

**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

OFFICIAL NOTICE NO. 120-1-2015

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 **Monday, August 24, 2015, at 10:30 A.M.**

**One MANDATORY pre-bid meeting will be held at the Century City Site on Monday, August 10, 2015, and begin PROMPTLY at 9:00 a.m. Enter at Gate 2 - 2725 W. Hopkins St.**

**(Please Note: Prior to entering the site, anyone showing up for the site visit will need to have a flash light, steel tipped boots, hard hat, safety glasses, and a reflective vest.)**

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**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. 120-1-2015, 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.

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DESCRIPTION    **Century City 1 Development  
Asphalt Pavement  
3945 North 31<sup>st</sup> Street, Milwaukee, Wisconsin**

DETAILS OF SPECIFICATIONS: dated July 24, 2015

FOR: **Century City 1 Development**  
**Asphalt Pavement**  
**3945 North 31<sup>st</sup> Street, Milwaukee, Wisconsin**

The SBE Requirement for this Project is: 25%  
The Residency Requirement for this Project is: 40%  
The Apprenticeship Requirements for this Project are: 0

Liquidated damages per diem: \$150.00

Time for Completion: 21 days from receipt of the Notice to Proceed

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**(Please Note: Prior to entering the site, anyone showing up for the site visit will need to have a flashlight, steel tipped boots, hard hat, safety glasses, and a reflective vest.)**

BID SECURITY REQUIRED: BOND, CERTIFIED CHECK, CASHIER'S CHECK, OR CASH TO ACCOMPANY BID: 10% OF CONTRACTOR'S BASE BID.

DETAILED SPECIFICATIONS: July 24, 2015

THE SUCCESSFUL CONTRACTOR SHALL FURNISH A PERFORMANCE BOND AND A PAYMENT BOND IN THE AMOUNT OF 100% OF THE BID WITH EACH EXECUTED CONTRACT.

NOTE: BIDS WILL BE OPENED AND PUBLICLY READ AT THE OFFICE OF THE COMMISSIONER OF PUBLIC WORKS ON **Monday, August 24, 2015, at 10:30 A.M.**

Plans and specifications will be furnished to the prospective bidders upon payment of a non-refundable fee of \$10.00, for each project in Room 506, Frank P. Zeidler Municipal Building, 841 N. Broadway, Milwaukee, Wisconsin 53202. A \$10.00 per set additional non-refundable fee is required to obtain bid documents by mail.

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

Contractor must comply with all provisions of the CITY OF MILWAUKEE GENERAL OFFICIAL NOTICE TO CONTRACTORS, published at [http://mpw.milwaukee.gov/services/bids\\_home](http://mpw.milwaukee.gov/services/bids_home).

Questions regarding this Bid should be addressed to Scott Stange in writing via email at: [sstang@milwaukee.gov](mailto:sstang@milwaukee.gov). Deadline for questions regarding the Formal Bid are due by **4:45 pm** on **August 13, 2015**. Any additional information and/or clarification(s) regarding this Bid will be issued in the form of an addendum to this Bid on or before **August 18, 2015**.



FOR: **Century City 1 Development**  
**Asphalt Pavement**  
**3945 North 31<sup>st</sup> Street, Milwaukee, Wisconsin**

**ALL BIDS MUST BE TYPED OR PRINTED**

**BASE BID:**

Each Bidder shall submit a lump sum price to include the labor, equipment and materials necessary and required to perform all of the work for the Asphalt Pavement, at the Century City 1 Development located at 3945 North 31st Street, Milwaukee, Wisconsin, in accordance with the bid documents, specifications and drawings herein

**LUMP SUM:**

(Bid in figures) \$ \_\_\_\_\_ LUMP SUM

(Bid in words) \$ \_\_\_\_\_ LUMP SUM

**\*\*\* 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

Official Notice No. 120-1-2015  
Project No. \_\_\_\_\_

SMALL BUSINESS ENTERPRISE PROGRAM, 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 25 %

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 0 of the following trade(s) are to be employed.

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.**

Rev. 2/2012

Official Notice No. 120-1-2015

Project No. \_\_\_\_\_

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: \_\_\_\_\_

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\_\_\_\_\_.

**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

## 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**

**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 *two*)

- \_\_\_\_\_ 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, 2015 to June 30, 2016

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	21,775	1,815	908	838	419
2	29,471	2,456	1,228	1,134	567
3	37,167	3,098	1,549	1,430	715
4	44,863	3,739	1,870	1,726	863
5	52,559	4,380	2,190	2,022	1,011
6	60,255	5,022	2,511	2,318	1,159
7	67,951	5,663	2,832	2,614	1,307
8	75,647	6,304	3,152	2,910	1,455
9	83,343	6,946	3,473	3,206	1,603
10	91,039	7,588	3,794	3,502	1,751
11	98,735	8,230	4,115	3,798	1,899
12	106,431	8,872	4,436	4,094	2,047
For Each Additional Household Member Add	7,696	642	321	296	148

Source: Wisconsin Department of Public Instruction School Nutrition Programs

**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](http://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 CONTRACTOR'S NAME: \_\_\_\_\_ OFFICIAL NOTICE NUMBER: \_\_\_\_\_

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): \_\_\_\_\_% SBE

**Fill in BID REQUIREMENTS:** \_\_\_\_\_% SBE

SBE FIRM(S) NAME ADDRESS/CONTACT PERSON AND PHONE NUMBER	LIST DESIGNATION: WHETHER 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 paid 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
<b>TOTAL PAID TO SBE(s)</b>			

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 **20<sup>th</sup> of every month** to **DEPARTMENT of PUBLIC WORKS CONTRACT ADMINISTRATION, Room 506, Municipal Building, 841 North Broadway, Milwaukee, WI 53202.**

**DIRECTIONS FOR SBE MONTHLY REPORT (FORM D)**

1. List the month and year that the report is being submitted for. **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 official notice & 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 the 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 EXECUTE-

Section A - SBE Company Officer & Prime Contractor Complete 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 \_\_\_\_\_  
for subcontract work on the above project. (Name of SBE Firm)

Dated: \_\_\_\_\_ Signature of Prime Contractor: \_\_\_\_\_

Printed Name & Title of Prime Contractor: \_\_\_\_\_

Acknowledged by: SBE Subcontractor Signature: \_\_\_\_\_

Printed name & Title of SBE Subcontractor: \_\_\_\_\_

**PAYMENT MONITORING REQUIREMENTS:** All Contractors awarded a contract valued at \$25,000.00 or more are required to participate in training on the City of Milwaukee's B2GNow contract compliance software. Contractors must complete the training no later than 30 days after the date of contract award. Throughout the contract term, Contractors are required to regularly provide timely payment information in the City's contract compliance software.

*Please contact the Office of Small Business Development (OSBD) at 414-286-5553 should you have any questions or concerns regarding the training or reporting process.*







**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
<b>TRUCK DRIVERS:</b>		( %)	( %)
<b>OPERATING ENGINEERS:</b>			
<i>Journeyman</i>		( %)	( %)
<i>Apprentices</i>		( %)	( %)
<b>SKILLED TRADES: (Specify)</b>			
<i>Journeyman</i>		( %)	( %)
<i>Apprentices</i>		( %)	( %)
<i>Trainees</i>		( %)	( %)
<b>LABORERS: (Specify type)</b>			
		( %)	( %)
		( %)	( %)
		( %)	( %)
		( %)	( %)
		( %)	( %)

NAME and ADDRESS of Target Area Residents:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

NAME and ADDRESS of Apprentices:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## 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>



DEPARTMENT OF ADMINISTRATION  
BUSINESS OPERATIONS DIVISION  
PROCUREMENT SERVICES SECTION

**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. **NOTE: Effective May 13, 2014, Contractors whose company was established during the slavery era, whether or not subject to competitive bidding, shall complete this Affidavit prior to entering into a contract.**

Please check one:

- This business **was** in existence during or prior to the slavery era (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 during or prior to the slavery era (1865). I have searched any and all records for records of investments or profits from slavery, and am disclosing the findings below.

Findings being disclosed (please attach additional pages, if necessary):

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: \_\_\_\_\_ Date: \_\_\_\_\_

Subscribed to before me on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, at \_\_\_\_\_ County, \_\_\_\_\_ State.

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

\_\_\_\_\_  
Printed Name

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

(SEAL)

**Please Return to:**  
DOA-BOD-Procurement Services  
200 E. Wells Street, Room 601  
Milwaukee, WI 53202

procurement.services@milwaukee.gov



## **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 2<sup>ND</sup>. 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](http://DWD.WISCONSIN.GOV); TYPE "DICTIONARY" IN THE SEARCH BOX.**

**PREVAILING WAGE RATE DETERMINATION**

Issued by the State of Wisconsin  
Department of Workforce Development  
Pursuant to s. 66.0903, Wis. Stats.  
Issued On: 01/07/2015  
Last Amended On: 01/29/2015

**DETERMINATION NUMBER:** 201500024

**EXPIRATION DATE:** Prime Contracts MUST Be Awarded or Negotiated On Or Before 12/31/2015. 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

<b>CLASSIFICATION:</b>	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: <a href="http://dwd.wisconsin.gov/er/prevailing_wage_rate/Dictionary/dictionary_main.htm">dwd.wisconsin.gov/er/prevailing_wage_rate/Dictionary/dictionary_main.htm</a> .
<b>OVERTIME:</b>	<p>Time and one-half must be paid for all hours worked:</p> <ul style="list-style-type: none"><li>- over 10 hours per day on prevailing wage projects</li><li>- over 40 hours per calendar week</li><li>- Saturday and Sunday</li><li>- 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;</li><li>- The day before if January 1, July 4 or December 25 falls on a Saturday;</li><li>- The day following if January 1, July 4 or December 25 falls on a Sunday.</li></ul> <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>
<b>FUTURE INCREASE:</b>	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.
<b>PREMIUM PAY:</b>	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.
<b>DOT PREMIUM:</b>	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.
<b>APPRENTICES:</b>	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.
<b>SUBJOURNEY:</b>	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.

<b>BUILDING OR HEAVY CONSTRUCTION</b>
---------------------------------------

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.

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**SKILLED TRADES**

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<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
101	Acoustic Ceiling Tile Installer Future Increase(s): Add \$1.50/hr on 6/1/2015; Add \$1.65/hr on 6/1/2016. 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.	34.13	20.61	54.74
102	Boilermaker Future Increase(s): Add \$1.50/hr. on 01/01/2016	33.35	28.24	61.59
103	Bricklayer, Blocklayer or Stonemason Future Increase(s): Add \$1.35 on 06/01/2015; Add \$1.45 on 06/06/2016 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.	35.89	18.64	54.53
104	Cabinet Installer Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016.	32.72	16.00	48.72
105	Carpenter Future Increase(s): Add \$1.50/hr on 6/1/2015; Add \$1.65/hr on 6/1/2016. 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.	34.13	20.61	54.74
106	Carpet Layer or Soft Floor Coverer	33.68	19.98	53.66
107	Cement Finisher Future Increase(s): Add \$1.30 on 06/01/2015; Add \$1.40 on 06/06/2016	32.09	19.21	51.30
108	Drywall Taper or Finisher Future Increase(s): Add \$.90/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.05/hr eff. 06/01/2017	29.97	20.74	50.71

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
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.	33.93	22.77	56.70
110	Elevator Constructor	43.84	27.09	70.93
111	Fence Erector	23.73	19.09	42.82
112	Fire Sprinkler Fitter	39.10	19.94	59.04
113	Glazier Future Increase(s): Add \$.75/hr eff. 06/01/2015; Add \$.90/hr eff. 06/01/2016	34.19	18.50	52.69
114	Heat or Frost Insulator	33.43	25.81	59.24
115	Insulator (Batt or Blown) Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016.	32.72	16.00	48.72
116	Ironworker 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.	30.77	23.97	54.74
117	Lather	33.68	19.81	53.49
118	Line Constructor (Electrical)	37.43	18.19	55.62
119	Marble Finisher	20.00	0.52	20.52
120	Marble Mason	35.37	17.99	53.36
121	Metal Building Erector	22.05	8.08	30.13
122	Millwright	28.53	25.19	53.72
123	Overhead Door Installer	20.00	6.10	26.10
124	Painter Future Increase(s): Add \$.90/hr on 06/01/2015; Add \$1.00/hr on 06/01/2016; Add \$1.05/hr on 06/01/2017 Premium Increase(s): Add \$.20/hr for paperhanging; Add \$.35/hr for bridge, iron and drywall; Add \$.75/hr for spraying and sandblasting; Add \$.60/hr for EIFS work; Add \$1.00/hr for lead based paint removal.	29.62	20.74	50.36
125	Pavement Marking Operator	30.10	18.08	48.18

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
126	Piledriver Future Increase(s): Add \$1.50/hr on 6/1/2015; Add \$1.60/hr on 6/1/2016. Premium Increase(s): Add \$.65/hr for Piledriver Loftsmen; Add \$.75/hr for Sheet Piling Loftsmen. 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.	30.11	26.51	56.62
127	Pipeline Fuser or Welder (Gas or Utility)	31.88	20.89	52.77
129	Plasterer Premium Increase(s): Add \$.40/hr for swing stage work.	31.21	19.93	51.14
130	Plumber	38.37	19.55	57.92
132	Refrigeration Mechanic Future Increase(s): Add \$1.70 on 6/1/15	41.01	21.54	62.55
133	Rofer or Waterproofor Future Increase(s): Add \$1.25/hr eff. 06/01/2015; Add \$1.25/hr eff. 06/01/2016	29.65	18.15	47.80
134	Sheet Metal Worker	36.94	20.22	57.16
135	Steamfitter	41.01	21.54	62.55
137	Teledata Technician or Installer Future Increase(s): 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.	25.63	17.25	42.88
138	Temperature Control Installer	39.76	21.09	60.85
139	Terrazzo Finisher	20.00	0.52	20.52
140	Terrazzo Mechanic	31.18	17.35	48.53
141	Tile Finisher Future Increase(s): Add \$.20/hr on 1/ 5/2015	24.24	17.54	41.78
142	Tile Setter	30.38	17.33	47.71
143	Tuckpointer, Caulker or Cleaner Future Increase(s): Add \$1.35on 06/01/2015; Add \$1.45 on 06/01/2016 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.	34.28	18.48	52.76

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
144	Underwater Diver (Except on Great Lakes)	35.40	15.90	51.30
146	Well Driller or Pump Installer	25.32	15.65	40.97
147	Siding Installer	36.17	19.44	55.61
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	30.16	15.11	45.27
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	31.60	15.71	47.31
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.65	14.49	42.14
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.83	15.01	42.84
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	24.00	11.57	35.57

**TRUCK DRIVERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
201	Single Axle or Two Axle	34.07	18.10	52.17
203	Three or More Axle	23.49	12.02	35.51
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.60/hr on 5/30/2016.	33.02	18.70	51.72
205	Pavement Marking Vehicle	20.85	11.02	31.87
207	Truck Mechanic	23.49	12.02	35.51

**LABORERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
301	General Laborer Future Increase(s): Add \$1.35/hr eff. 06/01/2015; Add \$1.25/hr eff. 06/06/2016 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.	29.01	17.22	46.23
302	Asbestos Abatement Worker	22.05	19.16	41.21
303	Landscaper	15.44	11.20	26.64

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
310	Gas or Utility Pipeline Laborer (Other Than Sewer and Water)	20.13	17.79	37.92
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.	18.06	16.76	34.82
314	Railroad Track Laborer	14.50	4.39	18.89
315	Final Construction Clean-Up Worker	28.31	12.30	40.61

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

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
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 \$1.50/hr on 6/1/2015; Add \$1.60/hr on 5/30/2016.	34.47	18.70	53.17
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 \$1.50/hr on 6/1/2015; Add \$1.60/hr on 5/30/2016.	34.17	18.70	52.87

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
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. Future Increase(s): Add \$1.50/hr on 6/1/2015; Add \$1.60/hr on 5/30/2016.	34.17	18.70	52.87
504	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	41.65	21.71	63.36
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. Premium Increase(s): Add \$.50/hr for Friction Crane, Lattice Boom or Crane Certification (CCO).	41.65	21.71	63.36
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.	35.72	17.85	53.57
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.	35.46	20.40	55.86

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

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
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 \$1.55/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.	40.61	20.15	60.76

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
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 \$1.55/hr on 6/1/2015. Premium Increase(s): Crane Operators with CCO certification add \$.50/hr.	40.11	20.15	60.26
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 \$1.55/hr on 6/1/2015. Premium Increase(s): Crane Operators with CCO certification add \$.50/hr.	39.61	20.15	59.76
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 \$1.55/hr on 6/1/2015.	38.92	20.15	59.07

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
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 \$1.55/hr on 6/1/2015.	37.04	20.15	57.19
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 \$1.55/hr on 6/1/2015.	31.89	20.15	52.04
514	Gas or Utility Pipeline, Except Sewer & Water (Primary Equipment). Future Increase(s): Add \$1/hr on 6/1/2015; Add \$1/hr on 5/30/2016.	36.34	22.14	58.48
515	Gas or Utility Pipeline, Except Sewer & Water (Secondary Equipment). Future Increase(s): Add \$1.65/hr on 6/1/2015.	34.06	19.35	53.41
516	Fiber Optic Cable Equipment	28.89	17.95	46.84

<b>SEWER, WATER OR TUNNEL CONSTRUCTION</b>
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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).

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**SKILLED TRADES**

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<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		
		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
		\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason	35.37	17.99	53.36
105	Carpenter Future Increase(s): Add \$1.50/hr on 6/1/2015; Add \$1.65/hr on 6/1/2016. 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.	34.13	20.61	54.74
107	Cement Finisher Future Increase(s): 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.	35.18	16.78	51.96
109	Electrician	47.76	0.00	47.76
111	Fence Erector	23.73	19.09	42.82
116	Ironworker	31.50	20.01	51.51
118	Line Constructor (Electrical)	37.43	18.19	55.62
125	Pavement Marking Operator	30.10	18.08	48.18
126	Piledriver	29.56	25.71	55.27
130	Plumber	21.50	0.00	21.50
135	Steamfitter	39.76	21.09	60.85
137	Teledata Technician or Installer	24.89	17.15	42.04
143	Tuckpointer, Caulker or Cleaner	33.76	17.82	51.58
144	Underwater Diver (Except on Great Lakes)	35.40	15.90	51.30
146	Well Driller or Pump Installer	25.32	15.65	40.97
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	35.55	15.57	51.12

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	31.60	15.19	46.79
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.65	13.44	41.09
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.68	13.28	38.96
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.97	34.72

**TRUCK DRIVERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
201	Single Axle or Two Axle Future Increase(s): Add \$1.15/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.	25.18	18.31	43.49
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	20.85	11.02	31.87
207	Truck Mechanic	18.00	0.00	18.00

**LABORERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
301	General Laborer Future Increase(s): Add \$1.35/hr eff. 06/01/2015; Add \$1.25/hr eff. 06/06/2016 Premium Increase(s): Add \$2.29 for bottomman; Add \$2.15 for concrete manhole builder, bracer, jointman, or pipelayer; Add \$5.44 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.	29.16	17.72	46.88
303	Landscaper	39.43	0.00	39.43
304	Flagperson or Traffic Control Person	31.95	0.00	31.95
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.71	16.01	33.72

314	Railroad Track Laborer	14.50	4.39	18.89
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**HEAVY EQUIPMENT OPERATORS  
SEWER, WATER OR TUNNEL WORK**

**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> \$
521	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. Future Increase(s): Add \$1.55/hr on 6/1/2015. Premium Increase(s): Add \$.25/hr for operating tower crane.	37.24	20.10	57.34
522	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). Future Increase(s): Add \$1.55/hr on 6/1/2015. Premium Increase(s): Add \$.25/hr for operating tower crane.	36.46	20.10	56.56
523	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Boring Machine (Horizontal or Vertical); Bulldozer or Endloader (Over 40 hp); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Manhoist; Material or Stack Hoist; Mechanic or Welder; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket). Future Increase(s): Add \$1.55/hr on 6/1/2015. Premium Increase(s): Add \$.25/hr for operating tower crane.	35.51	20.10	55.61

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
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.	36.79	19.15	55.94
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.	50.50	0.42	50.92
526	Boiler (Temporary Heat); Forklift; Greaser; Oiler.	31.64	19.15	50.79
527	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	41.65	21.71	63.36
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.	41.65	21.71	63.36
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.	35.72	17.85	53.57
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.	35.46	20.40	55.86

<b>AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION</b>
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Includes all airport projects (excluding buildings) and all projects awarded by the Wisconsin Department of Transportation (excluding buildings).

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**SKILLED TRADES**

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<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		
		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
		\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason	35.37	17.99	53.36
105	Carpenter	33.68	19.99	53.67
107	Cement Finisher Future Increase(s): 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.	32.75	19.21	51.96
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.	33.93	22.77	56.70
111	Fence Erector	23.73	19.09	42.82
116	Ironworker 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.	30.77	23.97	54.74
118	Line Constructor (Electrical)	37.43	18.19	55.62
124	Painter	29.22	16.69	45.91
125	Pavement Marking Operator	30.27	18.79	49.06
126	Piledriver Future Increase(s): Add \$1.50/hr on 6/1/2015; Add \$1.60/hr on 6/1/2016. 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.	30.11	26.51	56.62
133	Roofer or Waterproofor	29.40	17.05	46.45

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
137	Teledata Technician or Installer	24.89	17.15	42.04
143	Tuckpointer, Caulker or Cleaner	33.76	17.82	51.58
144	Underwater Diver (Except on Great Lakes)	35.40	15.90	51.30
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	35.55	15.57	51.12
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	31.60	14.64	46.24
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.65	13.44	41.09
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.68	12.83	38.51
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	11.63	33.38

### TRUCK DRIVERS

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
201	Single Axle or Two Axle Future Increase(s): Add \$1.15/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.	25.18	18.31	43.49
203	Three or More Axle Future Increase(s): Add \$1.15/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.	25.28	18.31	43.59
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): 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: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a> .	30.27	21.15	51.42
205	Pavement Marking Vehicle	23.16	17.13	40.29
206	Shadow or Pilot Vehicle	24.37	17.77	42.14

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
207	Truck Mechanic	24.52	17.77	42.29
<b>LABORERS</b>				
<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>				
301	General Laborer Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 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).	27.06	20.03	47.09
302	Asbestos Abatement Worker	22.05	18.41	40.46
303	Landscaper Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 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 \$1.25/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).	27.06	20.03	47.09
304	Flagperson or Traffic Control Person	22.55	19.37	41.92
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.71	16.01	33.72
314	Railroad Track Laborer	14.50	4.39	18.89

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

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
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 \$1.25/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: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a> .	37.72	21.15	58.87
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 \$1.25/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: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a> .	37.22	21.15	58.37

**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> \$
533	<p>Air Track, Rotary or Percussion Drilling Machine &amp;/or Hammers, Blaster; Asphalt Heater, Planer &amp; 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. &amp; Under); Bituminous (Asphalt) Plant &amp; 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 &amp; Gutter Machine; Concrete Spreader &amp; 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 &amp; A-Frames.</p> <p>Future Increase(s):                      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 &amp; 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: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a>.</p>	36.72	21.15	57.87

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
534	<p>Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed &amp; Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver &amp; 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 \$1.25/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 &amp; 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: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a>.</p>	36.46	21.15	57.61
535	<p>Air Compressor (&amp;/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical &amp; Horizontal); Automatic Belt Conveyor &amp; Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&amp;/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 \$1.25/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 &amp; 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: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a>.</p>	36.17	21.15	57.32
536	Fiber Optic Cable Equipment.	28.89	17.95	46.84
537	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	41.65	21.71	63.36
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.	41.65	21.71	63.36

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
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.	35.72	17.85	53.57
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.	35.46	20.40	55.86

<b>LOCAL STREET OR MISCELLANEOUS PAVING CONSTRUCTION</b>
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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).

<b>SKILLED TRADES</b>
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<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
		<b>\$</b>	<b>\$</b>	<b>\$</b>
103	Bricklayer, Blocklayer or Stonemason	35.37	17.99	53.36
105	Carpenter Future Increase(s): Add \$1.42/hr on 6/1/2015; Add \$1.42/hr on 6/1/2016. 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.	32.72	16.00	48.72
107	Cement Finisher	30.96	18.53	49.49
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.	33.93	22.77	56.70
111	Fence Erector	23.73	19.09	42.82
116	Ironworker	30.52	23.47	53.99
118	Line Constructor (Electrical)	37.43	18.19	55.62
124	Painter	29.52	19.99	49.51
125	Pavement Marking Operator	30.10	18.08	48.18
126	Piledriver	29.56	25.71	55.27
133	Roofer or Waterproofer	29.40	17.05	46.45
137	Teledata Technician or Installer	24.89	17.15	42.04
143	Tuckpointer, Caulker or Cleaner	33.76	17.82	51.58
144	Underwater Diver (Except on Great Lakes)	35.40	15.90	51.30
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	35.55	15.57	51.12
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	31.60	15.19	46.79
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	27.65	13.44	41.09
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.68	13.28	38.96
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.97	34.72

**TRUCK DRIVERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
201	Single Axle or Two Axle Future Increase(s): Add \$1.15/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.	25.18	18.31	43.49
203	Three or More Axle	18.00	0.00	18.00
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.60/hr on 6/2/2015; Add \$1.60/hr on 6/3/2016.	33.69	19.78	53.47
205	Pavement Marking Vehicle	20.85	11.02	31.87
206	Shadow or Pilot Vehicle	24.37	17.77	42.14
207	Truck Mechanic	18.00	0.00	18.00

**LABORERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
301	General Laborer	24.75	19.69	44.44
303	Landscaper Future Increase(s): Add \$1.05/hr eff. 06/01/2015; Add \$1.00/hr eff. 06/01/2016; Add \$1.00/hr eff. 06/01/2017 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 \$1.25/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).	27.06	20.03	47.09
304	Flagperson or Traffic Control Person	25.67	12.66	38.33
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.71	16.01	33.72
314	Railroad Track Laborer	14.50	4.39	18.89

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

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
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 \$1.25/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: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a> .	37.72	21.15	58.87
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 \$1.25/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: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a> .	37.22	21.15	58.37

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
543	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.	35.72	17.85	53.57
544	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. Future Increase(s): 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: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a> .	36.46	21.15	57.61
545	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.	35.17	20.40	55.57
546	Fiber Optic Cable Equipment.	28.89	17.95	46.84

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>				
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
		<b>\$</b>	<b>\$</b>	<b>\$</b>
547	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	41.65	21.71	63.36
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.	41.65	21.71	63.36
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.	35.72	17.85	53.57
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.	35.46	20.40	55.86

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

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>				
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
		<b>\$</b>	<b>\$</b>	<b>\$</b>
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.	36.72	20.40	57.12
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 \$1.25/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: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a> .	37.22	21.15	58.37

**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> \$
553	<p>Air, Track, Rotary or Percussion Drilling Machine &amp;/or Hammers, Blaster; Asphalt Heater, Planer &amp; 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. &amp; Under); Bituminous (Asphalt) Plant &amp; 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 &amp; 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 &amp; A-Frames.</p> <p>Future Increase(s):                      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>	36.17	20.80	56.97
554	<p>Backfiller; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed &amp; Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver &amp; 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 \$1.25/hr on 6/1/2015; Add \$1.30/hr on 6/1/2016;                      Add \$1.25/hr on 6/1/2017.</p>	36.17	20.80	56.97

**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 (&amp;/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical &amp; Horizontal); Automatic Belt Conveyor &amp; Surge Bin; Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Generator (&amp;/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 \$1.25/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 &amp; 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: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a>.</p>	36.17	21.15	57.32
556	Fiber Optic Cable Equipment.	27.89	17.20	45.09

<b>RESIDENTIAL OR AGRICULTURAL CONSTRUCTION</b>
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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.

<b>SKILLED TRADES</b>
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<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	33.07	16.07	49.14
102	Boilermaker	32.05	28.04	60.09
103	Bricklayer, Blocklayer or Stonemason	23.89	4.78	28.67
104	Cabinet Installer	18.00	0.00	18.00
105	Carpenter	25.00	6.52	31.52
106	Carpet Layer or Soft Floor Coverer	30.00	0.00	30.00
107	Cement Finisher	26.60	3.99	30.59
108	Drywall Taper or Finisher	18.00	5.75	23.75
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.	33.93	22.77	56.70
110	Elevator Constructor	23.26	0.00	23.26
111	Fence Erector	19.00	1.34	20.34
112	Fire Sprinkler Fitter	39.00	18.00	57.00
113	Glazier Future Increase(s): Add \$.75/hr eff. 06/01/2015; Add \$.90/hr eff. 06/01/2016	37.07	14.42	51.49
114	Heat or Frost Insulator	33.43	25.81	59.24
115	Insulator (Batt or Blown)	20.00	0.00	20.00
116	Ironworker	31.50	11.33	42.83
117	Lather	25.00	6.52	31.52
119	Marble Finisher	20.00	0.52	20.52
120	Marble Mason	23.89	4.78	28.67
121	Metal Building Erector	18.00	5.88	23.88

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
123	Overhead Door Installer	28.00	1.61	29.61
124	Painter	18.00	4.50	22.50
125	Pavement Marking Operator	18.75	2.47	21.22
129	Plasterer	22.00	0.00	22.00
130	Plumber	36.47	20.47	56.94
132	Refrigeration Mechanic	17.00	13.52	30.52
133	Roofer or Waterproofer Future Increase(s): Add \$1.25/hr eff. 06/01/2015; Add \$1.25/hr eff. 06/01/2016	29.65	18.15	47.80
134	Sheet Metal Worker	26.13	20.22	46.35
135	Steamfitter	23.62	16.12	39.74
137	Teledata Technician or Installer	18.00	28.48	46.48
138	Temperature Control Installer	22.00	2.45	24.45
139	Terrazzo Finisher	20.00	0.52	20.52
140	Terrazzo Mechanic	30.71	16.52	47.23
141	Tile Finisher	23.77	16.52	40.29
142	Tile Setter	30.50	0.68	31.18
143	Tuckpointer, Caulker or Cleaner	14.00	8.75	22.75
146	Well Driller or Pump Installer	29.00	0.00	29.00
147	Siding Installer	17.00	0.65	17.65

#### TRUCK DRIVERS

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
201	Single Axle or Two Axle	17.25	5.70	22.95
203	Three or More Axle	23.49	14.07	37.56
205	Pavement Marking Vehicle	20.85	11.02	31.87
207	Truck Mechanic	23.49	14.07	37.56

**LABORERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
301	General Laborer	15.00	10.33	25.33
302	Asbestos Abatement Worker	16.50	8.21	24.71
303	Landscaper	12.00	0.00	12.00
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.71	16.01	33.72
315	Final Construction Clean-Up Worker	10.00	2.21	12.21

**HEAVY EQUIPMENT OPERATORS  
RESIDENTIAL OR AGRICULTURAL CONSTRUCTION**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
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, Timberco, 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.	36.06	19.02	55.08

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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.	36.79	18.81	55.60
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\*\*\*\*\* END OF RATES \*\*\*\*\*

# **Department of Public Works General Specifications**

Provisions of the Department of Public Works General Specifications dated January 31, 1992, and subsequent addenda, except as may be modified or expanded upon in this Invitation to Bid, shall apply to all contractors and subcontractors working on the project. For a copy, please go to the following link and click on “General Specifications”

[http://www.mpw.net/services/bids\\_home](http://www.mpw.net/services/bids_home)

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*Specifications*

**Department of Public Works  
Official Notice #120-1-2015**

**Century City 1 Development  
Asphalt Pavement  
3945 North 31<sup>st</sup> Street,  
Milwaukee, Wisconsin**

**Technical Specifications**

**DIVISION 01- GENERAL REQUIREMENTS**

01 10 00	Summary of Work
01 31 19	Project Meetings
01 33 00	Submittals and Requests for Information
01 40 00	Quality Control
01 57 00	Environmental Protection
01 70 00	Contract Closeout
01 71 23	Field Engineering

**APPENDIX A - DRAWINGS**

- Sigma Group Drawings – Sheet C 001 (For Reference Only)
- Sigma Group Drawings – Sheet C 002 (For Reference Only)
- Sigma Group Drawings – Sheet C 100
- Sigma Group Drawings – Sheet C 200
- Sigma Group Drawings – Sheet C 300 (For Reference Only)
- Sigma Group Drawings – Sheet C 401 (For Reference Only)
- Sigma Group Drawings – Sheet C 402
- Sigma Group Drawings – Sheet C 410

**SECTION 01 10 00  
SUMMARY OF WORK**

**PART 1 – GENERAL**

1.01 RELATED DOCUMENTS

- A. All of the Contract Documents including, Invitation to Bid, Instructions to Bidders, Forms, General Specifications, Technical Specifications and Drawings and Appendices apply to the Work in this Section and are hereby made part of this Section.
- B. The documents in Appendix A of the Specifications.

1.02 REFERENCES

- A. State of Wisconsin Department of Transportation Standard Specifications for Highway and Structure Construction, 2015 Edition.

1.03 DESCRIPTION OF WORK

- A. Generally, the Work under this contract includes providing all labor, materials, equipment and services to construct all asphalt pavements at the Century City 1 site (Site) at 3945 North 31<sup>st</sup> Street in Milwaukee, WI. The Work is summarized (though not completely) below:
  - 1. Construct standard duty asphalt pavement, per Drawings in Appendix A, at the parking lot at the east side of the site and at the north driveway.
  - 2. Construct heavy duty asphalt pavement, per Drawings in Appendix A, on the west side of the site and at the south driveway.
  - 3. Provide qualified surveying services for all layout and staking related to the Work.
  - 4. Fine grade, compact and proof roll pavement subgrade and gravel base.
  - 5. Provide qualified engineering and testing services to verify conformance with the Drawings, Specifications and the State of Wisconsin Department of Transportation Standard Specifications for Highway Construction.
  - 6. Parking stalls striping and decals.
  - 7. Furnish and install parking lot signs complete, including posts and fastenings.
- B. Contractor shall be responsible for all temporary facilities and utilities required to execute the Work, including, but not limited to, temporary water, temporary power and temporary sanitary facilities for Contractor's workers use.
- C. The Work includes all necessary coordination and cooperation with utility companies, City agencies, regulatory agencies and other City's contractors working on the Site or who are impacted by or will impact the Work.
- D. Contractor is responsible for clearing the site of any debris generated by the Work, all equipment related to the Work and restoring to its original condition any facilities or items, not included in the Work, that are damaged as a result of activities related to the Work.

- E. Contractor is responsible for site safety related to the Work and shall comply in all respects with all applicable Federal, State and Local safety regulations including current OSHA regulations.

1.04 WORK BY OTHERS

- A. All work noted as “by Others” in the Drawings or Specifications.

1.05 WORK NOT INCLUDED IN CONTRACT

- A. Work mentioned in the Drawings and Technical Specifications as not being a part of this contract.

1.06 WORK SEQUENCE

- A. Contractor shall construct the Work in a sequence that efficiently accommodates all of the Work requirements of the Contract Documents. The Contractor shall be wholly responsible for sequencing the work and shall submit a work sequence plan to the City for approval, prior to commencement of the Work.
- B. Contractor shall sequence the Work to coordinate with work being done by Others.

1.07 COORDINATION WITH OTHER CONTRACTORS ONSITE

- A. The Contractor shall coordinate, as provided in the Contract Documents and as directed by the City, with other contractors operating on the project site.

1.08 CONTRACTOR’S USE OF THE PREMISES

- A. The Contractor shall submit, for City approval, documents indicating the proposed location of storage, staging, site office and other operations.
  - 1. Once the location of the Contractor’s storage, staging, site office and other operations is approved by the City, the Contractor shall be responsible for the location.
    - a. The City will provide general security for the Century City site but the Contractor is responsible for the security of Contractor’s equipment and Contractor’s other property on the Site.
    - b. Contractor shall be wholly responsible for safety on the portions of the Site used by Contractor.
- B. The Contractor's use of the site, including the areas approved by the City for Contractor’s use, is limited by:
  - 1. The City's rights to perform work, employ separate contractors to perform work

and to provide access to the City's visitors at City's convenience.

2. Regulatory requirements for use of public thoroughfares adjoining the Work site.

#### 1.09 SITE CLEANING

- A. Contractor shall keep the site clean of rubbish, in accordance with the General Conditions and applicable regulations, throughout the duration of the project.
- B. Maintain the site in a manner to comply with codes, ordinances, regulations, and anti-pollution laws.
  1. Provide approved on-site containers for the collection of waste materials, debris, and rubbish.
- C. Remove waste materials, debris, and rubbish from the site at the end of the Work and dispose of in a legal manner away from the site.

#### **PART 2 – PRODUCTS (Not Used)**

#### **PART 3 – EXECUTION (Not Used)**

END OF SECTION

**SECTION 01 31 19  
PROJECT MEETINGS**

**PART 1 – GENERAL**

1.01 RELATED DOCUMENTS

- A. All of the Contract Documents including the General Specifications and General Requirements apply to the work in this Section.

1.02 SCOPE OF WORK

- A. The City will conduct project meetings in which the Contractor is required to participate and make available the appropriate personnel. These meetings include, but are not limited to the following:
1. Pre-construction Project Meeting.
  2. Project Progress Meetings.
  3. Other Project Meetings.

1.03 PRE-CONSTRUCTION PROJECT MEETINGS

- A. The City will schedule a pre-construction meeting within 5 days of issuance of the Notice to Proceed, to be attended by all project managers, Contractor's field superintendent other representatives of the Contractor and their major subcontractors. Prior to this time, Contractor shall make specified pre-construction submittals including the following:
1. Typed list of Contractor's sub-contractors, consultants and personnel, with names, titles, addresses, email addresses, and telephone numbers. Indicate at least two personnel who shall be the emergency contacts for the Project. Provide landline and mobile telephone information for the emergency contacts.
  2. Contractor's site specific health and safety plan.
  3. Typed list of the submittals required for the work as indicated in the individual Specification Sections, including a schedule for the submittals.
  4. Certificates of insurance.
  5. Schedule of Values.
  6. Permits.
  7. Specified bonds.
  8. Erosion control implementation plan.
  9. Dust control plan
- B. The pre-construction meeting agenda shall include the following:
1. Communication lines between all parties including written, electronic and verbal means.
  2. Processing applications for payment, including the format, schedule of values, frequency of applications, retainage, and other administrative

requirements.

3. Processing and distribution of submittals.
4. Maintenance of as-built and record documents.
5. Procedure for field changes, change estimates, contract modification orders, etc.
6. Site security.
7. Meeting schedule.

#### 1.04. PROJECT PROGRESS MEETINGS

- A. The City will conduct progress meetings at the Project site at bi-weekly intervals to address matters related to the Work including but not limited to, safety, schedule, cost, changes and issues. The Contractor shall at least have its project manager present at these meetings.

#### 1.05. OTHER PROJECT MEETINGS

- A. The City will conduct other project meetings, at any time, as required, in its judgment, to achieve the project objectives. These meetings could include, but are not limited to: coordination meetings, issue meetings, project payment meetings and substantial completion and completion meetings.

**PART 2 – PRODUCTS (Not Used)**

**PART 3 – EXECUTION (Not Used)**

END OF SECTION

**SECTION 01 33 00**  
**SUBMITTALS AND REQUESTS FOR INFORMATION**

**PART 1 – GENERAL**

1.01 RELATED DOCUMENTS

- A. All of the Contract Documents, including General Specifications, Specifications, Appendices, Attachments and Drawings.
  - 1. This Section contains general information that applies to all work performed under the Contract and is inherently made a part of each specification section.

1.02 SUMMARY OF WORK

- A. The Scope of Work in this section includes, but is not limited to, the following:
  - 1. Product Data and Samples.
  - 2. Project schedule.
  - 3. Work logistics and plans.
  - 4. Construction photographs.
  - 5. Contractor's Request for Information (RFI).
  - 6. Any information needed to complete the Work.
  - 7. Worker certifications
  - 8. Contaminated/hazardous material disposal manifests
  - 9. Dust Control Plan

1.03 PRODUCT DATA AND SAMPLES

- A. Required Submittals: Submit, product data, initial selection samples, verification samples, schedules and all other submittals as specified for each part of the work.
  - 1. Substitutions: Where a submittal proposes a material or product different than specified, clearly note substitution on the submittal for each item. Contractor's submittal and City's acceptance of submittals is not a valid request for, nor an approval of, a substitution, unless the Contractor presents this information when first submitted as a formal "Request for Substitution".
- B. Submittal Schedule: Within 10 days after award of contract and before first application for payment, prepare list of submittals in chronological sequence showing all submittals and proposed date first due at City or its Agent's office and proposed date due to be returned to Contractor. Use Submittal Reference Numbers on submittal schedule as indicated below. Allow proper time for reviewing each submission and time for resubmission, if needed. Make first submission of a submittal no more than 7 days after notice of Award of Contract.
- C. Contractor's Preparation of Submittals: Modify and customize all submittals to show interface and coordination with adjacent work and actual field conditions. Identify each

submittal with name of project, date of origination, Contractor's name, subcontractor's name, manufacturer's name, fabricator's name, submittal name and description, and individual Submittal Reference. Use the Submittal Reference Number exclusively in communications about submittals. Clearly note and fully describe all qualifications and all deviations from the requirements of the Contract Documents. Stamp, date, and sign each submittal to show the Contractor's review and approval of each submittal before delivery to City or its Agent's office. Unstamped, undated or unsigned submittals will be returned without action by the City or its Agent. Leave minimum 4" x 6" open space for City or its Agent's stamp and notations.

- D. Product Data: Provide manufacturer's printed literature including, without limitation, manufacturer's standard printed description of product, materials and construction, recommendations for application and use, certification of compliance with standards, instructions for installation, and special coordination requirements. Collect data into one submittal for each unit of work or system; clearly mark each copy with ink to show which choices and options are applicable to project.
1. Product Data Submittal Quantities: Submit at least five copies. City or its Agent will return two copies to the Contractor if not rejected; if rejected, only one copy will be returned. Provide, reproduce, and distribute additional copies as needed.
  2. Installer Copy: Verify that the Installer has a current copy of the relevant product data, including installation instructions, before permitting installation to begin.
- E. Samples: Provide at least two sample units for each sample submission. Sample units shall be identical to final materials and products installed in the work and shall clearly show the complete and full range of finish, color, texture and appearance variations expected. Work in the field which falls outside the accepted range shown by the samples shall be rejected. Where indicated, prepare samples to match City or its Agent's sample. Label each sample with description, source, varietal name or manufacturer's name and model number. City or its Agent will review samples for confirmation of visual design intent, color, pattern, texture and type only; City or its Agent will not test samples for compliance with other Contract requirements that shall remain the exclusive responsibility of the Contractor.
1. Initial Selection Samples Submittal Quantities: For initial selection purposes, submit one set of samples showing the complete range of colors and finishes available.
  2. Verification Samples Submittal Quantities: For verification of an initial selection, submit two sets of samples; one set will be returned to Contractor to be maintained at project site for quality control comparisons. Discard rejected samples; do not store at the site.
  3. Additional Samples: The City and City or its Agent reserve the right to require additional samples or samples not listed in the Contract Documents. Provide these samples as indicated for specified samples.
  4. If samples are rejected, Contractor shall provide, at no additional cost, additional samples until accepted by the City or its Agent.
- F. Timing of Submittals: Submit submittals in a timely fashion to allow at least 5 business

days for the City or its Agent's review and handling. For submittals which have to be reviewed by the City or its Agent and his/ her project team sub-consultants add five more business days for each consultant.

1. Testing: Submit samples and materials for testing sufficiently in advance of need for use on Project. Allow adequate time for testing and, if necessary, re-testing.
2. Allow sufficient time for review and acceptance of mock-ups/ sample panels before performing work.

G. City or its Agent's Action on Submittals: City or its Agent will review submittals, stamp with "action stamp", mark action, and return to Contractor. City or its Agent will review submittals only for conformance with the design concept of the project. The Contractor is responsible for confirming compliance with other Contract requirements, including without limitation, performance requirements, field dimensions, fabrication methods, means, methods, techniques, sequences and procedures of construction, and coordination with other work. The City or its Agent's review and approval of submittals shall be held to the limitations stated in the General Conditions of the Contract for Construction. In no case shall approval or acceptance by the City or its Agent be interpreted as a release of Contractor of his responsibilities to fulfill all of the requirements of the Contract Documents. City or its Agent's action will be one of the following:

1. Reviewed: When so marked, City or its Agent and his/ her sub-consultants are indicating that they have reviewed the submittal but do not assume responsibility for the use of that submittal.
2. Accepted: When so marked, the work covered by the submittal may proceed provided it complies with the requirements of the Contract Documents. Acceptance of the work will be based on that compliance.
3. Accepted Subject to Condition as Noted: When so marked, the work covered by the submittal may proceed provided it complies with the requirements of the Contract Documents and the City or its Agent's notes and comments. Acceptance of the work shall be based on that compliance.
4. Resubmission Required: Do not permit submittals with this action marking to be used at the project site or elsewhere where work is in progress.
  - a. Submit Additional Item as Noted: When so marked, resubmit the item[s] noted.
  - b. Revise Submission as Noted and Resubmit: When so marked, make corrections or changes to original submittal or prepare a new submittal and resubmit to City or its Agent for additional review.
5. Disapproved: When so marked, prepare a new submittal and resubmit to City or its Agent for review. Do not permit submittals with this action marking to be used at the project site or elsewhere where work is in progress.
6. Incomplete, illegible, erroneous or other faulty submittals shall be returned to Contractor without any submittal designation. The Contractor shall correct the submittal and return it for additional review.
7. Distribution of submittals: When submittal is noted "accepted" or "accepted subject to conditions as noted", make prints or copies and distribute to City,

Subcontractors involved, and to all other parties requiring information from the submittal for performance or coordination of related work within 10 calendar days after date of City or its Agent's action. Provide and pay for all copies of submittals as reasonably necessary for proper completion of the Work. Print shop drawings for distribution only from the final approved reproducible drawing. Maintain one complete set of submittals at the project site in a neat, organized file.

#### 1.04 MANUFACTURER'S CERTIFICATES AND TEST RESULTS

- A. Submit manufacturer's certificates required by individual Sections.
- B. Indicate that the product complies with or exceeds specified requirements. Submit supporting reference data, affidavits and/or certifications as appropriate.
- C. Certificates that are not current must be acceptable to the City or its Agent.

#### 1.05 WORKERS' CERTIFICATION

- A. Contractor is to submit to the City or its Agent, documentation that proves all workers involved in asbestos abatement or any hazardous material handling work have the required certifications.
- B. Contractor is to submit to the City or its Agent, documentation that proves all workers involved in soil remediation or any hazardous material handling work have the required 40-hour HAZWOPER training, and annual refresher training, if required.
- C. Contractor is to submit to the City or its Agent, documentation that proves that all workers are certified as to discipline or trade as required in permits issued to complete the work

#### 1.06 REQUESTS FOR INFORMATION

- A. When the Contractor encounters any question concerning the Work or when he/ she requires additional information to perform the Work, the Contractor shall submit a written Request for Information (RFI), on the approved form, as attached, to the City or its Agent. The RFI shall contain the project name, names and addresses of the Contractor, City and City or its Agent, RFI number, related drawings and specification numbers, nature of the question, space for a reply, and due date for the response.
- B. The Contractor shall number the RFI's sequentially and shall keep a record of all RFI s and their responses.
- C. Each RFI shall pertain to one topic only. Topics shall not be mixed on RFIs.

**PART 2 – PRODUCTS (Not Used)**

**PART 3 – EXECUTION (Not Used)**

END OF SECTION

**SECTION 01 40 00**  
**QUALITY REQUIREMENTS**

**PART 1 – GENERAL**

1.01 RELATED DOCUMENTS

- A. All of the Contract Documents, including General Specifications, Specifications and Drawings.
- B. This Section contains general information that applies to all work performed under the Contract and is inherently made a part of each specification section.

1.02 SUMMARY OF WORK

- A. The Contractor shall procure permits and implement procedures, including testing as required to ensure that all Work complies with the applicable regulatory requirements and the quality requirements of the Contract Documents.
  - 1. The City may arrange for a qualified Testing Laboratory or other inspection or measurement services, to verify compliance with requirements specified or indicated. These services do not relieve Contractor of responsibility for compliance with the Contract Document requirements.
  - 2. Specified tests, inspections, and related actions do not limit Contractor's quality-control procedures that facilitate compliance with the Contract Document requirements.
  - 3. Requirements for Contractor to provide quality-control services required by City or its Agent, or authorities having jurisdiction are not limited by provisions of this Section.
- B. See the respective sections of the Technical Specifications for specific test and inspection requirements.
- C. Contractor shall provide, quality-control services to verify conformance of the Work with the requirements of the Specifications.

1.03 PERMITS

- A. Contractor shall procure applicable local, state, and federal permits for the Work. Contractor is responsible for verifying that all applicable permits have been obtained for the Work.
  - 1. Contractor shall conform to the existing Century City site WPDES permit
- B. The contractor shall be responsible for implementing and maintaining the requirements of applicable permits whether the permit was obtained by Contractor or by City.

1.04 DEFINITIONS

- A. Quality-Assurance Services: Activities, actions, and procedures performed before and during execution of the Work to guard against defects and deficiencies and ensure that proposed construction complies with requirements.
- B. Quality-Control Services: Tests, inspections, procedures, and related actions during and after execution of the Work to evaluate that completed construction comply with requirements. Services do not include contract enforcement activities performed by City or its Agent.
- C. Testing Agency: An entity engaged to perform specific tests, inspections, or both. Testing laboratory shall mean the same as testing agency.

1.05 SUBMITTALS

- A. Qualification Data: For testing agencies specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include proof of qualifications in the form of a recent report on the inspection of the testing agency by a recognized authority.
- B. Reports: When required by the Contract Documents or when requested by the City, prepare and submit certified written reports that include the following:
  - 1. Date of issue.
  - 2. Project title and number.
  - 3. Name, address, and telephone number of testing agency.
  - 4. Dates and locations of samples and tests or inspections.
  - 5. Names of individuals making tests and inspections.
  - 6. Description of the Work and test and inspection method.
  - 7. Identification of product and Specification Section.
  - 8. Complete test or inspection data.
  - 9. Test and inspection results and an interpretation of test results.
  - 10. Ambient conditions at time of sample taking and testing and inspecting.
  - 11. Comments or professional opinion on whether tested or inspected Work complies with the Contract Document requirements.
  - 12. Name and signature of laboratory inspector.
  - 13. Recommendations on retesting and re-inspecting.
- C. Permits, Licenses, and Certificates: For City's records, submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, correspondence, records, and similar documents, established for compliance with standards and regulations bearing on performance of the Work.

1.06 QUALITY ASSURANCE

- A. Professional Engineer Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those

performed for installations of the system, assembly, or products that are similar to those indicated for this Project in material, design, and extent.

- B. Testing Agency Qualifications: An agency with the experience and capability to conduct testing and inspecting indicated, as documented by ASTM E 548, and that specializes in types of tests and inspections to be performed.

## 1.07 QUALITY CONTROL

- A. City Responsibilities: Where quality-control services are indicated as City's responsibility, City will engage a qualified testing agency to perform these services.
  - 1. City will furnish Contractor with names addresses, and telephone numbers of testing agencies engaged and a description of the types of testing and inspecting they are engaged to perform.
  - 2. Costs for retesting and re-inspecting construction that replaces or is necessitated by work that failed to comply with the Contract Documents will be charged to Contractor.
- B. Contractor Responsibilities: Unless otherwise indicated, provide quality-control services specified and required by authorities having jurisdiction.
  - 1. Where services are indicated as Contractor's responsibility, engage a qualified testing agency to perform these quality-control services. Contractor shall not employ the same entity engaged by City, unless agreed to in writing by City.
  - 2. Notify testing agencies at least 24 hours in advance of time when Work that requires testing or inspecting will be performed.
  - 3. Where quality-control services are indicated as Contractor's responsibility, submit a certified written report, in duplicate, of each quality-control service.
  - 4. Testing and inspecting requested by Contractor and not required by the Contract Documents are Contractor's responsibility.
  - 5. Submit additional copies of each written report directly to authorities having jurisdiction, when they so direct.
- C. Retesting/Re-inspecting: Regardless of whether original tests or inspections were Contractor's responsibility, provide quality-control services, including retesting and re-inspecting, for construction that revised or replaced Work that failed to comply with requirements established by the Contract Documents.
- D. Testing Agency Responsibilities:
  - 1. Cooperate with the City or its Agent, and Contractor in performance of duties. Provide qualified personnel to perform required tests and inspections.
  - 2. Notify City or its Agent and Contractor promptly of irregularities or deficiencies observed in the Work during performance of its services.
  - 3. Interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from requirements.
  - 4. Submit a certified written report, in duplicate of each test, inspection, and similar quality-control service through Contractor.

5. The testing agency shall not release, revoke, alter, or increase requirements of the Contract Documents or approve or accept any portion of the Work.
  6. The testing agency shall not perform any duties of Contractor.
- E. Associated Services: Cooperate with agencies performing required tests, inspections, and similar quality-control services, and provide reasonable auxiliary services as requested. Notify agency sufficiently in advance of operations to permit assignment of personnel. Provide the following:
1. Access to the Work.
  2. Incidental labor and facilities necessary to facilitate tests and inspections.
  3. Adequate quantities of representative samples of materials that require testing and inspecting. Assist agency in obtaining samples.
  4. Facilities for storage and field-curing of test samples.
  5. Preliminary design mix proposed for use for material mixes that require control by testing agency.
- F. Coordination: Coordinate sequence of activities to accommodate required quality-assurance and quality-control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.

**PART 2 – PRODUCTS (Not Used)**

**PART 3 – EXECUTION**

**3.01 REPAIR AND PROTECTION**

- A. General: On completion of testing, inspecting, sample taking, and similar services, repair damaged construction and restore substrates and finishes.
- B. Protect construction exposed by or for quality-control service activities.
- C. Repair and protection are Contractor's responsibility, regardless of the assignment of responsibility for quality-control services.

END OF SECTION

**SECTION 01 57 00**  
**ENVIRONMENTAL PROTECTION**

**PART 1 - GENERAL**

1.01 SUMMARY

- A. Contractor, in executing Work, shall maintain Work areas on- and off-site free from environmental pollution that would be in violation of federal, state or local regulations.
- B. Payment:
  - 1. Work specified in this section is incidental to the Work and should be included as part of appropriate lump sum or unit prices specified in Bid Form.

1.02 RELATED SECTIONS

- A. All sections of these Specifications are related to this section.

1.03 REFERENCES

- A. City of Milwaukee Code of Ordinances Vol. 2, Chapter 290 – Erosion Control
- B. Wisconsin Department of Transportation Standard Specification for Highway and Structure Construction
- C. WPDES Permit.

1.04 PROTECTION OF SEWERS

- A. Prevent construction material, pavement, concrete, earth or other debris from entering existing culverts or sewer structures.

1.05 EROSION AND SEDIMENT CONTROL

- A. Comply with provisions of City of Milwaukee Code of Ordinances Vol. 2, Chapter 290 – Erosion Control
- B. Apply appropriate soil conservation measures to protect project area and adjacent lands. These measures may include, but not be limited to, mulching, rapid growth vegetation, fabric mat, hay bales, filter barriers, sediment traps, and basins.
- C. Select methods of erosion and sediment control for specific job site.
  - 1. Contractor shall develop an erosion control plan and shall submit the plan to the City for review and approval.
  - 2. Adjust sediment control measures in field to meet conditions encountered.

- D. Install erosion control measures before commencing work on project site.
  - 1. Maintain erosion control measure during course of construction.
  - 2. Remove erosion control measures upon establishment of permanent, surface stabilization.
- E. All products used must be listed on the Wisconsin Department of Transportation's erosion control acceptability list.
- F. All erosion control devices shall be installed as indicated in accordance with section 628 of the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, Current Edition.
- G. Maintenance of the erosion control devices shall be performed in accordance with all applicable standards and permits, including the Wisconsin Pollution Discharge Elimination System (WPDES) permit

#### 1.06 DISPOSAL OF EXCESS EXCAVATED AND OTHER WASTE MATERIALS

- A. Excess excavated material not required or unsuitable for backfill, and other waste material shall be disposed of in accordance with state and local solid and hazardous waste regulatory requirements.
- B. Provide watertight conveyance for liquid, semi-liquid or saturated solids which tend to bleed during transport. Liquid loss from transported materials is not permitted, whether being delivered to construction site or hauled away for disposal. Fluid materials hauled for disposal must be specifically acceptable at selected disposal site.

#### 1.07 PROTECTION OF AIR QUALITY

- A. Minimize air pollution by use of properly operating combustion emission control devices on construction vehicles and equipment and encourage shutdown of motorized equipment not in use.
- B. Do not burn trash on construction site.
- C. If temporary heating devices are necessary for protection of Work, they shall not cause air pollution.

#### 1.08 THAWING OF FROZEN GROUND

- A. Obtain permit from appropriate local authority before building fire to thaw frozen ground, and comply with conditions of permit.

- B. Use fuel which does not create air pollution or inconvenience public.
- C. Engineer reserves right to prohibit fires for thawing whenever deemed undesirable.

1.09 USE OF CHEMICALS

- A. Chemicals used during project construction or furnished for project operation, whether herbicide, pesticide, disinfectant, polymer, reactant or of other classification, shall be approved by U.S. EPA or U.S. Department of Agriculture or any other applicable regulatory agency.
- B. Use and disposal of chemicals and residues shall comply with manufacturer's instructions.

1.10 NOISE CONTROL

- A. Conduct operations to cause least annoyance to residents in vicinity of Work, and comply with applicable local ordinances.
- B. Equip compressors, hoists, and other apparatus with mechanical devices necessary to minimize noise and dust. Equip compressors with silencers on intake lines.
- C. Equip gasoline or oil-operated equipment with silencers or mufflers on intake and exhaust lines.
- D. Line storage bins and hoppers with material that will deaden sounds.
- E. Conduct operation of dumping rock and of carrying rock away in trucks so as to cause minimum of noise and dust.
- F. Route vehicles carrying rock, concrete or other material over such streets as will cause least annoyance to public and do not operate on public streets between hours of 6:00 p.m. and 7:00 a.m., or on Saturdays, Sundays or legal holidays unless approved by City.

1.11 DUST CONTROL

- A. Contractor shall develop and implement a dust control plan that ensures conformance with the dust control standards of the Wisconsin DNR, the City of Milwaukee Code of Ordinances and other applicable federal, state and local standards, at all times during the Work.
- B. If dust emissions are problematic, the Contractor will identify the source of emissions and take corrective action, at no additional cost to the City.

- C. Contractor shall submit for review, to the City or its Agent, a dust control plan that outlines the methodology and materials that will be employed in the dust control during the Work.
- D. Any anti-freeze that is added to the water for dust control on the project site shall be approved by the Wisconsin Department of Natural Resources prior to its use on the site.

1.12 FUELS AND LUBRICANTS

- A. Project site is within well recharge area.
- B. Minimize use of potentially hazardous materials including fuels and lubricants.
- C. Keep motorized equipment in good working order with no fuel or lubricant leakage. Protect ground surface from leakage using tarps or other material methods.
- D. If grease, oil, solvent, or other residue from Contractor operations occurs, Contractor shall conduct remedial investigation and remediate as required by City.
- E. Do not change oil on equipment or store or dispose of fuels, solvents, lubricants, or other potentially hazardous materials on Site.

**PART 2 – PRODUCTS (Not Used)**

**PART 3 – EXECUTION (Not Used)**

END OF SECTION

**SECTION 01 70 00**  
**CONTRACT CLOSEOUT REQUIREMENTS**

**PART 1 – GENERAL**

1.01 RELATED DOCUMENTS

- A. All of the Contract Documents, including General Specifications and other requirements of the Specifications apply to the work of this Section and are hereby made a part of this Section.

1.02 SCOPE OF WORK

- A. This Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
  - 1. Inspection and acceptance procedures.
  - 2. Project Record Documents.
  - 3. Punch List.
  - 4. Final cleaning.
- B. See Technical Specifications for specific closeout and special cleaning requirements for products of those Sections.

1.03 SUBSTANTIAL COMPLETION

- A. Preliminary Procedures: Before requesting inspection for determining date of Substantial Completion, complete the following. List items below that are incomplete in request.
  - 1. Prepare a list of items to be completed and corrected (punch list), the value of items on the list, and reasons why the Work is not complete.
  - 2. Advise City of pending insurance changeover requirements.
  - 3. Submit specific warranties, workmanship bonds, maintenance service agreements, final certifications, waste disposal manifests (contaminated soil, sewer sediment, and asbestos), and similar documents.
  - 4. Obtain and submit releases permitting City unrestricted use of the Work and access to services and utilities.
  - 5. Prepare and submit Project Record, Final Completion construction photographs, damage or settlement surveys, and similar final record information.
  - 6. Legally dispose of materials not returned or retained by the City.
  - 7. Terminate and remove temporary facilities from Project site, along with mockups, construction tools, and similar elements.
  - 8. Advise City of changeover for all utilities.
  - 9. Complete final cleaning requirements.
  - 10. Touch up and otherwise repair and restore pavements, fences and other features that were damaged by the Work.
- B. Inspection: Submit a written request for inspection for Substantial Completion. On receipt of request, City or its Agent will either proceed with inspection or notify Contractor of unfulfilled requirements. City or its Agent will prepare the Certificate of Substantial

Completion after inspection or will notify Contractor of items, either on Contractor's list or additional items identified by City or its Agent, that must be completed or corrected before certificate will be issued.

1. Re-inspection: Request re-inspection when the Work identified in previous inspections (the Punch List) as incomplete is completed or corrected.
2. Results of completed inspection will form the basis of requirements for Final Completion.

#### 1.04 FINAL COMPLETION

- A. Preliminary Procedures: Before requesting final inspection for determining date of Final Completion, complete the following:
  1. Submit a final Application for Payment according to the General Conditions and the Specifications
  2. Submit certified copy of City or its Agent's Substantial Completion inspection list of items to be completed or corrected (punch list), endorsed and dated by City or its Agent. The certified copy of the list shall state that each item has been completed or otherwise resolved for acceptance.
  3. Submit evidence of final, continuing insurance coverage complying with insurance requirements.
- B. Inspection: Submit a written request for final inspection for Final Acceptance. On receipt of request, City or its Agent will either proceed with inspection or notify Contractor of unfulfilled requirements. City or its Agent will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.
  1. Re-inspection: Request re-inspection when the Work identified in previous inspections as incomplete is completed or corrected.
- C. The City or its Agent shall establish the date of Final Acceptance and submit written notice of that date. The warranty and maintenance periods will not commence until the City or its Agent has made a Final Acceptance of the Project.

#### 1.05 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

- A. Preparation: Submit three copies of Punch List. Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.

#### 1.06 PROJECT RECORD AND AS-BUILT DOCUMENTS

- A. General: Do not use Project Record Documents for construction purposes. Protect Project Record Documents from deterioration and loss. Provide access to Project Record Documents for City or its Agent's reference during normal working hours.

- B. Maintain field record documents neatly and accurately, and carefully record information regularly as the work progresses. Include in record documents all field changes made to the original Contract Documents, all change order modifications, all construction change directives, all field directions and instructions from the City or its Agent, all relevant dimensions, and all relevant details of the work. Information and locations of work that is readily obvious does not need to be recorded in record documents. Keep record documents up to date at all times.
  - 1. Progress Payments: Maintaining record documents accurately and up to-date shall be a prerequisite for approval of Contractor's application for progress payments.
  - 2. Record Documents Required: The following record documents are required:
    - a. Record specifications.
    - b. Waste disposal manifests.
- C. Record Submittals: Product Data, and other data shall be assembled in sequential order of the specification format and provided to the City.

1.07 FINAL CLEANING

- A. General: Just prior to Final Acceptance provide final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
- B. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a portion of Project:
  - 1. Clean Project site, yard, and grounds in areas disturbed by construction activities, including landscape development areas, of debris, rubbish, waste material, litter, and other foreign substances.
  - 2. Sweep paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
  - 3. Rake grounds that are neither planted nor paved to a smooth, even-textured surface.
  - 4. Remove tools, construction equipment, machinery, and surplus material from Project site.
  - 5. Leave Project site clean.
- C. Comply with safety standards for cleaning. Do not burn waste materials. Do not bury debris or excess materials on City's property. Do not discharge volatile, harmful, or dangerous materials or any chemicals into drainage systems. Remove waste materials from Project site and dispose of lawfully.

**PART 2 – PRODUCTS (Not Used)**

**PART 3 – EXECUTION (Not Used)**

END OF SECTION

**SECTION 01 71 23  
FIELD ENGINEERING**

**PART 1 – GENERAL**

1.01 RELATED DOCUMENTS

- A. All of the Contract Documents, including General Specifications and Specifications, Appendices and Drawings, apply to the work of this Section and are hereby made a part of this Section.

1.02 SCOPE OF WORK

- A. This Section specifies administrative and procedural requirements for field engineering services, including, but not necessarily limited to, the following:
  - 1. Land Survey Work.
  - 2. Establishment and maintenance of layout and elevation control points.
  - 3. Horizontal and vertical layout of all site improvements for review by the City or its Agent prior to and during construction.

1.03 SUBMITTALS

- A. Project Record and As-Built Documents: Submit a record of work performed and record survey data as required under provisions of sections "Submittals" and "Contract Closeout".
- B. When requested by the City or its Agent, provide supplemental horizontal and vertical data to aid in the design or construction of the Work. Provide supplementary data at no additional cost to the Project.

1.04 QUALITY ASSURANCE

- A. Surveyor: The Contractor shall engage a Registered Land Surveyor, registered in the state of Wisconsin to perform land/building surveying services required.

1.05 EXAMINATION

- A. Verify layout information shown on the Drawings, in relation to the property survey and existing benchmarks before proceeding to lay out the work. Locate and protect existing benchmarks and control points. Preserve permanent reference points during construction.
  - 1. Establish existing control points in areas convenient to but outside of Work area, prior to the commencement of any Work. Confer with City's Agent prior to reestablishing control points.
  - 2. Do not change or relocate benchmarks or control points without prior written approval. Promptly report lost or destroyed reference points, or requirements to relocate reference points because of necessary changes in grades or locations. Base replacements on the original survey control points.

- B. Establish and maintain a minimum of two permanent benchmarks on the site, referenced to data established by survey control points. Record benchmark locations, with horizontal and vertical data, on Project Record Documents.
- C. Existing utilities and equipment: The existence and location of underground and other utilities and construction indicated as existing are not guaranteed. Before beginning site work, investigate and verify the existence and location of underground utilities and other construction.
  - 1. Prior to construction, verify the location and invert elevation at points of connection of sanitary sewer, storm sewer and water service piping.

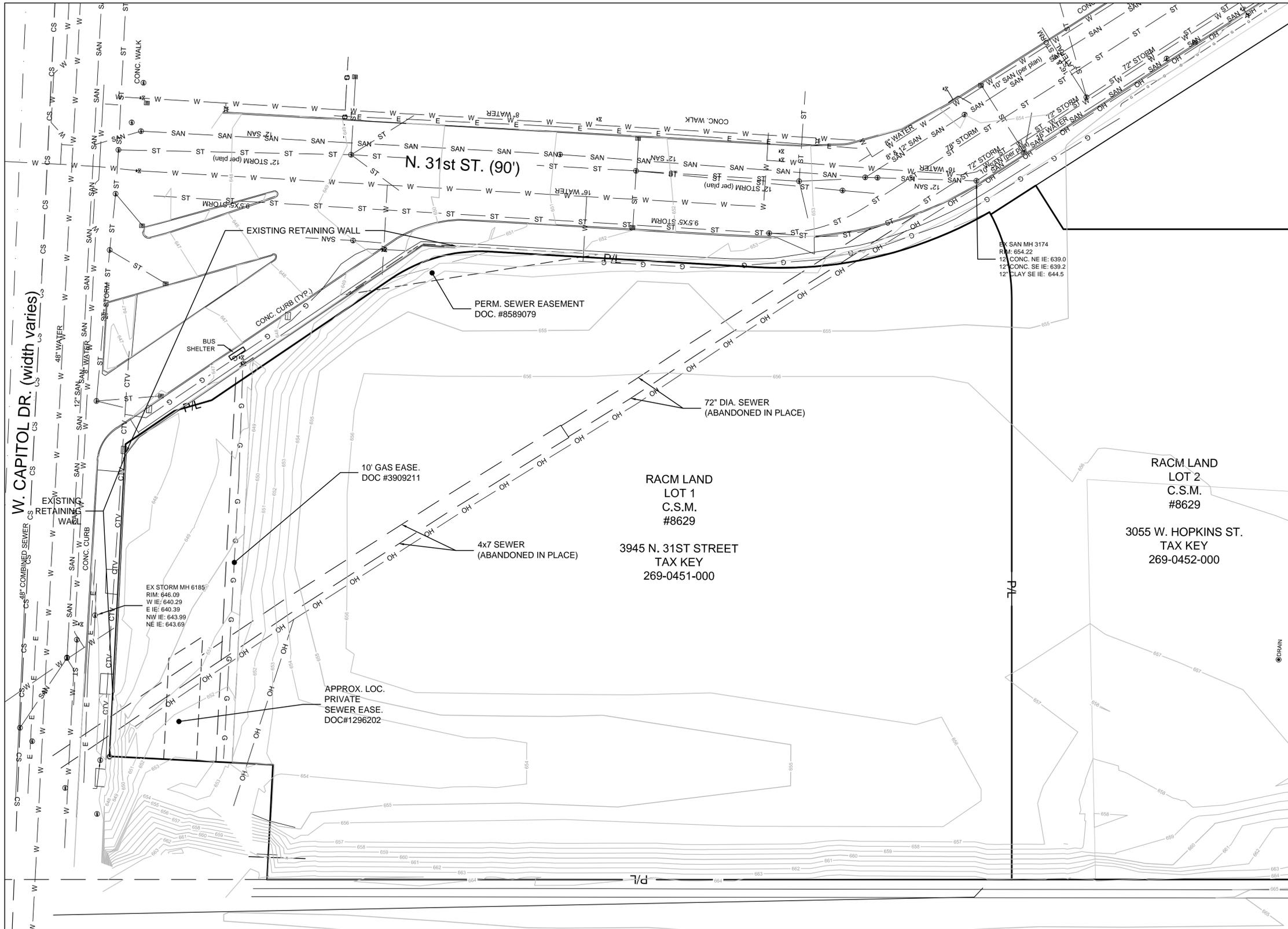
1.06 PERFORMANCE

- A. Working from lines and levels established by the property survey, establish benchmarks and markers to set lines and levels at each area of work and elsewhere as needed to properly locate each element of the Project. Calculate and measure required dimensions within indicated or recognized tolerances. Do not scale Drawings to determine dimensions.
  - 1. Advise entities engaged in construction activities of marked lines and levels provided for their use.
  - 2. As construction proceeds, check every major element for line, level and plumb.
- B. Surveyor's Log: Maintain a surveyor's log of control points, benchmarks, and other survey work. Make this log available for reference.
- C. Record deviations from required lines and levels, and advise the City's Agent when deviations that exceed indicated or recognized tolerances are detected. On Project Record Drawings, record deviations that are accepted and not corrected.
- D. Site Improvements: Locate and lay out site improvements horizontally and vertically, including but not limited to, pavements, bases, foundations, steps, walls, wood elements, stakes for grading, fill and topsoil placement, utilities, utility slopes and invert elevations, benches, lights, and planting by instrumentation and similar appropriate means.
  - 1. The City or its Agent shall review and accept the horizontal and vertical layout before construction begins. No Work shall be installed without the City or its Agent's acceptance of the layout.
  - 2. Work with City or its Agent to set up string line or other layout aides necessary to review horizontal and vertical alignment of site improvements.
  - 3. Provide horizontal and vertical layout information prior to beginning construction and as construction proceeds. City or its Agent shall have the right to request confirmation of all vertical and horizontal layouts of site improvements before, during and after construction.
- E. Existing Utilities: If the Work impacts existing utilities that are to remain, furnish information necessary to adjust, move or relocate existing structures, utility poles, lines, services or other appurtenances located in, or affected by construction. Coordinate with local authorities and public/ private utilities having jurisdiction.

**PART 2 – PRODUCTS (Not Used)**

**PART 3 – EXECUTION (Not Used)**

END OF SECTION



**LEGEND:**

---	SECTION 1/4 SECTION LINE
---	PROPERTY LINE
---	EASEMENT
-X-X-X-	CHAIN LINK FENCE
~	TREE LINE
OH	OVERHEAD UTILITY LINE
E	ELECTRIC
T	TELEPHONE
FO	FIBER OPTIC
CTV	CABLE TV
SAN	SANITARY SEWER
FM	FORCE MAIN
ST	STORM SEWER
W	WATER MAIN
G	GAS
---	EXISTING CONTOUR
○	MANHOLE
⊙	CATCH BASIN
⊙	CATCH BASIN (ROUND)
●	ROOF DRAIN
⊙	HYDRANT
⊙	WATER VALVE
⊙	GAS VALVE
⊙	UTILITY POLE
⊙	GUY WIRE
⊙	GAS METER
⊙	ELECTRIC METER
⊙	UTILITY PEDESTAL
⊙	TRAFFIC SIGNAL
⊙	LIGHT POLE
⊙	SOIL BORING
⊙	MONITORING WELL
○	IRON PIPE FOUND/SET
⊙	REBAR FOUND/SET
⊙	CHISELED CROSS FOUND/SET
⊙	PK NAIL FOUND/SET
⊙	SPIKE/NAIL
⊙	MONUMENT
⊙	BENCHMARK
⊙	SIGN
⊙	DECIDUOUS TREE
⊙	CONIFEROUS TREE
⊙	BUSH
⊙	POST

**GENERAL NOTES:**

1. THE UNDERGROUND UTILITY INFORMATION SHOWN ON THIS DRAWING IS BASED ON FIELD LOCATIONS AND/OR RECORDS FURNISHED BY MUNICIPALITIES AND UTILITY COMPANIES. THE LOCATION AND ACCURACY OF WHICH CANNOT BE GUARANTEED. THERE MAY BE ADDITIONAL UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
2. VERIFY ACTUAL LOCATIONS AND INVERTS IN THE FIELD. ANY POTENTIAL ERRORS, OMISSIONS, OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. DRAWING IS BASED ON FIELD SURVEY COMPLETED BY THE SIGMA GROUP. EXISTING TOPOGRAPHY IS BASED ON GRADES PROVIDED BY CITY OF MILWAUKEE AS TO HOW SITE WILL BE DELIVERED TO GENERAL CONTRACTOR.
4. DATUM FOR THE PROJECT SURVEY IS USGS NGVD 29. SUBTRACT 580.6 TO CONVERT TO CITY OF MILWAUKEE VERTICAL DATUM. BENCHMARK FOR THE PROJECT SURVEY IS THE EAST 1/4 CORNER OF SECTION 12-7-21.

TO OBTAIN LOCATIONS OF  
 UTILITIES AND RECORDS  
 FACILITIES BEFORE YOU  
 DIG IN RECORDS



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 TOLL FREE

WE STRIVE FOR PERFECTION  
 REQUIRES YOU TO WORK DAYS  
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CENTURY CITY 1  
 MILWAUKEE, WISCONSIN

SITE SURVEY

RELEASED FOR BID	03-10-15	AEK
MISC.	11-10-14	TPM
MISC.	06-13-14	ABH
PLAN EXAM	05-30-14	ABH
PRELIM. BID	05-08-14	ABH

DRAWING NO. 14496-C001-SURVEY P.dwg

DRAWN BY: JRR

DATE: 05-08-14

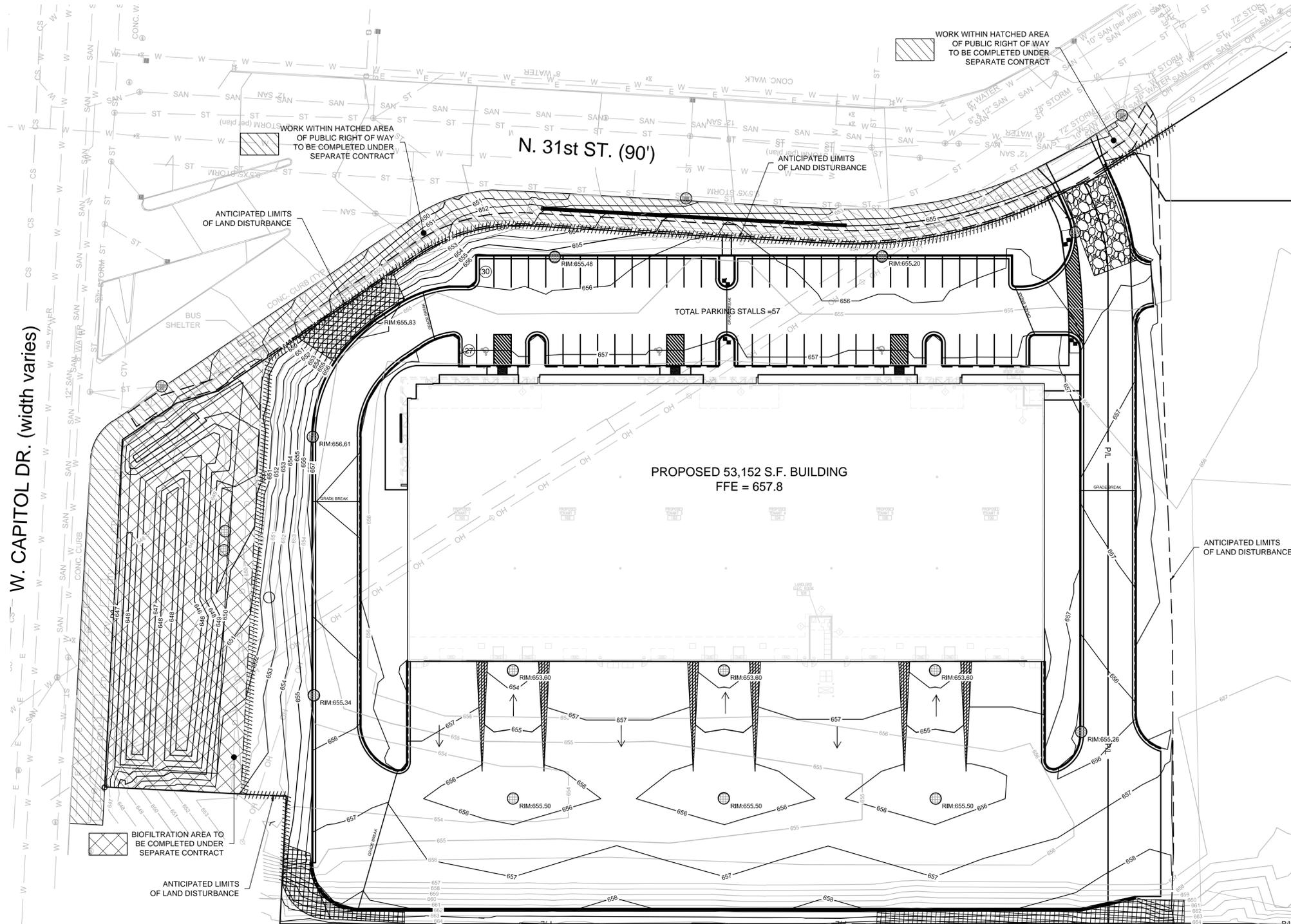
PROJECT NO: 14496

CHECKED BY: ABH

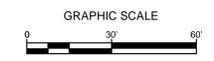
APPROVED BY:

SHEET NO.:

**C 001**



ANTICIPATED LAND DISTURBANCE: 4.7 ACRES



**LEGEND:**

- ////// PROPOSED STRAW WATTLE
- ⊕ PROPOSED INLET PROTECTION (B C401)
- ▣ PROPOSED TRACKING PAD (C C401)
- ▤ PROPOSED EROSION MATTING WISDOT APPROVED CLASS 1 TYPE B (D C401)
- 5 — EXISTING CONTOUR
- 5 — PROPOSED CONTOUR

**GENERAL NOTES:**

1. THE UNDERGROUND UTILITY INFORMATION SHOWN ON THIS DRAWING IS BASED ON FIELD LOCATIONS AND/OR RECORDS FURNISHED BY MUNICIPALITIES AND UTILITY COMPANIES. THE LOCATION AND ACCURACY OF WHICH CANNOT BE GUARANTEED. THERE MAY BE ADDITIONAL UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
2. VERIFY ACTUAL LOCATIONS AND INVERTS IN THE FIELD. ANY POTENTIAL ERRORS, OMISSIONS, OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. WORK TO BE COMPLETED IS INDICATED IN BOLD TYPE LINES AND EXISTING CONDITIONS ARE INDICATED BY LIGHT TYPE LINES.
4. ELECTRONIC CIVIL FILES ARE AVAILABLE UPON WRITTEN REQUEST. DO NOT USE ELECTRONIC CIVIL FILES TO LAYOUT FOUNDATIONS, COLUMN LINES, LIGHT POLES, OR OTHER NON CIVIL SITE WORK. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF BUILDING AND ARCHITECTURAL FEATURES.
5. SEE SHEETS C401 FOR FURTHER EROSION CONTROL REQUIREMENTS AND DETAILS.
6. DO NOT BEGIN LAND DISTURBING ACTIVITIES UNTIL AN EROSION CONTROL PERMIT IS OBTAINED FROM CITY OF MILWAUKEE AND NR216 PERMIT COVERAGE FOR EROSION AND SEDIMENTATION CONTROL IS OBTAINED FROM THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES.
7. STRAW WATTLE SHALL BE 12" DIAMETER STENLOG OR EQUAL, STAKED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. AN OR EQUAL PRODUCT SHALL, AT A MINIMUM, BE ONE THAT IS FOUND ON THE WISCONSIN DEPARTMENT OF TRANSPORTATION'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST.
8. REFER TO LANDSCAPE PLANS FOR VEGETATED GROUND COVER AND PLANTING REQUIREMENTS.

**PROTECTION OF BIORETENTION AREA:**

1. CONSTRUCTION SITE RUNOFF FROM DISTURBED AREAS SHALL NOT BE ALLOWED TO ENTER THE BIORETENTION DEVICE.
2. RUNOFF FROM PERVIOUS AREAS SHALL BE DIVERTED FROM THE DEVICE UNTIL THE PERVIOUS AREAS HAVE UNDERGONE FINAL STABILIZATION.
3. CONSTRUCT TEMPORARY DIVERSION SWALES OR PROVIDE OTHER MEANS AS NECESSARY TO PREVENT CONSTRUCTION SITE RUNOFF FROM DISTURBED AREAS, AND RUNOFF FROM PERVIOUS AREAS WHICH HAVE NOT YET BEEN STABILIZED, FROM ENTERING THE BIORETENTION AREA.

**CENTURY CITY 1  
 MILWAUKEE, WISCONSIN  
 EROSION CONTROL PLAN**

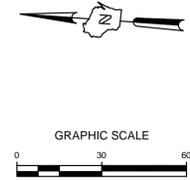
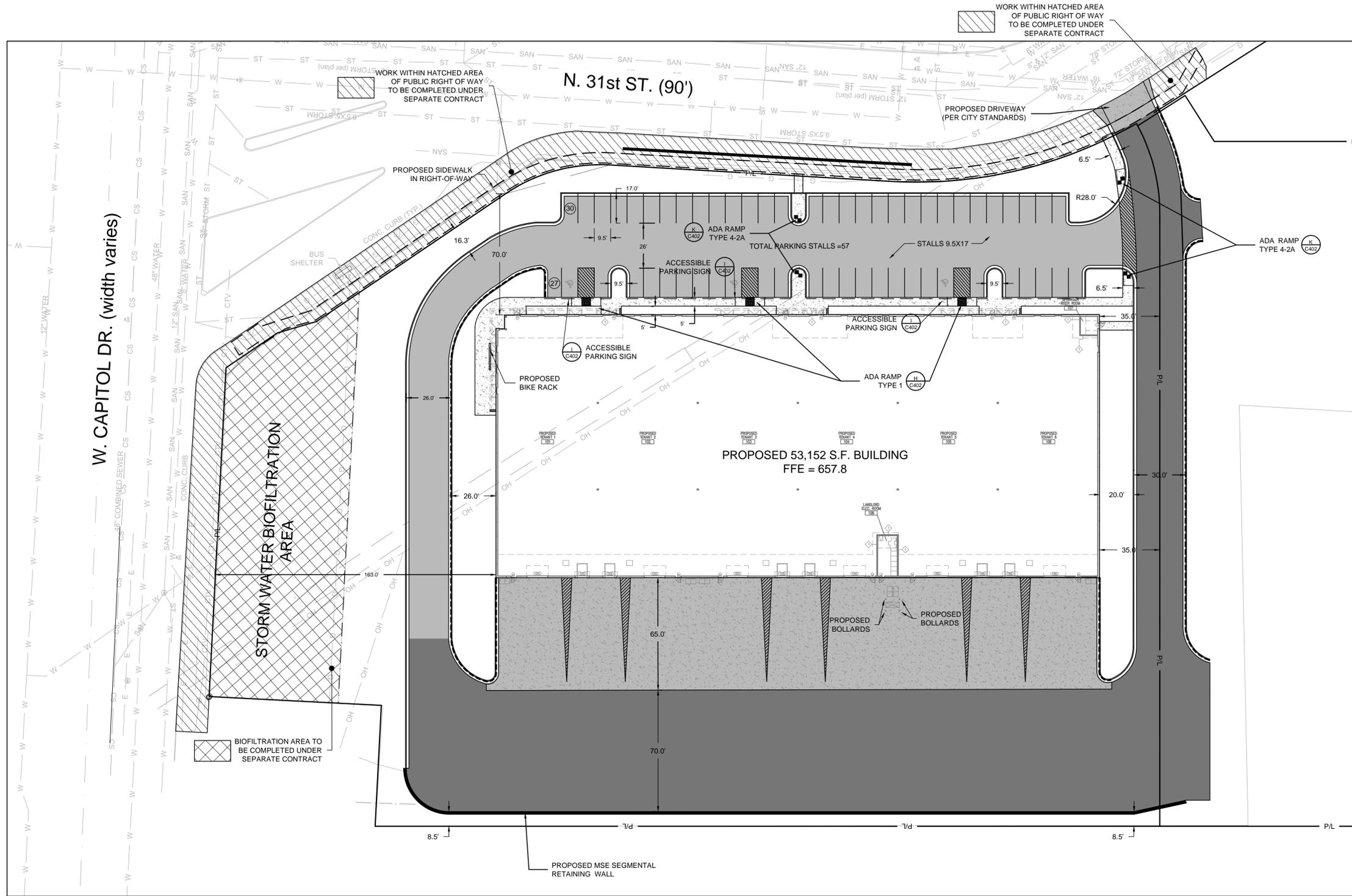
RELEASED FOR BID 03-10-15 AEK  
 BIO AREA 09-17-14 ABH

DRAWING NO.	14496-C002-EC P.dwg
DRAWN BY:	VMS
DATE:	06-13-14
PROJECT NO:	14496
CHECKED BY:	ABH
APPROVED BY:	
SHEET NO.:	

**C 002**



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 TOLL FREE  
 WE STRIKE 10:00 AM  
 REPAIRS ARE 3 WORK DAYS  
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 MILW. AREA 259-1181



**LEGEND:**

CONCRETE WALK	(D) C402
CONCRETE PAVEMENT	(C) C402
REGULAR DUTY ASPHALT SURFACE	(B) C402
HEAVY DUTY ASPHALT SURFACE	(A) C402
HEAVY DUTY ASPHALT SURFACE	(A) C402
CURB & GUTTER (ACCEPT)	(F) C402
CURB & GUTTER (REJECT)	(G) C402
THICKENED EDGE SIDEWALK	(E) C402
PROPOSED RETAINING WALL	

- GENERAL NOTES:**
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  2. VERIFY ACTUAL LOCATIONS AND INVERTS IN THE FIELD. ANY POTENTIAL ERRORS, OMISSIONS, OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
  3. WORK TO BE COMPLETED IS INDICATED IN BOLD TYPE LINES AND EXISTING CONDITIONS ARE INDICATED BY LIGHT TYPE LINES.
  4. ELECTRONIC CIVIL FILES ARE AVAILABLE UPON WRITTEN REQUEST. DO NOT USE ELECTRONIC CIVIL FILES TO LAYOUT FOUNDATIONS, COLUMN LINES, LIGHT POLES, OR OTHER NON CIVIL SITE WORK. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF BUILDING AND ARCHITECTURAL FEATURES, DUMPSTER DETAILS.
  5. DIMENSIONS ARE FROM FACE OF CURB OR EDGE OF PAVEMENT.
  6. WORK WITHIN THE PUBLIC RIGHT OF WAY, INCLUDING BUT NOT LIMITED TO DRIVEWAY OPENINGS, SIDEWALK AND RAMPS, PAVING, AND CURBS AND GUTTER SHALL BE COMPLETED PER CITY OF MILWAUKEE REQUIREMENTS AND STANDARDS.
  7. WORK WITHIN RIGHT OF WAY SHOWN FOR INFORMATIONAL PURPOSES ONLY. REFER TO DRAWING C201 FOR CONSTRUCTION WORK IN RIGHT OF WAY.

RELEASED FOR BID	03-10-15	AEK
MISC.	10-11-14	TPM
MISC.	06-13-14	ABH
PLAN EXAM	05-30-14	ABH
PRELIM. BID	05-08-14	ABH

DRAWING NO.	14496-503-SITE DIM P.dwg
DRAWN BY:	VMS
DATE:	05-08-2014
PROJECT NO:	14496
CHECKED BY:	ABH
APPROVED BY:	ABH
SHEET NO.:	

**C 100**

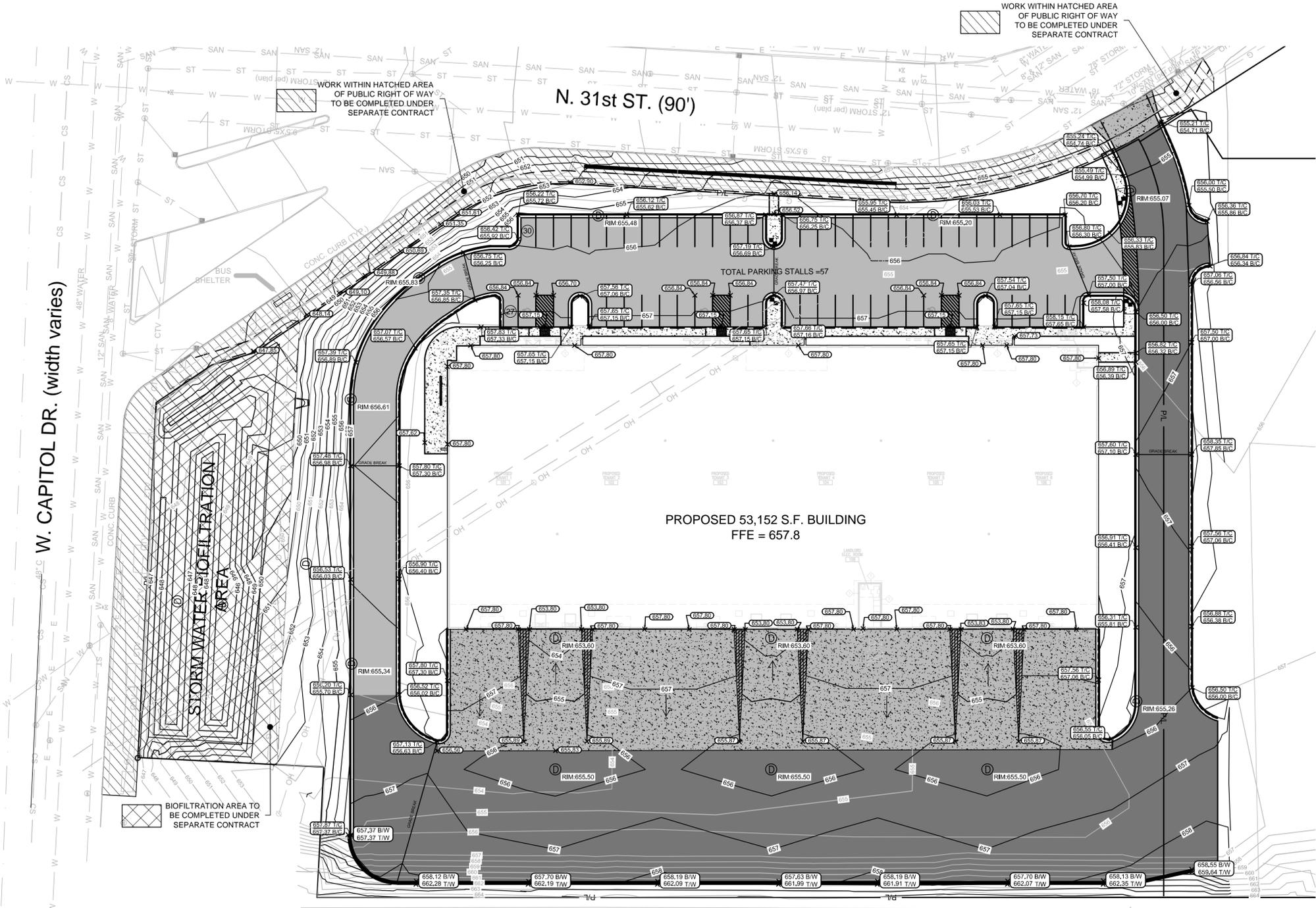
File: I:\General Capital\14496 Century City Site Planning\060 CAD\C - Civil\503-Site Plan\14496-503-SITE DIM P.dwg



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MILW. AREA 259-1181



WORK WITHIN HATCHED AREA  
OF PUBLIC RIGHT OF WAY  
TO BE COMPLETED UNDER  
SEPARATE CONTRACT

WORK WITHIN HATCHED AREA  
OF PUBLIC RIGHT OF WAY  
TO BE COMPLETED UNDER  
SEPARATE CONTRACT

N. 31st ST. (90')

PROPOSED 53,152 S.F. BUILDING  
FFE = 657.8

W. CAPITOL DR. (width varies)



GRAPHIC SCALE  
0 30 60  
FEET

- LEGEND:**
- THICK CONCRETE WALK (D C402)
  - CONCRETE PAVEMENT (C C402)
  - REGULAR DUTY ASPHALT SURFACE (B C402)
  - HEAVY DUTY ASPHALT SURFACE (A C402)
  - CURB & GUTTER (ACCEPT) (F C402)
  - CURB & GUTTER (REJECT) (G C402)
  - THICKENED EDGE SIDEWALK (E C402)
  - PROPOSED SEGMENTAL RETAINING WALL
  - PROPOSED BOTTOM(B/W) & TOP(T/W) WALL ELEVATION
  - PROPOSED SURFACE ELEVATION
  - TOP OF CURB & BOTTOM OF CURB ELEVATIONS
  - 5 EXISTING CONTOUR
  - 5 PROPOSED CONTOUR

**GENERAL NOTES:**

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5. DIMENSIONS ARE FROM FACE OF CURB OR EDGE OF PAVEMENT.
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7. EARTHWORK SHALL BE IN ACCORDANCE WITH GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
8. VERTICAL DATUM FOR THE PROJECT IS NGVD 29. SUBTRACT 580.6 TO CONVERT TO CITY OF MILWAUKEE VERTICAL DATUM.

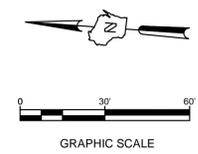
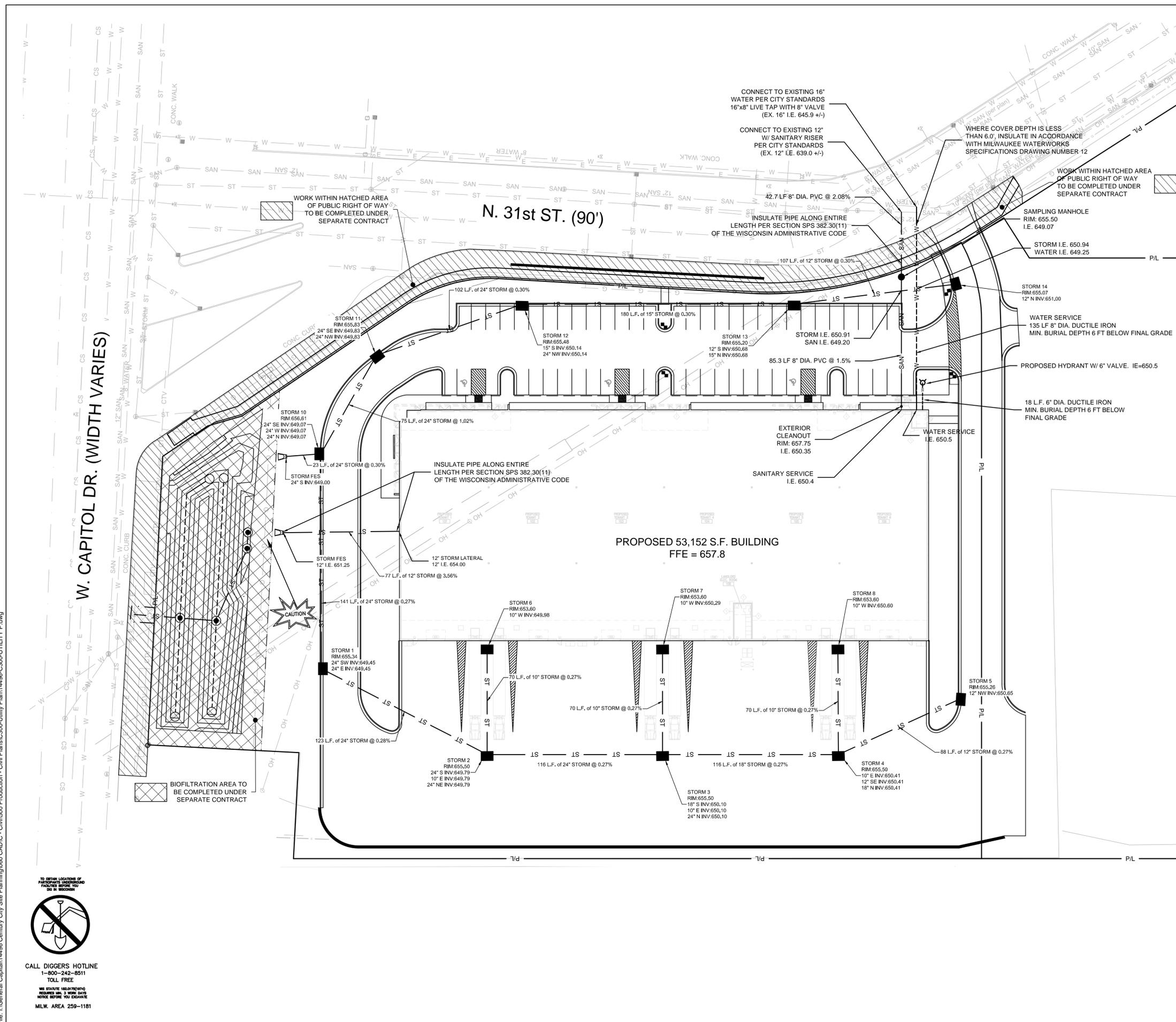
CENTURY CITY 1  
MILWAUKEE, WISCONSIN

**GRADING PLAN**

RELEASED FOR BID 03-10-15 AEK  
MISC. 11-10-14 TPM  
MISC. 06-13-14 ABH  
PLAN EXAM 05-30-14 ABH  
PRELIM. BID 05-08-14 ABH

DRAWING NO.	14496-505-GRADING P.dwg
DRAWN BY:	VMS
DATE:	05-08-14
PROJECT NO:	14496
CHECKED BY:	ABH
APPROVED BY:	
SHEET NO.:	

**C 200**



- LEGEND:**
- W --- PROPOSED WATER SERVICE
  - SAN --- PROPOSED SANITARY SERVICE
  - ST --- PROPOSED STORM SEWER
  - PERFORATED UNDERDRAIN
  - H PROPOSED HYDRANT
  - PROPOSED MANHOLE
  - PROPOSED CATCH BASIN

**GENERAL NOTES:**

1. THE UNDERGROUND UTILITY INFORMATION SHOWN ON THIS DRAWING IS BASED ON FIELD LOCATIONS AND/OR RECORDS FURNISHED BY MUNICIPALITIES AND UTILITY COMPANIES. THE LOCATION AND ACCURACY OF WHICH CANNOT BE GUARANTEED. THERE MAY BE ADDITIONAL UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
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5. ALL UTILITIES WITHIN 5 FEET OF PAVED AREAS SHALL REQUIRE GRANULAR BACKFILL. SLURRY BACKFILL IS REQUIRED FOR ALL WORK IN PUBLIC RIGHT OF WAY.
6. PRIVATE SITE STORM INLETS IN PAVEMENT SHALL REQUIRE DRAIN TILE STUBS OF 10 FEET IN TWO DIRECTIONS FOR SUBDRAINAGE. RIM GRADE FOR STORM INLETS IN CURB AND GUTTER ARE FLOW LINE GRADES.
7. WORK IN PUBLIC RIGHT OF WAY SHALL FOLLOW MATERIAL AND INSTALLATION REQUIREMENTS PER MUNICIPAL AND/OR COUNTY.
8. BUILDING AND PRIVATE SITE STORM SEWER 12-INCH DIAMETER OR LARGER SHALL BE HDPE. BELOW 12-INCH DIAMETER SHALL BE PVC SDR-35 ASTM D3034.
9. COORDINATE FINAL LOCATION AND DESIGN OF PRIVATE UTILITY SERVICES (ELECTRIC, GAS, PHONE, CABLE) WITH UTILITY COMPANIES.
10. EXTERIOR UTILITY CONTRACTOR SHALL COORDINATE FINAL LOCATION, SIZE, AND INVERTS WITH MEP DESIGN BUILD CONTRACTOR PRIOR TO START OF ANY UTILITY INSTALLATION. ANY DISCREPANCY SHALL BE FORWARDED TO ENGINEER FOR FURTHER REVIEW AND COORDINATION.

W. CAPITOL DR. (WIDTH VARIES)

N. 31st ST. (90')

PROPOSED 53,152 S.F. BUILDING  
 FFE = 657.8



CALL DIGGERS HOTLINE  
 1-800-242-8511  
 TOLL FREE

WE STRIKE 12:00 PM  
 REQUIRES MIN. 2 WORK DAYS  
 NOTICE BEFORE YOU DIG  
 MILW. AREA 259-1181

CENTURY CITY 1  
 MILWAUKEE, WISCONSIN

UTILITY PLAN

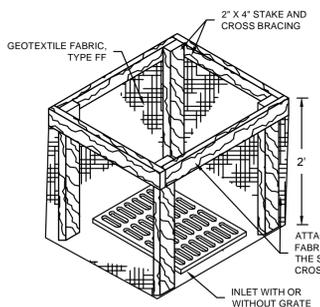
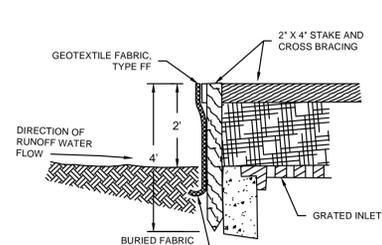
RELEASED FOR BID	03-10-15	AEK
MISC.	11-10-14	TPM
MISC.	06-13-14	ABH
PLAN EXAM	05-30-14	ABH
PRELIM. BID	05-08-14	ABH

DRAWING NO.	14496-C300-UTILITY P.dwg
DRAWN BY:	PRF
DATE:	05-08-14
PROJECT NO:	14496
CHECKED BY:	ABH
APPROVED BY:	
SHEET NO.:	

**C 300**

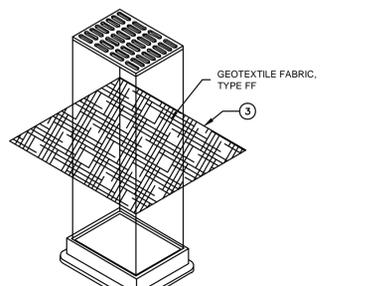
**EROSION CONTROL NOTES:**

- CONSTRUCTION SITE EROSION CONTROL AND SEDIMENTATION CONTROL SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF MILWAUKEE AND SHALL EMPLOY EROSION CONTROL METHODS AS SHOWN AND SPECIFIED IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS.
- ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED FOR STABILITY AND OPERATION AFTER A RAINFALL OF 0.5 INCHES OR MORE, BUT NO LESS THAN ONCE EVERY WEEK. MAINTENANCE OF ALL EROSION CONTROL STRUCTURES SHALL BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND REMOVAL OF ALL SEDIMENT WHEN LEAVING PROPERTY. EROSION CONTROL MEASURES MUST BE IN WORKING CONDITION AT END OF EACH WORK DAY. DOCUMENT AND MAINTAIN RECORDS OF INSPECTIONS IN ACCORDANCE WITH WDNR NR216 REQUIREMENTS.
- STRAW WATTLES SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE STRAW WATTLES WHEN DEPOSITS REACH A DEPTH OF 6 INCHES. THE STRAW WATTLES SHALL BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
- FILTER FABRIC SHALL BE INSTALLED BENEATH INLET COVERS TO TRAP SEDIMENT PER INLET PROTECTION DETAIL IN THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED ON A CONTINUING BASIS UNTIL SITE IS FULLY STABILIZED.
- PERIODIC STREET SWEEPING SHALL BE COMPLETED TO MAINTAIN ADJACENT STREETS FREE OF DUST AND DIRT.
- SILT FENCE SHALL BE INSTALLED IN HORSESHOE FASHION AROUND ANY UNCONTROLLED TOPSOIL AND FILL STOCKPILES.
- SITE DEWATERING. WATER PUMPED FROM THE SITE SHALL BE TREATED BY SEDIMENT BASINS OR OTHER APPROPRIATE MEASURES SPECIFIED IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE, ADJACENT SITES, OR RECEIVING CHANNELS.
- WASTE AND MATERIAL DISPOSAL. ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
- TRACKING. EACH SITE SHALL HAVE GRAVELED ROADS, ACCESS DRIVES AND PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH TO PREVENT SEDIMENT FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY STREET CLEANING. TO THE SATISFACTION OF THE CITY, BEFORE THE END OF EACH WORKDAY. FLUSHING MAY NOT BE USED UNLESS SEDIMENT WILL BE CONTROLLED BY A SEDIMENT BASIN OR PRACTICE SPECIFIED IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS. NOTIFY MUNICIPALITY OF ANY CHANGES IN STABILIZED CONSTRUCTION ENTRANCE LOCATION.
- SEDIMENT CLEANUP. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM EVENT SHALL BE CLEANED UP BY THE END OF THE NEXT WORKDAY. ALL OTHER OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE CLEANED UP BY THE END OF THE WORKDAY.
- ALL DISTURBED GROUND LEFT INACTIVE FOR SEVEN OR MORE DAYS SHALL BE STABILIZED BY TEMPORARY OR PERMANENT SEEDING, MULCHING, SODDING, COVERING WITH TARPS, OR EQUIVALENT PRACTICE FOUND IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARD. IF TEMPORARY SEEDING IS USED, A PERMANENT COVER SHALL ALSO BE REQUIRED AS PART OF THE FINAL SITE STABILIZATION. SEEDING OR SODDING SHALL BE REQUIRED AS PART OF THE FINAL SITE STABILIZATION.
- SOIL OR DIRT STORAGE PILES SHALL BE LOCATED A MINIMUM OF TWENTY-FIVE FEET FROM ANY DOWNSLOPE ROAD, LAKE, STREAM, WETLAND, OR DRAINAGE CHANNEL. STRAW BALE OR FILTER FABRIC FENCES SHALL BE PLACED ON THE DOWN SLOPE SIDE OF THE PILES. IF REMAINING FOR MORE THAN THIRTY DAYS, PILES SHALL BE STABILIZED BY MULCHING, VEGETATIVE COVER, TARPS OR OTHER MEANS.
- WHEN THE DISTURBED AREA HAS BEEN STABILIZED BY PERMANENT VEGETATION OR OTHER MEANS, TEMPORARY PRACTICES, SUCH AS FILTER FABRIC FENCES, STRAW BALES, SEDIMENT AND SEDIMENT TRAPS, FOUND IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS SHALL BE REMOVED.
- REPAIR ANY SILTATION OR EROSION DAMAGE TO ADJOINING SURFACES AND DRAINAGE WAYS RESULTING FROM LAND DEVELOPMENT OR LAND DISTURBING ACTIVITIES.
- KEEP A COPY OF THE EROSION CONTROL PLAN ON SITE.
- WASH WATER FROM VEHICLES AND WHEEL WASHING SHALL BE CONTAINED AND TREATED PRIOR TO DISCHARGE.
- CONTRACTOR SHALL MAINTAIN SPILL KITS ON-SITE.

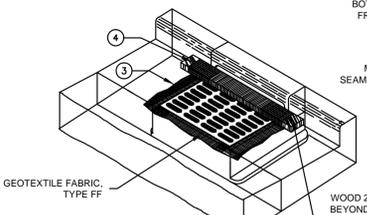


**INLET PROTECTION, TYPE A**

- GENERAL NOTES**
- MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
  - WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
  - FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
  - FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
  - FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

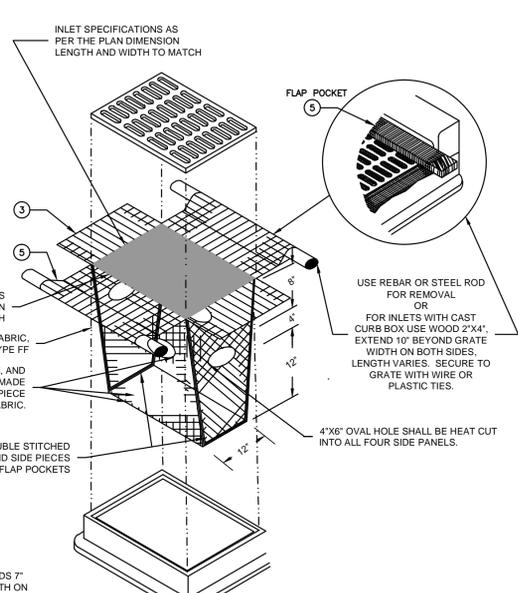


**INLET PROTECTION, TYPE B (WITHOUT CURB BOX)**  
(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



**INLET PROTECTION, TYPE C (WITH CURB BOX)**

- INSTALLATION NOTES**
- TYPE B & C**  
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.
- TYPE D**  
DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCHE THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.



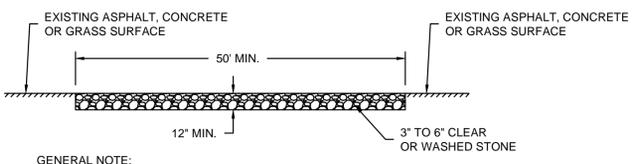
**INLET PROTECTION, TYPE D (CAN BE INSTALLED IN ANY INLET WITH OR WITHOUT A CURB BOX AS PER NOTE)**

GENERAL NOTE:  
INLET PROTECTION SHALL CONFORM TO WDNR CONSERVATION PRACTICE STANDARD #1060

**B INLET PROTECTION TYPE A, B, C, AND D: WDNR TS-1060**  
NOT TO SCALE

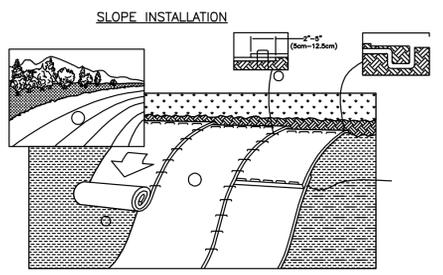
**CONSTRUCTION SEQUENCE FOR EROSION CONTROL INCLUDES:**

- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- INSTALL PERIMETER CONTROL (STRAW WATTLE) AND INLET PROTECTION.
- PERFORM SITE GRADING. STABILIZE FINISHED AREAS AS THE WORK PROGRESSES. USE EROSION MATTING WHERE CALLED FOR ON THE PLANS.
- PREPARE BUILDING PAD AND BEGIN FOUNDATIONS WORK FOR BUILDING.
- INSTALL UTILITIES. INSTALL ANY ADDITIONAL INLET PROTECTION ON NEW STORM SEWER AND INSTALL RIP-RAP AT NEW STORM SEWER OUTFALLS.
- STABILIZE AREAS REMAINING AREAS WITHIN 7 DAYS OF COMPLETION OF FINAL GRADING AND TOPSOILING.
- REMOVE EROSION CONTROL MEASURES ONLY WHEN SITE IS FULLY STABILIZED.



GENERAL NOTE:  
STONE TRACKING PAD SHALL CONFORM TO WDNR CONSERVATION PRACTICE STANDARD #1057

**C CONSTRUCTION ENTRANCE/EXIT DETAIL: WDNR TS-1057**  
NOT TO SCALE



- PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECP'S EXTENDED 3D BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES / STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES / STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP'S.
- ROLL THE RECP'S (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES / STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES / STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP'S TYPE.
- CONSECUTIVE RECP'S SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP'S WIDTH. NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTH GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.

- NOTE:**
- EROSION MATTING SHALL CONFORM TO WDNR CONSERVATION PRACTICE STANDARD #1052.
  - INSTALL PER MANUFACTURERS SPECIFICATIONS.

**D EROSION MATTING: WDNR TS-1052**  
NOT TO SCALE

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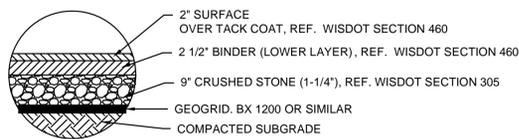
CENTURY CITY 1  
MILWAUKEE, WISCONSIN

DETAILS

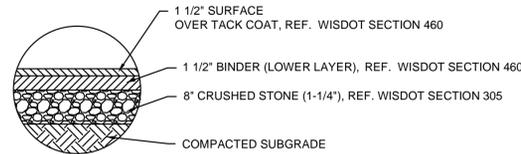
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PRELIM. BID 05-08-14 ABH

DRAWING NO. 14496-C401 Details.dwg  
DRAWN BY: VMS  
DATE: 05-08-14  
PROJECT NO: 14496  
CHECKED BY: ABH  
APPROVED BY:  
SHEET NO.:

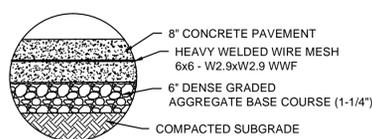
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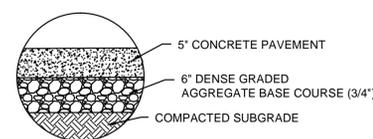
**A ASPHALT PAVEMENT SECTION (HEAVY DUTY)**  
 NOT TO SCALE



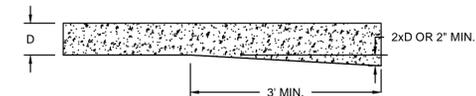
**B ASPHALT PAVEMENT SECTION (REGULAR DUTY)**  
 NOT TO SCALE



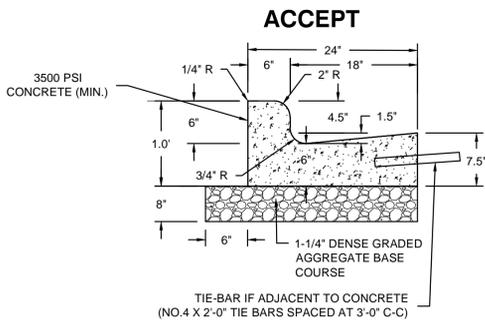
**C CONCRETE PAVEMENT SECTION**  
 NOT TO SCALE



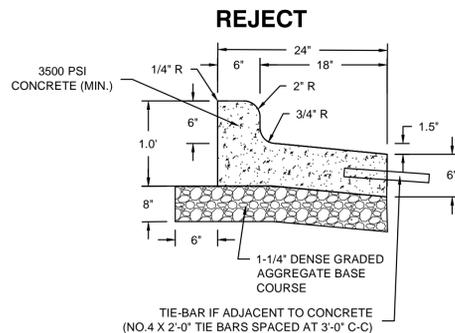
**D CONCRETE SIDEWALK SECTION**  
 NOT TO SCALE



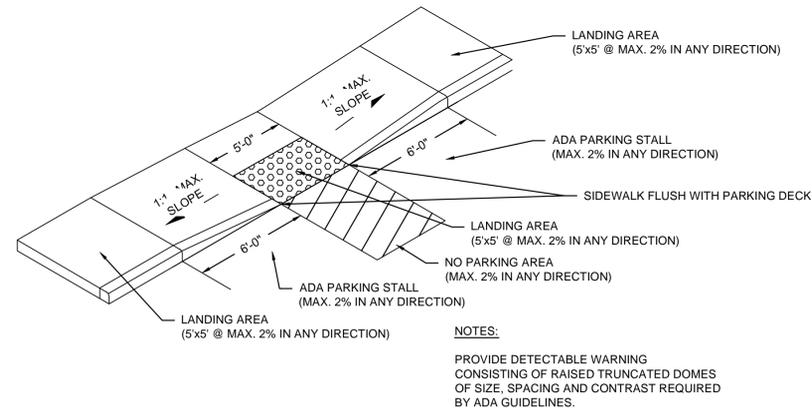
**E CONCRETE JOINT-THICKENED EDGE**  
 NOT TO SCALE



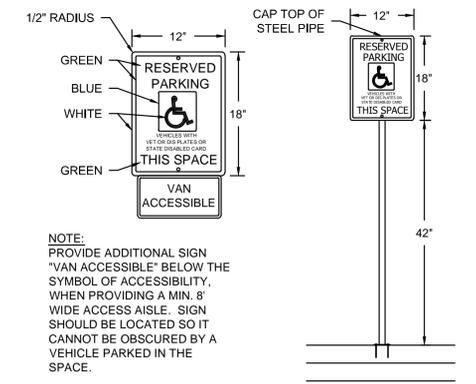
**F 24" CONCRETE CURB & GUTTER SECTION (ACCEPT)**  
 NOT TO SCALE



**G 24" CONCRETE CURB & GUTTER SECTION (REJECT)**  
 NOT TO SCALE

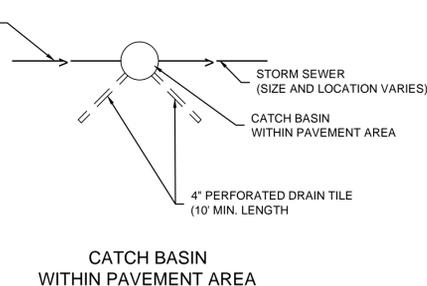


**H ADA RAMP DETAIL (TYPE 1)**  
 NOT TO SCALE

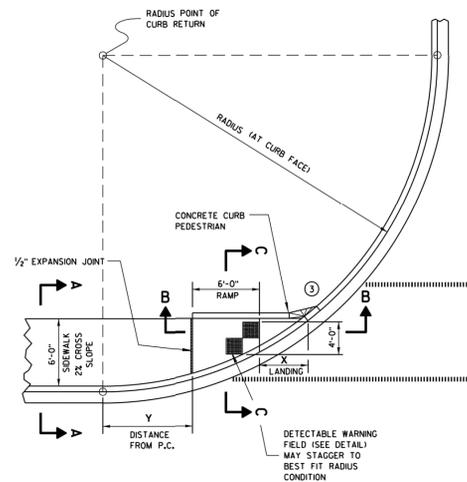


**I HANDICAP SIGN & POST**  
 NOT TO SCALE

- NOTES:
- ADJUST FRAME TO GRADE WITH CONCRETE RINGS OF VARIABLE THICKNESS. MAXIMUM RING HEIGHT = 6". MINIMUM RING HEIGHT = 2". CONCRETE RINGS SHALL BE REINFORCED WITH ONE LINE OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY RINGS SHALL BE GROOVED TO RECEIVE STEP. CONCRETE AND REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION C-478.
  - SPACE BETWEEN PIPE AND PRECAST MANHOLE WALL TO BE FILLED WITH BRICK MORTARED IN PLACE EXCEPT THAT AN APPROVED FLEXIBLE WATERTIGHT PIPE TO MANHOLE SEAL IS REQUIRED FOR ALL FLEXIBLE SANITARY SEWER CONNECTIONS. THE ANNULAR SPACE BETWEEN THE PIPE AND MANHOLE WALL SHALL BE FILLED WITH FLEXIBLE BUTYL RUBBER GASKET MATERIAL BELOW SURFACE OF BENCH OR SPRINGLINE.
  - AREA OF CIRCUMFERENTIAL STEEL = 0.12 SQ INCH PER LINEAR FOOT MIN.
  - 3" BEDDING OF STONE UNDER BASE REQUIRED ON WET SUB-GRADE.



**CATCH BASIN WITHIN PAVEMENT AREA**



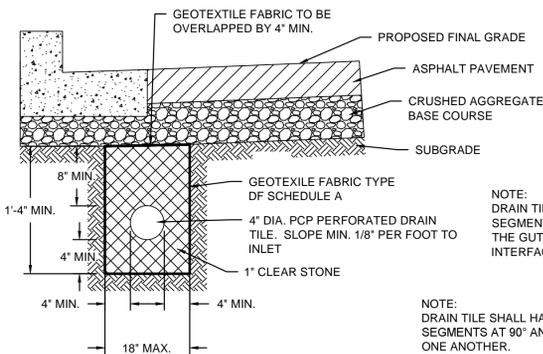
**CURB RAMP TYPE 4A PLAN VIEW**

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1 1/2"	2'-7 1/2"
30 FEET	7'-11 1/4"	4'-8 1/4"
40 FEET	9'-5 1/4"	6'-5"
50 FEET	10'-8 1/4"	7'-11 1/4"
60 FEET	11'-10 1/4"	9'-3 1/2"

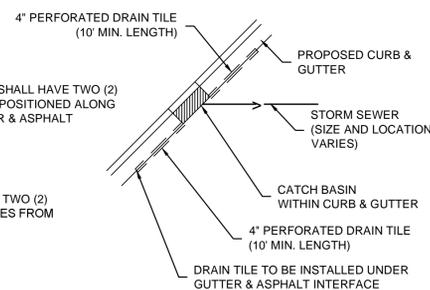
INTERMEDIATE RADII CAN BE INTERPOLATED

**GENERAL NOTES**

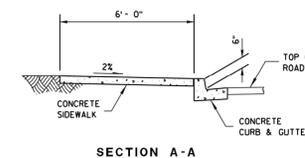
- AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.
- RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.
- SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.
- INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.



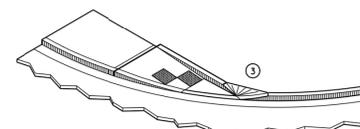
**CURB INLET LOCATION SECTION**



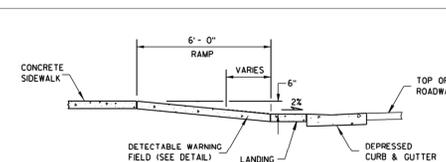
**CURB INLET WITHIN CURB & GUTTER**



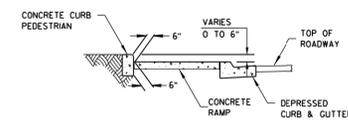
**SECTION A-A**



**ISOMETRIC VIEW**



**SECTION B-B**



**SECTION C-C**

**K ADA CURB RAMP TYPE 4A**  
 NOT TO SCALE

CENTURY CITY 1  
 MILWAUKEE, WISCONSIN

DETAILS

RELEASED FOR BID 03-10-15 AEK  
 MISC. 11-10-14 TPM  
 MISC. 06-13-14 ABH  
 PLAN EXAM 05-30-14 ABH  
 PRELIM. BID 05-08-14 ABH

DRAWING NO. 14496-C402 Details.dwg  
 DRAWN BY: VMS  
 DATE: 05-08-14  
 PROJECT NO: 14496  
 CHECKED BY: ABH  
 APPROVED BY:  
 SHEET NO.:

**C 402**

# GENERAL SPECIFICATIONS

**GENERAL NOTES:**

1. EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY, AND NO RESPONSIBILITY IS ASSUMED BY THE OWNER OR THE ENGINEER FOR THEIR ACCURACY OR COMPLETENESS.
2. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR SHALL CALL DIGGER'S HOTLINE PRIOR TO ANY CONSTRUCTION.
3. PUBLIC UTILITY WORK SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE MOST RECENT EDITION OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN AND CITY OF MILWAUKEE REQUIREMENTS.
4. WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL CONFORM TO THE CITY OF MILWAUKEE STREET SPECIFICATIONS, MOST RECENT EDITION.
5. SANITARY BUILDING SEWERS, STORM BUILDING SEWERS, PRIVATE INTERCEPTOR MAIN SEWERS, PRIVATE WATER MAINS, AND WATER SERVICES WORK SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES CHAPTERS SPS 382 AND SPS 384 OF THE WISCONSIN ADMINISTRATIVE CODE AND LOCAL MUNICIPAL REQUIREMENTS.
6. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION. CONTRACTOR SHALL VERIFY ALL ELEVATIONS, LOCATIONS AND SIZES OF EXISTING SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS. CONTRACTOR SHALL REPORT ANY CONFLICTS TO THE ENGINEER SO REDESIGN CAN OCCUR IF NECESSARY.

**CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS:**

1. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH APPLICABLE WDN TECHNICAL STANDARDS AND LOCAL MUNICIPAL REQUIREMENTS.
2. INSPECTIONS AND MAINTENANCE OF EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) AND AFTER EACH RAINFALL OF 1/2" OR GREATER TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. REPAIR ANY DAMAGE OBSERVED DURING THE INSPECTION. INSPECTION/MAINTENANCE RECORDS SHALL BE KEPT ON-SITE DURING DURATION OF PROJECT.
3. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
4. EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER.
5. INSTALL A GRAVEL TRACKING PAD AT EACH NON-PAVED CONSTRUCTION ENTRANCE TO THE SITE.
6. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEEP AND / OR SCRAPPED PERIODICALLY TO REMOVE SOIL, DIRT AND / OR DUST.
7. FILTER FABRIC SHALL BE INSTALLED AT ALL STORM INLETS AND CATCH BASINS WITHIN THE CONSTRUCTION AREA.
8. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
  - a. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
  - b. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
  - c. DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH BMP'S PRIOR TO RELEASE INTO THE STORM SEWER.

**SEWER AND WATER CONSTRUCTION WORK:**

1. PUBLIC SEWER AND WATER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN (THE STANDARD SPECIFICATIONS), AND CITY OF MILWAUKEE REQUIREMENTS.
2. SANITARY BUILDING SEWERS, STORM BUILDING SEWERS, PRIVATE INTERCEPTOR MAIN SEWERS, PRIVATE WATER MAINS, AND WATER SERVICES WORK SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES CHAPTERS SPS 382 AND SPS 384 OF THE WISCONSIN ADMINISTRATIVE CODE AND CITY OF MILWAUKEE REQUIREMENTS.
3. VERIFY ALL ELEVATIONS, LOCATIONS AND SIZES OF SANITARY, WATER, AND STORM MAINS/LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS. REPORT ANY DISCREPANCIES OR CONFLICTS TO ENGINEER.
4. IN CASE OF CONFLICTS BETWEEN THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION AND THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES CODES, THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES CODES SHALL GOVERN FOR ALL SANITARY AND STORM BUILDING SEWERS, PRIVATE INTERCEPTOR MAIN SEWER, PRIVATE WATER MAIN, AND WATER SERVICE WORK.
5. MANHOLE SIZES SHALL BE VERIFIED BY CONTRACTOR, AND SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER PRIOR TO ORDERING THE MANHOLES.
6. MANHOLES AND CATCH BASINS DEEPER THAN FOUR FEET SHALL BE PROVIDED WITH STEPS IN CONFORMANCE WITH FILE 15 OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, 2003 EDITION
7. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT REQUIRED CASTING IS COMPATIBLE WITH SPECIFIED STRUCTURE. IF NOT COMPATIBLE, CONTACT ENGINEER IMMEDIATELY.
8. ANY FITTINGS AND RESTRAINTS REQUIRED TO ACCOMMODATE VERTICAL GRADE TRANSITIONS AND MINIMUM COVER REQUIREMENTS IN WATER SERVICE SHALL BE PROVIDED BY CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND INCLUDED IN THE BASE CONTRACT PRICE.

**STORM SEWER SPECIFICATIONS:**

1. PVC STORM SEWER PIPE: POLYVINYL CHLORIDE (PVC) PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM D 3034, SDR35 WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D-3212.
2. REINFORCED CONCRETE SEWER PIPE: SHALL MEET THE REQUIREMENTS OF CHAPTER 8.6.0 OR THE "STANDARD SPECIFICATIONS" AND ASTM C-655. UNLESS OTHERWISE NOTED ON THE DRAWINGS, REINFORCED CONCRETE PIPE 18" DIAMETER AND LARGER SHALL BE CLASS III RCP, 15" SHALL BE CLASS IV RCP AND 12" SHALL BE CLASS V RCP. PIPE JOINTS FOR REINFORCED CONCRETE STORM SEWER PIPE SHALL HAVE ELASTOMERIC RUBBER GASKETS CONFORMING TO SECTION 6.41.2 OF THE "STANDARD SPECIFICATIONS" AND ASTM C-443 OR ASTM C-990.
3. HDPE PIPE AND FITTINGS: SHALL BE HDPE PIPE AND FITTINGS APPROVED FOR THE INTENDED USE BY THE WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES (DPS) PER CHAPTER SPS 384 OF THE WISCONSIN STATE PLUMBING CODE AND THE ASSOCIATED DPS PLUMBING PRODUCTS REGISTER. ADVANCED DRAINAGE SYSTEMS, INC. N-12 WT HDPE OR EQUAL..
4. INLETS AND CATCH BASINS: INLETS AND CATCH BASINS SHALL BE CONSTRUCTED IN GENERAL ACCORDANCE WITH ASTM 478 AND FILE NO. 28 AND NO. 26 OF THE "STANDARD SPECIFICATIONS" OR APPROVED EQUAL AND SHALL BE A MINIMUM OF 36" IN DIAMETER WITH A MAXIMUM 26" OPENING. FRAMES SHALL BE NEENAH R-2501 WITH TYPE G GRATE OR EQUAL. CURB TYPE FRAMES & GRATES SHALL BE NEENAH R-3229-A OR EQUAL. CATCH BASINS SHALL BE PROVIDED WITH A 2 FT SUMP BELOW THE INVERT OF THE CATCH BASIN AND OUTLET PIPE.
5. MANHOLES: MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM 478 AND FILE NOS. 12, 13, AND 15 OF THE "STANDARD SPECIFICATIONS". MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1580 WITH TYPE "B" SELF SEALING LIDS, NON-ROCKING, OR EQUAL.
6. BACKFILL AND BEDDING: STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS B BEDDING IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE BACKFILL AND CLASS B BEDDING. LANDSCAPED AREAS MAY BE CLASS C BEDDING WITH COMPACTED SPOIL BACKFILLING CONFORMING TO SECTION 8.43.5 OF THE STANDARD SPECIFICATIONS". CLEANOUTS - CONTRACTOR SHALL INSTALL CLEANOUTS AND / OR MANHOLES IN ACCORDANCE WITH SAFETY AND PROFESSIONAL SERVICES SPS 382.35.
7. FOR STORM BUILDING SEWERS, CONTRACTOR SHALL INSTALL MAHOLES AND / OR CLEANOUTS AND FROST SLEEVES PER SAFETY AND PROFESSIONAL SERVICES SPS 382.35.
8. INSTALL BROWN TRACER WIRE ON NONMETALLIC STORM SEWER PIPING AND FITTINGS PER SAFETY AND PROFESSIONAL SERVICES 382.36 (7) (D).

**SANITARY SEWER SPECIFICATIONS:**

1. PIPE SANITARY SEWER PIPE: PVC SANITARY SEWER PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM D 3034, SDR35 WITH INTEGRAL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D-3212.
2. MANHOLES: MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM 478 AND FILE NOS. 12, 13, AND 15 OF THE "STANDARD SPECIFICATIONS". MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1580 WITH TYPE "B" SELF SEALING LIDS, NON-ROCKING, OR EQUAL. CLEANOUTS - CONTRACTOR SHALL INSTALL CLEANOUTS AND / OR MANHOLES IN ACCORDANCE WITH SAFETY AND PROFESSIONAL SERVICES 382.35.
3. BEDDING AND COVER MATERIAL: BEDDING AND COVER MATERIAL SHALL CONFORM TO THE APPROPRIATE SECTIONS OF THE "STANDARD SPECIFICATION" WITH THE FOLLOWING MODIFICATIONS: "COVER MATERIAL SHALL BE THE SAME AS USED FOR BEDDING AND SHALL CONFORM TO SECTION 8.43.2 (A). BEDDING AND COVER MATERIAL SHALL BE PLACED IN A MINIMUM OF THREE LIFTS, OR AS REQUIRED TO INSURE ADEQUATE COMPACTION OF THESE MATERIALS, WITH ONE LIFT OF BEDDING MATERIAL ENDING AT OR NEAR THE SPRINGLINE OF THE PIPE. THE CONTRACTOR SHALL TAKE CARE TO COMPLETELY WORK BEDDING MATERIAL UNDER THE HAUNCH OF THE PIPE TO PROVIDE ADEQUATE SUPPORT".
4. BACKFILL: BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT OF 5 FEET FROM THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS".
5. SAMPLING MANHOLE SHALL BE IN ACCORDANCE WITH FILE 23 OF THE "STANDARD SPECIFICATIONS".
6. FOR SANITARY BUILDING SEWERS AND PRIVATE INTERCEPTOR MAINS, CONTRACTOR SHALL INSTALL MANHOLES AND / OR CLEANOUTS AND FROST SLEEVES PER SAFETY AND PROFESSIONAL SERVICES 382.35.
7. INSTALL GREEN TRACER WIRE ON NONMETALLIC SANITARY SEWER PIPING AND FITTINGS PER SAFETY AND PROFESSIONAL SERVICES 382.30 (11) (H).

**WATER SERVICE SPECIFICATIONS:**

1. COMPLY WITH REQUIREMENTS OF MILWAUKEE WATER WORKS, DEPARTMENT OF PUBLIC WORKS, INCLUDING THOSE FOR TAPPING OF WATER MAINS AND BACKFLOW PREVENTION.
2. COMPLY WITH REQUIREMENTS OF MILWAUKEE WATER WORKS, DEPARTMENT OF PUBLIC WORKS, FOR WATER-SERVICE PIPING, INCLUDING MATERIALS, INSTALLATION, TESTING, AND DISINFECTION.
3. DUCTILE IRON PIPE - SHALL BE CLASS 52 DUCTILE IRON, MEETING THE STANDARD SPECIFICATIONS AND LOCAL MUNICIPAL REQUIREMENTS. INSIDE SHALL BE CEMENT-MORTAR LINED; BOTH IN ACCORDANCE WITH AWWA'S LATEST STANDARDS.
4. FITTINGS - FITTINGS SHALL BE AWWA C153 MECHANICAL JOINTS FITTINGS AND IN ACCORDANCE WITH CHAPTER 8.22.0 OF THE STANDARD SPECIFICATIONS.
5. ANCHORAGES - INSTALL ANCHORAGES FOR TEES, PLUGS AND CAPS, BENDS, CROSSES, VALVES, AND HYDRANT BRANCHES IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
6. VALVES AND VALVE BOXES - SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND LOCAL MUNICIPAL REQUIREMENTS.
7. BEDDING AND COVER MATERIAL - WATER MAIN BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE CHIPS OR CRUSHED STONE SCREENINGS CONFORMING TO SECTIONS 8.43.2 AND 8.43.3 OF THE "STANDARD SPECIFICATIONS".
8. BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF THE PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS".
9. INSTALL BLUE TRACE WIRE ON NONMETALLIC WATER PIPING AND FITTINGS PER SAFETY AND PROFESSIONAL SERVICES 382.40 (8) (K).

**EARTHWORK:**

1. EARTHWORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION MOST RECENT EDITION, AND IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
2. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY, AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER.

**ASPHALTIC CONCRETE PAVING SPECIFICATIONS:**

1. CODES AND STANDARDS - THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 460 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, MOST RECENT EDITION. HEREAFTER, THIS PUBLICATION WILL BE REFERRED TO AS THE WISDOT STANDARD SPECIFICATIONS.
2. WEATHER LIMITATIONS - APPLY TACK COATS WHEN AMBIENT TEMPERATURE IS ABOVE 50 DEGREE FAHRENHEIT AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35 DEGREE FAHRENHEIT FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION. DO NOT APPLY WHEN BASE IS WET OR CONTAINS EXCESS MOISTURE. CONSTRUCT ASPHALTIC CONCRETE SURFACE COURSE WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 40 DEGREE FAHRENHEIT AND WHEN BASE IS DRY AND WHEN WEATHER IS NOT RAINY. BASE COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 30 DEGREES FAHRENHEIT AND RISING.
3. GRADE CONTROL - ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION OPERATIONS.
4. SURFACE PREPARATION - PROOF ROLL SUBGRADE BELOW PAVEMENTS WITH HEAVY PNEUMATIC Tired EQUIPMENT TO IDENTIFY SOFT POCKETS AND AREAS OF EXCESS YIELDING. DO NOT PROOF ROLL WET OR SATURATED SUBGRADES. NOTIFY CONTRACTOR AND OWNER OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
5. PROVIDE MIXES WITH A HISTORY OF SATISFACTORY PERFORMANCE IN GEOGRAPHICAL AREA WHERE PROJECT IS LOCATED.
6. HOT-MIX ASPHALT: DENSE, HOT-LAID, HOT-MIX ASPHALT PLANT MIXES APPROVED BY WISDOT AND AUTHORITIES HAVING JURISDICTION, AND COMPLYING WITH THE FOLLOWING REQUIREMENTS:
  - A. BASE COURSE: WISDOT MIXTURE TYPE E - 0.3 FOR STANDARD PAVEMENT SECTION.
  - B. SURFACE COURSE: WISDOT MIXTURE TYPE E - 0.3 FOR STANDARD PAVEMENT SECTION.
  - C. BASE COURSE: WISDOT MIXTURE TYPE E - 1 FOR HEAVY DUTY AND ROAD PAVEMENT SECTIONS.
  - D. SURFACE COURSE: WISDOT MIXTURE TYPE E - 1 FOR HEAVY DUTY AND ROAD PAVEMENT SECTIONS.
7. GENERAL: COMPACT ALL LAYERS TO MINIMUM DENSITIES PER SECTION 460.3.2 OF THE WISDOT STANDARD SPECIFICATIONS.
8. FINISH ROLLING: FINISH ROLL PAVED SURFACES TO REMOVE ROLLER MARKS WHILE HOT-MIX ASPHALT IS STILL WARM.
9. PROTECTION: AFTER FINAL ROLLING, DO NOT PERMIT VEHICULAR TRAFFIC ON PAVEMENT UNTIL IT HAS COOLED AND HARDENED.
10. ERECT BARRICADES TO PROTECT PAVING FROM TRAFFIC UNTIL MIXTURE HAS COOLED ENOUGH NOT TO BECOME MARKED.
11. AGGREGATES SHALL BE IN ACCORDANCE WITH SECTION 460.2 OF THE WISDOT STANDARD SPECIFICATIONS. UPPER LAYER SHALL HAVE 1/2" (12.5 MM) NOMINAL AGGREGATE SIZE MATERIAL CONFORMING TO SECTION 460.2.2.3 OF THE WISDOT STANDARD SPECIFICATIONS, LOWER LAYER SHALL HAVE 3/4" (19.0 MM NOMINAL AGGREGATE SIZE MATERIAL CONFORMING TO SECTION 460.2.2.3 OF THE WISDOT STANDARD SPECIFICATIONS.
12. ASPHALT BINDER: PG AS APPROVED BY WISDOT FOR THE REGION WHERE THE PAVEMENT IS TO BE INSTALLED.
13. TACK COAT: PER SECTION 455.2.5 AND 455.3.2 OF THE WISDOT STANDARD SPECIFICATIONS. APPLY TACK COAT BETWEEN BINDER AND SURFACE COURSE LAYERS. ALLOW TACK COAT TO CURE UNDISTURBED BEFORE APPLYING HOT-MIX ASPHALT PAVING. AVOID SMEARING OR STAINING ADJOINING SURFACES, APPURTENANCES, AND SURROUNDINGS. REMOVE SPILLAGES AND CLEAN AFFECTED SURFACES.

**CONCRETE PAVING SPECIFICATIONS:**

1. WITHIN THE PROPERTY BOUNDARY: SIDEWALKS AND CURB AND GUTTER SHALL BE CONSTRUCTED WITH MATERIALS CONFORMING TO SECTIONS 415, 416, AND 501 OF THE WISDOT STANDARD SPECIFICATIONS.
2. WITHIN PROPERTY BOUNDARY: CONCRETE SIDEWALKS AND CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE WISDOT STANDARD SPECIFICATIONS.
3. WITHIN THE RIGHT-OF-WAY: CONCRETE DRIVE APPROACHES, SIDEWALKS, AND CURB AND GUTTER SHALL BE CONSTRUCTED WITH MATERIALS CONFORMING TO THE CITY OF MILWAUKEE STREET SPECIFICATIONS, MOST RECENT EDITION.
4. WITHIN RIGHT-OF-WAY: CONCRETE SIDEWALKS AND CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF MILWAUKEE STREET SPECIFICATIONS, MOST RECENT EDITION.
5. CONCRETE DRIVE APPROACHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF MILWAUKEE STREET SPECIFICATIONS, MOST RECENT EDITION.

**MSE RETAINING WALL SPECIFICATIONS**

1. RETAINING WALL SYSTEM SHALL BE A MODULAR BLOCK MECHANICALLY STABILIZED EARTH (MSE) WALL, VERSA-LOK STANDARD UNIT OR APPROVED EQUAL. PRELIMINARY COLOR SELECTION IS GRAY. HOWEVER, CONTRACTOR SHALL PROVIDE OWNER WITH COLOR AND STYLE SAMPLE FOR OWNER REVIEW AND APPROVAL PRIOR TO PROCUREMENT AND INSTALLATION.
2. THE CONTRACTOR SHALL PROVIDE STAMPED AND SEALED SHOP DRAWINGS FOR THE RETAINING WALL PRIOR TO CONSTRUCTION. THE SHOP DRAWINGS SHALL INCLUDE THE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS FOR THE RETAINING WALL. THE SHOP DRAWINGS SHALL BE PREPARED AND STAMPED BY A QUALIFIED AND REGISTERED WISCONSIN PROFESSIONAL ENGINEER. THE SHOP DRAWINGS SHALL BE SUBMITTED TO THE OWNER AND CITY OF MILWAUKEE PRIOR TO CONSTRUCTION. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION.
3. WALL DESIGN ENGINEER MAY REQUIRE THAT ADDITIONAL DRAIN PIPING BE NEEDED BEYOND THAT SHOWN ON THE CIVIL PLANS, AND DEPENDENT UPON SOILS ENCOUNTERED DURING WALL CONSTRUCTION. CONTRACTOR SHALL COORDINATE INSTALLATION OF ADDITIONAL DRAINAGE PIPING AS NECESSARY TO FACILITATE RETAINING WALL CONSTRUCTION.
4. PLANS AND ELEVATIONS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.
5. DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADES AS SHOWN ON THE PLANS.

**PAVEMENT MARKING SPECIFICATIONS:**

1. PAVEMENT-MARKING PAINT: SHALL BE A MATERIAL APPROVED ON WISDOT'S APPROVED PRODUCTS LIST. PROCEED WITH PAVEMENT MARKING ONLY ON CLEAN, DRY SURFACES AND AT A MINIMUM AMBIENT OR SURFACE TEMPERATURE OF 40 DEG F FOR OIL-BASED MATERIALS, 55 DEG F FOR WATER-BASED MATERIALS, AND NOT EXCEEDING 95 DEG F.



CENTURY CITY 1  
MILWAUKEE, WISCONSIN

SPECIFICATIONS

RELEASED FOR BID 03-10-15 AEK  
MISC. 11-10-14 TPM  
MISC. 06-13-14 ABH  
PLAN EXAM 05-30-14 ABH  
PRELIM. BID 05-08-14 ABH

DRAWING NO. 14496-Specifications.dwg

DRAWN BY: VMS

DATE: 05-08-14

PROJECT NO: 14496

CHECKED BY: ABH

APPROVED BY:

SHEET NO.:

C 410