing R/W <input type="checkbox"/> Parallel R/W <input checked="" type="checkbox"/> Underground <input type="checkbox"/> Overhead <input type="checkbox"/> Structure attachment</p>			<p>8. Highway (Check all that apply)</p> <p><input checked="" type="checkbox"/> WIS 38 <input type="checkbox"/> US _____ <input type="checkbox"/> Interstate _____ <input type="checkbox"/> _____</p>	
<p>11. Work Types (Check all that apply)</p> <p><input type="checkbox"/> New construction <input checked="" type="checkbox"/> Improve/repair existing <input checked="" type="checkbox"/> Removal <input type="checkbox"/> Maintenance <input checked="" type="checkbox"/> Discontinued, left in place <input type="checkbox"/> Joint installation</p>			<p>13. Work Zone Description (Check all that apply)</p> <p><input type="checkbox"/> Full road closure: detour <input type="checkbox"/> Full road closure: temporary <input checked="" type="checkbox"/> Lane closure: without flagging <input type="checkbox"/> Lane closure: with flagging <input type="checkbox"/> Lane encroachment (2 feet or less) <input type="checkbox"/> Intersection/roundabout <input checked="" type="checkbox"/> Shoulder/parking lane closure <input type="checkbox"/> Off shoulder: within clear zone <input type="checkbox"/> In R/W: outside clear zone <input type="checkbox"/> Near R/W line: within clear zone <input type="checkbox"/> Near R/W line: outside clear zone <input type="checkbox"/> Not applicable</p>	
<p>12. Proposed Work Methods (Check all that apply)</p> <p><input checked="" type="checkbox"/> Trench <input type="checkbox"/> Plow <input type="checkbox"/> Casing <input type="checkbox"/> Rock blasting <input type="checkbox"/> Open cut pavement</p> <p>Bore: <input type="checkbox"/> Hydraulic (Auger/Jack) <input type="checkbox"/> Pneumatic (Mole) <input type="checkbox"/> Directional 1 (Manually tracked) <input type="checkbox"/> Directional 2 (Computer tracked) <input type="checkbox"/> Unknown (At this time)</p> <p>Attach to poles/towers: <input type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> Guys**</p> <p>(Diameter) (Name of existing owner) (** Provide details for all guy wires on plan sheets)</p> <p>Subsurface utility excavation: <input type="checkbox"/> Water jetting <input type="checkbox"/> Vacuum</p> <p>Tree/vegetation control: <input type="checkbox"/> Cut and/or trim <input type="checkbox"/> Mow <input type="checkbox"/> Chemically treat</p>			<p>15. Will any appurtenances be installed with the facility? (If yes, provide a description and/or specification of each item with this application.)</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>16. Trans 401 project designation? (For all Major projects, provide a formal erosion control plan with this application. See HMM 09-15-55)</p> <p><input checked="" type="checkbox"/> Minor <input type="checkbox"/> Major</p> <p>17. Are any environmental permits, certifications or approvals required from other regulatory agencies? (If yes, provide a copy of each item or proof of agency coordination with this application.)</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	

*** NOTE: If the work described is not completed by the "Work Finish Date" specified, this permit is null and void, and the work shall not be completed unless authorized through a subsequent permit or an approved time extension. ANY PERMIT ISSUED IS REVOCABLE.**

<p>18. Utility Person Responsible for Construction (Area Code) Telephone Number Patrick W. Pauly, P.E. (414) 286-8167 Mains Design Engineer</p>	<p>19. Utility or Project 24/7 Emergency Contact (Area Code) Telephone Number Patrick W. Pauly, P.E. (414) 286-8167 Mains Design Engineer</p>
<p>20. Is the utility a member of Diggers Hotline? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, provide line-locate number _____</p>	
<p>21. Provide additional project work details, if needed (Continue on back or include separate page) Removal of existing hydrant to accommodate paving project 2060-15-71. minor excavation to install 6"cap and remove hydrant.</p>	
<p>22. If not employed by applicant, authorized representative's company name and address</p>	
<p>(Signature of Authorized Representative – If filled via computer, Brush Script font) (Date) <i>Carrie M. Lewis</i> 1/27/2014 Superintendent of the Milwaukee Water Works (Title and/or print name) (414) 286-2801 Carrie.M.Lewis@milwaukee.gov (Authorized Representative Telephone Number) (Authorized Representative E-mail Address)</p>	



This permit does not transfer any land; nor give, grant or convey any land right, right in land, nor easement in WisDOT right-of-way. It is not assignable or transferrable. If ownership in a utility facility changes, WisDOT may void and supersede a permit and reissue it to the new owner upon request and with sufficient proof of ownership.

↓ For Wisconsin DOT Use Only ↓

<p><input checked="" type="checkbox"/> THE UTILITY SHALL NOTIFY WisDOT 3 DAYS BEFORE STARTING WORK AT: Region contact, title, office address, telephone number, and e-mail address Laura Longley SE Region Utility Leadworker 141 NW Barstow St. Waukesha, WI 53189 262-548-6425 laura.longley@dot.wi.gov</p>	<p><input checked="" type="checkbox"/> REVIEW ALL SUPPLEMENTAL PERMIT PROVISIONS <input type="checkbox"/> REVISIONS MADE to DRAWINGS or OTHER PAGES</p> <p><input type="checkbox"/> Lane Closure System notification required: HMM 09-15-60 <input type="checkbox"/> Insurance or performance bond required <input type="checkbox"/> Joint installation: See permit(s) # _____ <input type="checkbox"/> Private utility (Non-public ownership and/or use) <input type="checkbox"/> Expedited Service Connection Permit <input type="checkbox"/> This permit voids & supersedes # _____ issued: _____ <input type="checkbox"/></p>	<p>Date Application Received 1/27/2014 Date Application Completed 1/28/2014 Date Application Denied _____ Permit Issuance Date 1/28/2014 Permit Extension Date _____</p>
<p>2060-15-71 WisDOT Improvement Project ID Numbers (if applicable)</p>	<p><i>Gary C. Dahms</i> (WisDOT Authorized Representative Signature – If filled via computer, Brush Script font)</p>	<p>Permit Number 40U-307-14</p>

Use this section to provide information that does not fit on front page

Additional Hydrant Work at S. Howell Av. (STH38) - W Grange Av. provided for informational purposes only does not impact State ROW.

Eastern northbound Lane to be affected by construction. Traffic control to be similar to Work Zone Safety Manual (2013), pages 32,39.

INDEMNIFICATION

This Applicant shall save and hold the State, its officers, employees, agents, and all private and governmental contractors and subcontractors with the State under Chapter 84 Wisconsin Statutes, harmless from actions of any nature whatsoever (including any by Applicant itself) which arise out of, or are connected with, or are claimed to arise out of or be connected with any of the work done by the Applicant, or the construction or maintenance of facilities by the Applicant, pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way, (1) while the Applicant is performing its work, or (2) while any of the Applicant's property, equipment, or personnel, are in or about such place or the vicinity thereof, or (3) while any property constructed, placed or operated by or on behalf of Applicant remains on the State's property or right-of-way pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way; including without limiting the generality of the foregoing, all liability, damages, loss expense, claims, demands and actions on account of personal injury, death or property loss to the State, its officers, employees, agents, contractors, subcontractors or frequenters; to the Applicant, its employees, agents, contractors, subcontractors, or frequenters; or to any other persons, whether based upon, or claimed to be based upon, statutory (including, without limiting the generality of the foregoing, worker's compensation), contractual, tort, or whether or not caused or claimed to have been caused by active or inactive negligence or other breach of duty by the State, its officers, employees, agents, contractors, subcontractors or frequenters; Applicant, its employees, agents, contractors, subcontractors or frequenters; or any other person. Without limiting the generality of the foregoing, the liability, damage, loss, expense, claims, demands and actions indemnified against shall include all liability, damage, loss, expense, claims, demands and actions for damage to any property, lines or facilities placed by or on behalf of the Applicant pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way in the past or present, or that are located on any highway or State property or right-of-way with or without a permit issued by the State, for any loss of data, information, or material; for trademark, copyright or patent infringement; for unfair competition or infringement of personal or property rights of any kind whatever. The Applicant shall at its own expense investigate all such claims and demands, attend to their settlement or other disposition, defend all actions based thereon and pay all charges of attorneys and all other costs and expenses of any kind arising from any such liability, damage, loss, claims, demands and actions.

Any transfer, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit shall not release Applicant from any of the indemnification requirements of this permit, unless the State is notified of such transfer in writing. Any acceptance by any other person or entity, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit, shall include acceptance of all of the indemnification requirements of this permit by the other person or entity receiving ownership or control.

Notwithstanding the foregoing, a private contractor or subcontractor with the State under Chapter 84 Wisconsin Statutes, that fails to comply with sections 66.0831 and 182.0175 Wisconsin Statutes (2007-2008), remains subject to the payment to the Applicant of the actual cost of repair of intentional or negligent damage by the contractor or subcontractor to any property, lines or facilities placed by or on behalf of the Applicant pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way, and remains subject to payment to the Applicant for losses due to personal injury or death resulting from negligence by the contractor or subcontractor.

Notwithstanding the foregoing, if the State, or its officers, employees and agents, fail to comply with sections 66.0831 and 182.0175 Wisconsin Statutes (2007-2008), the State or its officers, employees and agents, remain subject to the payment to the Applicant of the actual cost of repair of willful and intentional damage by the State, or its officers, employees and agents, to any property, lines or facilities placed by or on behalf of the Applicant pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way, and remain subject to payment to the Applicant for losses due to personal injury or death resulting from negligence by the State, its officers, employees and agents.

No indemnification of private contractors or subcontractors with the State under Chapter 84 Wisconsin Statutes, shall apply in the event of willful and intentional damage by such private contractors or subcontractors to the property, lines and facilities of the Applicant located on the highway right-of-way pursuant to this permit or any other permit issued by the State for the location of property, lines or facilities on highway right-of-way.



Start Work Notice:

1) Prior to the start of utility construction, the utility operator **MUST** forward a copy of the attached utility start work notice to the Wisconsin Department of Transportation (WisDOT) regional utility permit coordinator. Failure to do so will result in revocation of this permit.



Permit Requirements:

2) There shall be no deviations from the approved construction plans covered under this permit without additional written authorization from the WisDOT utility permit coordinator.

3) A complete copy of the permit WisDOT issues a utility for its proposed work shall be in the possession of the utility's work force, consultant, contractor or subcontractor at all times when work is being performed within the right-of-way (R/W). This includes a copy of WisDOT's approval for a service connection under an Expedited Service Connection Permit (ESCP). Electronic copies are acceptable.

4) Failure to maintain a permit on the work site shall cause this permit to become null and void. A subsequent permit will be required to complete the previously permitted work.

5) This permit is valid only for utility construction on WisDOT controlled highway right-of-way. Permits from other federal, state, county and local agencies may be required.

6) Utility construction shall not interfere with any WisDOT construction project or maintenance operation.

7) Underground facility locates shall be done prior to construction.



Work Time Restrictions:

8) Work on any state trunk highway shall only occur on weekdays between the hours of XXX and XXX.



Work Zone Traffic Control:

9) Work Zone Traffic Control (WZTC) shall be in accordance with the Wisconsin Manual of Uniform Traffic Control Devices (WMUTCD) chapter VI.

10) Traffic control shall be maintained throughout construction and shall be altered at anytime upon the request of WisDOT, the county or local highway department or any law enforcement agency.

11) Flaggers shall be used whenever conditions warrant.

12) At the end of each work day, construction signage shall be knocked down or removed. Turning sign faces away from traffic is no longer allowed.

13) Signage in place longer than 7 continuous calendar days shall be post mounted per the attached detail.



Wisconsin Lane Closure System (LCS) Notification:

14) Lane, shoulder, ramp closures or encroachments on XXX XX require lane closure notification to the southeast region traffic engineer. The LCS request shall be sent to WisDOT for review and approval **14 calendar days** prior to the need for a freeway closure, or **3 business days** prior to the need for a non-freeway closure.

15) The utility or their contractor shall set up an account and request lane closures at the following link: <http://transportal.cee.wisc.edu/closures/>



I-94 North/South Freeway and ZOO Interchange Projects Lane Closures and Restrictions:

16) Prior to the start of construction all lane closures and restrictions shall also be coordinated with WisDOT Traffic Coordinator Stephanie Skowronski at 414-750-1397 or Stephanie.Skowronski@dot.wi.gov



WisDOT Holiday Shutdowns:

17) No utility work with the exception of emergency work shall be performed during the following holidays. All work shall stop prior to and resume after the holidays on the following dates and times. All unnecessary traffic control shall be knocked down or moved outside the clear zone:

Labor Day-August 30, 2013-12pm through September 3, 2013-6am
Thanksgiving-November 27, 2013-12pm through December 2, 2013-6am
Christmas-December 23, 2013-12pm through December 26, 2013-6am
New Years-December 30, 2013-12pm through January 2, 2014-6am
Martin Luther King, Jr. Day-January 17, 2014-12pm through January 21, 2014-6am
Memorial Day-May 23, 2014-12pm through May 27, 2014-6am
Independence Day-July 3, 2014-12pm through July 7, 2014-6am

Wisconsin State Fair:

18) No utility work shall take place on XXX XX during Wisconsin State Fair from August 1, 2013 through August 11, 2013.

Survey Monuments:

19) **NOTE:** The proposed utility work is at or near a WisDOT survey monument. Prior to any construction activity the utility operator shall contact WisDOT at 1-888-568-2852 or geodetic@dot.wi.gov

Freeway System Entry Restrictions:

20) There shall be no entry to the freeway system right-of-way inside the security fences towards the surface of the traveled way for any reason.

Utility Installation at Risk:

21) The proposed facility is being installed at the risk & expense of the facility owner/operator. The work authorized in this permit is within the limits of a future WisDOT improvement project. If the proposed facility will require future relocation and/or adjustment, it will be at the facility owners' expense.

Erosion Control:

22) Prior to the start of construction, all applicable erosion control devices including inlet protection shall be placed, inspected, monitored and maintained on a daily basis by the utility operator or their contractor.

23) Spoil removed from excavations shall be placed in an upland area. The perimeter of each spoil pile shall be wrapped with silt fence or other devices to prevent soil loss or soil run off.

24) Whenever construction operations require dewatering, the displaced water shall be pumped through filter fabric bags or temporary settling basins constructed prior to discharge from the work site.

25) Inlet protection shall be removed once construction operations are complete and the work area is stabilized.

26) Silt fence or other erosion control devices shall be removed after substantial vegetative growth has occurred.

Tree Trimming & Removal Operations Ash Species:

27) Prior to the cutting, pruning or trimming of any ash trees, the utility shall consult the State of Wisconsin's Emerald Ash Borer (EAB) website: <http://www.emeraldashborer.wi.gov/>

28) The utility and their contractor shall follow the rules and regulations as established by the Wisconsin



Department of Agriculture, Trade and Consumer Protection (DATCP).

29) The utility shall contact DATCP directly with any specific questions regarding their work and disposition of ash species while working on WISDOT right of ways.

Tree Trimming & Removal Operations Non- Ash Species:

30) Brush, logs & debris from tree trimming & removal from non-ash species shall be hauled off the work site during and at the end of each work day or chipped.

31) Wood chips from non-ash species shall not be stockpiled. Any non-ash wood chips shall be spread out and dispersed accordingly to match the existing grade.

32) Stumps from non-ash species shall be cut flush to the existing grade.

Existing Pavements & Right-of-Way:

33) Existing inlets, drainage structures, drain tiles or other drainage facilities damaged during construction shall be repaired or replaced in kind. The contractor shall notify WisDOT of any damaged facilities.

34) Equipment and material shall be moved outside the clear zone at the end of each work day.

35) Open excavations shall be plated or protected by other means during and at the end of each work day to ensure public safety. Energy absorbing terminals (EATS) or other crash protection devices shall be used with concrete barrier walls.

36) Existing highway pavements shall be kept and swept clean of mud and debris from construction and trucking operations during and at the end of each work day.

Directional Drill, Bore & Jack, Plow & Trenching Operations:

37) All road crossings shall be bored or directionally drilled. Open cutting of any pavements is strictly prohibited and not authorized under this permit.

38) Manual tracking or guiding of directional drill heads from the pavement surface of the highway for utility crossings is strictly prohibited.

Subsurface Utility Exploration (S.U.E.) Operations:

39) If water jetting is permitted, the utility or their contractor shall furnish to WisDOT digital pictures taken before and after the S.U.E. excavating from the same camera angle of the roadway section. Vacuum excavations need not pictures.

40) The pavement area for removal shall be cored. Saw cutting is prohibited. The core hole over the existing utility in pavement areas shall be no larger than 12" diameter inside the wheel paths and no larger than 16" outside the wheel paths.

41) The areas specified on the construction plan where potential conflicts exists with other existing utilities, shall be the only areas where S.U.E. excavating will be allowed to be completed.

42) Flowable fill or slurry backfill per the attached detail shall be used in zones 1 & 2 to restore the voids left behind from the S.U.E. excavating.

43) The pavement core shall be fastened back in place with utilibond or an equivalent epoxy type adhesive. The pavement core shall be placed flush with the existing pavements.

44) The utility operator shall inspect and monitor the areas were S.U.E was performed on a routine basis.



45) WisDOT will require pavement removal and replacement at the utility operator's expense in areas where S.U.E. was performed and subsequent pavement failure occurs. WisDOT will determine final limits of pavement removal and replacement.

Aerial Construction Operations:

46) A minimum of three work days in advance, the contractor shall coordinate rolling closures for aerial crossings with the respective county sheriff's office and local law enforcement agencies.

47) The rolling closures for the purpose of detaching or attaching an overhead cable crossing the highway shall be completed during off peak traffic hours. The rolling closure shall be completed under dry pavement conditions.

48) The utility or their contractor shall be responsible for all costs associated with the protection of traffic.

49) Anchors and guy cables shall be installed in accordance with clear zone requirements outlined in the WisDOT facilities development manual (FDM) chapter 11-15-1

50) Anchors and guy cables shall be installed in accordance with clear zone requirements outlined in the WisDOT facilities development manual (FDM) chapter 11-45-10 bicycle facilities.

Further details can be viewed in the WisDOT bicycle facilities design handbook at:

<http://www.dot.wisconsin.gov/projects/state/docs/bike-facility.pdf>

WisDOT Improvement Projects Coordination:

51) The utility work is within the limits of a WisDOT construction project. Coordination must be done with WisDOT project manager XXX to ensure closure conflicts do not arise. Contact XXX at XXX-XXX-XXXX or XXX.XXX@dot.wi.gov

52) The utility work is within the limits of a WisDOT construction project. The utility shall attend the WisDOT weekly construction meeting. Contact XXX for time and location.

Soft Surface Restoration:

53) Temporary soft restoration to stabilize the work site shall be completed in a timely manner during and immediately following utility construction. Excess spoil shall be hauled off the work site.

54) Final soft restoration shall consist of placing a minimum 4 " of topsoil, WisDOT spec seed, and fertilizer and erosion mat.

55) The contractor shall notify WisDOT as soon as final restoration has been completed and the work site is ready for inspection.

56) The utility operator or their contractor shall coordinate temporary and final soft restoration and restoration limits with the WisDOT project manager or the WisDOT project leader on the work site.

Soft Surface Restoration- Late Season :

57) For late season seeding and restoration after October 1st. See the attached document.

Sidewalk Removal/ Replacement:

58) Sidewalk removal, backfill requirements and sidewalk replacement shall be coordinated in advance with the respective local municipality (owner).

Open Cut Pavement:



59) Existing pavements specifically authorized for removal to accommodate placement of utility facilities shall be **SAW CUT** full depth prior to the use of pavement breaking equipment.

60) Pavement cuts shall not be completed from November 1st through April 1st. Pavement restoration shall occur before November 1st or before materials become unavailable, whichever occurs 1st.

61) Pavement removed, shall be hauled off the work site during and at the end of each work day.

62) Temporary sheeting and shoring shall be used as necessary to prevent cave-ins.

Slurry Backfill:

63) Slurry backfill per the attached detail shall be the required backfill for excavations in zones 1 & 2.

Granular Backfill:

64) The use of granular backfill in lieu of slurry backfill for excavations within highway pavement areas and shoulder shall be pre-approved or authorized in advance by the WisDOT regional utility permit coordinator.

65) Granular material, shall be placed in lifts or layers 12" or less each in depth, and mechanically compacted to the density of the adjacent and undisturbed material.

66) Water jetting and use of excess water to facilitate mechanical compaction is strictly prohibited.

Concrete Pavement Restoration:

67) Concrete pavement restoration shall consist of replacing in kind the concrete removed with high early strength concrete mix reinforced per the attached details.

68) Pavement restoration shall occur before November 1st or before materials become unavailable, whichever occurs 1st.

69) Concrete pavement shall be replaced from joint to joint. The minimum longitudinal length is 6 feet.

70) Concrete pavement without a bituminous asphalt overlay shall have a tine or heavily broomed finish.

71) Curb and gutter damaged or removed during construction operations shall be replaced in kind per the attached detail.

Bituminous Asphalt Pavement Restoration:

72) Bituminous asphalt pavement restoration shall consist of replacing in kind the bituminous asphalt overlay removed to match the existing bituminous asphalt thickness.

73) Pavement restoration shall occur before November 1st or before materials become unavailable, whichever occurs 1st.

74) Bituminous asphalt shall be replaced from seam to seam and overlay the longitudinal length of the concrete patch. The minimum longitudinal length is 6 feet.

Gravel Shoulders:

75) Gravel shoulder material removed or disturbed due to construction operations shall be replaced in kind, graded and shaped to match the existing gravel shoulders.

Epoxy Pavement Markings:

76) Epoxy pavement markings removed shall be replaced in kind with an epoxy based pavement marking



paint along with reflective bead materials.

Temporary Pavement Markings:

77) Temporary pavement markings when authorized by the WisDOT regional utility permit coordinator in lieu of epoxy pavement markings that are removed shall be replaced in kind with a latex based or equivalent pavement marking paint along with reflective beads.

78) Temporary pavement markings shall have a 2 year minimum service life.

**COMPLETE WISDOT PERMIT FOR S HOWELL AVE (STH38) IS AVAILABLE
ONLINE ONLY AT THE FOLLOWING ADDRESS:**

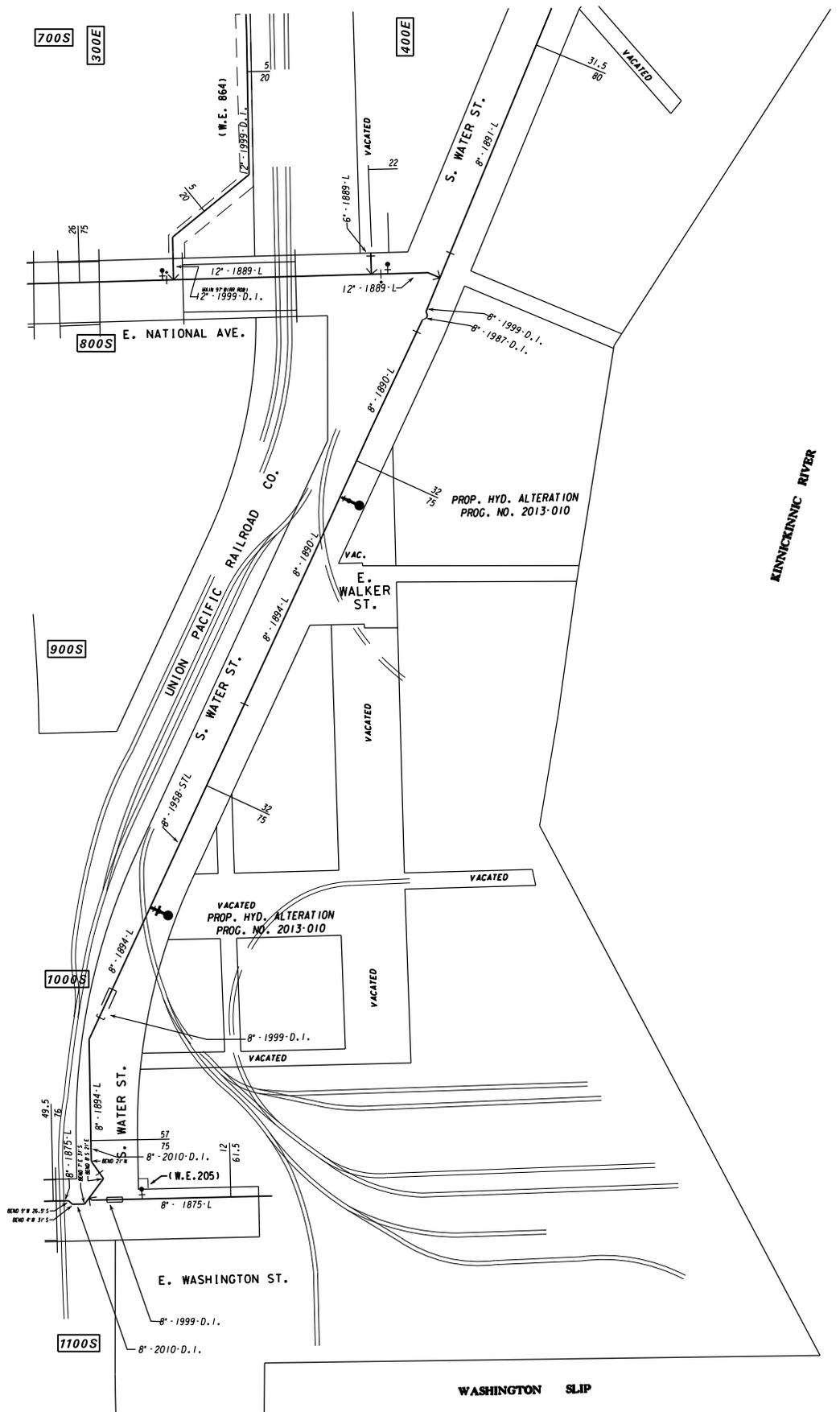
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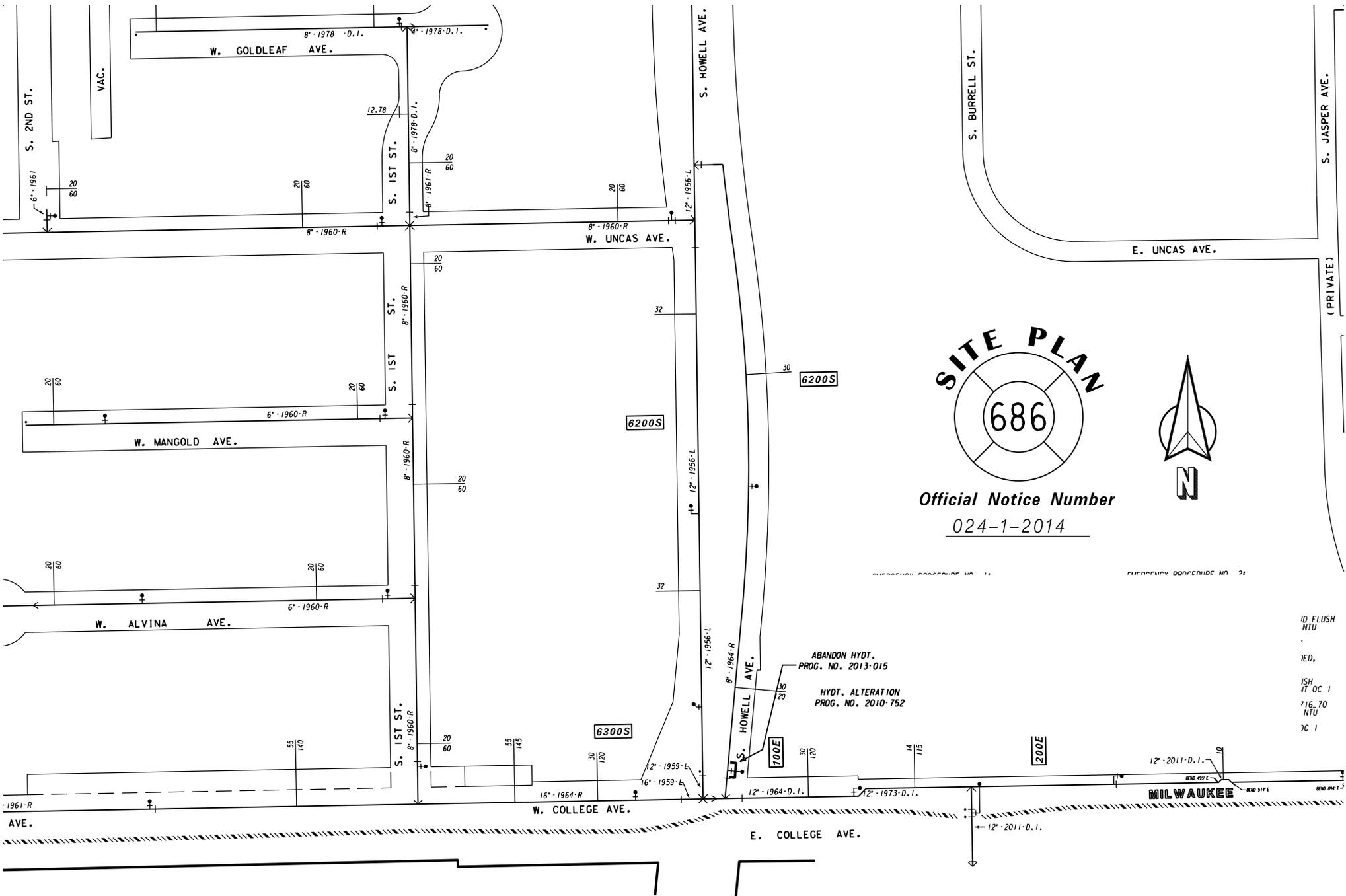


SITE PLAN
430

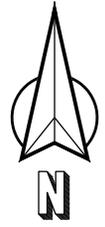
Official Notice Number

024-1-2014





Official Notice Number
024-1-2014



ID FLUSH
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MILWAUKEE

(PRIVATE)

REGULATORY PROCEDURE NO. 11

EMERGENCY RESPONSE NO. 21

ABANDON HYDT.
 PROC. NO. 2013-015

HYDT. ALTERATION
 PROC. NO. 2010-752

6200S

6200S

6300S

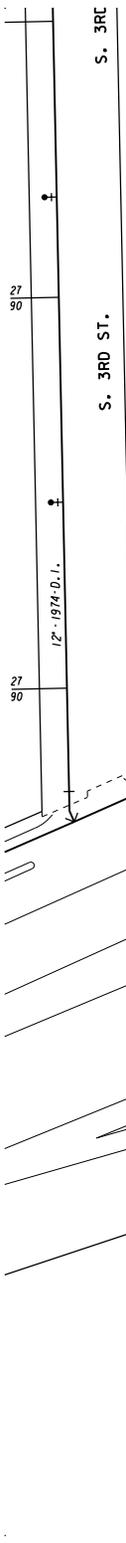
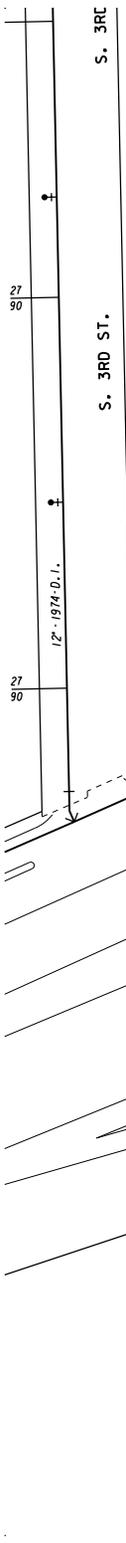
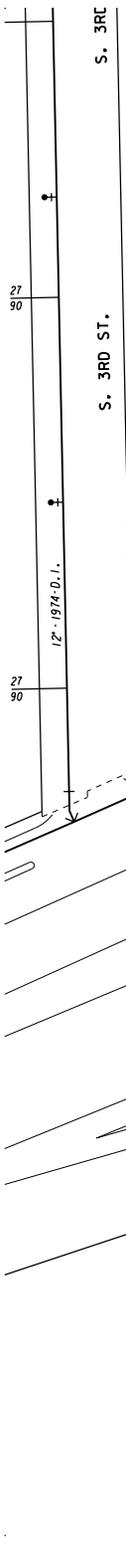
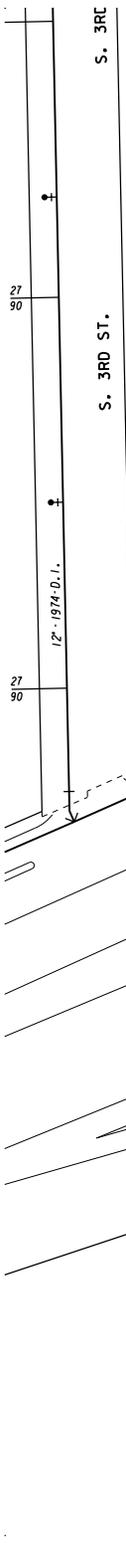
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Official Notice Number

024-1-2014



PROP. HYDRANT ALTER.
PROG. NO. 2013-015

5300S

5300S

5400S

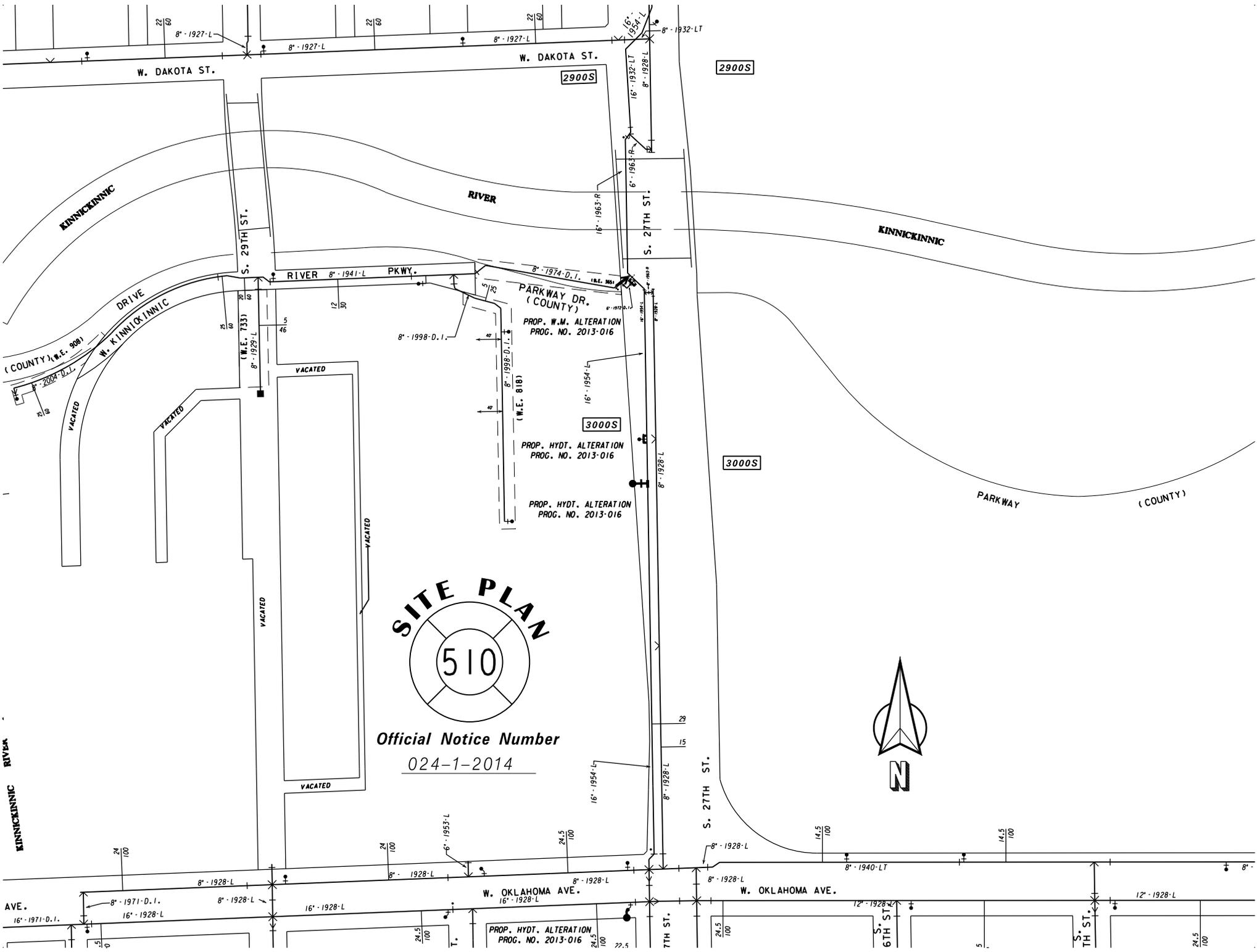
5500S

TOGE

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7195

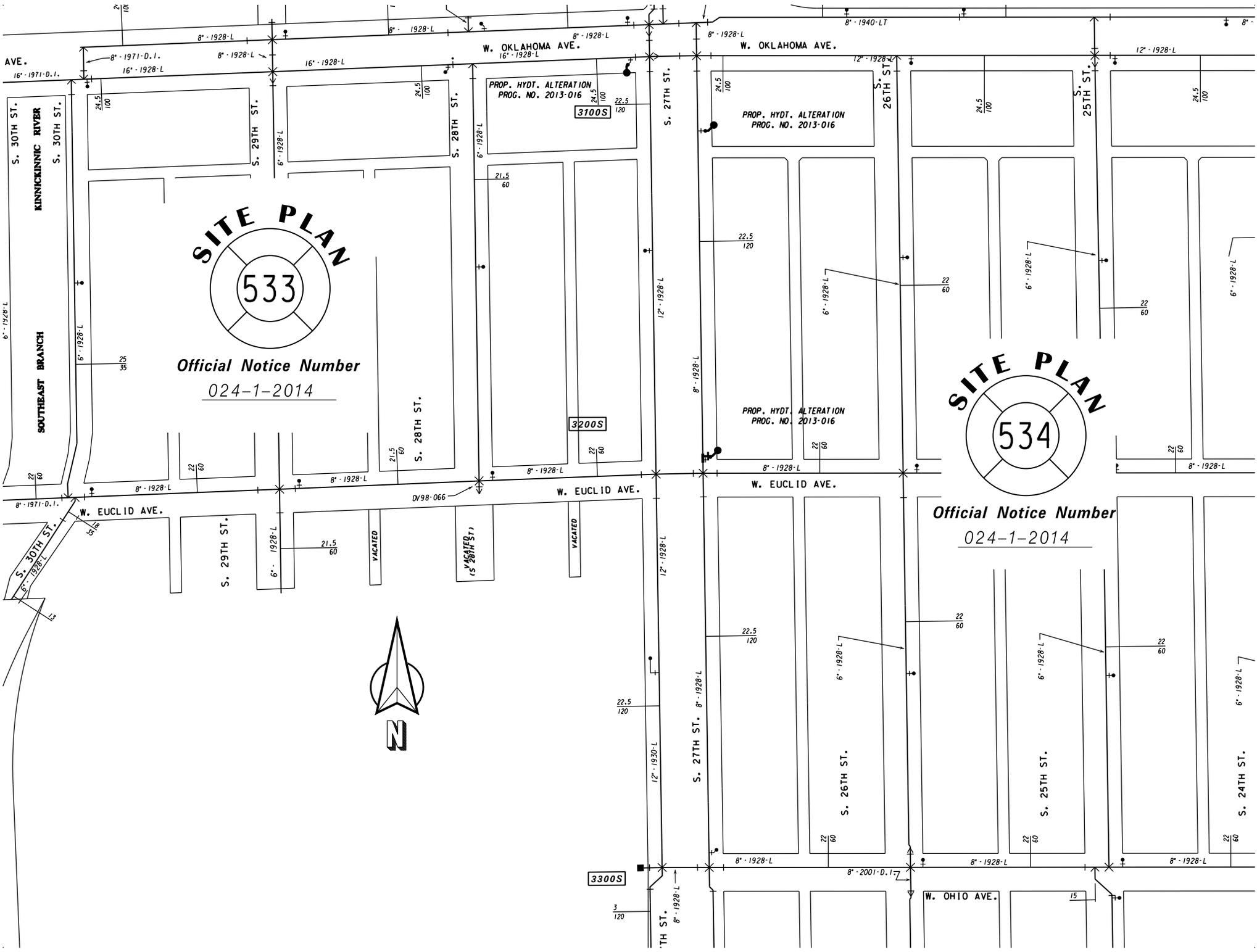


SITE PLAN
510

Official Notice Number
024-1-2014



W. DAKOTA ST.
 KINNICKINNIC RIVER
 S. 27TH ST.
 W. OKLAHOMA AVE.
 PARKWAY DR. (COUNTY)
 DRIVE
 W. KINNICKINNIC DRIVE
 (COUNTY) W.E. 908
 2004 D.I.
 22 60
 8" - 1927-L
 8" - 1927-L
 8" - 1927-L
 8" - 1932-LT
 2900S
 16" - 1932-L
 8" - 1928-L
 6" - 1963-R
 16" - 1963-R
 8" - 1974-D.I.
 8" - 1941-L
 RIVER
 PKWY.
 12 30
 8" - 1998-D.I.
 8" - 1929-L
 (W.E. 733)
 8" - 1929-L
 46 60
 8" - 1998-D.I.
 8" - 1998-D.I.
 (W.E. 818)
 16" - 1954-L
 3000S
 PROP. W.M. ALTERATION
 PROG. NO. 2013-016
 8" - 1928-L
 3000S
 PROP. HYDT. ALTERATION
 PROG. NO. 2013-016
 PROP. HYDT. ALTERATION
 PROG. NO. 2013-016
 29
 15
 16" - 1954-L
 8" - 1928-L
 S. 27TH ST.
 14.5 100
 14.5 100
 8" - 1928-L
 8" - 1940-LT
 8" - 1928-L
 12" - 1928-L
 24.5 100
 24.5 100
 22.5
 7TH ST.
 24.5 100
 24.5 100
 5
 S. 6TH ST.
 5
 S. 7TH ST.
 24.5 100
 24.5 100

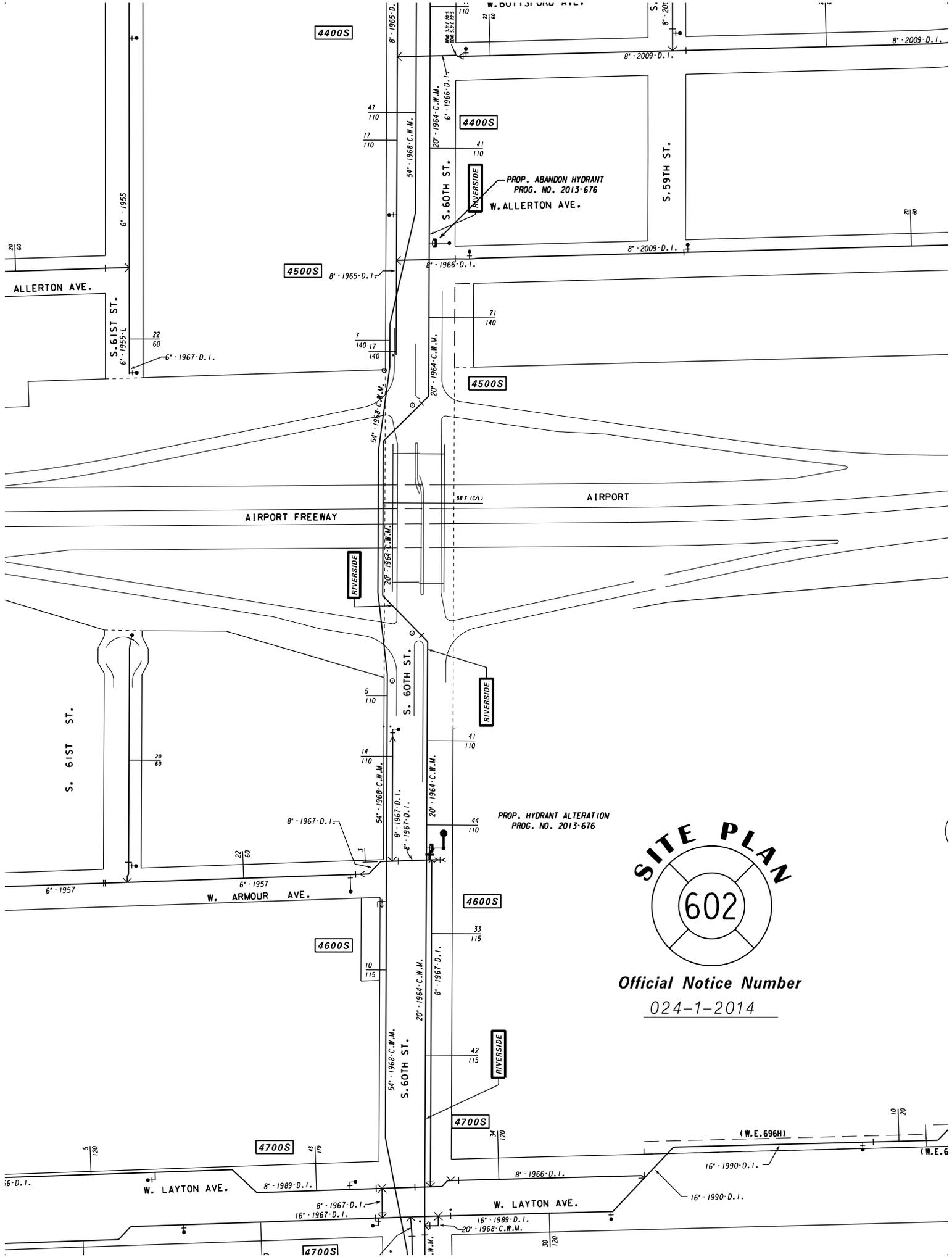


SITE PLAN
533

Official Notice Number
024-1-2014

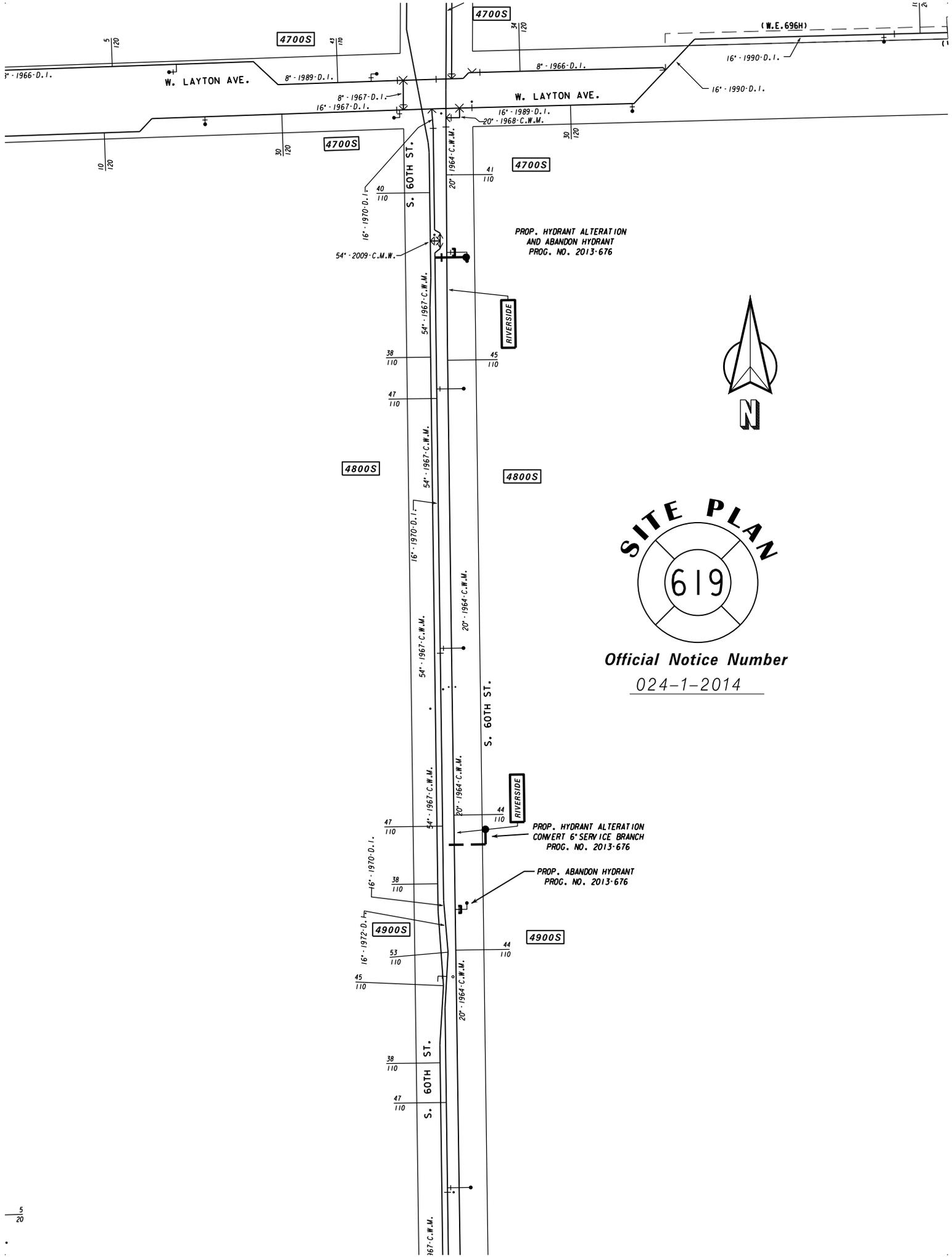
SITE PLAN
534

Official Notice Number
024-1-2014

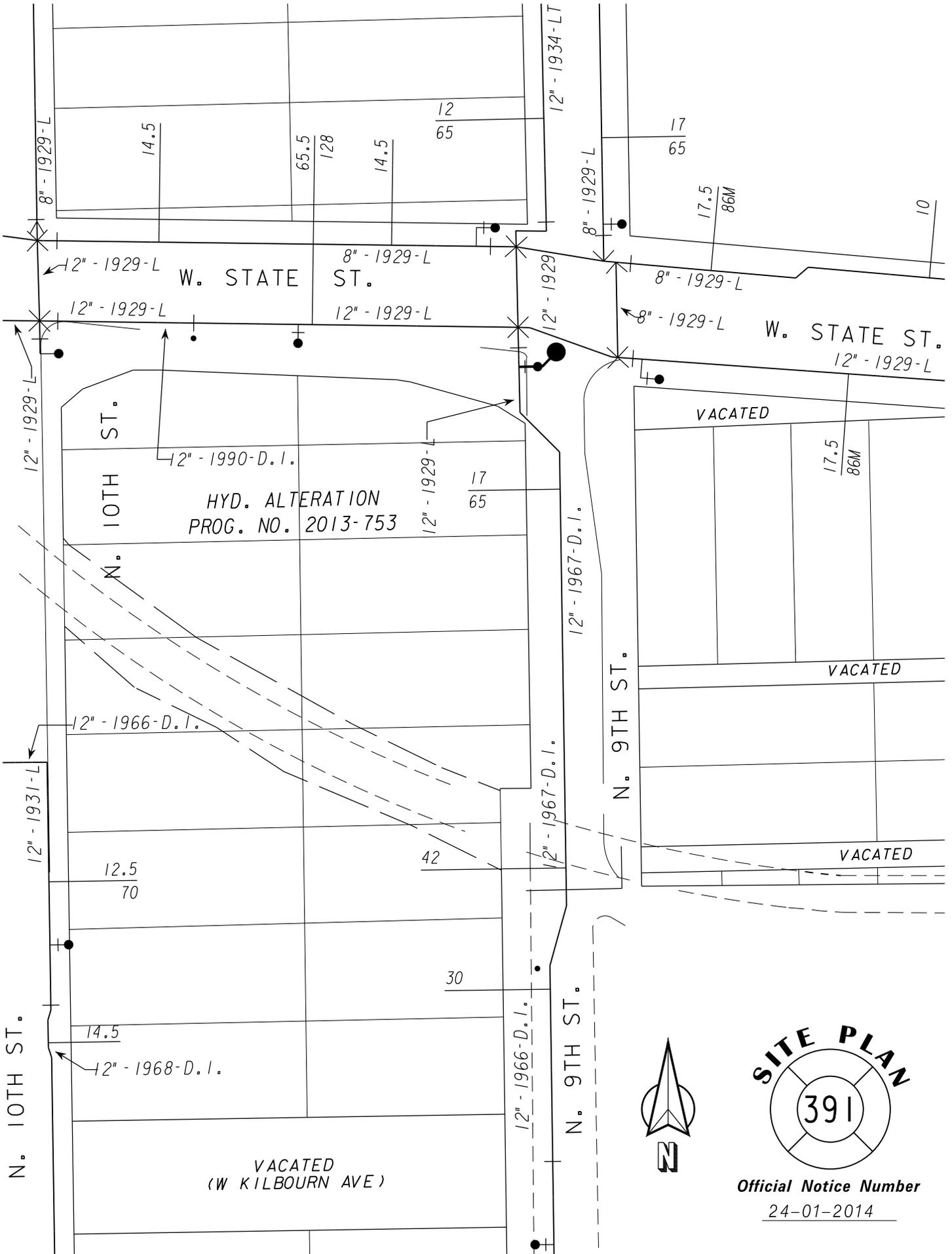


Official Notice Number

024-1-2014



Official Notice Number
024-1-2014



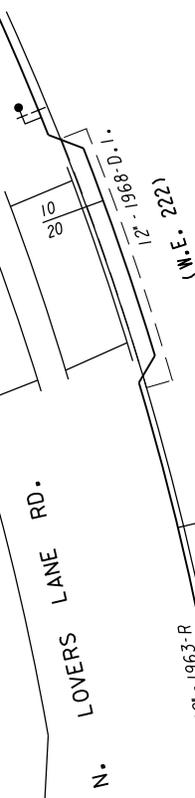
HYD. ALTERATION
 PROG. NO. 2013-753



Official Notice Number
 24-01-2014



LITTLE
MENOMONEE RIVER



PROPOSED HYDRANT
PROG. NO. 2013-752

REMOVE HYDRANT
PROG. NO. 2013-752

VACATED

W. HAMPTON AVE.

W. HAMPTON AVE.

MILWAUKEE
(W.E. 175A)

8' - 1968-D.1.

N. LOVERS LANE RD.

16' - 1963-R

16' - 1963-R

4/110



VACATED

N. MAYFAIR RD.



Official Notice Number

24-01-2014

