

# CITY OF MARSHFIELD

## 2016 Parking Lot Reconstruction

Parking Lot Reconstruction – 4th Street & Maple Avenue (Omaha Lot), Plan No. 8089,  
Project No. 312071



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# MARSHFIELD

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• The City in the Center •

### Contract 2016-03

City Contact:  
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City Engineer  
City of Marshfield  
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Suite 622  
Marshfield, WI 54449  
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**OFFICIAL NOTICE TO BIDDERS****CITY OF MARSHFIELD****2016 - OMAHA Parking Lot Reconstruction**

Parking Lot Reconstruction – 4<sup>th</sup> Street & Maple Avenue (Omaha Lot), Plan No. 8089, Project No. 312071

**CONTRACT 2016-03**

Sealed bids, containing proposals, will be received until 4:00 PM; Monday, August 15<sup>th</sup>, 2016 in the Office of the City Engineer, for the construction of the projects listed herein. Said bid proposals will be opened and publicly read in the lobby on the 6<sup>th</sup> Floor of City Hall Plaza, 630 South Central Avenue at 4:05 PM on Monday, August 15<sup>th</sup>, 2016.

Proposals will then be reviewed, tabulated, and submitted to the Board of Public Works at a special meeting on Tuesday, August 23<sup>rd</sup>, 2016 for consideration and recommendation to the Common Council at their regular meeting on Tuesday, August 23<sup>rd</sup>, 2016 for Award of Contract.

**ESTIMATE OF PRINCIPAL ITEMS**

1. Excavation	1,610 Cubic Yards
2. Concrete Curb and Gutter	550 Linear Feet
3. Remove Asphalt	1,990 Square Yards
4. Base Aggregate Dence 1-1/4 inch	770 Cubic Yards
5. Breaker Stone Run	990 Cubic Yards

No Proposal will be considered unless each is presented under sealed cover and is accompanied by a cashier's check or bid bond satisfactory to the Board of Public Works in an amount equal to five percent (5%) of the total amount of the Proposal and made out in the name of the City of Marshfield, Wisconsin, as a guarantee that, if the bid is accepted, the Bidder will execute and file the proper Contract and Performance Bond within ten (10) days after award of the bid. Upon the execution of the Contract by the City, the check will be returned.

No Proposal may be withdrawn by the Bidder for a period of thirty (30) days following the date of the bid opening, within which time the Contract will be awarded by the Common Council.

Complete digital project bidding documents are available at [www.questcdn.com](http://www.questcdn.com). You may download the digital plan documents for \$ 20.00 by inputting Quest project # 4610989 on the website's Project Search page. Please contact QuestCDN.com at 952-233-1632 or [info@questcdn.com](mailto:info@questcdn.com) for assistance in free membership registration, downloading, and working with this digital project information. Bidding documents may be examined at the offices of City of Marshfield, Engineering Division, 630 S Central Avenue, Marshfield, WI 54449.

An optional paper set of project documents (Plans and Specifications), as prepared by the Engineering Division, are available from the Office of the City Engineer for a nonrefundable price of \$ 100.00 per set which includes applicable sales tax and shipping. Please make your check to payable to City of Marshfield and send it to Suite 622, 630 South Central Avenue, Marshfield, WI 54449. Please contact us at (715) 486-2034 if you have any questions.

An updated plan holders list will be available on the QuestCDN website.

The City of Marshfield, Wisconsin reserves the right to accept or reject any or all proposals, including, but not limited to, any or all proposals which are not responsive, to waive informalities in the bidding procedure and to award the Contract to the Bidder whom, in the opinion of said City, will be most advantageous to said City.

Letting of this Contract is subject to applicable provisions of the Wisconsin Statutes, including 66.0903 relative to minimum wage rates.

BOARD OF PUBLIC WORKS  
MARSHFIELD, WISCONSIN  
Daniel G. Knoeck, Secretary

PUBLISH: News Herald – July 30<sup>th</sup> & August 7<sup>th</sup>, 2016 – LEGAL

# **CITY OF MARSHFIELD CONTRACT 2016-03**

## **Parking Lot Reconstruction**

Parking Lot Reconstruction – 4th Street & Maple Avenue (Omaha Lot)  
Plan No. 8089  
Project No. 312071

### **DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS MINIMUM WAGE RATES**

In accordance with the requirements of Wisconsin Statute 66.0903, the Contractor shall pay his employees no less than the Minimum Wage Rates indicated on the attached 'Prevailing Wage Rate Determination' for all work performed under this Contract.

Prior to receiving final payment, the Contractor must file an affidavit with the City of Marshfield, which states that all of the provisions and requirements of s. 66.0903(9), Stats., have been complied with and that such Contractor has received similar evidence of compliance from all of its agents and subcontractors. The final payment will not be issued until such an affidavit is filed in proper form and order.

**NOTE: THIS PROJECT IS SUBJECT TO PREVAILING WAGE RATES**

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State of Wisconsin Department of Workforce Development Equal Rights Division	<b>DEPARTMENTAL ORDER</b>
<b>ISSUE DATE:</b> 7/25/2016	
<b>PROJECT:</b>	
OMAHA PARKING LOT RECONSTRUCTION MARSHFIELD CITY, WOOD COUNTY, WI Determination No. 201602119 [Owner Project No. 312017]	
<b>PROJECT OWNER:</b>	<b>REQUESTER:</b>
THOMAS R TURCHI PE, CITY ENGINEER CITY OF MARSHFIELD 630 S CENTRAL AVE PO BOX 727 MARSHFIELD, WI 544490727	THOMAS R TURCHI PE, CITY ENGINEER CITY OF MARSHFIELD 630 S CENTRAL AVE PO BOX 727 MARSHFIELD, WI 544490727
<b>ADDITIONAL CONTACT:</b>	<b>NOTE:</b> The Requester must provide a copy of this Project Determination and enclosures to the Project Owner and Additional Contact.
<p>The department received an application for prevailing wage rate determination for the above-captioned project. The department conducted a survey to determine the prevailing wage rate for the trade(s) or occupation(s) needed to complete the project. The survey's findings appear in the attached project determination.</p> <p>If you believe that the wage rate for any trade or occupation does not accurately reflect the prevailing wage rate in the city, village or town where the project is located, you may ask the department to conduct an administrative review of such wage rate. You must submit this request in writing within 30 days from the date indicated above. Additionally, your request must include wage rate information from at least three similar projects in the city, village or town where the proposed project is located and on which some work has been performed by the contested trade(s) during the current survey period and was previously considered by the department in issuing the attached determination. See DWD 290.10 of the Wisconsin Administrative Code and either s. 66.0903(3)(br), Stats., or s. 103.49(3)(c), Stats., for a complete explanation of the administrative review process.</p> <p>Enclosures</p>	
<p>It is hereby ordered that the prevailing wage rates set forth in the attached project determination shall only be applicable to the above referenced project. This order is a <b>FINAL ORDER</b> of the department unless a timely request for an administrative review is filed with the department.</p> <p>ISSUED BY:</p> <p style="text-align: center;">         Equal Rights Division          Labor Standards Bureau          Construction Wage Standards Section          P.O. Box 8928, Madison, WI 53708-8928          (608)266-6861       </p> <p style="text-align: center;">         Web Site: <a href="http://dwd.wisconsin.gov/er/">http://dwd.wisconsin.gov/er/</a> </p>	

**PREVAILING WAGE RATE DETERMINATION**

Issued by the State of Wisconsin  
 Department of Workforce Development  
 Pursuant to s. 66.0903, Wis. Stats.  
 Issued On: 7/25/2016

**DETERMINATION NUMBER:** 201602119

**EXPIRATION DATE:** Prime Contracts MUST Be Awarded or Negotiated On Or Before 1/21/2017. If NOT, You MUST Reapply.

**PROJECT NAME:** OMAHA PARKING LOT RECONSTRUCTION  
 PROJECT NO: 312017

**PROJECT LOCATION:** MARSHFIELD CITY, WOOD COUNTY, WI

**CONTRACTING AGENCY:** CITY OF MARSHFIELD

<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.

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

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

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

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

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

**s. 66.0903 (11) LIABILITY AND PENALTIES.**

(a) 1. Any contractor, subcontractor, or contractor's or subcontractor's agent who fails to pay the prevailing wage rate determined by the department under sub. (3) or who pays less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor is liable to any affected employee in the amount of his or her unpaid wages or his or her unpaid overtime compensation and in an additional amount as liquidated damages as provided under subd. 2., 3., whichever is applicable.

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

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

5. No employee may be a party plaintiff to an action under subd. 3. unless the employee consents in writing to become a party and the consent is filed in the court in which the action is brought. Notwithstanding s. 814.04 (1), the court shall, in addition to any judgment awarded to the plaintiff, allow reasonable attorney fees and costs to be paid by the defendant.

**BUILDING OR HEAVY CONSTRUCTION**

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

**SKILLED TRADES**

<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	32.72	17.67	50.39
102	Boilermaker	33.35	28.29	61.64
103	Bricklayer, Blocklayer or Stonemason Future Increase(s): 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.	32.40	18.80	51.20
104	Cabinet Installer	23.00	1.33	24.33
105	Carpenter Future Increase(s): 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.	33.02	17.12	50.14
106	Carpet Layer or Soft Floor Coverer Future Increase(s): Add \$1.42/hr on 6/1/2016.	33.02	17.12	50.14
107	Cement Finisher	32.15	17.92	50.07
108	Drywall Taper or Finisher	32.72	8.84	41.56
109	Electrician	29.20	17.36	46.56
110	Elevator Constructor	46.05	27.09	73.14
111	Fence Erector	19.27	6.84	26.11
112	Fire Sprinkler Fitter	38.28	18.81	57.09
113	Glazier	29.35	18.10	47.45
114	Heat or Frost Insulator	30.34	21.86	52.20
115	Insulator (Batt or Blown)	23.62	11.55	35.17
116	Ironworker	32.50	20.58	53.08

<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>
117	Lather	32.72	16.00	48.72
118	Line Constructor (Electrical)	40.81	19.12	59.93
119	Marble Finisher	25.72	18.54	44.26
120	Marble Mason	32.15	17.66	49.81
121	Metal Building Erector	18.32	8.62	26.94
122	Millwright Future Increase(s): Add \$1.47/hr on 6/1/2016.	34.79	17.17	51.96
123	Overhead Door Installer	17.50	6.39	23.89
124	Painter	17.00	0.00	17.00
125	Pavement Marking Operator	30.00	18.81	48.81
126	Piledriver Future Increase(s): Add \$1.44/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.	33.56	17.12	50.68
127	Pipeline Fuser or Welder (Gas or Utility)	35.55	16.12	51.67
129	Plasterer Future Increase(s): Add \$1.45 on 06/06/2016	32.40	18.80	51.20
130	Plumber	36.75	16.32	53.07
132	Refrigeration Mechanic	36.75	16.32	53.07
133	Roofer or Waterproofer	23.00	5.50	28.50
134	Sheet Metal Worker	28.10	23.50	51.60
135	Steamfitter	36.75	16.32	53.07
137	Teledata Technician or Installer	22.50	12.74	35.24
138	Temperature Control Installer	33.86	15.23	49.09
139	Terrazzo Finisher	25.72	18.54	44.26
140	Terrazzo Mechanic Future Increase(s): Add \$1.45 on 06/06/2016	31.59	19.60	51.19
141	Tile Finisher	30.00	0.00	30.00
142	Tile Setter Future Increase(s): Add \$1.45/hr on 6/06/2016.	31.59	19.61	51.20

<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>
143	Tuckpointer, Caulker or Cleaner Future Increase(s): 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.	32.40	18.80	51.20
144	Underwater Diver (Except on Great Lakes)	36.74	16.00	52.74
146	Well Driller or Pump Installer Future Increase(s): Add \$1/hr on 6/1/2016; Add \$1/hr on 6/1/2017.	25.32	16.40	41.72
147	Siding Installer	18.00	9.53	27.53
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	39.57	25.80	65.37
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	32.65	15.52	48.17
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	28.57	13.71	42.28
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.53	13.55	40.08
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	25.00	12.55	37.55

**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.	25.68	18.96	44.64
203	Three or More Axle	18.00	5.21	23.21
204	Articulated, Euclid, Dumptor, Off Road Material Hauler 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.	25.78	18.96	44.74
205	Pavement Marking Vehicle	18.00	5.21	23.21
207	Truck Mechanic	18.00	5.21	23.21

**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 \$1.25/hr eff. 06/06/2016 Premium Increase(s): Add \$1.00/hr for certified welder and pipelayer; Add \$.25/hr for mason tender	25.06	15.63	40.69
302	Asbestos Abatement Worker	25.02	15.63	40.65
303	Landscaper	10.00	0.00	10.00
310	Gas or Utility Pipeline Laborer (Other Than Sewer and Water)	21.14	14.65	35.79
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	12.00	0.00	12.00
314	Railroad Track Laborer	15.00	4.83	19.83
315	Final Construction Clean-Up Worker	29.01	17.39	46.40

**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).	36.67	16.96	53.63
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 \$1.60/hr on 6/3/2016.	34.69	20.38	55.07

<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>
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 \$1.60/hr on 6/3/2016.	34.69	20.38	55.07
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. Future Increase(s): Add \$1.25/hr on 1/1/2017. Premium Increase(s): Add \$.50/hr for Friction Crane, Lattice Boom or Crane Certification (CCO).	44.05	23.24	67.29
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. Future Increase(s): Add \$1.25/hr on 1/1/2017.	39.20	23.09	62.29
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.	36.72	21.15	57.87

**HEAVY EQUIPMENT OPERATORS  
EXCLUDING SITE PREPARATION, UTILITY, PAVING LANDSCAPING 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>
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 \$1.60/hr on 6/3/2016. Premium Increase(s):	37.67	20.38	58.05

<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>
	Add \$.50/hr for >200 Ton; Add \$1/hr at 300 Ton; Add \$1.50/hr at 400 Ton; Add \$2/hr at 500 Ton & Over.			
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 \$1.60/hr on 6/3/2016. Premium Increase(s): Add \$.25/hr for all >45 Ton lifting capacity cranes.	36.42	20.38	56.80
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 \$1.60/hr on 6/3/2016.	34.69	20.38	55.07
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 \$1.60/hr on 6/3/2016.	34.69	20.38	55.07

<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 \$1.60/hr on 6/3/2016.	32.62	20.38	53.00
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 \$1.60/hr on 6/3/2016.	31.99	20.38	52.37
514	Gas or Utility Pipeline, Except Sewer & Water (Primary Equipment). Future Increase(s): Add \$1/hr on 5/30/2016.	37.04	22.44	59.48
515	Gas or Utility Pipeline, Except Sewer & Water (Secondary Equipment).	33.82	20.30	54.12
516	Fiber Optic Cable Equipment	23.00	0.00	23.00

<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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CODE	TRADE OR OCCUPATION	FRINGE BENEFITS MUST BE PAID ON <u>All</u> Hours Worked	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
			\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason		32.15	17.66	49.81
105	Carpenter		32.72	16.00	48.72
107	Cement Finisher Future Increase(s): 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.		35.97	17.85	53.82
109	Electrician Future Increase(s): Add \$1.60 on 6/1/16; Add \$1.70 on 6/1/17 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.		35.13	23.19	58.32
111	Fence Erector		19.27	6.84	26.11
116	Ironworker		32.50	20.58	53.08
118	Line Constructor (Electrical)		40.81	19.12	59.93
125	Pavement Marking Operator		30.00	18.81	48.81
126	Piledriver		33.24	16.00	49.24
130	Plumber Future Increase(s): Add \$1.50 on 6/1/16		39.95	19.45	59.40
135	Steamfitter		35.55	16.12	51.67
137	Teledata Technician or Installer		22.50	12.74	35.24
143	Tuckpointer, Caulker or Cleaner		32.15	17.66	49.81
144	Underwater Diver (Except on Great Lakes)		31.00	20.43	51.43
146	Well Driller or Pump Installer Future Increase(s): Add \$1/hr on 6/1/2016; Add \$1/hr on 6/1/2017.		25.32	16.40	41.72

<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>
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	36.73	15.92	52.65
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	32.65	15.52	48.17
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	28.57	13.71	42.28
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.53	13.55	40.08
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.97	34.72

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**TRUCK DRIVERS**

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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>
201	Single Axle or Two Axle	19.00	0.00	19.00
203	Three or More Axle	19.00	0.00	19.00
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	33.69	19.78	53.47
205	Pavement Marking Vehicle	19.00	0.00	19.00
207	Truck Mechanic	19.00	0.00	19.00

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**LABORERS**

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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>
301	General Laborer	26.09	14.76	40.85
303	Landscaper	41.00	0.00	41.00
304	Flagperson or Traffic Control Person	19.31	10.45	29.76
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	12.00	0.00	12.00
314	Railroad Track Laborer	15.00	4.83	19.83

**HEAVY EQUIPMENT OPERATORS  
SEWER, WATER OR TUNNEL 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>
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. Premium Increase(s): Add \$.25/hr for operating tower crane.	38.09	20.80	58.89
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 \$1.60/hr on 6/3/2016.	35.22	20.38	55.60
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 \$1.60/hr on 6/3/2016.	34.69	20.38	55.07

<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>
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.	33.69	21.75	55.44
525	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Loading Machine (Conveyor); Post Hole Digger or Driver; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	30.19	22.06	52.25
526	Boiler (Temporary Heat); Forklift; Greaser; Oiler.	30.99	19.78	50.77
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.	22.24	22.79	45.03
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.	36.72	21.15	57.87

**LOCAL STREET OR MISCELLANEOUS PAVING CONSTRUCTION**

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

**SKILLED TRADES**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason	32.15	17.66	49.81
105	Carpenter Future Increase(s): 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.	33.02	17.12	50.14
107	Cement Finisher Future Increase(s): Add \$1.50 on 05/30/2016;	27.36	20.44	47.80
109	Electrician	34.82	20.39	55.21
111	Fence Erector	19.27	6.84	26.11
116	Ironworker	32.50	20.58	53.08
118	Line Constructor (Electrical)	40.81	19.12	59.93
124	Painter	17.00	0.00	17.00
125	Pavement Marking Operator	30.00	18.81	48.81
126	Piledriver Future Increase(s): Add \$1.44/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.	33.56	17.12	50.68
133	Rofer or Waterproofofer	23.00	5.50	28.50
137	Teledata Technician or Installer	22.50	12.74	35.24
143	Tuckpointer, Caulker or Cleaner	32.15	17.66	49.81
144	Underwater Diver (Except on Great Lakes)	36.74	16.00	52.74
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	36.73	15.92	52.65
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	32.65	15.52	48.17
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	28.57	13.71	42.28

<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>
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.53	13.55	40.08
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	25.28	18.31	43.59
203	Three or More Axle 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.	25.78	18.96	44.74
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.60/hr on 6/3/2016.	34.69	20.38	55.07
205	Pavement Marking Vehicle	25.28	18.31	43.59
206	Shadow or Pilot Vehicle	25.28	18.31	43.59
207	Truck Mechanic	25.28	18.31	43.59

**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	19.31	16.35	35.66
303	Landscaper Future Increase(s): 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).	30.67	15.65	46.32
304	Flagperson or Traffic Control Person	19.31	10.45	29.76
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	12.00	0.00	12.00

314	Railroad Track Laborer	15.00	4.83	19.83
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**HEAVY EQUIPMENT OPERATORS  
CONCRETE PAVEMENT OR BRIDGE 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> \$
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 \$1.60/hr on 6/3/2016. Premium Increase(s): Add \$.50/hr for >200 Ton; Add \$1/hr at 300 Ton; Add \$1.50/hr at 400 Ton; Add \$2/hr at 500 Ton & Over.	37.67	20.38	58.05
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 \$1.30/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://wisconsin.gov/Pages/doing-bus/civil-rights/labornwage/prevaling-wage-compliance.aspx">http://wisconsin.gov/Pages/doing-bus/civil-rights/labornwage/prevaling-wage-compliance.aspx</a> .	37.77	21.85	59.62

<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.	22.24	22.79	45.03
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 \$1.30/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://wisconsin.gov/Page/s/doing-bus/civil-rights/labornwage/prevailing-wage-compliance.aspx">http://wisconsin.gov/Page/s/doing-bus/civil-rights/labornwage/prevailing-wage-compliance.aspx</a> .	37.27	21.85	59.12
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.	31.62	19.78	51.40
546	Fiber Optic Cable Equipment.	23.00	0.00	23.00

<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>
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. Future Increase(s): Add \$1.25/hr on 1/1/2017. Premium Increase(s): Add \$.50/hr for Friction Crane, Lattice Boom or Crane Certification (CCO).	44.05	23.24	67.29
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.	22.24	22.79	45.03
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.	36.72	21.15	57.87

**HEAVY EQUIPMENT OPERATORS  
ASPHALT PAVEMENT OR OTHER 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>
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.	36.67	19.78	56.45

<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>
552	<p>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. &amp; Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &amp;/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.</p> <p>Future Increase(s): 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://wisconsin.gov/Pages/doing-bus/civil-rights/labornwage/prevailing-wage-compliance.aspx">http://wisconsin.gov/Pages/doing-bus/civil-rights/labornwage/prevailing-wage-compliance.aspx</a>.</p>	37.77	21.85	59.62
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 \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.</p>	30.20	20.65	50.85

**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> \$
554	Backfiller; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self-Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler. Future Increase(s): Add \$1.30/hr on 6/1/2016; Add \$1.25/hr on 6/1/2017.	30.20	20.65	50.85
555	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.60/hr on 6/3/2016.	32.62	20.38	53.00
556	Fiber Optic Cable Equipment.	23.00	0.00	23.00

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

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Department of Workforce Development  
 Equal Rights Division  
 P.O. Box 8928  
 Madison, WI 53708-8928  
 Telephone: (608) 266-6860  
 Fax: (608) 267-4592  
 TTY: (608) 264-8752

STATE OF WISCONSIN



Department of Workforce Development

Scott Walker, Governor  
 Raymond Allen, Secretary

The documents following the Prevailing Wage Rate Determination consist of twenty pages (including this one) of various forms/documents that will be used throughout the completion of the project. This prevailing wage rate determination and its underlying legal requirements outlined in the attached documents apply for the life of this project even though work on the project continues into 2017 or beyond. The chart below lists the form number, form/document name, the party who uses the document, and the document's number of pages. If you have any questions regarding these forms please call the Prevailing Wage Office at (608)266-6861.

ERD Form Number	Form Name	Party Who Uses the Form	Pages
	July 2015 description of recent changes to Wisconsin's prevailing wage laws resulting from enactment of the 2015-17 State Budget Bill.		1
	Prevailing Wage - Public Entity Project Owners	Explanation of project owner responsibilities	2
16056	Post the White Sheet	Contracting agency	1
10908	Consolidated List of Debarred Contractors	Any party contracting someone to complete work on a prevailing wage project	4
	Prevailing Wage – Contractors	Explanation of contractor responsibilities	2
7777	Disclosure of Ownership	Contractors that meet the criteria set out in (3)(A)&(B) of the form	1
5724	Prime Contractor Affidavit of Compliance	Prime contractor files with contracting agency upon completion of the work before receiving final payment	2
10584	Agent or Subcontractor Affidavit of Compliance	Subcontractors file with their awarding contractor upon completion of their work on the project before receiving final payment	2
10880	Request to Employ Subjourneyperson	Contractors wishing to employ a subjourneyperson(s)	1
	Additional General Prevailing Wage Law Information	General information for public entity or any other interested party	3

02/16/2016

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Scott Walker, Governor  
Reginald J. Newson, Secretary

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***THE 2015-17 BUDGET BILL MADE SIGNIFICANT CHANGES TO WISCONSIN'S PREVAILING WAGE LAWS. HOWEVER, THOSE CHANGES DO NOT GO INTO EFFECT UNTIL JANUARY 1, 2017.***

During calendar year 2016, DWD will continue to enforce prevailing wage laws for local governmental unit and state agency public works projects under current prevailing wage laws.

2015 Wisconsin Act 55 (the budget bill) repealed the state prevailing wage law for **local governmental units** such as villages, towns, cities, school districts, or sewerage districts effective January 1, 2017. However, if a local governmental unit:

- issues a Request for Bids before January 1, 2017, for a project of public works that is subject to bidding or,
- enters into a contract before January 1, 2017, for a project of public works that is not subject to bidding,

then those public works projects are subject to the current prevailing wage law (§66.0903, Wis. Stats.) through the life of the project. Projects of public works with prevailing wage project determinations issued prior to 2017 continue to be subject to the current prevailing wage law through the life of the project even though the project may have work going on in 2017 or subsequent years.

Contractors working on local governmental unit projects with prevailing wage rate determinations must continue to pay employees the appropriate prevailing wage and maintain required prevailing wage payroll records. For instance, if a contractor is working in 2018 on a public works project with a project determination issued prior to 2017, then the contractor is required to comply with the "old" prevailing wage rate law (§66.0903, Wis. Stats.). After January 1, 2017, DWD will continue to enforce prevailing wage requirements for projects with DWD prevailing wage determinations issued under the "old" prevailing wage laws (§§ 66.0903 & 103.49, Wis. Stats.).

For new public works projects starting on January 1, 2017, state prevailing wage law will only apply to **state agency** and **state highway** projects. Prevailing wage rates applicable to state agencies will be those issued by the U.S. Department of Labor under the Davis-Bacon Act, 40 U.S.C. 3142. The Wisconsin Department of Administration will enforce the new state agency prevailing wage law (§16.856, Wis. Stats.) and the Wisconsin Department of Transportation will continue to enforce prevailing wage on state highway projects (under a law renumbered as §84.062, Wis. Stats.).

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Scott Walker, Governor  
 Raymond Allen, Secretary

## PREVAILING WAGE – Public Entity Project Owners

Any public works project that has a total estimated project cost that equals or exceeds single-trade or multiple-trade project thresholds requires a prevailing wage rate determination issued by the Department of Workforce Development (DWD). Public works include erecting, constructing, remodeling, repairing, demolishing, alterations, painting and decorating projects for a local governmental unit or state agency. State law excludes minor service or maintenance work, warranty work, or work under a supply-and-installation contract. There is a statutory definition for most of these exclusions. The prevailing wage law that applies to local governmental units is §66.0903, Wis. Stats. The prevailing wage law that applies to state agencies is §103.49, Wis. Stats. The applicable administrative rules for all public entities are DWD 290 and DWD 294, Wis. Adm. Code.

### Thresholds

A “single-trade project of public works” means a project in which a single trade accounts for 85% or more of the total labor cost of the project. The single trade threshold is \$48,000.

A “multiple-trade project of public works” means a project in which no single trade accounts for 85% or more of the total labor cost of the project.

- (a) The multiple-trade threshold is \$100,000, unless a municipality falls under the description in (b).
- (b) The multiple-trade threshold of \$234,000 applies to public works projects erected, constructed, repaired, remodeled, or demolished by a private contractor for
  - a city or village with a population less than 2500 or
  - a town.

A local governmental unit or state agency that has a public works project that equals or exceeds the prevailing wage thresholds must do all of the following:

- Request a prevailing wage rate determination for the project from DWD at least 30 days before soliciting bids or negotiating contracts. An Application for Prevailing Wage Rate Determination is available on the DWD website: [http://dwd.wisconsin.gov/er/prevailing\\_wage\\_rate/default.htm](http://dwd.wisconsin.gov/er/prevailing_wage_rate/default.htm)

To avoid waiting for a project determination use the on-line application system that permits the user to generate a determination immediately and save all documents in PDF form to the user’s computer. Use this project determination on line application at the following address:

[http://dwd.wisconsin.gov/er/prevaling\\_wage\\_rate/pw\\_online\\_determinations.htm](http://dwd.wisconsin.gov/er/prevaling_wage_rate/pw_online_determinations.htm)

- Tell potential contractors the project is subject to state prevailing wage law when soliciting bids.
- Include the prevailing wage rate determination in the construction contract, or if there is no written contract, provide a copy of the project determination to each prime contractor.
- Award contracts to contractors who do *not* appear on the “Consolidated List of Debarred Contractors.”
- Notify contractors that they are required to have a written substance abuse testing program in place that fulfills the requirements of §103.503, Wis. Stats., before commencing work on the prevailing wage project.
- Post the prevailing wage rate determination on the project site. (This document is often referred to as “the white sheet.”)
- Notify project contractors that if DWD finds that a contractor violated the prevailing wage law, DWD will assess liquidated damages of 100% of the wages owed to employees.
- Obtain an Affidavit of Compliance from each prime contractor before making final payment for the project.

If the total estimated cost of the project exceeds the prevailing wage thresholds, a local governmental unit or state agency also must obtain a prevailing wage rate determination under the following circumstances:

- when a completed facility is leased, purchased, lease-purchased or otherwise acquired by or dedicated to a public entity in lieu of the public entity contracting for the project,
- when one public entity does work for another public entity,
- when a *private* entity will construct a road, street, bridge, sanitary sewer or water main project and dedicate it to a local governmental unit or the state for its ownership or maintenance (except for some residential subdivisions).

For more information, visit the prevailing wage website: [http://dwd.wisconsin.gov/er/prevaling\\_wage\\_rate/default.htm](http://dwd.wisconsin.gov/er/prevaling_wage_rate/default.htm). For further assistance, call the Equal Rights Division at 608-266-6861 and ask for prevailing wage.

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

## **POST THE WHITE SHEET**

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

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

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

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

Consolidated List of Debarred Contractors  
Prepared and Issued By

July 1, 2016

State of Wisconsin - Department of Workforce Development

This list has been prepared in accordance with the provisions of §§66.0903(12) and 103.49(7), Wis. Stats., and Chapter DWD 294 of the Wisconsin Administrative Code. All contractors on this list were found to have committed a "debarable offense" related to certain labor standard provisions determined or established for a state or local public works project. No state agency, local governmental unit or owner or developer may knowingly solicit bids from, negotiate with or award any contracts to or approve or allow any subcontracts with a debarred contractor, including all divisions, affiliates or other organizational elements of such contractor that are engaged in construction business activities, until the debarment is terminated. The name of each debarred contractor must remain on this list for a period of three (3) years from the termination date indicated below. The contractor is, however, only "debarred" from the "effective date" through the "termination date" indicated for that contractor. Questions regarding this list should be addressed to Jim Chiolino, Equal Rights Division, P. O. Box 8928, Madison, WI 53708 or call (608) 266-3345. Deaf, hearing or speech-impaired callers may contact the department by calling its TDD number (608) 264-8752.

<u>Name of Contractor</u>	<u>Address</u>	<u>Effective Date</u>	<u>Termination Date</u>	<u>Cause Code</u>	<u>Date of Violation(s)</u>	<u>Limitations/Deviations</u>
A-1 Duran Roofing & Insulation Services, Inc.	3700 N Fratney St Milwaukee, WI 53212	11/1/14	10/31/17	1, 2 and 4	2011- 2012	None
	or 8095 NW 64 <sup>th</sup> St Miami, FL 33166					
Abel, Mike	See, Abel Electric, Inc					
Abel Electric, Inc	3385 Belmar Rd Green Bay, WI 54313	9/1/12	8/31/15	1	2011	None
Alpha Electric, LLC	350 Business Park Dr Sun Prairie, WI 53590	8/1/15	7/31/18	4	2014	None
Arnie Christiansen Mason Contractors, LLC	2304 65 <sup>th</sup> Dr Franksville, WI 53126	9/1/14	8/31/16	1, 2 and 4	2011	None
Atkins, Scott	See, Freedom Insulation, Inc					
Bickel, Matthew	See, Peshfigo Asphalt, Inc					
Boecker, Roger	See, R-Way Pumping, Inc					
Brechtl, Mark G	See, Ecodec, Inc					

<u>Name of Contractor</u>	<u>Address</u>	<u>Effective Date</u>	<u>Termination Date</u>	<u>Cause Code</u>	<u>Date of Violation(s)</u>	<u>Limitations/ Deviations</u>
Cargill Heating and Air Conditioning Company, Inc	3049 Edgewater La La Crosse, WI 54603	3/1/14	2/28/17	1 and 2	2011	None
Castlerock Commercial Construction, Inc	PO Box 11699 Milwaukee, WI 53211-0699	2/1/12	1/31/15	1, 2 and 4	2009 & 2010	None
Christiansen, Andy	See, Arnie Christiansen Mason Contractors, LLC					
Christiansen, Arnold	See, Arnie Christiansen Mason Contractors, LLC					
Darnick, Gregory L	See, Darnick Trucking, LLC					
Darnick Trucking, LLC	W914 County Rd V Berlin, WI 54923	11/1/14	10/31/15	1, 2 and 4	2012 & 2013	None
Dem/Ex Group, Inc	805 S Adams St Manito, IL 61546	12/1/11	11/30/14	1 and 2	2010	None
Duran, Bernardo	See, A-1 Duran Roofing & Insulation Services and RRS2 Inc					
Ecodec, Inc	5106 Wintergreen Dr Madison, WI 53704	10/1/14	9/30/17	1	2011 & 2012	None
Fisher, Ed &/or Fisher, Rhonda	See, Dem/Ex Group, Inc					
Freedom Insulation, Inc	117925 219th Ave Chippewa Falls, WI 54729	9/1/11	8/31/14	1	2008- 2010	None
Froode, Kathleen M	See, Masonry Specialists II, LLC					
Galstad, Michael E (aka Michael Earl Galstad)	See, Cargill Heating and Air Conditioning Company, Inc					

<u>Name of Contractor</u>	<u>Address</u>	<u>Effective Date</u>	<u>Termination Date</u>	<u>Cause Code</u>	<u>Date of Violation(s)</u>	<u>Limitations/ Deviations</u>
Gjolaj, Ded	See, Horizon Bros Painting Corp					
Grade A Construction, Inc	157 Enterprise Rd Delafield, WI 53018	1/1/16	12/31/19	1, 2 and 4	2014	None
Hernandez, Jesus	See, Quality Essential, Inc.					
Horizon Bros Painting Corp	1053 Kendra La Howell, MI 48843	10/1/14	9/30/16	4	2012	None
JT Roofing, Inc	350 Tower Dr Saukville, WI 53080	6/1/12	5/31/15	1, 2 and 4	2007 & 2008	None
Jinkins, Richard	See, Castlerock Commercial Construction, Inc					
John's Concrete	See, Wagner Companies, Inc, dba John's Concrete					
Kott, Joseph J	See, Alpha Electric, LLC					
Masonry Specialists II, LLC	5109 Briarwood Ct Racine, WI 53402	8/1/15	7/31/18	4	2014	None
Mid-W Enterprises, Inc	1730 22 <sup>nd</sup> Avenue Kenosha, WI 53140	6/1/15	5/31/17	1, 2 and 4	2013	None
Midwest Construction Co, Inc	See, Mid-W Enterprises, Inc					
Oden, Cassie	See, A-1 Duran Roofing & Insulation Services and RRS2 Inc					
Ofstie, Darin	See, Precision Excavating and Grading, LLC					
Peret, Robert	See, A-1 Duran Roofing &					

Insulation Services and RRS2 Inc

<u>Name of Contractor</u>	<u>Address</u>	<u>Effective Date</u>	<u>Termination Date</u>	<u>Cause Code</u>	<u>Date of Violation(s)</u>	<u>Limitations/ Deviations</u>
Peshtigo Asphalt, Inc	W3895 Track La Peshtigo, WI 54157	3/1/16	2/28/17	1	2013- 2014	None
Precision Excavating and Grading, LLC or Precision Excavating Enterprises, LLC	2104 Pierce Saint Croix Rd Baldwin, WI 54002	5/1/11	4/30/14	1, 2 and 4	2006- 2008	None
Quality Essential, Inc.	917 11 <sup>th</sup> Ave S #4 Hopkins, MN 55343	7/1/16	6/30/19	4	2015	None
R-Way Pumping, Inc	3023 Lake Maria Rd Freeport, MN 56331	3/1/12	2/28/15	1, 2 and 4	2008	None
RRS2 Inc.	133 N Jackson St, #427 Milwaukee, WI 53202 or 1313 N Franklin Pl, #805 Milwaukee, WI 53202	11/1/14	10/31/17	1, 2 and 4	2011- 2012	None
Thull, Gerald T	See, JT Roofing, Inc					
Ventura, Robert	See, Mid-W Enterprises, Inc					
Wagner, Cory L	See, Wagner Companies, Inc					
Wagner Companies, Inc, dba John's Concrete	2063 Georgia Ave Racine, WI 53404	8/1/15	7/31/18	1	2013	None
Yaresh, Kathleen R	See, Grade A Construction, Inc					

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

Department of Workforce Development  
Equal Rights Division  
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Scott Walker, Governor  
Raymond Allen, Secretary

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## PREVAILING WAGE – Contractors

Any public works project that has a total estimated project cost that equals or exceeds prevailing wage project thresholds requires a prevailing wage rate determination issued by the Department of Workforce Development (DWD). Public works include erecting, constructing, remodeling, repairing, demolishing, alterations, painting and decorating projects for a local governmental unit or state agency. State law excludes minor service or maintenance work, warranty work, or work under a supply-and-installation contract. There is a statutory definition for most of these exclusions. The prevailing wage laws that apply to local governmental units and their contractors are §§66.0903 and 103.503, Wis. Stats. The prevailing wage laws that apply to state agencies and their contractors are §§103.49 and 103.503, Wis. Stats. The applicable administrative rules for all prevailing wage projects are DWD 290 and DWD 294, Wis. Adm. Code. These laws include provisions that apply to all contractors and subcontractors working on prevailing wage projects.

Any contractor or subcontractor working on a local governmental unit or state agency's public works project that equals or exceeds current prevailing wage project thresholds must do all of the following:

- Receive and review the project's prevailing wage rate determination (i.e., white sheet).
- Tell subcontractors the project is subject to state prevailing wage law and include the prevailing wage rate determination in the construction contract, or if there is no written contract, provide a copy of the project determination to each subcontractor.
- Hire subcontractors who do *not* appear on the "Consolidated List of Debarred Contractors."
- Have a written substance abuse testing program in place that fulfills the requirements of §103.503, Wis. Stats., before commencing work on the project.

- Notify subcontractors that if DWD finds that a contractor or subcontractor violated the prevailing wage law, DWD will assess liquidated damages of 100% of the wages owed to employees.
- Apply to DWD for subjourney wage rates prior to employing these individuals on the project.
- Receive and retain a completed Affidavit of Compliance from each subcontractor brought on to the project before providing final payment to those subcontractors.
- Submit a completed Affidavit of Compliance to the contractor who brought the subcontractor on to the project before receiving final payment for the project.
- Maintain payroll records for 3 years that comply with §§66.0903(10)(a) or 103.49(5)(a), Stats. and DWD 274.06.
- Respond to requests from DWD or the project owner to provide payroll records and/or respond to prevailing wage complaints filed by employees or third parties.

For more information, visit the prevailing wage website: [http://dwd.wisconsin.gov/er/prevailing\\_wage\\_rate/default.htm](http://dwd.wisconsin.gov/er/prevailing_wage_rate/default.htm). For further assistance, call the Equal Rights Division at 608-266-6861 and ask for prevailing wage.

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State of Wisconsin  
 Department of Workforce Development  
 Equal Rights Division

## 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**

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State of Wisconsin  
 Department of Workforce Development  
 Equal Rights Division

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

Authorization for this form is provided under Sections 66.0903(9)(c), 66.0904(7)(c) and 103.49(4r)(c) Wisconsin Statutes.

The use of this form is mandatory. The penalty for failing to complete this form is prescribed in Section 103.005(12), Wisconsin Statutes.

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

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

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

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

- **I am** the duly authorized officer of the corporation, partnership, sole proprietorship or business indicated below and have recently completed all of the work required under the terms and conditions of a contract with the above-named awarding agency and make this affidavit in accordance with the requirements set forth in Section 66.0903(9)(c), 66.0904(7)(c) or 103.49(4r)(c), Wisconsin Statutes and Chapter DWD 290 of the Wisconsin Administrative Code in order to obtain FINAL PAYMENT from such awarding agency.
- **I have** fully complied with all the wage and hour requirements applicable to this project, including all of the requirements set forth in the prevailing wage rate determination indicated above which was issued for such project by the Department of Workforce Development on the date indicated above.
- **I have** received the required affidavit of compliance from each of my agents and subcontractors that performed work on this project and have listed each of their names and addresses on page 2 of this affidavit.
- **I have** full and accurate records that clearly indicate the name and trade or occupation of every worker(s) that I employed on this project, including an accurate record of the hours worked and actual wages paid to such worker(s).
- **I will** retain the records and affidavit(s) described above and make them available for inspection for a period of at least three (3) years from the completion date indicated above at the address indicated below and shall not remove such records or affidavit(s) without prior notification to the awarding agency indicated above.

Name of Corporation, Partnership, Sole Proprietorship, Business, State Agency or Local Governmental Unit				
Street Address	City	State	Zip Code	Telephone Number
Print Name of Authorized Officer			Date Signed	
Signature of Authorized Officer				

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### List of Agents and Subcontractors

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

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

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State of Wisconsin  
 Department of Workforce Development  
 Equal Rights Division

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

Authorization for this form is provided under Sections 66.0903(9)(b), 66.0904(7)(b) and 103.49(4r)(9b), Wisconsin Statutes. The use of this form is mandatory. The penalty for failing to complete this form is prescribed in Section 103.005(12), Wisconsin Statutes.

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

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

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

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

- **I am** the duly authorized officer of the corporation, partnership, sole proprietorship or business indicated below. We have recently completed all of the work required under the terms and conditions of a subcontract with the above-named awarding contractor. We make this affidavit in accordance with the requirements set forth in Section 66.0903(9)(b), 66.0904(7)(b) or 103.49(4r)(b), Wisconsin Statutes and Chapter DWD 290 of the Wisconsin Administrative Code in order to obtain FINAL PAYMENT from such awarding contractor.
- **I have** fully complied with the entire wage and hour requirements applicable to this project, including all of the requirements set forth in the prevailing wage rate determination indicated above which was issued for such project by the Department of Workforce Development on the date indicated above.
- **I have** received the required affidavit of compliance from each of my agents and subcontractors that performed work on this project and have listed each of their names and addresses on page 2 of this affidavit.
- **I have** full and accurate records that clearly indicate the name and trade or occupation of every worker(s) that I employed on this project, including an accurate record of the hours worked and actual wages paid to such worker(s).
- **I will** retain the records and affidavit(s) described above and make them available for inspection for a period of at least three (3) years from the completion date indicated above at the address indicated below and shall not remove such records or affidavit(s) without prior notification to the awarding contractor.

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

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### List of Agents and Subcontractors

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

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

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

# Request to Employ Subjourneyperson

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

1. Name of Project Appearing on the Project Determination	
County	City, Village or Town
DWD Project Determination Number	Project Number (if applicable)
2. Job Classification(s) for which you request a subjourney rate (i.e., carpenter, electrician, plumber, etc.)	
a.	b.
c.	d.
3. Employer Name (Print)	
Address	City
Telephone Number ( )	State
Email address (if you prefer to receive your response via email)	Zip Code
Requester Name (Print)	
Requester Title	
Fax Number (if you prefer to receive your response via fax) ( )	

**READ CAREFULLY:** I understand that this request is ONLY applicable to the project and job classification(s) listed above and that subjourney employees primarily work under the direction of and assist a skilled trade employee by frequently using the tools of a skilled trade and will NOT regularly perform the duties of a general laborer, heavy equipment operator or truck driver. If the subjourney employee regularly performs the work of a different trade or occupation, he/she will be compensated for such work at the applicable journeyperson prevailing wage rate. I agree to compensate subjourney employees in strict accordance with the directions received from the DWD.

Requester Signature \_\_\_\_\_ Date Signed \_\_\_\_\_

MAIL the completed request to:  
 EQUAL RIGHTS DIVISION, LABOR STANDARDS BUREAU  
 PO BOX 8928, MADISON WI 53708  
 OR  
 FAX the completed request to: (608) 267-4592 / DO NOT e-mail your request.  
 Call (608) 266-6861 for assistance in completing this form.

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## **ADDITIONAL GENERAL PREVAILING WAGE LAW INFORMATION**

(This document updated July 2015)

**NOTE:** Recent prevailing wage law changes enacted by the 2015-17 Budget Bill (2015 Wisconsin Act 55) do not go into effect until calendar year 2017.

For prevailing wage laws and frequently asked questions, refer to the prevailing wage website at:  
[http://dwd.wisconsin.gov/er/prevailing\\_wage\\_rate/default.htm](http://dwd.wisconsin.gov/er/prevailing_wage_rate/default.htm)

<b>Topic</b>	<b>Who's affected?</b>	<b>Brief description of requirement under §66.0903 or §103.49</b>
<b>Non-applicability</b>	<b>All public entities</b>	Prevailing wage rates do not apply to minor service or maintenance work, warranty work, or work under a supply and installation contract.
<b>Non-applicability: Minor service or maintenance work</b>	<b>Local governmental units &amp; Contractors</b>	Minor service or maintenance work means a project of public works that is limited to <ul style="list-style-type: none"> <li>• minor crack filling, chip or slurry sealing, or other minor pavement patching, not including overlays, that has a projected life span of no longer than 5 years or that is performed for a TOWN and is not funded under §86.31, regardless of projected life span;</li> <li>• the depositing of gravel on an existing gravel road applied solely to maintain the road;</li> <li>• road shoulder maintenance;</li> <li>• cleaning of drainage or sewer ditches or structures; or</li> <li>• any other limited, minor work on public facilities or equipment that is routinely performed to prevent breakdown or deterioration.</li> </ul>
<b>Non-applicability: Minor service or maintenance work</b>	<b>State agencies</b>	Minor service or maintenance work means a project of public works that is limited to <ul style="list-style-type: none"> <li>• minor crack filling, chip or slurry sealing, or other minor pavement patching, not including overlays, that has a projected life span of no longer than 5 years;</li> <li>• cleaning of drainage or sewer ditches or structures; or</li> <li>• any other limited, minor work on public facilities or equipment that is routinely performed to prevent breakdown or deterioration.</li> </ul>
<b>Non-applicability: Supply &amp; installation contract</b>	<b>All public entities</b>	Supply and installation contract means a contract under which the material is installed by means of simple fasteners or connectors such as screws or nuts and bolts and no other work is performed on the site of the project of public works, and the total labor cost to install the material does not exceed 20 percent of the total cost of the contract.
<b>Non-applicability: Work which a contractor or individual donates to a public entity</b>	<b>All public entities</b>	Prevailing wage laws §§66.0903 & 103.49, Stats., do not apply to work performed on a project of public works for which the local governmental unit or the state or the state agency contracting for the project is not required to compensate any contractor, subcontractor, contractor's or subcontractor's agent, or individual for performing the work.

<b>Topic</b>	<b>Who's affected?</b>	<b>Brief description of requirement under §66.0903 or §103.49</b>
<b>Non-applicability: Residential</b>	<b>All public entities</b>	<b>A prevailing wage rate determination is not required for the erection, construction, repair, remodeling, or demolition of a residential property containing 2 dwelling units or less.</b>
<b>Non-applicability: Residential subdivision infrastructure</b>	<b>All public entities</b>	<b>A prevailing wage rate determination is not required for a road, street, bridge, sanitary sewer, or water main project that is a part of a development in which at least 90 percent of the lots contain or will contain 2 dwelling units or less, as determined by the local governmental unit at the time of approval of the development, and that, on completion, is acquired by, or dedicated to, a local governmental unit (including under §236.13(2), Stats.), or the state, for ownership or maintenance by the local governmental unit or the state.</b>
<b>Electronic certified payroll record</b>	<b>Contractors</b>	<b>The requirement that every contractor on a prevailing wage project submit to DWD monthly a certified record of employees who worked on the project and that DWD post these certified records on its Internet website was discontinued effective July 1, 2011. Contractors are still required to maintain payroll records and provide them upon request from DWD &amp;/or the project owner.</b>
<b>Payroll record inspection request by any person</b>	<b>Contractors &amp; Complainants</b>	<b>Any person may request DWD to inspect the payroll records of any contractor working on a prevailing wage project. On receipt of such a request, the contractor must submit to DWD a certified record of its payroll records, other than personally identifiable information relating to an employee of the contractor, for no longer than a 4-week period. DWD may request records from a contractor under this provision no more than once per calendar quarter for each project of public works on which the contractor is performing work. The department may not charge a requester a fee for obtaining that information. DWD must make these certified records available for public inspection.</b>
<b>Statewide uniformity</b>	<b>Local governmental units</b>	<b>A local governmental unit may not enact &amp; administer a prevailing wage ordinance/provision for public works or publicly funded private construction projects. Any extant laws to that effect are void.</b>
<b>Substance Abuse Testing</b>	<b>Contractors &amp; Workers</b>	<b>Before commencing work on a prevailing wage project, a contractor must have a written substance abuse testing program in place that complies with §103.503, Wis. Stats. No employee may use, possess, attempt to possess, distribute, deliver, or be under the influence of a drug or under the influence of alcohol while performing work on a prevailing wage project.</b>

## **INFORMATION FOR BIDDING AND EXECUTION OF CONTRACT**

### **1. INFORMATION AVAILABLE VIA 'QUESTCDN'**

Complete digital project bidding documents are available at [www.questcdn.com](http://www.questcdn.com). You may download the digital plan documents for \$ 20.00 by inputting Quest project # **4610989** on the website's Project Search page. Please contact QuestCDN.com at 952-233-1632 or [info@questcdn.com](mailto:info@questcdn.com) for assistance in free membership registration, downloading, and working with this digital project information. Bidding documents may be examined at the offices of City of Marshfield, Engineering Division, 630 S Central Avenue, Marshfield, WI 54449. A current plan holder's list and bid tabulation will be available on the QuestCDN.com website after bids are opened.

### **2. WAGE SCALE**

The Contractor shall be bound by the Prevailing Wage Rate Determination attached to the Special Provisions and a part of this Contract. The Contractor shall furnish certified copies of his payroll for any period when requested by the Owner.

### **3. PREPARATION OF PROPOSAL**

The Bidder shall submit his Proposal on the form furnished by the Owner. The Proposal shall be executed properly and unit prices shall be offered for all items indicated on the Proposal Form.

In case of conflict between the Unit Price and the corresponding extended amount, the Unit Price shall govern.

All writing shall be with ink or typewriter except the signature, which shall be written with ink.

A Proposal submitted by an individual shall be signed by the Bidder or by a duly authorized agent. A Proposal submitted by a partnership shall be signed by a member or by a duly authorized agent thereof. A Proposal submitted by a corporation shall be signed by an authorized officer or duly authorized agent of such corporation, and the Proposal shall show the name of the state under the laws of which said corporation was chartered. The required signature shall, in all cases, appear in the space provided therefore on the Proposal.

### **4. SUBCONTRACTING**

The Contractor will be permitted to sublet a portion of the Contract, but shall perform with his own organization, work amounting to at least 30 percent of the original Contract amount.

If the Contractor shall sublet any part of this Contract, the Contractor shall be as fully responsible to the Owner for the acts and omissions of his Subcontractor and of the persons either directly or indirectly employed by his Subcontractor as he is by acts or omissions of persons directly employed by himself. All Subcontractors, if any, shall be listed in the spaces provided on the Proposal Form and said list shall not be added to or altered without the written consent of the Owner.

## 5. FORMS TO BE INCLUDED AS THE 'BID'

Forms to be included by the Bidder and submitted to the Owner as the 'Bid' include the following:

- **Proposal**
- **Proposal Guarantee**
- **Full and Complete List of Subcontractors and Suppliers**

These forms/sections can be identified by the title on the first page of said section and the footer on the bottom of each page. Prospective Bidders shall go through these sections and fill them out completely. Failure to do so may result in having your bid be considered non-responsive.

Note: Form/sections to be executed by the successful low bidder as the 'Contract' includes the Certificate of Insurance, Performance and Payment Bond, and Contract.

## 6. PROPOSAL GUARANTEE

No Proposal will be considered unless accompanied by a certified check or bid bond in the amount, and payable to, the party as designated in the advertisement.

If alternate bids are invited and submitted, the Proposal Guarantee shall cover the amount of the highest alternate.

## 7. QUANTITIES

The estimated quantities of work as shown on the plans or in the contract documents have been compiled for the purpose of comparing proposals and are believed to be reasonably accurate. The Owner reserves the right to increase quantities, decrease quantities, delete items of work or order extra work as discussed in the Standard Specifications (Section 1.2).

## 8. INTENT OF PLANS AND SPECIFICATIONS

The direct intent of the Plans and Specifications is to provide for the construction, execution, and completion of every detail of a complete work or improvement which the Contractor undertakes to do in full compliance with the Plans, Specifications, Special Provisions, and all other Contract requirements. The Contractor shall perform all items of work covered and stipulated in the Proposal, including altered and/or extra work, all in accordance with the lines, grades, sections, and dimensions given, and shall furnish, unless otherwise provided in the Contract, all materials, implements, machinery, equipment, tools, supplies, and transportation and labor necessary for the prosecution and completion of the work.

## 9. DELIVERY OF PROPOSALS

Each Proposal shall be placed, together with the Proposal Guarantee, in a sealed envelope so marked as to indicate the project number and location and shall also show the name and address of the Contractor. Proposals will be received at the place designated in the advertisement until the hour on the date set for the receiving thereof and must be in the hands of the City Engineer by that time. When sent by mail, the sealed Proposal marked as indicated above shall be enclosed in an additional envelope. Proposals sent by mail must be in the hands of the City Engineer by the hour on the date set for receiving bids.

## **10. WITHDRAWAL OF PROPOSALS**

A Bidder may withdraw his Proposal, provided the request in writing is in the hands of the officer conducting the letting, by the time set for opening Proposals and that such request for withdrawal is not contingent on the result of bids read on other projects. Such Proposal will be returned to the Bidder unopened.

## **11. OPENING OF PROPOSALS**

Proposals will be opened and read publicly at the time and place indicated in the advertisement. Bidders or their authorized agents are invited to be present.

## **12. REJECTION OF PROPOSALS**

Proposals may be rejected if they show any alterations of form, additions, or amendments not called for, conditional or alternate bid unless called for, incomplete bids, erasures, or irregularities of any kind.

Proposals in which unit prices are not submitted for each item or work listed may be rejected.

## **13. DISQUALIFICATION OF BIDDERS**

Any one or more of the following causes may be considered as sufficient for rejection of the bid or bids and disqualification of the Bidder from further bidding for such period of time as determined by the Owner:

More than one Proposal for the same work from an individual, partnership, or corporation under the same or different names.

Evidence of collusion among the Bidders.

Lack of responsibility as shown by past work for the Owner, judged from the standpoint of workmanship and progress.

Noncompliance with terms of previous Contracts.

Uncompleted work which, in the judgment of the Owner, might hinder or prevent prompt completion of additional work if awarded.

## **14. CONSIDERATION OF PROPOSALS**

The Proposals received will be compared on the basis of summation of products of the items or work listed and the Contract unit prices offered. In case of discrepancy between the gross sum shown in the Proposal and that obtained by adding the products of the quantities of work for unit prices, the unit prices shall govern and any errors found in said projects shall be corrected. In awarding the Contract, the Owner may, in addition to considering the amount stated in the Proposal, take into consideration the responsibility of the various Bidders as determined from any investigation which it may elect to make.

The right is reserved to reject any or all Proposals, to waive technicalities, to re-advertise for Proposals, or to proceed to do the work otherwise, if, in the judgment of the Owner, the best interest of the City will be promoted thereby.

## **15. AWARDING OF THE CONTRACT**

The Contract shall be deemed to have been awarded when notice in writing is forwarded by the City Engineer pursuant to actions of the Board of Public Works and/or Common Council.

## **16. RETURN OF PROPOSAL GUARANTEE**

The Proposal guarantees of all except the two (2) lowest responsible Bidders will be returned within a reasonable time after the Proposals have been checked and tabulated. Proposal Guarantees of the two (2) lowest Bidders will be returned as soon as the Contract and Contractor's 100% Performance Bond and other documents required to be signed by the successful Bidder have been properly executed by the Bidder and submitted in proper form to the Owner.

## **17. EXECUTION OF CONTRACT**

Executed and complete Contracts shall be presented to the Owner within ten (10) calendar days after the date of the Notice of Award of the Contract. The Contract shall be executed by the Bidder/Contractor and the Contractor's bond(s) shall be executed by the Principal and Surety.

The Contractor shall submit insurance documents along with the executed Contract. Insurance documents shall include a Certificate of Insurance which clearly indicates compliance with the Contractor Liability Insurance Requirements as specified in the City's Standard Specifications (Section 1.1.9). In addition to the Certificate of Insurance, the Contractor shall submit a complete copy of the appropriate endorsements(s), such as but not limited to the endorsement which names the city of Marshfield as an additional insured.

Submission of improperly executed documents, or incomplete documents (such as failing to submit the Certificate of Insurance and /or endorsements) will delay final execution of the Contract by the Owner, and possibly the start of construction, however the schedule for completion of the project(s) will not be adjusted.

Final execution of the Contract by the Owner will occur after the Owner's attorney has reviewed the documents. The Owner and attorney shall be allowed a reasonable amount of time to complete their review/execution of the Contract (three working days minimum).

No Contract shall be considered binding upon the Owner until final execution of the Contract by the Owner.

## **18. FAILURE TO EXECUTE CONTRACT**

Failure on the part of the successful Bidder to execute a Contract and an acceptable Contractor's bond within ten (10) days after the date of notice of the awarding of the Contract will be considered as just cause for the annulment of the awarding and the forfeiture of the Proposal Guarantee to the Owner as payment of liquidated damages sustained as a result of such failure.

**CONTRACT 2016-03  
SPECIAL CONDITIONS  
INDEX**

Article No.	Standard Specification Chapter	Item/Article Name
1.	1	Project Scope
2.	1	Prosecution and Progress
3.	1	Staging of Construction
4.	1	Construction Vehicle Access
5.	1	Notification by Contractor
6.	1	Storage of Materials or Equipment
7.	1	Utilities
8.	1	Obstacles
9.	1	Construction Staking
10.	1	Project Sign(s) Required
11.	1	Sales and Use Tax Exemption
12.	3	Removal and Disposition of Existing Materials
13.	3	Caution – Do Not Damage Existing Utilities to Remain
14.	4	Compaction
15.	6	Maintain Existing Storm Sewer and Drainage
16.	6	Clean-Out, Riser and Storm Lateral (For 118 East 3 <sup>rd</sup> Street)
17.	11	Concrete and Concrete Surfaces
18.	12	Asphalt Pavement By Others
19.	12	Fine Grading
20.	16	Restoration of Turf Surfaces (Finished Terraces)
21.	16	Finished Planting Areas
22.	16	Planting Soil
23.	16	Hardwood Mulch
24.	18	Erosion Controls
25.	20	Existing PVC Sanitary Sewers and Groundwater
26.	22	Light Pole Bases, Electrical Conduit and Wiring
27.	22	Install Light Poles
28.	24	Traffic Control
29.	25	Demolition of Buildings

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## **SPECIAL CONDITIONS**

### **1. PROJECT SCOPE**

City of Marshfield Contract 2016-03 includes the following project:

#### A. Omaha Parking Lot (300 Block of South Maple Avenue) Reconstruction

Work on this project will include demolition of existing buildings along with reconstruction (and expansion) of an existing parking lot including removal of existing surfaces, excavation, drained subbase, underdrains, lighting, asphalt pavement (to be placed by others) and restoration. Pavement marking and signing will be done by City forces.

This parking lot shall be closed for this reconstruction.

### **2. PROSECUTION AND PROGRESS**

Perform the work under this construction contract as indicated on the plans and details, and execute the work as specified in these Special Provisions, the City of Marshfield 2016 Standard Specifications for Public Works Construction; and if so referenced the State of Wisconsin Department of Transportation Standard Specifications for Highway and Structure Construction, Current Edition, and/or the Standard Specifications for Sewer and Water Construction in Wisconsin, Sixth Edition with Addendum Nos. One and Two.

The Contractor shall provide a detailed schedule of construction operations (7 days prior to the preconstruction conference). All completion dates and/or completion periods shall include all work, by Contractor and others. The Contractor's schedule will comply with the following:

#### A. Omaha Parking Lot Reconstruction

Anticipated Start of Construction: On or after September 6, 2016.

Final Completion: Within 45 calendar days but before October 22, 2016.

Penalty: \$250 per calendar day.

### **3. STAGING OF CONSTRUCTION**

**Pedestrian Accommodations:** Accommodate pedestrian traffic as much as possible throughout the duration of the construction project. Pedestrian access can be maintained by utilizing existing sidewalks, proposed gravel (sidewalk base), or temporary surfaces such as boardwalks, planking, tread plates or gravel (graded, compacted and maintained) to provide a smooth, free draining and walkable surface. Volumes/quantities of temporary gravel will not be measured for payment. Traffic control devices shall be used to mark inaccessible sidewalk locations as specified elsewhere. Use/install safety fence to delineate walkways and protect pedestrians.

**Confined Work Zone(s):** Special staging/operations may be necessary to confine construction operations (such as but not limited to demolition, excavation, trenching, backfilling, spoil storage, etc.) within the existing right-of-ways and/or City owned property. Private properties may be available for use; however it is the Contractor's responsibility to make said arrangements/agreements. Contractor shall inform the City of properties whose owner(s) have agreed with Contractor for said use, however, the City Engineer hereby assumes no responsibility/liability regarding said arrangements/agreements.

**Staging/Coordination/Access Requirements:**

A. Omaha Parking Lot Reconstruction

Stage demolition, abandonment, removal and/or reconstruction work etc. such that the alley remains open/accessible at all times.

Coordinate with:

- Neighboring property owners regarding demolition/removals adjacent to their properties.
- City’s asbestos abatement contractor regarding removal of ACM’s concurrent with demolition.
- Sherwin Williams regarding truck deliveries which occur every Monday and must be accommodated through the Omaha Parking Lot, throughout the duration of the project.
- We Energies regarding disconnection/abandonment/removal of gas (service) facilities.
- Frontier regarding disconnection/abandonment/removal of telephone (service) facilities.
- Charter regarding disconnection/abandonment/removal of cable (service) facilities.
- Marshfield Utilities (Water Department) regarding disconnection/abandonment/removal of water (service) facilities.
- Marshfield Utilities (Electric Department) regarding removal of an existing light.
- Todd Besler, owner of the Creative Paint and Decorating building at 111 East 4<sup>th</sup> Street, regarding spot repairs to the building foundation to be done by others, concurrent with excavation/construction.
- City’s asphalt paving contractor regarding placement of asphalt pavement.
- City DPW – Street Division regarding pavement markings and signing.

**4. CONSTRUCTION VEHICLE ACCESS**

Trucks hauling materials to or from the project site shall utilize only truck route streets that are indicated on the City of Marshfield Truck Route Map (included with these Special Provisions), unless other routes are approved by the City Engineer via the City’s Overweight Permit process.

**5. NOTIFICATION BY CONTRACTOR**

The Contractor shall notify the agencies listed below if road closures or changes in access can be expected to occur. The notice shall be distributed via fax at least 48-hours prior to closing a roadway or changing access. All notices shall briefly summarize the current status or work and access, and discuss progress or changes which are expected to occur within the next two weeks. The notice shall be signed by the Contractor’s agent who prepared it and include contact information (with phone numbers) where notified agencies can call to ask questions.

The City Engineer will provide email addresses/contacts to the Contractor for distribution of said Notice. Fax numbers can be used if emails are undeliverable/returned.

Agencies to be notified include:

<b>AGENCY</b>	<b>FAX NUMBER</b>
City of Marshfield – Public Works, Engineering Division	715.384.7631
City of Marshfield – Public Works, Street Division	715.486.2081
City of Marshfield – Police Department	715.384.0823
City of Marshfield – Fire Department	715.384.8868
Wood County – Sheriff’s Department	715.421.8775
Wood County – Sheriff’s Department – Marshfield Annex	715.384.4602
Wood County Highway Department	715.421.8808
Wood County Dispatch	715.421.8504
Main Street Marshfield	715.387.2286
Advanced Disposal Services (formerly Veolia ES)	715.384.3445
Waste Management	866.877.3790

The Contractor shall notify all occupied properties (commercial and residential, including renters) of the start of construction at least three calendar days prior to the beginning of said work. The City Engineer can supply a list of mailing addresses, upon request.

## **6. STORAGE OF MATERIALS OR EQUIPMENT**

The Contractor shall not utilize property beyond the right of way (private lands), parcels upon which the City of Marshfield has acquired easement rights, or any City-owned parks/parking lots/etc. except as discussed below, unless the Contractor obtains written permission for use from the property owner(s). Contractor shall inform the City Engineer of said permission/agreements; however, the City Engineer hereby assumes no responsibility/liability regarding said arrangements/agreements.

Disturbed areas outside of the construction limits and/or slope intercepts and utilized for storage or access shall be protected with erosion controls and restored to the satisfaction of the Engineer upon completion of the project. All work regarding said storage, including but not limited to erosion controls and restoration, shall be considered incidental to construction.

## **7. UTILITIES**

### **A. General**

There are underground and overhead utility facilities located with project limits. The Contractor shall coordinate his construction activities with a call to Digger's Hotline as required per State Statute. The Contractor is encouraged to contact utility/facility owners to obtain current information on the status of an existing utility facility or any utility relocation work.

Existing facilities are shown on the plans and are based upon information provided by utility companies. The Contractor shall coordinate all work with utility companies as pertinent to the Contractor's schedule of operation for the project. No damages or claims shall be made against the City due to delays by various utilities.

Utility work may be allowed to occur beyond staged construction limits, as approved by the City Engineer.

Utilities which are not specifically noted herein to be replaced shall therefore be assumed to remain in place, without disruption to service.

It is possible that potential conflicts may be discovered during construction. The Contractor and Utility owner are ultimately responsible for discovery and resolution of all conflicts.

All costs associated with the discovery of utility facilities and/or conflicts along with protecting utility facilities, including but not limited to: utilization of special equipment and/or work procedures; loss of production; special protection devices such as sheeting, shoring, poling, timbers or supports; temporary removal and reinstallation; additional labor or equipment; repair/replacement of utility facilities any down time or delay; all coordination associated with utilities, and all material, labor, equipment, tools and incidentals necessary to complete the work, shall be incidental to construction.

Utility companies known to have facilities within the project area(s) include:

- City of Marshfield – Sanitary Sewer
- City of Marshfield – Storm Sewer
- Marshfield Utilities (MU) – Water

- Marshfield Utilities (MU) – Electric and Street Lighting
- Frontier Communications – Telephone
- Charter Communications – Cable
- WE Energies – Natural Gas

## **B. Sanitary Sewer**

The City of Marshfield has existing sanitary sewer mains and laterals that are located within construction limits of projects as indicated in the plans. The exact location of existing sanitary laterals is unknown, however, the Contractor shall be responsible to locate, protect and repair (if disturbed) existing mains and laterals (to remain) as necessary.

- Sanitary sewer facilities for 302 South Maple Avenue (lateral) shall be removed/abandoned.

## **C. Storm Sewer**

The City of Marshfield has existing storm sewer mains, leads and laterals that are located within construction limits of projects as indicated on the plans. The exact location of existing storm mains, laterals and insulation is unknown, however, the Contractor shall be responsible to locate, protect and repair (if disturbed) existing mains and laterals (to remain) as necessary.

## **D. Water Main**

Marshfield Utilities (MU) – Water Department has existing water mains, valves, hydrants, leads, hydrant valves and service laterals that are located within the construction limits of projects as indicated on the plans.

- Water Distribution facilities for 302 South Maple Avenue (service) shall be removed/abandoned

## **E. Electric**

Marshfield Utilities (MU) – Electric Department has underground and overhead facilities within construction limits.

- The existing street light with wood pole will be removed by Marshfield Utilities, prior to or concurrent with Contractor's work.
- There are existing underground conduits crossing the parking lot from the alley to existing concrete bases and/or the lighting control cabinet, which shall not be disturbed.

## **F. Telephone**

Frontier Communications has existing lines within construction limits of projects as indicated on the plans.

- Telephone lines for 302 South Maple Avenue (service) shall be removed/abandoned.

## **G. Cable**

Charter Communications has facilities within/adjacent to construction limits.

- Communication/cable TV lines for 302 South Maple Avenue shall be removed/abandoned.

## H. Natural Gas

WE Energies has underground facilities within the construction limits of this project.

- WE Energies or their designated subcontractor will be abandoning gas service facilities within and adjacent to project limits as noted, concurrent with construction.

The Contractor shall coordinate with WE Energies regarding the discovery and resolution of any conflicts and shall allow ample time and space for the natural gas utility owner for this abandonment, or to remove, construct, adjust, reconstruct and/or relocate facilities, as necessary.

Building demolition cannot occur until the said gas service line has been properly abandoned.

## 8. OBSTACLES

### A. General

It is understood that the Contractor, by careful examination, is satisfied as to the nature and location of the obstacles to be encountered, requirements as dictated by the utility/obstacle owner, character of the equipment and facilities needed for prosecution of the project. All work associated with "Obstacles" shall be considered incidental to the project(s), unless specifically discussed or listed for payment elsewhere.

### B. Utilities

Gas, power, cable TV and/or telephone poles, guys, pedestals or other utility items encountered as construction progresses, may require temporary removal, relocation and/or replacement. All costs associated with the temporary relocations, removal and reconnection of utility facilities will be at the Contractor's expense and no additional payment will be made for said work. Permanent removal of utility facilities shall be the responsibility of the utility Owners. The Contractor shall work with the utilities on the scheduling of any temporary or permanent relocation.

### C. Sanitary Sewer Mains and Service Laterals

The Contractor will be required to keep a supply of materials on site to repair damaged sewer mains or laterals encountered during the construction. The materials include but are not limited to PVC sewer pipe, Fernco adapters, repair couplings, wyes, tees, etc. Failure to have adequate and proper materials on hand for timely repairs will not be grounds for any additional payments. Any damage to sanitary laterals, located or not located, shall be the responsibility of the Contractor.

Note: Fernco connectors are not allowed on PVC to PVC connections.

### D. Street Signs (City)

Where necessary for construction within construction limits or replaced by a proposed permanent sign, the Contractor shall carefully remove existing street signs (and posts) and carefully haul to the City of Marshfield - Public Works – Street Division Sign Shop (101 South Oak Avenue). These signs include street names, stop, speed limit, etc. Temporary signs required for traffic flow shall be installed and maintained by the Contractor. Additional information and requirements are discussed elsewhere within these Special Conditions.

**E. Miscellaneous Signs**

Where necessary for construction, the Contractor shall protect existing miscellaneous signs such that each sign remains undisturbed and is visible to intended parties/motorists.

**F. Trash Containers**

The Contractor shall coordinate with trash and recycling companies such that there is no interruption of these pickup services. Temporary provisions, if required, may include dumpsters at central locations and/or carts at alternate sites. The Contractor shall carry/move trash/recyclable materials from properties inaccessible for pickup due to construction to temporary pickup facilities/locations.

**G. Lawn Ornaments, Address Signs, Fence, Landscape Timbers/Borders, Etc.**

Where necessary, these items will be carefully removed and salvaged for the Owner, or where necessary, stored, relocated and/or reinstalled by the Contractor. Installation and restoration will be "of kind" to the complete satisfaction of the Owner. Upon completion, these items shall be relocated to their original location or an approved location. This work shall be considered incidental to construction, unless specifically listed for payment in the Contract Unit Price Schedule.

**H. Bollards, Protective Barriers, Retaining Walls, Etc.**

The Contractor shall not disturb bollards or other protective barriers including retaining walls that are not designated for removal. Use extreme care when removing and replacing surfaces adjacent to these barriers. Protect said devices from any damage including damage from new concrete or asphalt materials (including sprays, splatter, etc.). This work shall be considered incidental to construction.

**9. CONSTRUCTION STAKING**

The City of Marshfield shall provide construction staking as described in the City's Standard Specifications (Section 1.4.3). The Contractor shall coordinate staking requirements with the City and provide at least 72 hours notice when requesting staking.

The Contractor shall provide any additional staking as necessary for construction of the projects.

**10. PROJECT SIGN REQUIRED**

A project sign is required for this project in accordance with City Standard Specification Section 1.3.29. Installation, maintenance and removal thereafter of the project sign shall be considered incidental to construction.

**11. SALES AND USE TAX EXEMPTION**

Per recently enacted legislation (State Statutes 77.54(9M), Wisconsin Administrative Code Tax Rule 11.11, 2015 Senate Bill 227, 2015 Wisconsin Act 126), the Contractor (and all subcontractors and suppliers) are exempt from paying sales and use taxes of the State of Wisconsin and of cities and counties thereof on eligible materials, equipment and components to be incorporated into the work.

Eligible materials, equipment and components include the following categories of work:

- Storm Sewer, as specified under Sections 6 through 10 of the City's Standard Specifications. Storm Sewer pay items are also identified on the Proposal and Contract (i.e. unit price schedules) by Item Number; 6-XXX, 7-XXX, 8-XXX, 9-XXX and 10-XXX.
- Water Supply, as specified under Sections 10 and 19 of the City's Standard Specifications. Water Supply pay items are also identified on the Proposal and Contract (i.e. unit price schedules) by Item Number; 10-XXX and 19-XXX.
- Sanitary Sewer, as specified under Sections 8 through 10 and 20 of the City's Standard Specifications. Sanitary Sewer pay items are also identified on the Proposal and Contract (i.e. unit price schedules) by Item Number; 8-XXX, 9-XXX, 10-XXX and 20-XXX.

Eligible Pay Items:

- 6-XXX Storm Sewer
- 7-XXX Storm Structures
- 8-XXX Manhole, Catch Basin, Area Drain and Inlet Covers
- 9-XXX Adjustment and Reconstruction of Manholes, Catch Basins, Area Drains and Inlets
- 10-XXX Removing and Abandoning Structures and Pipes
- 19-XXX Water Main and Services
- 20-XXX Sanitary Sewer and Manholes

Said sales and use taxes shall not be included in the Contractor's material cost/unit price for eligible items. This tax exemption does not apply to:

- Construction tools, machinery and equipment.
- Other 'property' purchased by or leased by the Contractor.
- Materials, equipment and components not incorporated into the work.
- Materials, equipment and components which are not described or listed as eligible categories or items.

The City of Marshfield will furnish certificates of tax exemption to Contractor for use in the purchase of tax exempt eligible items to be incorporated into the work upon request.

## **12. REMOVAL AND DISPOSITION OF EXISTING MATERIALS**

Materials designated to be removed (and salvaged for future use by the City) shall be removed, segregated and hauled by the Contractor to the City of Marshfield Public Works – Street Division Material Storage yards at either 2600 South Vine Avenue, or the 'Old Landfill' (east side of Lincoln Avenue at Airport Road) and deposited in the appropriate stockpile. The City shall be responsible for maintaining all materials stockpiles. The Contractor shall be responsible for disposal of existing materials at an alternate site if storage space at city sites is exhausted. Removal (and salvage) shall be in accordance with the Special Conditions and the City's Standard Specifications for Public Works Construction. When disposing materials at alternative or private sites, the Contractor is responsible for all legal and monetary obligations; for obtaining permits; and for compliance with all permit conditions, laws, rules and ordinances. All unsuitable materials and materials not specifically discussed herein or the City's Standard Specifications shall be disposed of by the Contractor (incidental to construction).

- A. Asphalt surfaces (including asphalt overlay, approaches, driveways, etc.) shall be deposited at the City's Vine Avenue materials storage yard (paid per Remove Asphalt Surface per S.Y).
- B. Concrete, rock and boulders shall be deposited at the City's Vine Avenue materials storage yard (paid per removal specifications per square yard or lineal foot).
- C. Surplus topsoil (suitable materials, may include sod, relatively free of contaminants/debris) shall be deposited at the 'Old Landfill' site (incidental to construction).

- D. Excavation – excavated fill materials shall be used on the project site in accordance with the grading plan. Unsuitable materials or surplus excavation shall be disposed of by the Contractor. Disposal of surplus excavation materials shall be considered incidental to construction. It is hereby recognized that disposal of unsuitable surplus excavation as described herein is the Contractor's responsibility, independent of City oversight or control, however, the Contractor shall provide documentation that demonstrates the disposal site property owner(s) are satisfied that the Contractor has fulfilled his obligation(s) to said property owner(s).

### **13. CAUTION – DO NOT DAMAGE EXISTING UTILITIES TO REMAIN**

The Contractor is hereby notified that there are existing municipal utilities that are to remain lying beneath existing pavements that are designated to be removed. Some of these existing utilities are shallow (such as existing conduits, etc.) and may be exposed during construction. Storm sewers and manholes (to remain) are located within the construction limits. The Contractor shall be extremely careful not to damage these utilities (during pavement breaking/removal, excavation, etc.) and will be responsible for said damage and repairs.

### **14. COMPACTION**

All disturbed, placed, imported (bedding, cover and/or backfill) or exposed soil or aggregate material shall be compacted in accordance with Section 4 of the Standard Specifications. Wet soil shall be removed/replaced or processed such that moisture/water content facilitates compaction to comply with density requirements.

Special compaction equipment will be required throughout the project. Use equipment which accomplishes compaction goals without damaging buildings and foundations abutting the project.

The Contractor shall compact/proof-roll areas where underground utility work occurred by others, including installation of new underground facilities or removal of existing facilities. This work shall be considered incidental to construction of the project.

### **15. MAINTAIN EXISTING STORM SEWER AND DRAINAGE**

The Contractor shall maintain drainage and a functioning storm sewer system throughout construction (as required by standard specification Section 1.3.24). Where the existing storm sewer pipe or structures are removed for replacement or to accommodate other work, temporary pipes and/or structures of sufficient capacity shall be installed by the contractor. Temporary facilities shall include soil-tight connections and shall not allow debris/materials into downstream sewers. Maintaining existing storm sewers and drainage, including temporary facilities and temporary connections shall be considered incidental to construction of the project

### **16. CLEAN-OUT, RISER AND STORM LATERAL (FOR 118 EAST 3<sup>RD</sup> STREET)**

As shown on the plan and details, the building at 118 East 3<sup>rd</sup> Street has a drain pipe exiting through the south wall of the building, and the Contractor shall provide a clean-out, riser and storm lateral to accommodate this drainage. Pipe materials shall be as noted on the detail (4-inch PVC Sch 40 with glued joints) and in accordance with Section 6 of the Standard Specifications. A frost sleeve is not required but the entire drain line shall be insulated (2" board, 40 psi).

The 1/2" PVC drain pipe shall be tapped (i.e. connected, not threaded) into the proposed riser and shall not protrude into the riser more than 1/2". Drill/hole saw 1/8" larger than the OD of the 1/2" PVC pipe. Place insulation over and under the 1/2" pipe (4" thick x 2' wide).

The existing 1/2" PVC drain pipe shall be sealed at the exterior face of the building, and at the tap on the riser (inside and outside).

Protect exposed insulation from damage from hot-mix asphalt. Duct-tape and protect the cleanout and cover also.

Clean-Out, Riser and Storm Lateral (for 118 East 3<sup>rd</sup> Street) shall be measured per Lump Sum. Payment will be made at the contract unit price and shall be considered full compensation for all materials (fittings, pipe, adaptors, clean-out cover, bedding/cover, etc.), excavation, compaction, disposal of waste and clean-up, along with all mobilization, labor, tools, equipment and incidentals necessary to complete the work.

**17. CONCRETE AND CONCRETE SURFACES**

Mix Design requirements (in addition to the Standard Specifications, Section 11A(e)) shall include:

- The water to cementitious material ratio shall not exceed 0.40 (W/Cm ≤ 0.40).
- The concrete mix shall utilize fly ash as a replacement for Portland cement (replacement ratio in pounds of 1:1) at 20% minimum replacement, and up to 30% if approved by the City Engineer.
- Use of a mid-range water reducing admixture is necessary to attain workability without exceeding the W/Cm limit.

Note: These requirements apply to all concrete used on the project, regardless of the type/use or method of placement.

Batch tickets will be required with every load delivered to the jobsite so that the Contractor/Foreman and Engineer can verify the W/Cm ratio. Tickets shall clearly indicate the W/Cm ratio, or indicate the individual weights (in pounds) of mix water, aggregate free moisture, cement, and fly ash such that the W/Cm ration can be quickly determined in the field. If possible, indicate the amount of water that can be added on-the-job on each batch ticket.

The concrete producer shall conduct frequent moisture testing of the aggregates at the plant/stockpile location. Immediately prior to each day's pour, determine the fine and coarse aggregate moisture content(s). During each pour (unless measured/monitored automatically by the plant), determine fine aggregate moisture content at half-hour intervals (one test every one-half hour) or every-other truck load, whichever interval is longer. Utilize moisture content test results to adjust the batch weights such that the targeted W/Cm ratio is maintained and not exceeded.

Ready-mix trucks if utilized shall accurately measure water (in gallons, pounds or other units if appropriate). Sight-glass type measurement is acceptable, however each truck to be used on the project shall be field calibrated prior to the first use/pour. Any and all water added (in-transit or on the job) shall be recorded on the batch ticket. **All wash water shall be removed from the truck/drum prior to loading.**

The Contractor is responsible for testing of concrete in accordance with Section 11 of the Standard Specifications (Section 3.8 of the WCPA Specification). Compressive strength test cylinders must include caps and shall be labeled as follows:

City of Marshfield Contract 2016-01 Cylinder No. \_\_\_\_\_  
 Plan No. \_\_\_\_\_ Project No. \_\_\_\_\_  
 Date Cast \_\_\_\_\_ Test Age: Opening 7-day 28-day  
 Type: Pavement Curb & Gutter Driveway Curb Ramp Sidewalk Other  
 Sample Location: \_\_\_\_\_  
 Field Test – Slump \_\_\_\_\_" Air \_\_\_\_\_% Temp \_\_\_\_\_°F By \_\_\_\_\_

All (non-colored) concrete surfaces shall be properly spray-cured, using a WisDOT approved batch of **TK Tri-Kote 26 White** (white pigment required) curing compound.

Comply with all other requirements for concrete pavement per Section 11 of the Standard Specifications and these Special Provisions.

### **18. ASPHALT PAVEMENT BY OTHERS**

Asphalt pavement for side roads, driveways, aprons, parking lots, etc., is not included under this contract but will be done by others (a private contractor under the City of Marshfield's 2016 Asphalt Pavement Contract). The Contractor shall coordinate with the City's asphalt contractor to accomplish asphalt paving/patching in a timely matter with a minimal number of mobilizations. Failure to coordinate this work or otherwise complete it in a timely manner will not be considered as grounds for warranting a contract time extension. All work by the Contractor in regards to this work shall be considered incidental to construction.

### **19. FINE GRADING (FOR ASPHALT)**

The Contractor shall be responsible for preparation of the aggregate base foundation for Asphaltic paving through fine grading and shaping operations. The aggregate base shall be shaped to plan grade, elevation, crown, transverse slope and cross-section using the stakes provided by the Engineer, in conjunction with the Contractor's auto grading/slope equipment as necessary. A combination of the proper application of water, scarifying or deep blading, and the use of adequate compaction equipment operated in conjunction with the shaping operation is essential to provide a smooth profile shaped to the proper crown/transverse slope. Multiple mobilizations for Fine Grading may be required to complete the paving process.

Fine Grading will be measured as a single lump sum. The estimated area of the proposed Asphaltic Pavement for this project is approximately **2,852 S.Y.**

Payment for all work associated with Fine Grading shall be made at the Contract Unit Prices per lump sum. Payment shall constitute full compensation for all materials (such as water, not including gravel), labor, equipment and incidentals necessary to complete the work.

Gravel (Base Aggregate Dense) shall be measured and paid for under the pertinent contract items. Maintenance and repair of the shaped/prepared aggregate base shall be the Contractor's responsibility and is incidental to the pertinent contract items for base aggregates.

### **20. RESTORATION OF TURF SURFACES (FINISHED TERRACES)**

Turf surfaces shall be restored in accordance with the plans, typical sections, the City's Standard Specifications and these Special Conditions. Topsoil processing, preparation and seed mixture shall comply with the following requirements:

Restore to a well groomed lawn condition using imported processed topsoil. Seed using City Seed Mix (2016) at 5 lbs. /1000 SF. Cultipack before and after seeding to develop a firm seed bed and insure good seed-soil contact. This work shall be paid for at the Contract Unit Price for Finished Terraces – City Seed Mix (2016), per square yard, based upon the plan quantities (without measurements).

## **21. FINISHED PLANTING AREAS**

Finished Planting Areas, may include landscaped areas, topped with bark, mulch, woodchips, etc. which shall be restored to match the characteristics of the existing planting areas to remain, including type of materials, thicknesses, size/color/shape/etc. of the surface. The surface shall be raked/shaped, tamped and consolidated. Topsoil meeting the requirements of Section 16 of the Standard Specifications shall be underlying the surface layer, with native clay subsoils underneath the topsoil. Provide and install 8-mil plastic sheeting if a similar barrier is present in the undisturbed planting areas. All work and materials shall be done to the complete satisfaction of the property owner and City Engineer.

Finished Planting Areas shall be measured and paid for per Square Yard in accordance with said Section 16.

## **22. PLANTING SOIL**

Furnish and place Planting Soil within Tree Pits, at Tree Grate areas and at other planting sites as shown on the plans.

Planting Soil shall comply with the following:

- ASTM D-5268 topsoil.
- Acceptable pH range of 5.0 to 7.5.
- Organic content of 8% minimum.
- Compost to topsoil ratio by volume 1:4.

Provide a detailed report of the soil analysis to the City Engineer one week prior to delivery of Planting Soil.

Process topsoil as required per Section 16.2.1 of the Standard Specifications.

Place the pre-mixed planting soil in layers of 6-inches loose and hand tamp lightly to consolidate and remove air pockets. Do not over compact.

Excavate as necessary per plan details. Excavation for Planting Soil shall be considered incidental to the Planting Soil. Where the underlying substrate below the proposed Planting Soil is rock aggregate (breaker-run stone or open graded base), separate this material from the Planting Soil with Geotextile Fabric, Type SAS, (measured and paid for per Square Yard).

Planting Soil shall be measured per Cubic Yard, In-Place.

Payment will be made at the Contract Unit Price and shall be considered full compensation for all excavation, processing, testing, placing, tamping, disposal of waste and clean-up along with all materials, labor, tools, equipment and incidentals necessary to complete the work.

## **23. HARDWOOD MULCH**

Planting sites which are to covered with Hardwood Mulch per plan details shall receive 3-inches (minimum thickness) over the entire planting area.

Hardwood Mulch shall be clean, chipped hardwood free of material injurious to plant growth. Wood chips shall be 1/8-inch nominal thickness with at least 50% having an area of not less than 1 square inch and no piece having an area of more than 6 square inches.

Pull mulch back 3 to 6 inches from tree trunks.

Ensure areas receiving Hardwood Mulch are free of living weeds and grasses prior to placement of mulch.

Hardwood Mulch shall be measured and paid for per Square Yard, without deduction for void areas at tree trunks.

Payment shall be made at the Contract Unit Price and shall constitute full compensation for all work and materials as described or implied herein.

## **24. EROSION CONTROLS**

To comply with storm water permits and/or protect waters or wetlands, the Contractor is required to install erosion controls (per the City's Standard specifications, Section 18) prior to the start of construction/excavation and as soon as possible at newly constructed areas. Install Inlet Protection, Type 'A', concurrent with (pavement) removals, as shown on the plans.

Plan details and specifications not only require timely installation, but also proper installation of approved materials. The Contractor is also responsible for maintenance of all erosion controls throughout the duration of the project.

Contractor shall install Inlet protection on all existing and proposed drainage structures within and adjacent to construction limits. Where existing structures are to remain (casting to remain, adjustment required) Inlet Protection shall be measured and paid for, per Each, as a single unit, for the existing structure and the adjusted structure (not paid separately).

The City Engineer reserves the right to deduct 50% or more of the contract unit prices for erosion controls due to the Contractor's use of deficient materials, improper installation, untimely installation and/or lack of maintenance of any or all erosion controls. The City Engineer also reserves the right to remedy (all of the above) utilizing City forces or others, with the cost of said remedy(s) either billed to the Contractor or deducted from final payment.

## **25. EXISTING PVC SANITARY SEWERS AND GROUNDWATER**

The Contractor is hereby informed that existing PVC sanitary sewers abutting/adjacent to proposed sanitary sewer projects were typically bedded/covered with clean stone and usually release groundwater when exposed. Existing PVC sanitary sewer trenches upstream of proposed projects therefore have the potential to convey sizeable volumes of trench water. The Contractor shall plan for handling of said water, prior to beginning excavation. This trench water can be pumped to the storm sewer if said water remains clean (free of sediment, dissolved solids, contamination, etc.).

## **26. LIGHT POLE BASES, ELECTRICAL CONDUIT AND WIRING**

As shown on the plans, the Contractor is required to provide and install reinforced concrete bases for light poles, conduits and wiring for a lighting system for this project. Installation of light poles, fixtures, etc. is the Contractor's responsibility; however the City has purchased these materials outside of this contract (as specified elsewhere within these Special Conditions).

Conduits shall be installed at specific locations/offsets as shown on the plans at specified offsets/depths. The City Engineer will provide stakes for conduit runs as needed. Conduits for lighting shall be installed at least 24-inches below finished ground, with a red caution tape installed 12-inches above the conduit. The electrician is hereby expected to coordinate and work closely with the grading contractor/foreman and City Engineer to assure proper installation of conduits. As shown on the plans conduits shall be 'bent' to achieve alignment changes however a union/coupling shall

not be located within a 'bent' segment (use full length/20-foot pieces for 'bent' conduits, 90° alignment change to have approximately 15-foot radius of curvature). Conduits shall be protected via installation of bedding (2-inches below), side wall (4-inches clear, each side) and cover (6-inches above) material similar to the Base Aggregate.

Materials, construction methods and installation shall comply with Section 22 of the (City of Marshfield) Standard Specifications.

Electrical wire materials shall comply with Section 655 of WisDOT's Standard specifications, including:

- (655.2.6) Electrical Wire for Lighting

*Concrete Bases*, shall be installed per plan details. Bases shall be measured per type, per Each installed. Contractor shall confirm the anchor bolt pattern. Anchor bolts for light pole bases will be provided by the City.

*Nonmetallic Conduit*, shall be Schedule 40 PVC, installed per plan details. A nylon pull string shall be placed inside each entire run of conduit. Nonmetallic Conduit shall be measured per Lineal Foot per size from/to the center of bases.

*Wire*, per type of use, shall be installed and measured per the pertinent subsections of Section 655 of the WisDOT Standard Specifications. Payment shall be made per type of wire/use, per size/AWG, per Lineal Foot, in accordance with the Unit Price Schedule and said payment shall be considered full compensation for all work including but not limited to pulling, connecting, splicing, testing, etc., and all materials such as wire, wire nuts, connections, lugs, fuses, fuse holders, splices, tape, sealant, etc. along with all mobilization, labor, tools and equipment necessary to complete the work.

## **27. INSTALL LIGHT POLES**

The Contractor is responsible for installation of lighting components which will be provided by the City (new materials purchased prior to bidding this project). Components to be provided by the Owner (and assembled/installed by the Contractor) include:

- Poles: US Architectural Lighting SNTS Series, 4" Square Tube, Black, 20' Pole Height, No. SNTS 204-11
- Light Fixture: US Architectural Lighting Aerolume Series – LED, VLED Type III Optics, 120 LED.

Poles and materials will be stored at the City Garage (407 West 2<sup>nd</sup> Street). The Contractor shall load and transport poles/materials from the City Garage to the jobsite.

Contact the City Engineer (715.486.2034) at least two weeks prior to the pick-up date. Contractor shall inspect the materials with the City prior to transfer of the materials, and shall 'sign-off' on transfer of these materials. The Contractor shall be responsible for any damage to or loss of materials, as determined by the City, after 'sign-off' and possession of said materials by the Contractor.

Installation shall comply with Section 657 of WisDOT's Standard Specifications, plan/detail drawings, the manufacturer's recommendations and these Special Conditions.

The Contractor shall provide and install wiring and connectors from the pole handhole to the fixture. This work (and materials) shall be incidental to the Install Light Pole item.

Install Light Poles shall be measured per Each light pole successfully assembled and installed, complete.

Payment for Install Light Poles shall be considered full compensation for all loading, hauling, storing, protecting, assembly, installation, miscellaneous materials, disposal of waste and clean-up, along with all mobilization, labor, tools, equipment and incidentals necessary to complete the work.

## **28. TRAFFIC CONTROL**

All work zone traffic control signing for construction shall be the Contractor's responsibility and shall be in accordance with Section 24 of the Standard Specifications and project plans.

Project locations to be closed for construction/reconstruction, as indicated in these Special Provisions (Article 1 – Project Scope) shall be signed as 'Road Closed'.

Traffic control devices shall be used to mark inaccessible sidewalk locations, including advance warnings.

On side streets, use advance warning signs with lane closures if appropriate, only when construction work impacts intersections, including curb ramps and landings.

Protect the public and prevent entry within construction limits using "Road Closed" signs on Type III barricades (one per lot/area) with drums spaced 10-feet apart (maximum).

Additional traffic control measures may be necessary to adequately protect the public and/or the work during select phases of construction.

Traffic controls shall be in place prior to the commencement of removals, including removals by others (poles, wire, etc.), and shall remain in place until final completion, including installations by others (asphalt pavement, pavement marking, signing, etc.).

## **29. DEMOLITION OF BUILDINGS**

The Contractor shall raze the buildings located at:

302 South Maple Avenue – Residential building and detached concrete block garage.

306 South Maple Avenue – concrete block garage.

The buildings to be razed at 302 South Maple Avenue are located very close to existing neighboring buildings to remain at 108-118 East 3<sup>rd</sup> Street. The Contractor shall exercise extreme care to avoid damaging these buildings to remain. Removal of the north foundation wall of the garage shall be minimized to avoid impacts to the existing neighboring building(s) and/or slabs to remain but as a minimum shall be removed to 18-inches below the proposed finished grade.

**Contractor shall obtain demolition permits as needed for the property from the City of Marshfield. There will be no charge for these permits.** Asbestos containing materials requiring removal prior to demolition will be removed by others. Roof materials are assumed to contain ACM and shall be properly disposed of by the Contractor. The City's asbestos abatement contractor will provide the proper DNR notification forms after this contract has been awarded and 10 days minimum prior to start of demolition.

Salvage the existing south garage door of 306 South Maple Avenue and set aside for pickup by the previous property owner. Salvaged components shall include the door panels, rollers, track, springs, etc.

Remove all remaining appliances, miscellaneous building contents, debris in the yards, construction rubble and materials from both structures and the premises.

The property at 302 South Maple Avenue has a water curb stop that has an operable valve and box. Properly disconnect the water service making sure the water is totally off. Cap the PVC sewer lateral pipe 5 feet beyond the right-of-way line behind the sidewalk. Remove the remaining sewer and water service lines from the disconnection point to the building (incidental to demolition).

Arrange for disconnection of telephone, cable TV, gas, water and electrical services to ensure that they have been properly disconnected at appropriate locations. **Contractor is responsible for all costs associated with disconnection of services, including street, alley or public sidewalk repairs resulting from disconnections (beyond excavation limits).**

Remove all basement foundations, footings, steps/stairways and garage slabs in their entirety. Driveways, approaches and sidewalks to be removed will be measured separately. Clean concrete rubble from the site may be hauled to the City materials yard on South Vine Avenue for future crushing with prior approval of the Street Division or the City Engineer. Concrete rubble contaminated with other building materials, dirt and/or debris will not be permitted at the City materials yard. In this case, the Contractor shall make other arrangements for proper disposal of the concrete rubble off site. All waste materials are to be disposed of in a properly licensed landfill location according to all DNR and other State and Federal agency rules and regulations.

**Prior to backfilling any excavations, the excavation shall be inspected by the City Engineer. Proceed with backfilling only after an inspection is completed.** Furnish, place and compact backfill material in excavated areas. Backfill material shall be clean suitable native fill material (placed below the proposed parking lot subgrade). Any open excavation not backfilled immediately after demolition shall be fenced/guarded until backfill can be placed.

The existing neighboring building, to remain, at 108-110 East 3<sup>rd</sup> Street has a flashing installed on the block building which helped accommodate drainage on the roof of the garage to be razed (302 South Maple Avenue). As part of the building demolition work, the Contractor shall carefully remove the flashing in its entirety (including the lip imbedded in the block wall joint) and repair the disturbed block wall joint. This work shall be done by an approved mason, using approved mortar (color to match existing building to remain). The existing neighboring building to remain at 112 East 3<sup>rd</sup> Street has a (disconnected) electrical conduit/wire attached to the block wall which formerly provided power to the garage to be razed (302 South Maple Avenue). As part of the building demolition work, the Contractor shall carefully remove the conduit and anchorage in its entirety and repair the block walls (seal anchor holes).

Demolition of existing structures shall be measured as a single unit of work, per Lump Sum, as listed on the unit price schedule, and shall be paid for at the contract unit price per Lump Sum. Said payment shall be considered full compensation for all demolition, removal, hauling, disposal, fill material, backfilling and compacting, along with all investigation, downtime, delay, preparation, etc., and all labor, tools, equipment and incidentals necessary to complete the work.

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# TRUCK ROUTE MAP

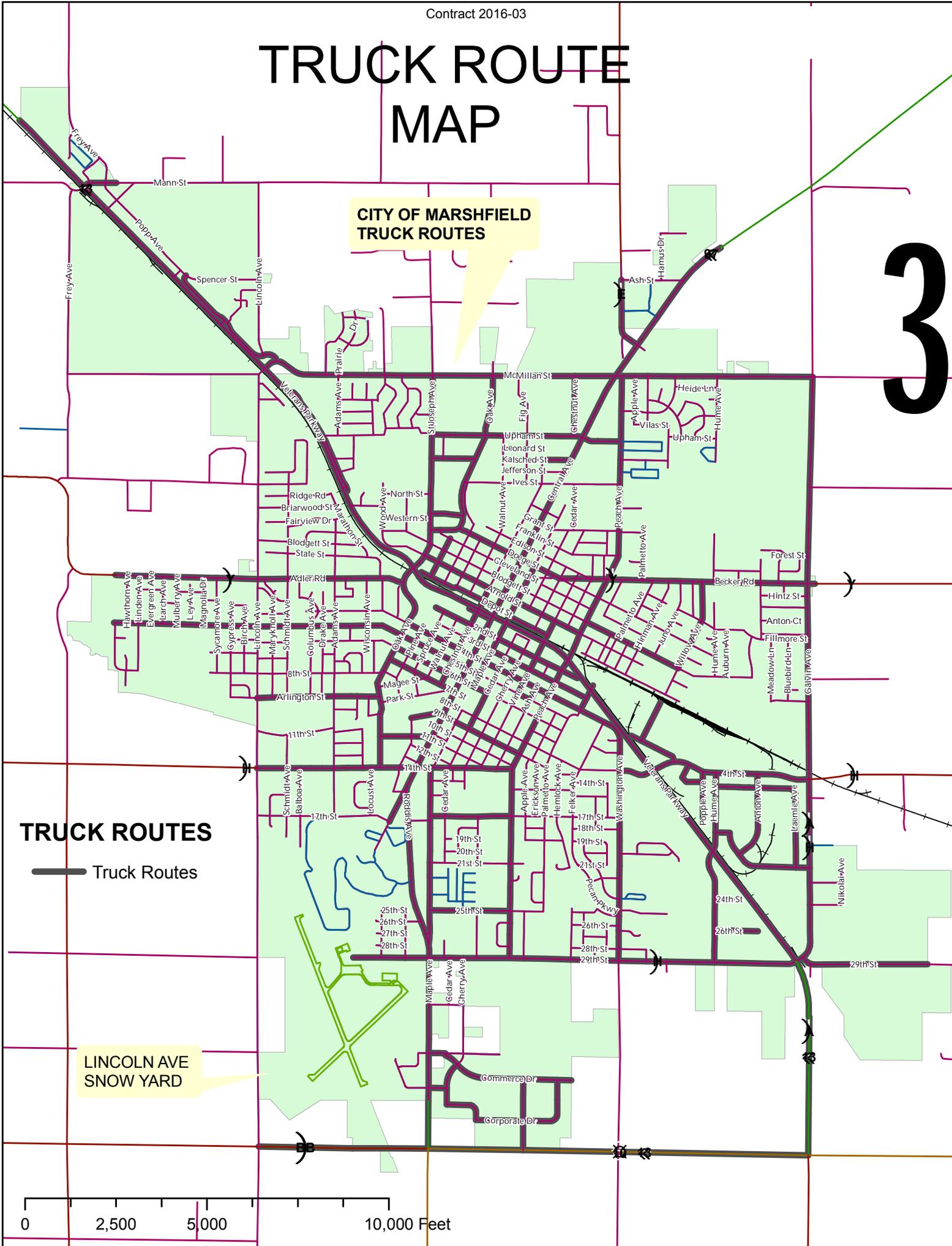
**CITY OF MARSHFIELD TRUCK ROUTES**

# 3

## TRUCK ROUTES

— Truck Routes

LINCOLN AVE SNOW YARD



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ATTACH

CERTIFICATE

OF

INSURANCE

ALL ENDORCEMENTS FOR ADDITIONAL INSURED SHALL BE INCLUDED

HERE

CERTIFICATE OF INSURANCE

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**CONTRACT 2016-03**

This agreement made this \_\_\_\_\_ day of \_\_\_\_\_, **2016** by and between \_\_\_\_\_ hereinafter called the '**CONTRACTOR**' and the City of Marshfield, Wisconsin, hereinafter called the '**OWNER**', WITNESSETH,  
That the Contractor and the Owner, for the consideration hereinafter stated, agree as follows:

**Article I, Scope of Work:**

The Contractor shall perform everything required to be performed and shall provide and furnish all labor, materials, tools, equipment and plant which may be required, either expendable or permanent, also all utility and transportation services, all in strict accordance with the Plans, Specifications, and Contract Documents prepared by the City Engineer, sometimes referred to as the Engineer, which Plans and Specifications are made a part of this Contract, and in strict compliance with the Proposal and other Contract Documents herein mentioned which are also a part of this Contract; and the other documents constituting a part hereof.

**Article II, The Contract Consideration of Prices:**

**PROPOSAL**

**Parking Lot Reconstruction – 4th Street & Maple Avenue (Omaha Lot), Plan No. 8089, Project No. 312071**

Item No.	Item Description	Total Estimated Quantity	Unit	Unit Price
2-1	CLEARING AND GRUBBING	42	ID	\$
3-1	REMOVE CURB & GUTTER	42	LF	\$
3-2	REMOVE CONCRETE DRIVEWAYS AND SIDEWALK	238	SY	\$
3-3	REMOVE ASPHALT SURFACE	1986	SY	\$
3-4	SAW CONCRETE PAVEMENT - FULL DEPTH	47	LF	\$
3-5	SAW CONCRETE DRIVEWAYS AND SIDEWALKS	112	LF	\$
4-1	EXCAVATION	1610	CY	\$
4-2	EXCAVATION BELOW SUBGRADE	160	CY	\$
4-3	BORROW	160	CY	\$
5-1	BASE AGGREGATE DENSE, 1-1/4 INCH	768	CY	\$
5-2	BREAKER RUN STONE	981	CY	\$
5-3	GEOTEXTILE FABRIC, TYPE SAS	3004	SY	\$
6-1	STORM SEWER 6" SICPPP PIPE UNDERDRAIN - WRAPPED TRENCH	457	LF	\$
6-2	CLEANOUT, RISER, AND LATERAL	1	LS	\$
8-1	CB COVER - TYPE H	2	EA	\$
8-2	CB COVER - TYPE H-S	1	EA	\$

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9-1	ADJUST CB	3	EA	\$
11-1	CONCRETE DRIVEWAYS - 8", REINFORCED	19	SY	\$
12-1	FINE GRADING	1	LS	\$
13-1	CONCRETE CURB & GUTTER - 30" TYPE A	42	LF	\$
13-2	CONCRETE CURB & GUTTER - 30" TYPE D	502	LF	\$
15-1	CONCRETE SIDEWALK - 8"	124	SF	\$
16-1	FINISHED TERRACES - CITY SEED MIX 2016	2	SY	\$
16-2	FINISHED PLANTING AREA	6	SY	\$
16-3	PLANTING SOIL	45	CY	\$
16-4	HARDWOOD MULCH	81	SY	\$
17-1	DRILLED TIE BARS	16	EA	\$
18-1	INLET PROTECTION TYPE A	1	EA	\$
18-2	INLET PROTECTION TYPE B	1	EA	\$
18-3	INLET PROTECTION TYPE C	4	EA	\$
18-4	DUST CONTROL	2	EA	\$
18-5	STREET SWEEPING	2	EA	\$
22-1	NONMETALLIC CONDUIT, 1"	112	LF	\$
22-2	ELECTRICAL WIRE, NO. 10	339	LF	\$
22-3	CONCRETE BASE, TYPE 5 MODIFIED C	2	EA	\$
22-4	INSTALL LIGHT POLE	4	EA	\$
24-1	TRAFFIC CONTROL	1	LS	\$
25-1	POLYSTYRENE INSULATION BOARD - 2" (AASHTO M230 / 40 PSI MIN)	644	SF	\$
25-4	DEMOLITION	1	LS	\$

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**Article III, Component Parts of This Contract:** This Contract consists of the following component parts, all of which are as fully a part of this Contract as if herein set forth verbatim and if not attached, as if hereto attached.

1. Advertisement of Bids
2. Instructions to Bidders
3. General Conditions
4. Specifications
5. Special Provisions
6. Plans
7. Wage Rate Schedule
8. Contractor's Proposal
9. This Instrument

In the event that any provision in any of the above component parts of this Contract conflicts with any provision in any other component part or parts, the Contractor shall in writing request a clarification of such conflict by the Engineer, and his clarification of such conflict, approved by the Owner's Board of Public Works, shall be final and binding upon the parties hereto.

**Article IV, Guarantee:** The Contractor agrees and guarantees that the equipment, materials, and workmanship supplied by him shall be free from all defects and strictly in accordance with the Plans and Specifications herein above referred to and accepted by the Owner; and for a period of twelve (12) months after completion of the Contract, in case of any cracks, settlement, leaks or other defects in work constructed by the Contractor, the Contractor agrees to promptly repair the same upon notification by the Owner, using materials meeting the requirements of the Specification, and in case the Contractor shall fail to make such repairs or cause the same to be made within thirty (30) days of the above mentioned notification, the Contractor agrees to pay upon demand the cost of thereof to the Owner after completion of such repairs, and the Contractor further agrees and guarantees to pay for all labor, material and equipment used in or about the construction covered by this Contract which may become a lien or claim against the Owner.

**Article V, Locus of Contract:** It is agreed that this Contract, regardless of where executed, shall be subject to and governed by the Law of the State of Wisconsin and shall for all purposes be deemed and regarded to be a Contract entered into the State of Wisconsin. All of which payments are to be made in accordance with the General Conditions and Specifications.

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In Witness Whereof, the parties have caused this instrument to be executed in three (3) original counterparts on the day and year herein before stated.

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Address

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
By:

\_\_\_\_\_  
Title

CITY OF MARSHFIELD ("OWNER")

\_\_\_\_\_  
Chris L. Meyer, Mayor

\_\_\_\_\_  
Deb M. Hall, City Clerk

Attest:

\_\_\_\_\_  
All of the Contract Documents have been examined as to form and are approved.

\_\_\_\_\_  
Harold Wolfgram, City Attorney

\_\_\_\_\_  
Provision is made to pay the liability that will accrue under this Contract.

\_\_\_\_\_  
Keith R. Strey, Finance Director

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**PERFORMANCE AND PAYMENT BOND**

KNOW ALL MEN BY THESE PRESENTS, that we, \_\_\_\_\_  
 \_\_\_\_\_ as Principal,  
 and \_\_\_\_\_ as Surety, are held  
 and firmly bound unto the City of Marshfield, Wisconsin hereinafter called the Owner, in the penal sum of  
 \_\_\_\_\_ Dollars, lawful money of the United  
 States, for the payment of which sum well and truly made, we bind ourselves, our heirs, executors,  
 administrators, successors and assigns, jointly and severally, firmly by these presents.

The condition of this obligation is that whereas the Principal has executed and attached a  
 contract dated \_\_\_\_\_, 20 \_\_\_\_\_, for the construction of  
 \_\_\_\_\_;  
 \_\_\_\_\_;

Now therefore, if said attached contract is executed on behalf of the Owner, the Principal shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the proposal, contract and other contract documents as accepted and any and all duly authorized extensions or modifications of said contract documents that may hereafter be made, shall pay to each and every person or party entitled thereto all the claims for work or labor performed or material furnished, including premiums for Worker's Compensation Insurance, for or in or about or under such contract as provided in Section 102 and 779 of the Wisconsin Statutes, and any such authorized extension or modification thereof, then this obligation is to be void; otherwise to remain in full force and effect.

And the said Surety, for value received, hereby stipulates and agrees that no change, alteration or addition to the terms of the contract or the work to be performed thereunder or the contract documents accompanying the same shall in any way effect its obligations under this bond, and it does hereby waive notice of any such change, alteration or addition to the terms of the contract, to the work or to the contract documents.

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In witness whereof, the above bounden parties have executed this instrument in three original counterparts under their several seals this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_. The name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representatives, pursuant to authority of its governing body.

In the presence of:

\_\_\_\_\_  
Individual Principal \_\_\_\_\_SEAL

Address \_\_\_\_\_ Business Address \_\_\_\_\_

\_\_\_\_\_  
Individual Principal \_\_\_\_\_

\_\_\_\_\_  
Business Address \_\_\_\_\_

Attest: \_\_\_\_\_  
Corporate Principal \_\_\_\_\_

Business Address \_\_\_\_\_

\_\_\_\_\_  
BY: \_\_\_\_\_  
(Type) CORPORATE SEAL

Attest: \_\_\_\_\_  
Corporate Surety \_\_\_\_\_

Business Address \_\_\_\_\_

\_\_\_\_\_  
BY: \_\_\_\_\_  
(Type) CORPORATE SEAL

Approved this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_

\_\_\_\_\_  
Deb M. Hall, City Clerk

\_\_\_\_\_  
Chris L. Meyer, Mayor

\_\_\_\_\_  
Keith Strey, Finance Director

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**CITY OF MARSHFIELD, WISCONSIN  
PROPOSAL FOR CONTRACT 2016-03  
Contract 2016-03**

**Parking Lot Reconstruction – 4th Street & Maple Avenue (Omaha Lot), Plan No. 8089,  
Project No. 312071**

**Bids Received until 4:00 PM and Opened at 4:05 PM DATE: August 15, 2016**

Proposal submitted by the undersigned Bidder to the City of Marshfield, Wisconsin, in accordance with the Notice to Bidders, to furnish and deliver all materials, and to do and perform all work for the above named project, in accordance with the applicable Specifications, Plans, and Special Provisions for the work.

The undersigned Bidder, if awarded the Contract, agrees to begin work not later than ten (10) days after the date of written notification from the City Engineer to do so, and to complete the same in accordance with the Specifications and Special Provisions.

The undersigned Bidder, submitting this Proposal, hereby declares and agrees to be bound, and to perform the work in accordance with all the terms, conditions, and requirements of the within and foregoing Proposal, the Contract, the Specifications, the Special Provisions and the Plans.

The Bidder declares that he has carefully examined the project site(s), the Proposal, Plans, Specifications, and Contract form for the work contemplated, and it is assured that the bidder has investigated and is satisfied as to the conditions to be encountered as to the character, quality, and quantities of work to be performed and materials to be furnished, and as to the requirements of the Specifications, Plans, Special Provisions, and Contract. It is mutually agreed that submission of a Proposal shall be considered conclusive evidence that the Bidder has made such examination.

The Bidder declares that he understands the estimate of quantities in the attached schedule is approximate only and that the attached quantities may be greater or less in accordance with the Specifications.

The Bidder agrees to perform the said work, for and in consideration of the payment of the amount becoming due on account of work performed, according to the unit prices bid in the following schedule, and to accept such amount in full payment for such work.

The Bidder declares that only the persons, firm, or corporation herein named have an interest in this Proposal and that the same is submitted without collusion with any person, firm, or corporation.

The Bidder declares that if he is awarded the Contract, he will execute the Contract agreement and begin and complete the work within the time named herein and he will file a contract bond in the sum of the total amount of the Contract to guarantee the successful execution of the work and will comply with the requirements of Chapter 102 of the Wisconsin Statutes dealing with Worker's Compensation.

The Bidder declares that if he is awarded the Contract, he will comply with the requirements relative to the maximum daily and weekly hours of labor and the Minimum Wage Rates set for various occupations or classifications of labor.

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**PROPOSAL**

**Parking Lot Reconstruction – 4th Street & Maple Avenue (Omaha Lot), Plan No. 8089,  
Project No. 312071**

Item No.	Item Description	Total Estimated Quantities	Unit	Unit Price	Total Amount
2-1	CLEARING AND GRUBBING	42	ID	\$	\$
3-1	REMOVE CURB & GUTTER	42	LF	\$	\$
3-2	REMOVE CONCRETE DRIVEWAYS AND SIDEWALK	238	SY	\$	\$
3-3	REMOVE ASPHALT SURFACE	1986	SY	\$	\$
3-4	SAW CONCRETE PAVEMENT - FULL DEPTH	47	LF	\$	\$
3-5	SAW CONCRETE DRIVEWAYS AND SIDEWALKS	112	LF	\$	\$
4-1	EXCAVATION	1610	CY	\$	\$
4-2	EXCAVATION BELOW SUBGRADE	160	CY	\$	\$
4-3	BORROW	160	CY	\$	\$
5-1	BASE AGGREGATE DENSE, 1-1/4 INCH	768	CY	\$	\$
5-2	BREAKER RUN STONE	981	CY	\$	\$
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6-1	STORM SEWER 6" SICPPP PIPE UNDERDRAIN - WRAPPED TRENCH	457	LF	\$	\$
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8-1	CB COVER - TYPE H	2	EA	\$	\$
8-2	CB COVER - TYPE H-S	1	EA	\$	\$
9-1	ADJUST CB	3	EA	\$	\$
11-1	CONCRETE DRIVEWAYS - 8", REINFORCED	19	SY	\$	\$
12-1	FINE GRADING	1	LS	\$	\$
13-1	CONCRETE CURB & GUTTER - 30" TYPE A	42	LF	\$	\$
13-2	CONCRETE CURB & GUTTER - 30" TYPE D	502	LF	\$	\$
15-1	CONCRETE SIDEWALK - 8"	124	SF	\$	\$

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16-1	FINISHED TERRACES - CITY SEED MIX 2016	2	SY	\$	_____	\$	_____
16-2	FINISHED PLANTING AREA	6	SY	\$	_____	\$	_____
16-3	PLANTING SOIL	45	CY	\$	_____	\$	_____
16-4	HARDWOOD MULCH	81	SY	\$	_____	\$	_____
17-1	DRILLED TIE BARS	16	EA	\$	_____	\$	_____
18-1	INLET PROTECTION TYPE A	1	EA	\$	_____	\$	_____
18-2	INLET PROTECTION TYPE B	1	EA	\$	_____	\$	_____
18-3	INLET PROTECTION TYPE C	4	EA	\$	_____	\$	_____
18-4	DUST CONTROL	2	EA	\$	_____	\$	_____
18-5	STREET SWEEPING	2	EA	\$	_____	\$	_____
22-1	NONMETALLIC CONDUIT, 1"	112	LF	\$	_____	\$	_____
22-2	ELECTRICAL WIRE, NO. 10	339	LF	\$	_____	\$	_____
22-3	CONCRETE BASE, TYPE 5 MODIFIED C	2	EA	\$	_____	\$	_____
22-4	INSTALL LIGHT POLE	4	EA	\$	_____	\$	_____
24-1	TRAFFIC CONTROL	1	LS	\$	_____	\$	_____
25-1	POLYSTYRENE INSULATION BOARD - 2" (AASHTO M230 / 40 PSI MIN)	644	SF	\$	_____	\$	_____
25-4	DEMOLITION	1	LS	\$	_____	\$	_____
				<b>TOTAL BID \$</b>			

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**TOTAL OF PROPOSAL \$**

**CONTRACTOR**

**DATE:** \_\_\_\_\_

**WE \_\_\_\_\_ (Name of Bidder) have examined the Bidding Documents and the following Addenda (receipt of which is hereby acknowledged)**

**ADDENDUM NO.**

**DATE**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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I hereby certify that all the statements herein are made on behalf of

\_\_\_\_\_

(Name of Corporation, Partnership, or Person Submitting Bid)

a Corporation organized and existing under the laws of the State of \_\_\_\_\_;

a Partnership consisting of \_\_\_\_\_;

an Individual trading as \_\_\_\_\_;

of the City of \_\_\_\_\_ State of \_\_\_\_\_;

that I have examined and carefully prepared this Proposal from the Plans and Specifications and have checked the same in detail before submitting this Proposal; that I have full authority to make such statements and submit this Proposal in its (their) behalf; and that the statements are true and correct.

\_\_\_\_\_  
Signature

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 2016

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

My Commission Expires: \_\_\_\_\_

Bidders should not add any conditions or qualifying statements to this Proposal, as otherwise the Proposal may be declared irregular as not being responsive to the advertisement.

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**ATTACH**

**PROPOSAL**

**GUARANTEE**

**HERE**

PROPOSAL GUARANTEE

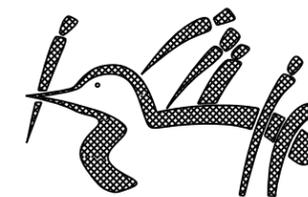
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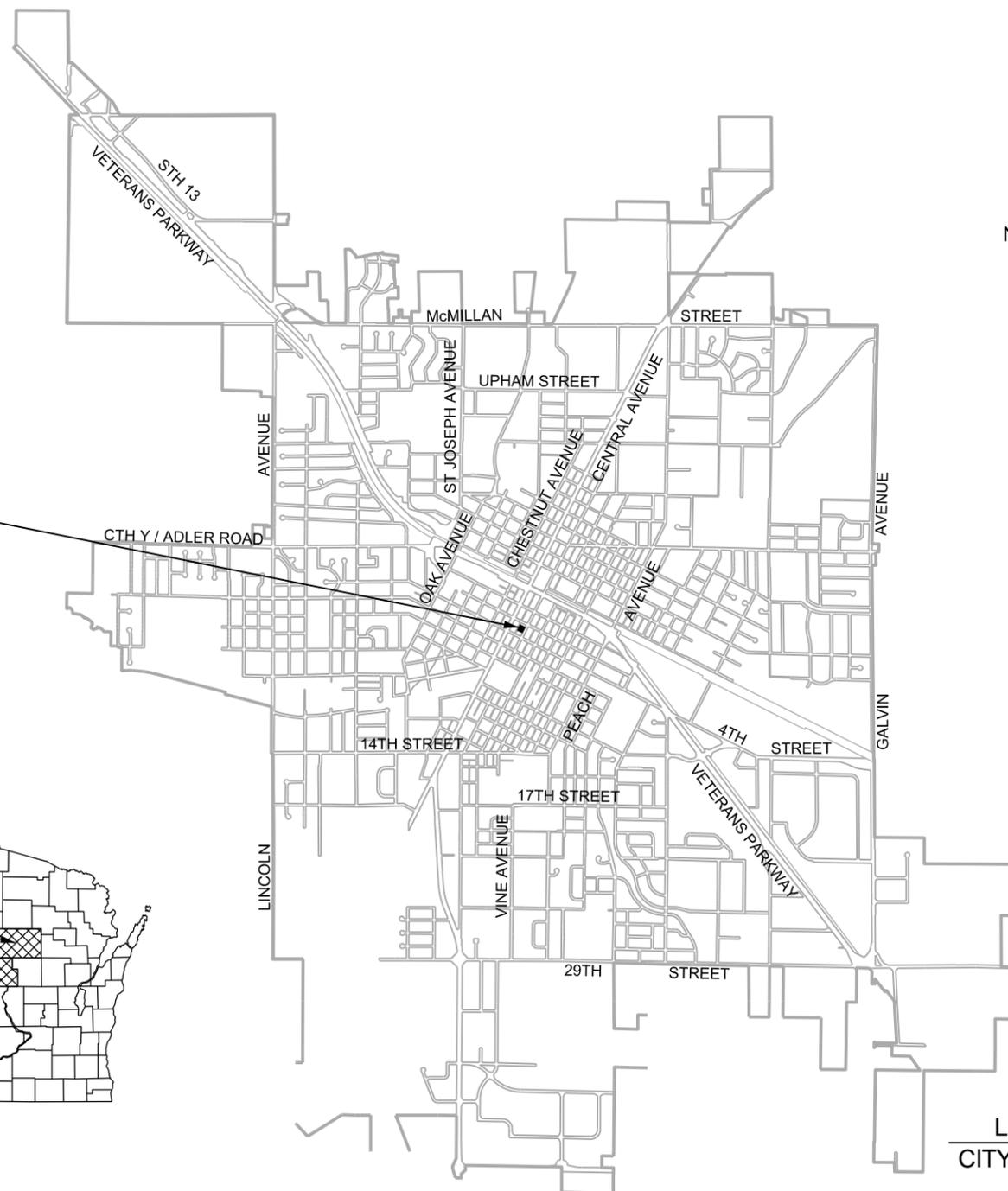
# CITY OF MARSHFIELD CONTRACT 2016-03



NOT TO SCALE

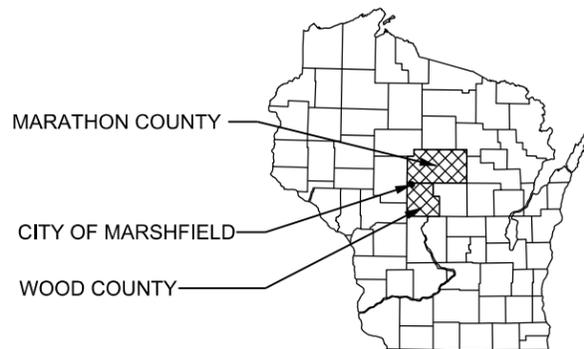
PLAN NO. 8089  
PROJECT NO. 312071

PARKING LOT RECONSTRUCTION  
OMAHA LOT (MAPLE AVENUE NORTH OF 4TH STREET)



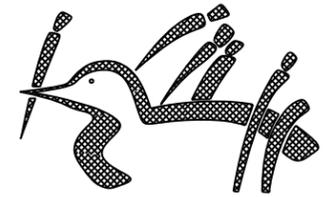
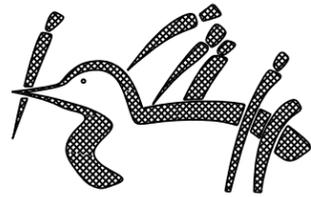
### INDEX OF SHEETS

SHEET NO. 1	TITLE SHEET
SHEET NO. 2	LEGEND AND GENERAL NOTES
SHEET NO. 3	TYPICAL SECTIONS
SHEET NO. 4 - 14	CONSTRUCTION DETAILS
SHEET NO. 15	PARKING LOT PLAN
SHEET NO. 16 - 23	PARKING LOT CROSS-SECTIONS



LOCATION MAP  
CITY OF MARSHFIELD

PLOTTED ON: 7/29/2016 7:48:17 AM



**LEGEND**

	EXIST. CONC. SIDEWALK OR DRIVE
	REMOVE AND REPLACE SIDEWALK
	PROPOSED SIDEWALK CONSTRUCTION
	FUTURE SIDEWALK CONSTRUCTION
	EXISTING CB OR INLET
	NEW CB OR INLET
	EXISTING CURB & GUTTER
	NEW CURB & GUTTER
	CONC. SDWK, DRWY, PAVT. REMOVAL
	CONSTRUCT OR REPLACE ASPHALTIC SURFACE
	CONSTRUCT OR REPLACE GRAVEL SURFACE
	CONST. CONC. DRIVEWAY
	BENCHMARK
	GAS VALVE
	WATER VALVE
	CURB STOP
	POWER POLE
	TELEPHONE POLE
	LIGHT POLE
	HYDRANT
	POLE GUY LINE
	NEW YARD INLET
	EXISTING M.H.
	BULKHEAD
	NEW M.H.
	TREE
	REMOVE TREE
	BUSH
	JOINT SPACING AT INTERSECTION
	EXISTING SAN SEWER
	PROPOSED SAN SEWER
	TEL. PEDESTAL
	UNDERGROUND TEL. CABLE
	EXISTING STORM SEWER
	PROPOSED STORM SEWER
	PROPOSED UNDERDRAIN
	EXISTING WATER MAIN
	PROPOSED WATER MAIN
	EXISTING GAS MAIN
	UNDERGROUND ELECTRIC CABLE
	UNDERGROUND CABLE TV
	COMBUSTIBLE FLUIDS (UNDER PRESSURE)
	DOWEL BASKETS
	STORM SEWER LABELS
	SANITARY SEWER LABELS
	WATER MAIN LABELS
	REMOVAL LABELS
	EROSION CONTROL INLET PROTECTION
	EROSION CONTROL DITCH CHECK
	EROSION CONTROL CULVERT PIPE DITCH CHECK

**OFFICE CONTACTS**

DAN KNOECK, P.E. - DIRECTOR OF PUBLIC WORKS  
 TOM TURCHI, P.E. - CITY ENGINEER  
 TIM CASSIDY, P.E. - ASSISTANT CITY ENGINEER  
 JOSH MAURITZ, P.E. - CIVIL ENGINEER II  
 NATE ULNESS, E.I.T. - CIVIL ENGINEER I  
 LANCE OLDHAM - ENGINEERING TECHNICIAN  
 SHAWN MILLER - ENGINEERING TECHNICIAN

CITY OF MARSHFIELD  
 630 S. CENTRAL AVE.  
 P. O. BOX 727  
 MARSHFIELD, WI 54449-0727  
 (715) 486-2034  
 FAX (715) 384-7631

**GENERAL NOTES**

ALL NEW DRIVEWAY ENTRANCES ARE TO BE CONSTRUCTED OF CONCRETE BETWEEN THE CURB AND SIDEWALK.

ALL INTERSECTION RADII ARE 20' TO FACE OF CURB UNLESS OTHERWISE NOTED.

ALL PROPERTY MARKERS AND BLOCK CORNERS SHALL BE PRESERVED.

THE EXACT LOCATION OF THE DRIVEWAY ENTRANCES TO BE DETERMINED IN THE FIELD BY THE ENGINEER. REPLACE ALL DRIVEWAYS IN KIND.

ALL CULVERTS IN EXISTING DRIVEWAYS SHALL BE CAREFULLY REMOVED TO AVOID DAMAGE AND SHALL BE PLACED ON THE TERRACE OF THE OWNER FOR DISPOSAL BY THE OWNER. IF, AFTER 10 DAYS NOTICE BY THE ENGINEER, THE OWNER DOES NOT CLAIM SUCH SALVAGED MATERIALS, THEY SHALL BE DISPOSED OF BY THE CONTRACTOR

TRANSVERSE JOINTS SHOWN ON THE PLANS MAY BE REVISED WITH APPROVAL BY THE ENGINEER.

LOCATION OF CURB RAMPS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

NO TREES ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

EBS IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS, BUT IS MEASURED AND PAID FOR AS UNCLASSIFIED EXCAVATION. THE LOCATION FOR EBS WILL BE DETERMINED BY THE ENGINEER.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

**ABBREVIATIONS**

AH	AHEAD
ASPH	ASPHALTIC
BK	BACK
BM	BENCHMARK
C&G	CURB & GUTTER
CB	CATCH BASIN
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CP	CULVERT PIPE
CPDC	CULVERT PIPE DITCH CHECK
CSCP	CORRUGATED STEEL CULVERT PIPE
CY	CUBIC YARD
D	DEGREE OF CURVE / DEPTH
Δ	CENTRAL ANGLE OR DELTA
DIA	DIAMETER
DISCH	DISCHARGE
E	EAST
EBS	EXCAVATION BELOW SUBGRADE
ELEV	ELEVATION
EXIST	EXISTING
GV	GAS VALVE
HYD	HYDRANT
LF	LINEAL FOOT
MH	MANHOLE
N	NORTH
NO	NUMBER
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASEMENT
PT	POINT OF TANGENCY
PU	PIPE UNDERDRAIN
PUU	PIPE UNDERDRAIN, UNPERFORATED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
R	RADIUS / RANGE
R/W	RIGHT OF WAY
RCCP	REINFORCED CONCRETE CULVERT PIPE
RCCPP	REINFORCED CONCRETE CULVERT PIPE - PERFORATED
RCHPEP	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE
RCP	REINFORCED CONCRETE PIPE
RCPSS	REINFORCED CONCRETE PIPE STORM SEWER
REQD	REQUIRED
RL	REFERENCE LINE
RR	RAILROAD
RT	RIGHT
S	SOUTH
SAN	SANITARY SEWER
SDG	SPECIAL DITCH GRADE
SF	SQUARE FOOT
SICPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE
SICPPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE - PERFORATED
SPECS	SPECIFICATIONS
SS	STORM SEWER
STA	STATION
STH	STATE TRUNK HIGHWAY
SWG	SPECIAL WALK GRADE
SY	SQUARE YARD
T	TOWN
TAN	TANGENT
TC	TOP OF CURB
TEL	TELEPHONE
TSE	TOP OF STRUCTURE ELEVATION
ULO	UTILITY LINE OPENING
VC	VERTICAL CURVE
VF	VERTICAL FOOT
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
W	WEST
WV	WATER VALVE

**UTILITIES**

CITY OF MARSHFIELD - STREET DIVISION  
 407 W 2ND ST  
 MARSHFIELD WI 54449  
 ATTN: MIKE WINCH  
 (715) 384-3606

CITY OF MARSHFIELD - WASTEWATER UTILITY  
 3411 S GALVIN AVE  
 MARSHFIELD WI 54449  
 ATTN: SAM WARP  
 (715) 591-2022

MARSHFIELD UTILITIES  
 2000 S RODDIS AVE  
 PO BOX 670  
 MARSHFIELD WI 54449-0670  
 ATTN: DAVID WASSERBURGER (WATER)  
 ATTN: NICHOLAS KUMM (ELECTRIC)  
 (715) 387-1195  
 CONSTRUCTION CONTACTS  
 (WATER) JOHN RICHMOND  
 CELL: (715) 937-8302  
 (ELECTRIC) DERREK CAFLISCH  
 CELL: (715) 507-0077

CHARTER COMMUNICATIONS  
 508 N CENTRAL AVE #103  
 MARSHFIELD WI 54449  
 ATTN: JESSE GRUNY  
 (715) 748-5071-OFFICE  
 (715) 651-5605-CELL

FRONTIER COMMUNICATIONS  
 521 4TH ST  
 WAUSAU WI 54403-4869  
 ATTN: BRADLEY KSIONEK  
 (715) 847-1550

WE ENERGIES  
 1921 8TH ST SOUTH  
 PO BOX 789  
 WISCONSIN RAPIDS WI 54494-0789  
 ATTN: CRAIG R. KNAUF, P.E.  
 (715) 421-7267-OFFICE  
 (715) 213-1954-CELL  
 (800) 261-5325 - GAS LEAK / EMERGENCY

**AGENCIES**

EMERGENCY - FIRE, RESCUE, AMBULANCE, POLICE  
 DIAL 911

MARSHFIELD FIRE DEPARTMENT  
 412 E 4TH ST  
 MARSHFIELD WI 54449  
 (715) 384-3118 NON-EMERGENCY

MARSHFIELD POLICE DEPARTMENT  
 110 W 1ST ST  
 MARSHFIELD WI 54449  
 (715) 384-3113 NON-EMERGENCY

ADVANCED DISPOSAL SERVICES  
 501 S HUME AVE  
 MARSHFIELD WI 54449  
 (715) 387-6275

UNITED STATES POST OFFICE  
 202 S CHESTNUT AVE  
 MARSHFIELD WI 54449  
 (715) 384-2198

WOOD COUNTY - HIGHWAY DEPARTMENT  
 555 17TH AVE N  
 WISCONSIN RAPIDS WI 54495  
 (715) 421-8875

WOOD COUNTY - SHERIFF'S DEPARTMENT  
 630 S CENTRAL AVE  
 MARSHFIELD WI 54449  
 (715) 384-5345 NON-EMERGENCY

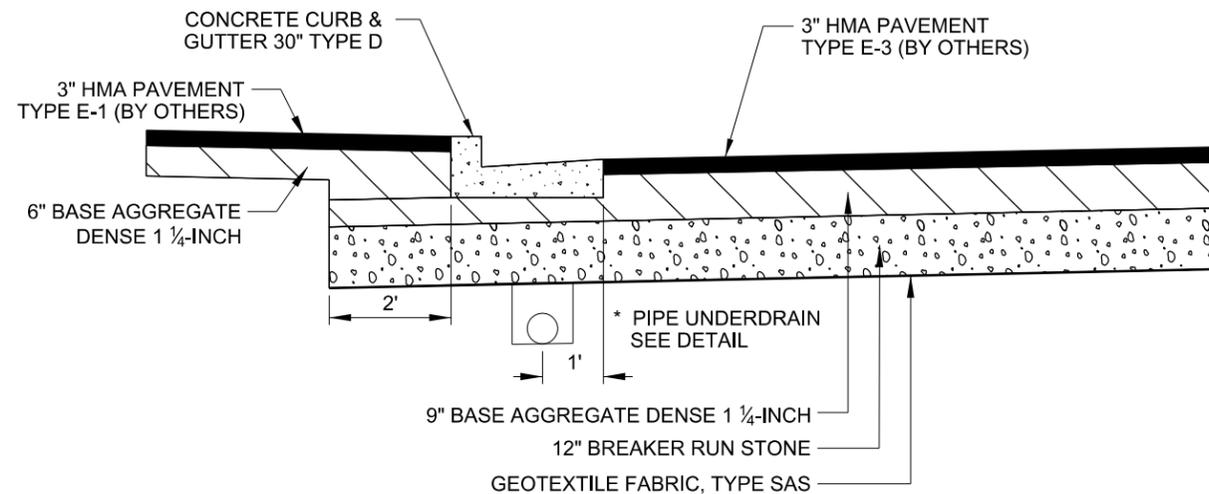
WASTE MANAGEMENT  
 (888) 960-0008

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

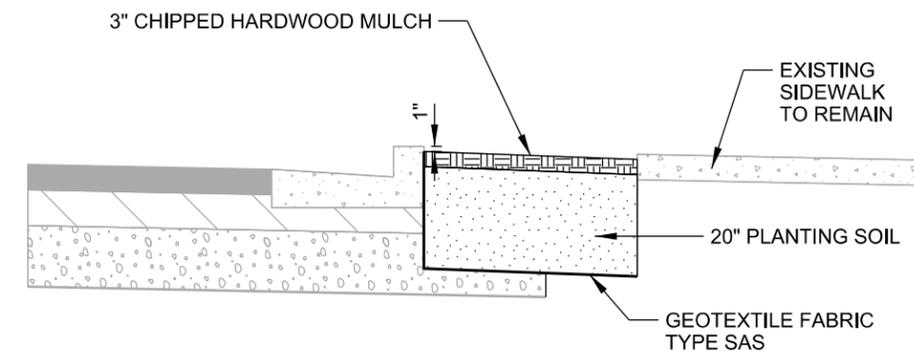


Toll Free (800) 242-8511  
 Milwaukee Area (414) 259-1181  
 Hearing Impaired TDD (800) 542-2289  
 www.DiggersHotline.com

WISCONSIN STATUTE 182.0175 (1974)  
 REQUIRES MINIMUM OF 3 WORK DAYS  
 NOTICE BEFORE YOU EXCAVATE.



**TYPICAL SECTION**  
PARKING LOT



**TYPICAL SECTION**  
FINISHED PLANTING AREAS

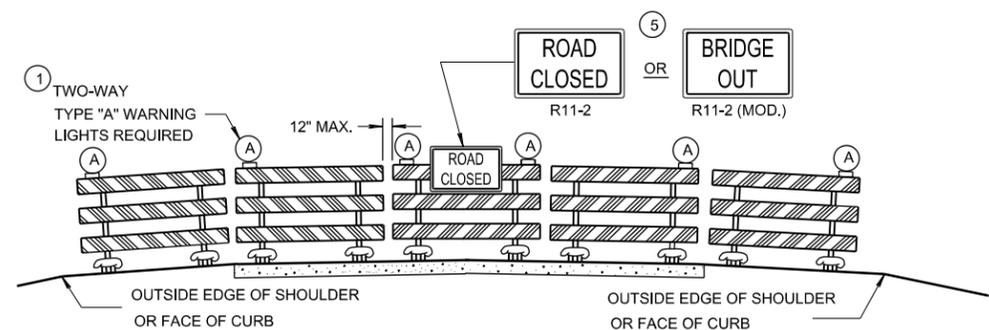
EARTHWORK COMPUTATIONS SUMMARY				
Location	Cut (CY)	Fill (CY)	Excavation Total (CY)	Mass Haul (CY)
Parking Lot	1952	0	1952	1952
<b>SUBTOTALS:</b>	<b>1952</b>	<b>0</b>	<b>1952</b>	<b>1952</b>
Deductions:				
Concrete Sidewalk and Driveway Removal	-17			
Asphalt Surface Removal	-165			
Garage Slab Removal (2)	-46			
House Removal	-114			
<b>TOTALS:</b>	<b>1610</b>	<b>0</b>	<b>1610</b>	<b>1610</b>

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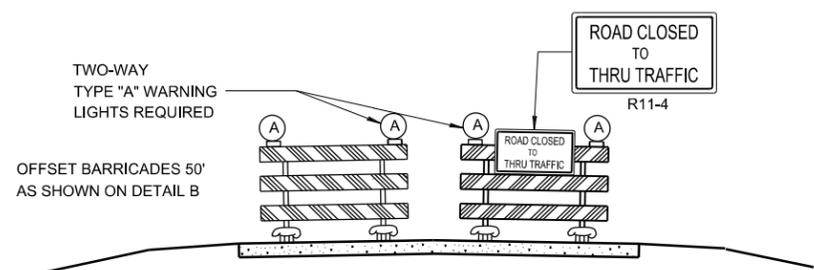
PROJ. NO.

DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION  
CITY OF MARSHFIELD, WISCONSIN

TYPICAL  
SECTIONS



DETAIL D  
ROAD CLOSURE BARRICADE DETAIL  
APPROACH VIEW



DETAIL E  
LANE CLOSURE BARRICADE DETAIL  
APPROACH VIEW

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

DETOUR M4-8  
 EAST M3-X

M1-4 OR COUNTY XX OR M1-5A OR M1-6

M05-1 OR M06-1

FLAGS, 16" X 16" MIN., (ORANGE)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

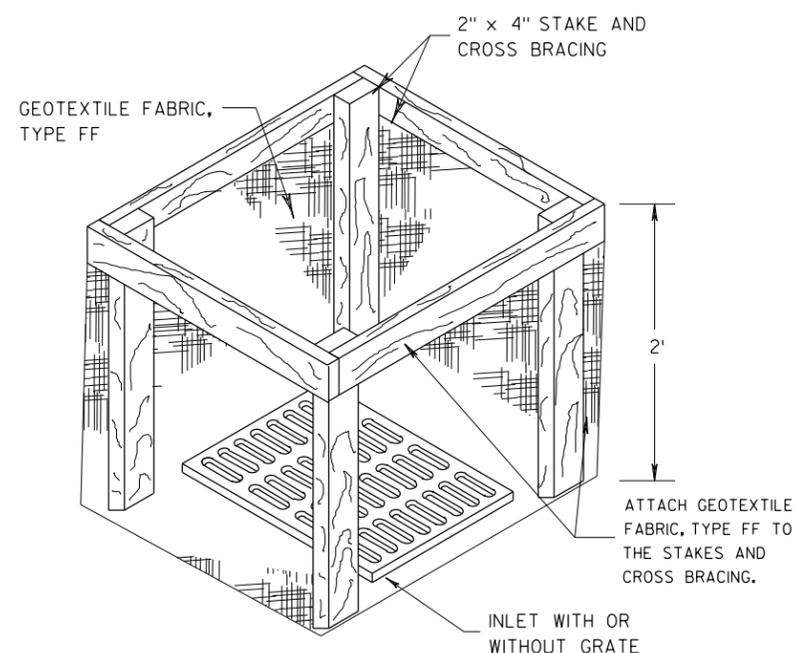
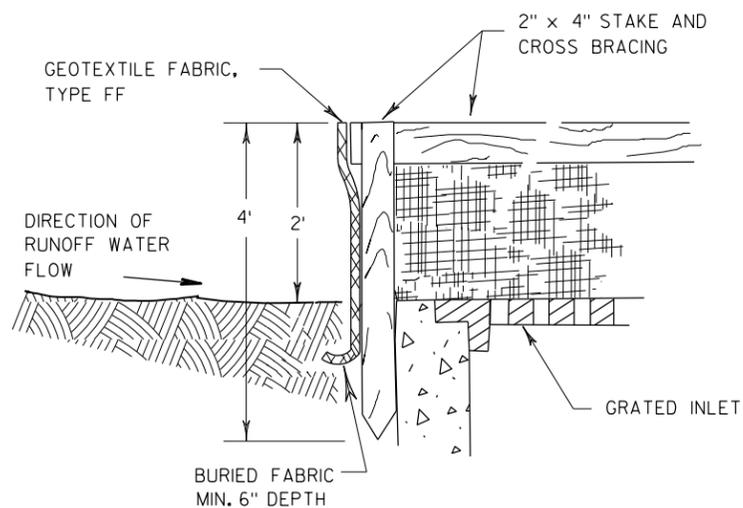
- ① TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).
- ② THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- ③ FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- ④ FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- ⑤ FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- ⑥ INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- ⑦ "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

PLOTTED ON: 7/29/2016 7:48:21 AM

PROJ. NO.

DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION  
CITY OF MARSHFIELD, WISCONSIN

BARRICADES AND SIGNS  
FOR  
MAINLINE CLOSURES DETAIL  
(WISDOT SDD 15C 2-6B)



**INLET PROTECTION, TYPE A**

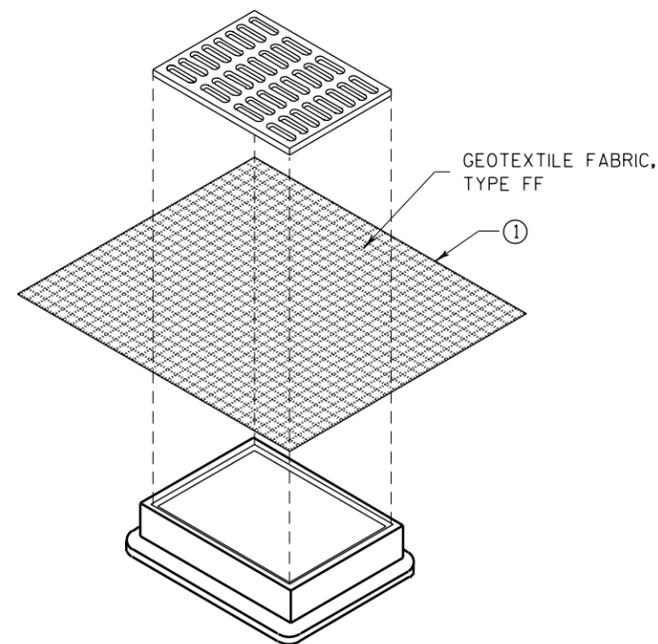
**GENERAL NOTES**

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

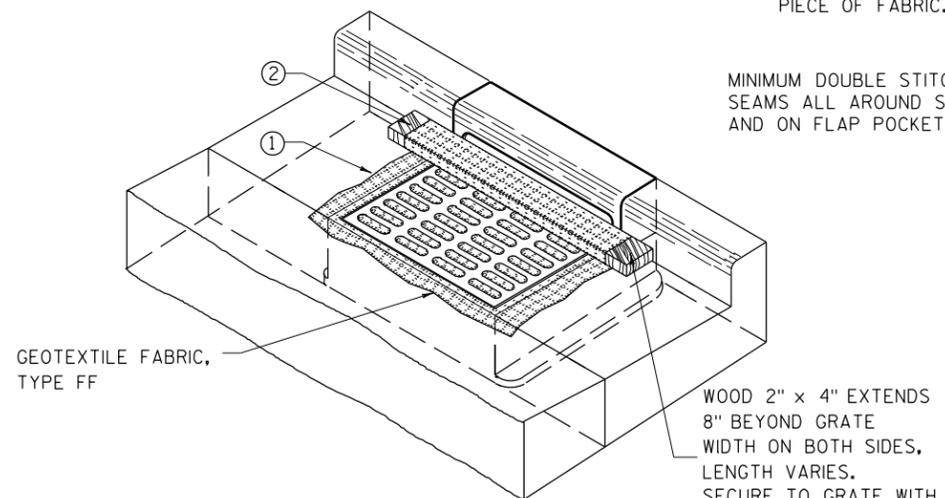
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- ① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- ② 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.
- ③ 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.

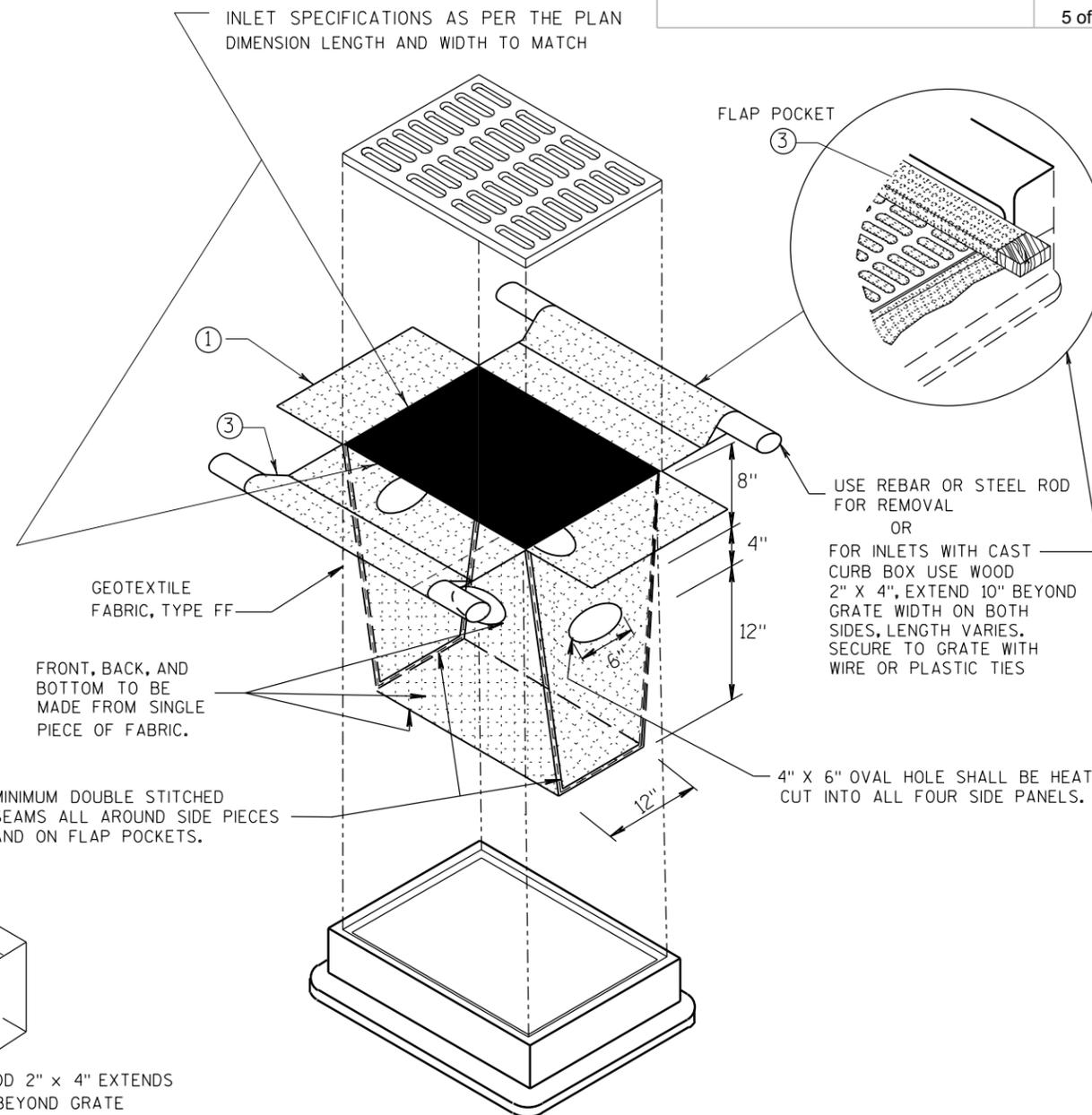
THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

**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 CINCH 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 TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE ②)

PROJ. NO.

DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION  
CITY OF MARSHFIELD, WISCONSIN

INLET PROTECTION DETAIL  
TYPE A, B, C, AND D  
(WISDOT SDD 8E 10-2)

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**STRUCTURE SPECIFICATIONS:**

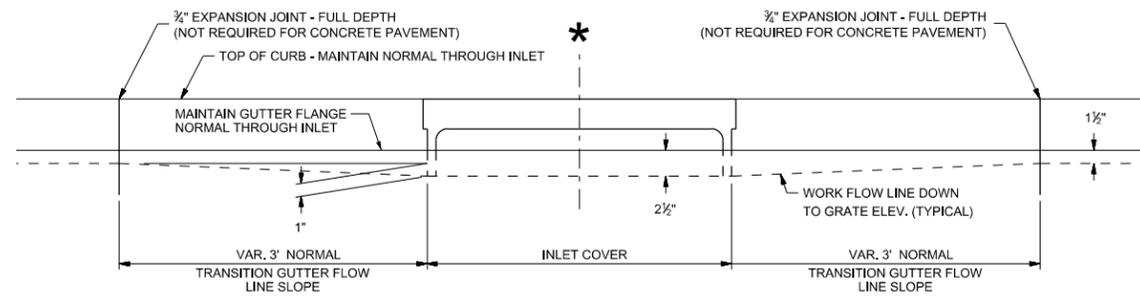
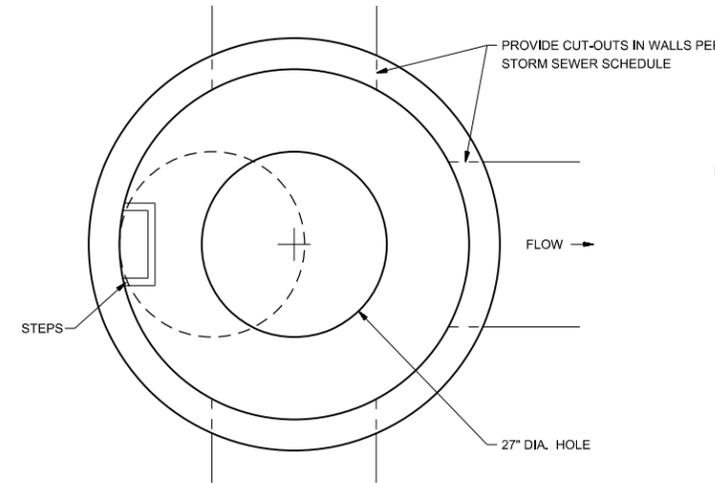
- MANUFACTURED TO ASTM C-478 AND AASHTO M199 SPECIFICATIONS
- CONCRETE STRENGTH - 4000 PSI
- STEEL DESIGN IN ACCORDANCE WITH ASTM C-478 0.12 SQ. IN./FT.
- ALL REINFORCING IS DESIGNED FOR MIN. 2" COVER
- MONOLITHIC BASE WITH INLET AND OUTLET OPENING AS REQUIRED

NOTES: STEPS REQUIRED IN MANHOLES IF DEPTH EXCEEDS 4.0 V.F.

MANHOLES WITH STEPS REQUIRE ECCENTRIC 27" DIA. HOLE FOR ACCESS TO STEPS. ECCENTRIC CONE SECTIONS MAY BE USED INSTEAD OF FLAT COVER W/ECCENTRIC ACCESS HOLE IF STRUCTURE DEPTH EXCEEDS 9.0 V.F.

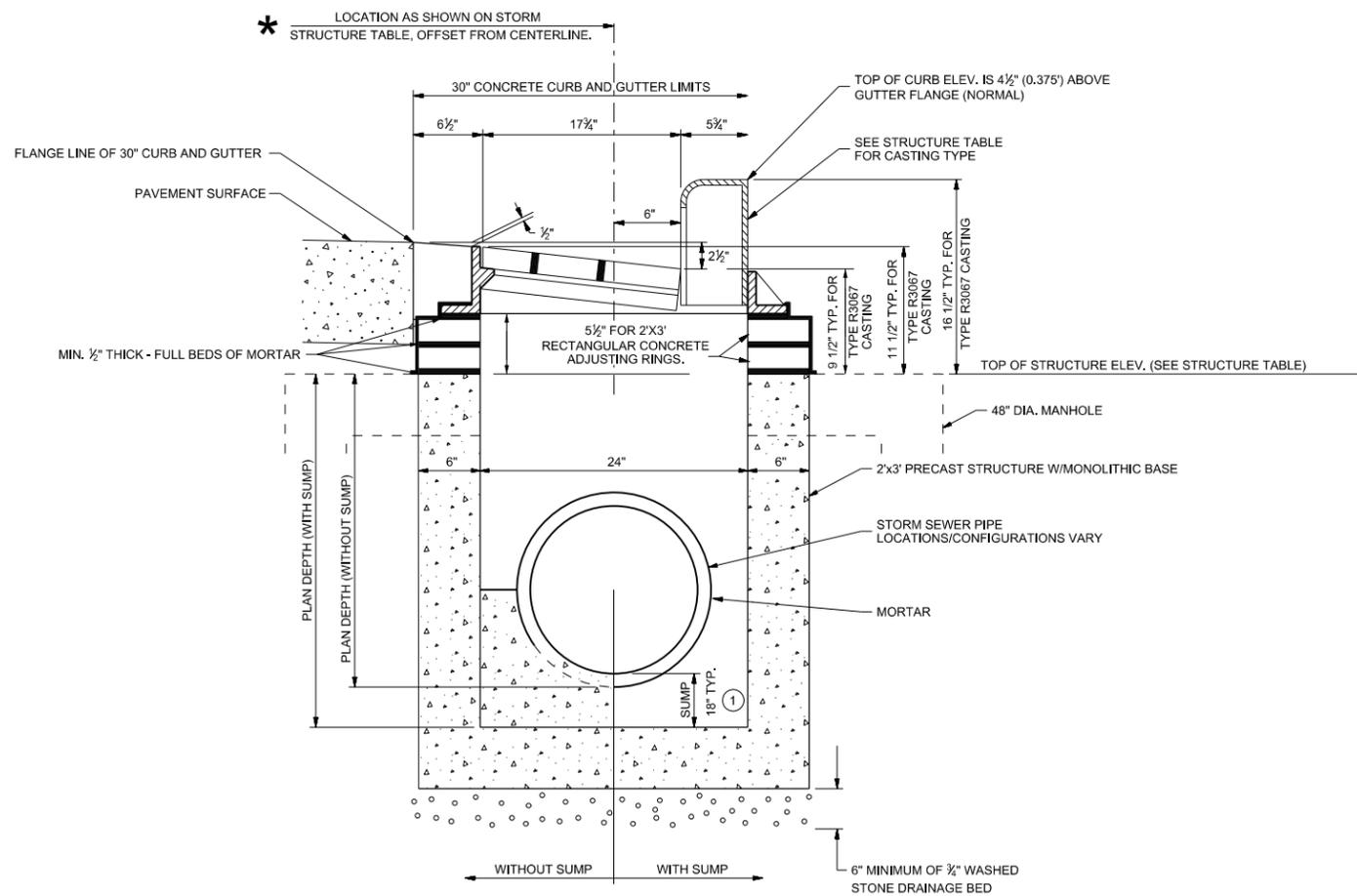
ALL STRUCTURES AND COMPONENTS SHALL BE LABELED BY THE MANUFACTURER IN ACCORDANCE WITH PLAN/SCHEDULE IDENTIFICATION

WHEN STRUCTURES ARE PAID PER VERTICAL FOOT, PAY DEPTH SHALL BE MEASURED FROM THE BOTTOM OF THE CASTING TO: THE SUMP FLOOR; OR THE LOWEST PIPE O.D. (INVERT PLUS WALL THICKNESS).



ELEVATION VIEW

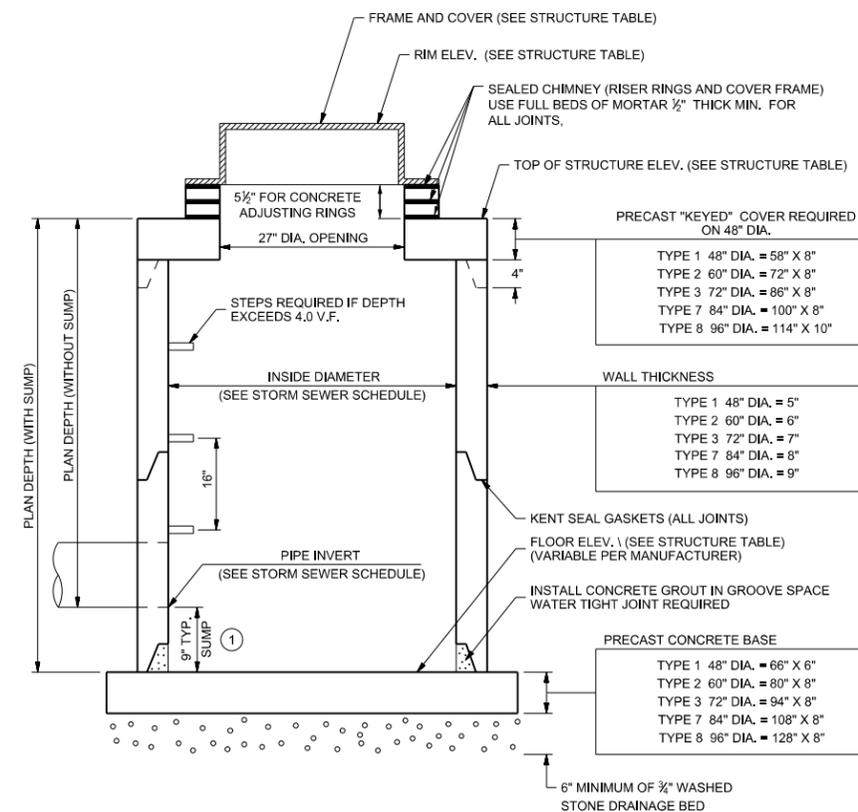
\* CATCH BASIN HORIZONTAL LOCATIONS ARE REFERENCED TO THE CENTER OF THE BOX.



TYPE 2 RECTANGULAR CATCH BASIN

NOTES:

① STRUCTURES WITHOUT SUMPS SHALL INCLUDE A POURED CONCRETE FLOWLINE WITH BENCHES EXTENDING TO THE SPRINGLINE OF EACH CONNECTING PIPE



TYPICAL MANHOLE - REINFORCED PRECAST CONCRETE

PRECAST "KEYED" COVER REQUIRED ON 48" DIA.

TYPE 1	48" DIA.	= 58" X 8"
TYPE 2	60" DIA.	= 72" X 8"
TYPE 3	72" DIA.	= 86" X 8"
TYPE 7	84" DIA.	= 100" X 8"
TYPE 8	96" DIA.	= 114" X 10"

WALL THICKNESS

TYPE 1	48" DIA.	= 5"
TYPE 2	60" DIA.	= 6"
TYPE 3	72" DIA.	= 7"
TYPE 7	84" DIA.	= 8"
TYPE 8	96" DIA.	= 9"

PRECAST CONCRETE BASE

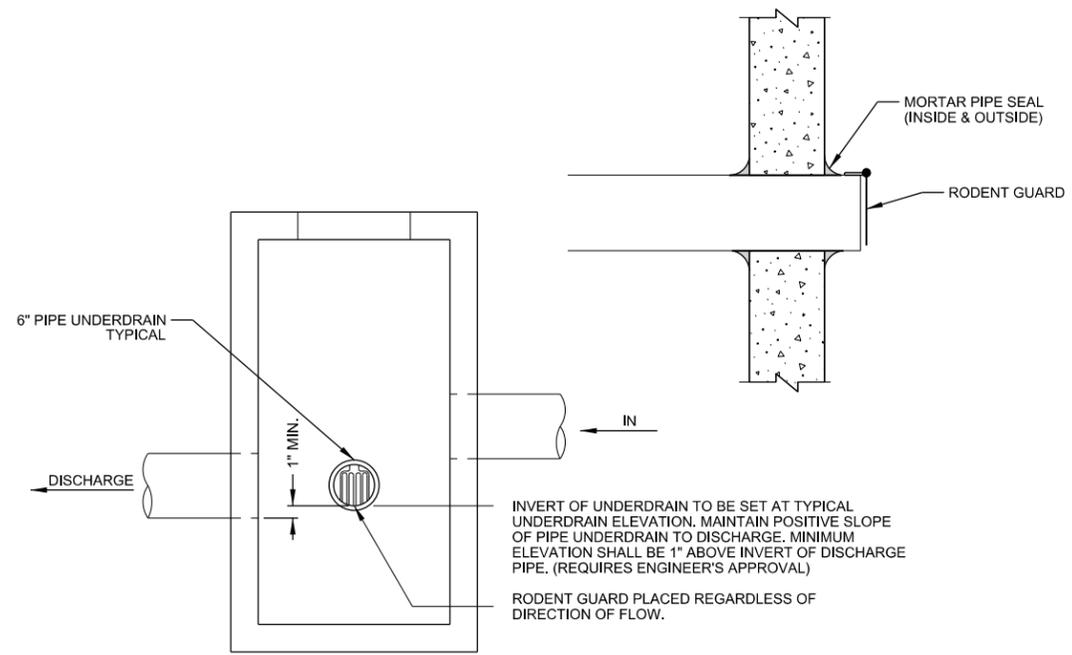
TYPE 1	48" DIA.	= 66" X 6"
TYPE 2	60" DIA.	= 80" X 8"
TYPE 3	72" DIA.	= 94" X 8"
TYPE 7	84" DIA.	= 108" X 8"
TYPE 8	96" DIA.	= 128" X 8"

PROJ. NO.

DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION  
CITY OF MARSHFIELD, WISCONSIN

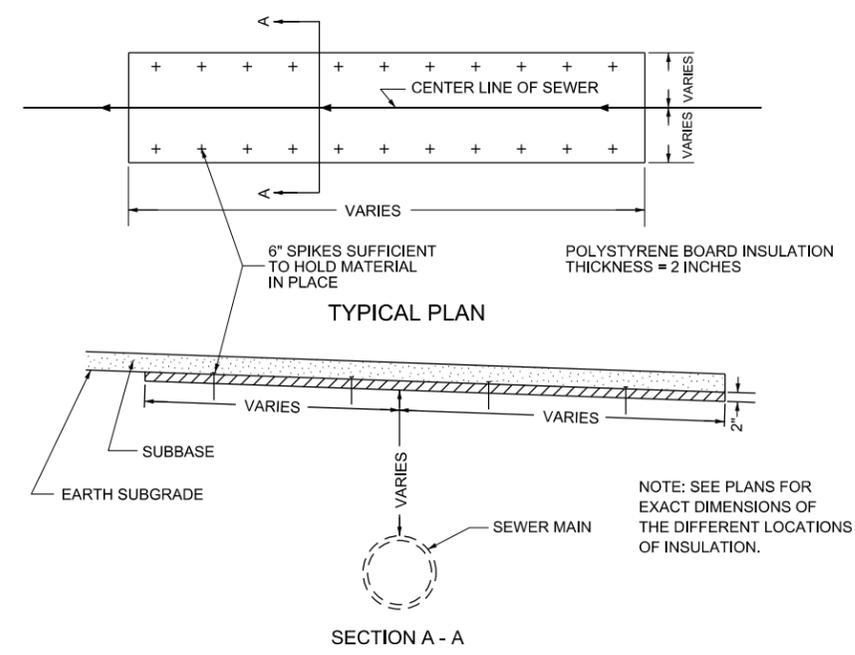
STORM SEWER DETAILS

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**PIPE UNDERDRAIN CONNECTION DETAIL**

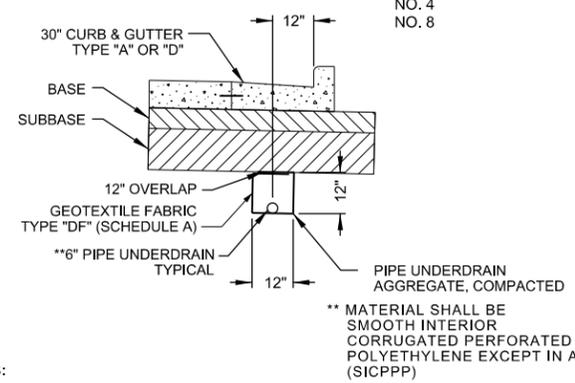
TYPICAL FOR CATCH BASIN OR MANHOLE



**STORM SEWER INSULATION**

PIPE UNDERDRAIN AGGREGATE SHALL BE CLEAN STONE AGGREGATE MEETING THE FOLLOWING GRADATION.

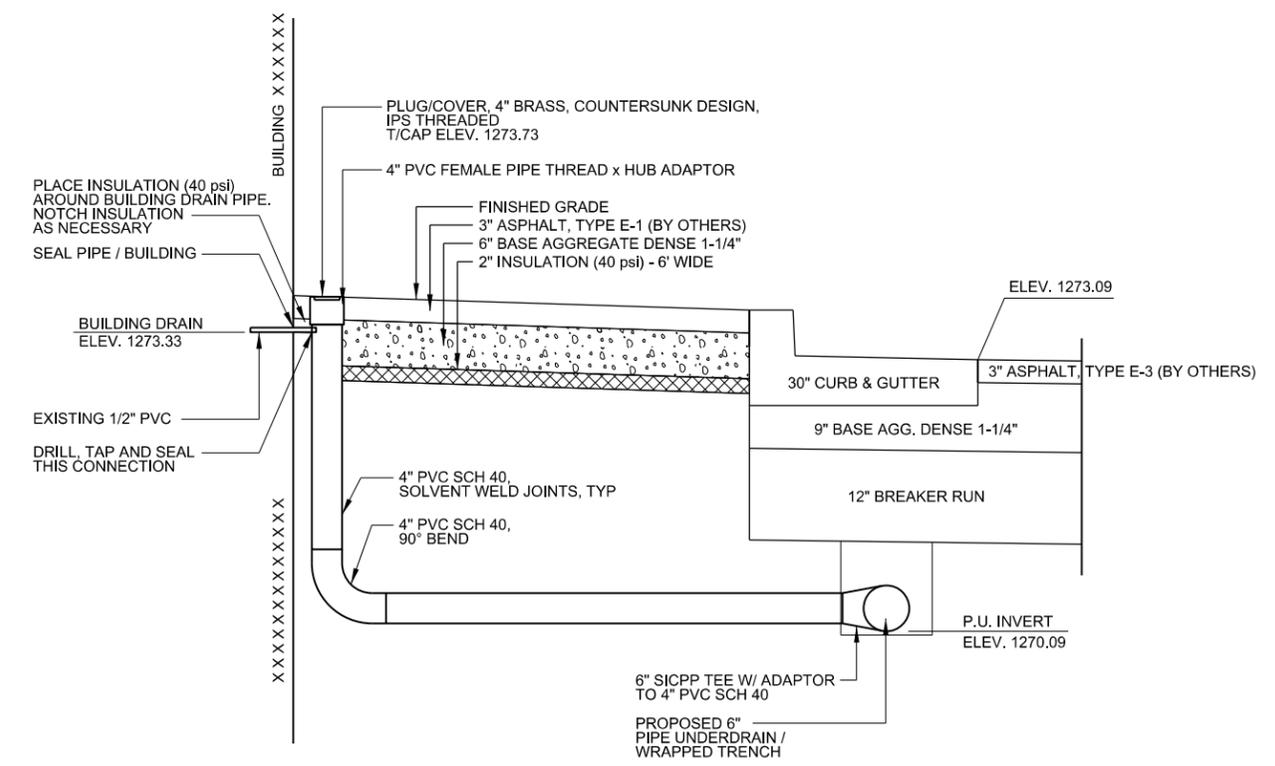
SIEVE SIZES	PERCENTAGE PASSING BY WEIGHT
1 INCH	100%
3/4 INCH	90 - 100
3/8 INCH	20 - 55
NO. 4	0 - 10
NO. 8	0 - 5



GENERAL NOTES:

1. UNDERDRAIN SHALL BE CONNECTED TO INLETS AS SHOWN REGARDLESS OF FLOW DIRECTION FOR DRAINAGE AND MAINTENANCE ACCESS. RODENT SCREEN IS REQUIRED AT EACH UNDERDRAIN CONNECTION.
2. UNDERDRAIN SHALL BE LAID PARALLEL TO THE GRADE OF THE ROAD UNLESS SHOWN OR NOTED OTHERWISE ON THE PLAN SHEETS.

**PIPE UNDERDRAIN DETAIL**



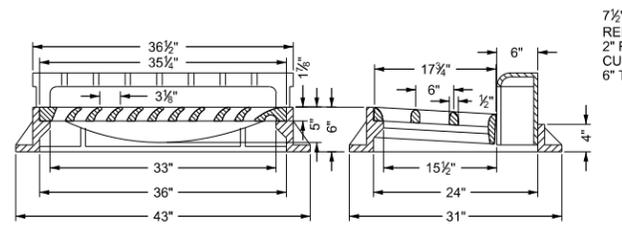
**BUILDING DRAIN CONNECTION**  
108-118 E 3RD ST

PROJ. NO. \_\_\_\_\_

DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION  
CITY OF MARSHFIELD, WISCONSIN

**STORM SEWER DETAILS**

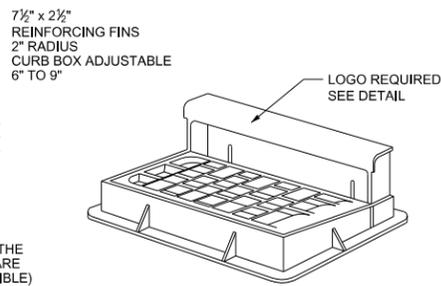
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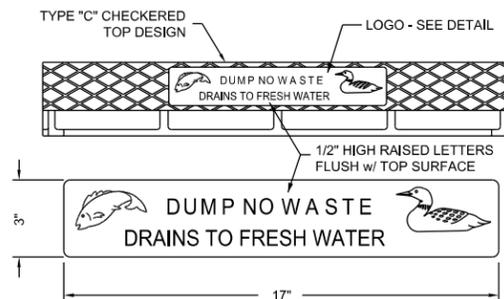
SIMILAR TO NEENAH FDY. CO. CAT. NO. R-3067 WITH TYPE L GRATE

NOTE: GRATE SHALL BE ORIENTED TO THE DIRECTION OF FLOW. (GRATES ARE MANUFACTURED TO BE REVERSIBLE)

CATCH BASIN COVER - TYPE "H"

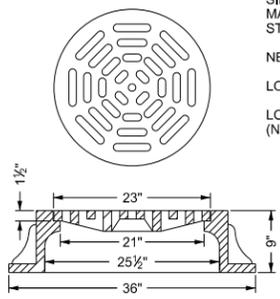


(GRATE TYPE "L")

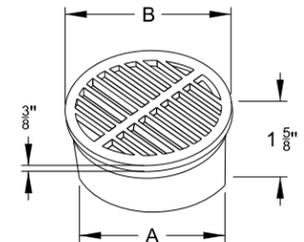


LOGO DETAIL

SIMILAR TO NEENAH MANHOLE LID WITH TYPE "D" STANDARD FLAT DESIGN  
NEENAH NO. R-2050  
LOW PROFILE DESIGNATED "C-LP"  
LOW PROFILE FRAME - NEENAH NO. R-1689 (NON-ROCKING)



MANHOLE OR CATCH BASIN COVER - TYPE "C"

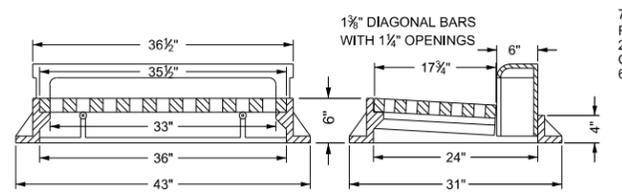


INLET COVER - TYPE "K"

TYPE K GRATES				
TYPE	SIZE	MATERIAL	A	B
12K	12"	DUCTILE IRON	11.47"	15.7"
15K	15"	DUCTILE IRON	14.225"	19.45"
18K	18"	DUCTILE IRON	17.33"	23.5"

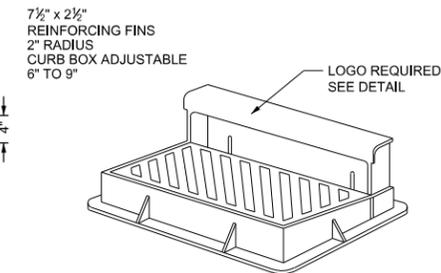
NOTE: 4.5" WIDE SOD STRIP REQUIRED AROUND INLET IF LOCATED IN GRASSED AREA.

SIMILAR TO HARCO PEDESTRIAN DROP-IN GRATE

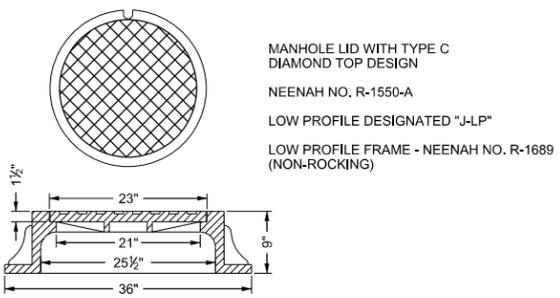


SIMILAR TO NEENAH FDY. CO. CAT. NO. R-3067 WITH TYPE R GRATE

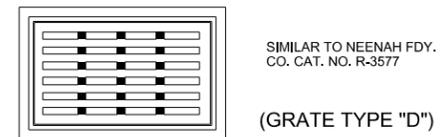
CATCH BASIN COVER - TYPE "H-S"



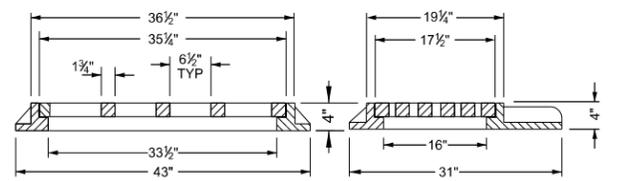
(GRATE TYPE "R")



MANHOLE COVER - TYPE "J"



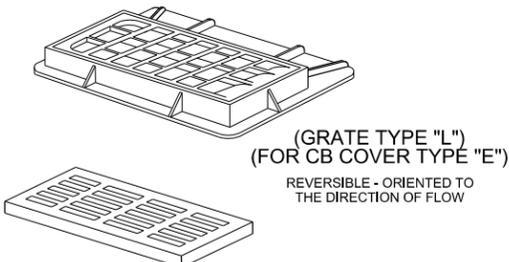
(GRATE TYPE "D")



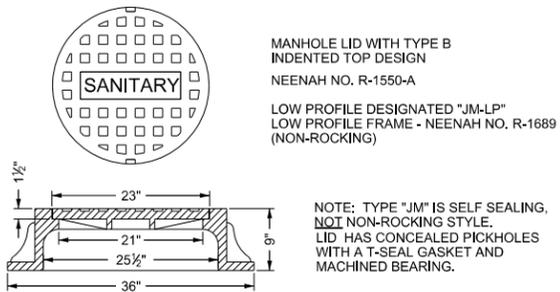
SIMILAR TO NEENAH FDY. CO. CAT. NO. R-3067-C WITH TYPE L GRATE ("E") OR TYPE C GRATE ("E-S")

NOTE: GRATE SHALL BE ORIENTED TO THE DIRECTION OF FLOW. (GRATES ARE MANUFACTURED TO BE REVERSIBLE SHALL BE FURNISHED)

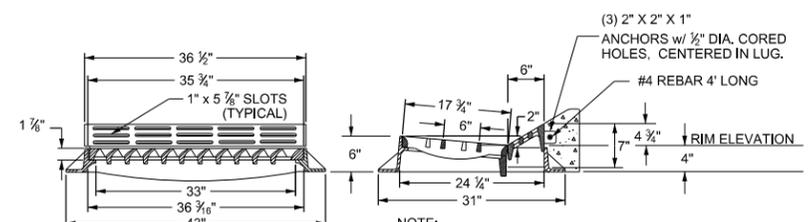
CATCH BASIN COVER - TYPE "E" AND "E-S"



(GRATE TYPE "L") (FOR CB COVER TYPE "E")



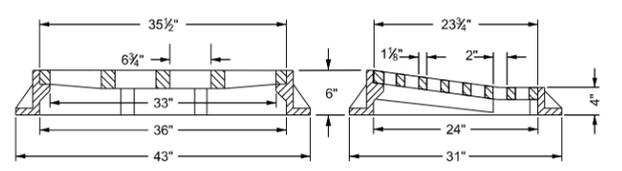
MANHOLE COVER - TYPE "JM"



CATCH BASIN COVER - TYPE "U"

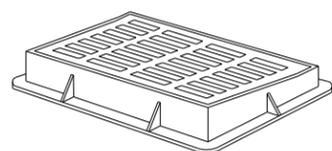
NOTE: SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM" COVER SEE CATCH BASIN AND INLET COVER TYPE "HS" NOTED AS TYPE HM-S ON STRUCTURE TABLE

CATCH BASIN COVER - TYPE "HM"

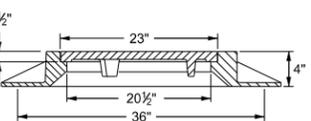


SIMILAR TO NEENAH FDY. CO. CAT. NO. R-3290-A WITH TYPE C GRATE

CATCH BASIN COVER - TYPE "D"



(GRATE TYPE "C")



MANHOLE OR CATCH BASIN COVER FRAME - TYPE "XX-LP"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

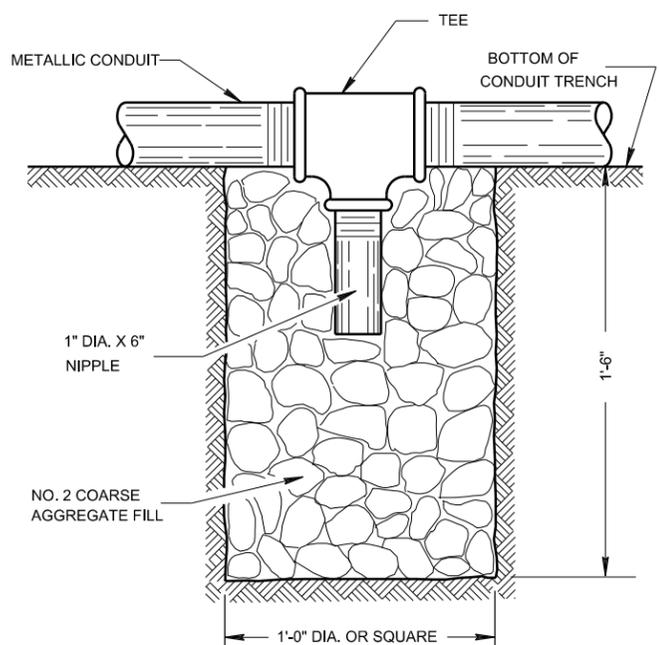
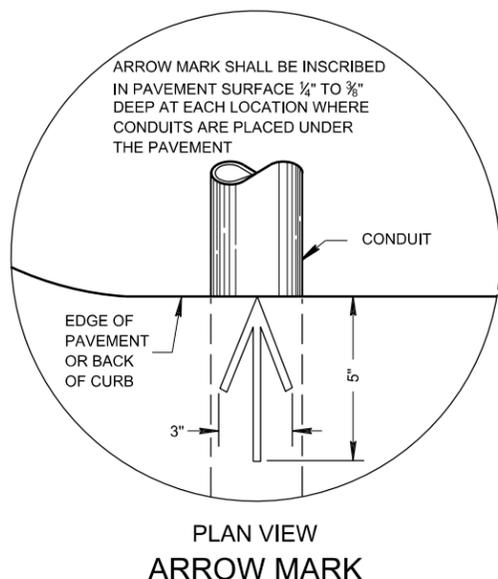
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING

PROJ. NO.

DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION  
CITY OF MARSHFIELD, WISCONSIN

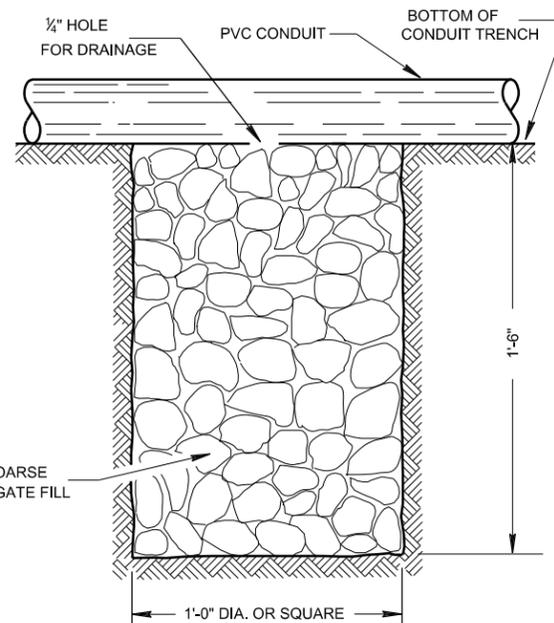
CASTING  
DETAILS

PLOTTED ON: 7/29/2016 7:48:27 AM



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR IMMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

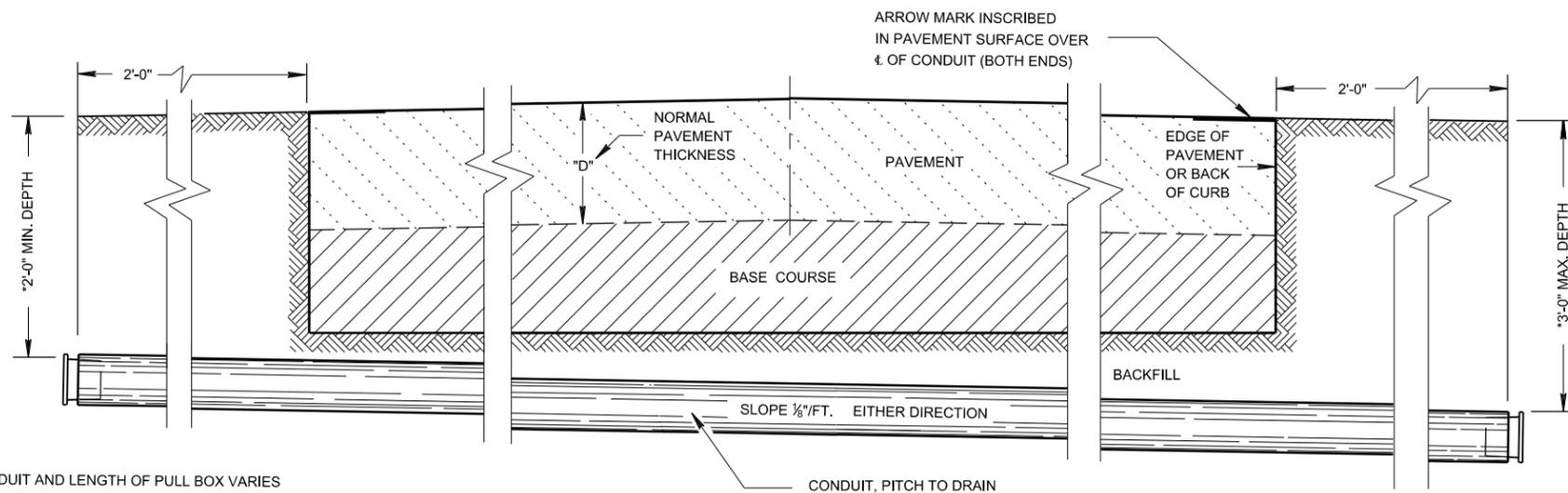
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.



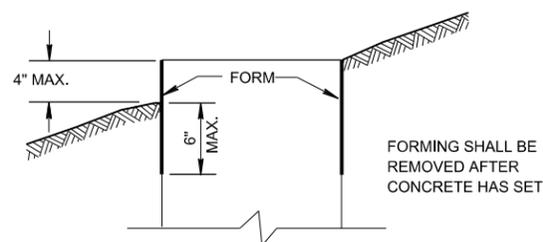
\*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION  
DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

PROJ. NO.
DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION CITY OF MARSHFIELD, WISCONSIN
CONDUIT DETAIL (WISDOT SDD 9 B 2-9)

PLOTTED ON: 7/29/2016

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2 AND TYPE 5 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD, ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 641.2.2 OF THE STANDARD SPECIFICATIONS, ASTM A-449, OR ASTM A-687 (GRADE 105).

WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

2 (4) 1" DIA. X 3'-6" ANCHOR RODS.

3 (4) 1" DIA. X 5'-0" ANCHOR RODS.

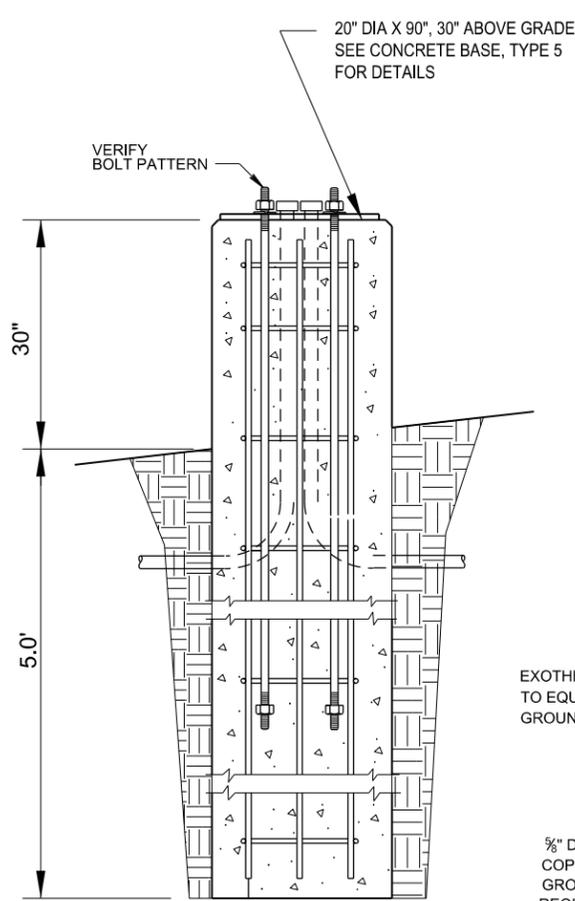
4 (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

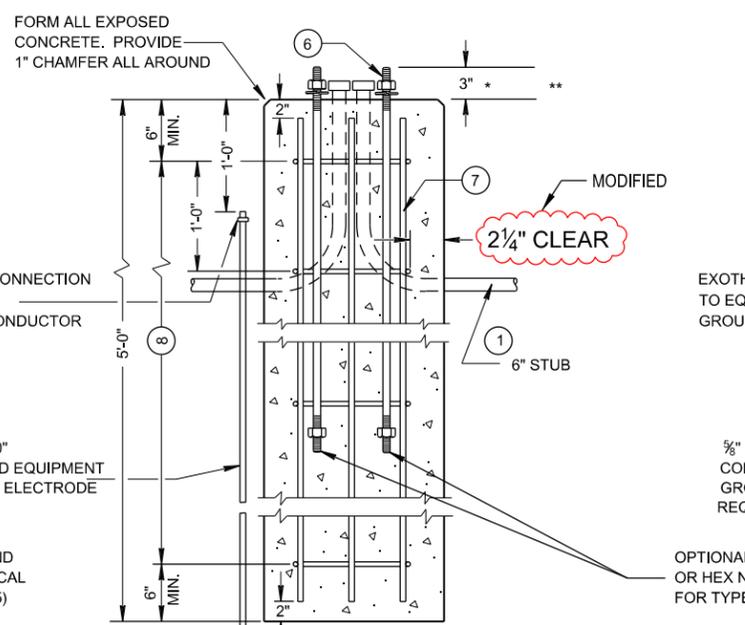
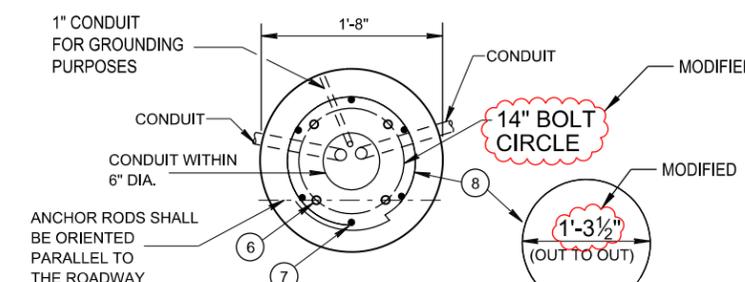
6 (4) 1" DIA. X 3'-6" ANCHOR RODS.

7 (6) NO. 4 X 4'-8" BAR STEEL REINFORCEMENT.

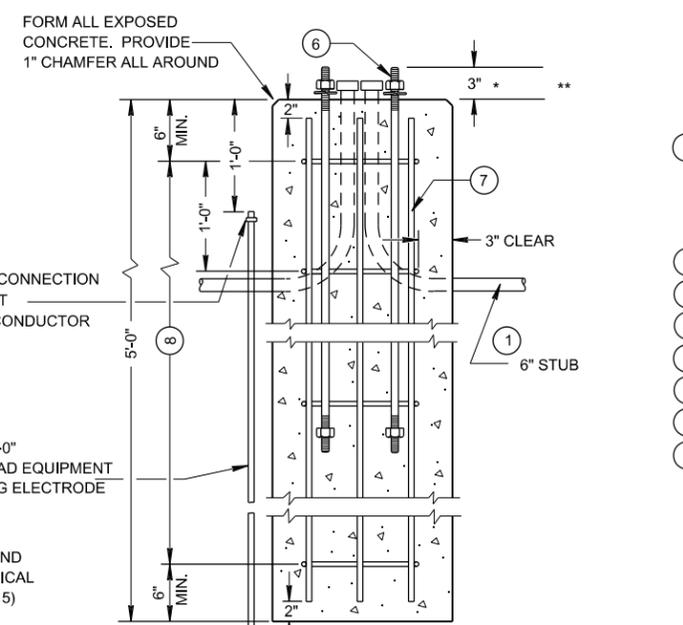
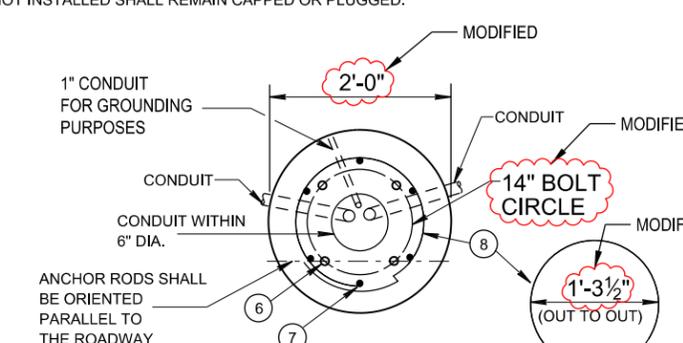
8 (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.



TYPE 5-M SHALL CONFORM TO DETAILS OF CONCRETE BASE TYPE 5 WITH 30" EXTENSION ABOVE GROUND



TYPE 5 MODIFIED - A



TYPE 5 MODIFIED - B

CONCRETE BASES

\* ANY ANCHOR ROD PROJECTION SHORTER THAN 2 1/4" OR LONGER THAN 3 1/4" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

\*\* FOR NONBREAKAWAY INSTALLATIONS, 4 1/2" ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

PROJ. NO. \_\_\_\_\_  
 DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION  
 CITY OF MARSHFIELD, WISCONSIN  
**CONCRETE BASES,  
 TYPES 5 MODIFIED  
 WISDOT 9 C 2-6**

PLOTTED ON: 7/29/2016 7:48:30 AM

**CITY OF MARSHFIELD  
STANDARDS FOR REPAIR OF STREET PAVEMENTS**

**I. All Pavement Repairs**

- All work and materials shall comply with the City of Marshfield Standard Specifications for Public Works Construction (current year edition, available on the City web site, <http://ci.marshfield.wi.us/public-works/files/spec.pdf>), Concrete/Pavement Repair and Replacement detail drawings, and these standards; and shall be the responsibility of the prime contractor or permittee.
- Backfill material shall be suitable native material (typically clay) compacted in lifts.
- Pavement, base and subbase materials shall be replaced in-kind. Match existing thicknesses of base and pavement if the existing thicknesses exceed the minimum thicknesses as detailed for asphalt or concrete pavements.
- Roadway underdrains, if encountered shall be repaired in-kind (including pipe, fabric, media, etc.).
- Longitudinal joints shall be parallel to the centerline of the travelled way, but shall not be located in a wheel path. Transverse joints shall be perpendicular to longitudinal joints. Skewed joints will only be allowed if approved by the City Engineer.
- All repaired surface areas shall be flush with existing pavements and provide a smooth ride along with proper drainage. Repair areas that do not satisfy these requirements shall be removed and replaced.
- Seal all new joints within the repair area, and perimeter joints between the repair area and existing pavement. Reseal existing joints beyond the repair area if disturbed by construction. Completely fill the joint with hot-pour elastic sealant.
- Re-establish all pavement markings removed within the repair area, and beyond if disturbed by construction. Pavement markings shall be repainted in-kind (i.e. existing epoxy/preformed plastic/latex pavement markings shall be replaced with new epoxy/preformed plastic/latex pavement markings).
- Roadway shoulders shall be restored if within the repair area or disturbed by construction. Shouldering material shall be replaced in-kind (i.e. paved asphalt/recycled asphalt millings/gravel shall be replaced with paved asphalt/recycled asphalt millings/gravel).

**II. Concrete Pavement**

**A. Sawing**

- Saw existing concrete pavement, full depth.
- Minimize over-sawing into adjacent pavements/panels. Do not oversaw beyond the repair area unless the saw blade is within an existing joint.
- If existing pavement is 5 years old or less, then saw/remove full panel(s), existing joint to existing joint.
- If existing pavement is 6 years old or older, then saw as follows:
  - Provide 6' minimum distance between an existing joint or crack and the proposed saw cut for the repair area.
  - Repair area shall be at least 6' for both longitudinal and transverse directions.
  - Rule of thumb: Don't take anything less than 6' and don't leave anything less than 6'.
  - Saw to remove defective or spalling (existing) joints.

**B. Chipped Joints**

- Minimize the possibility for joints or sawed edges to become chipped or damaged through utilization of secondary saw cuts and careful removal (excavation, backfilling, grading) procedures.
- Chips 1" or less horizontally shall be repaired unless the existing street pavement joints are spalled/widened to this degree.
- Chips between 1" and 2" horizontally may be repaired if existing street pavement joints are spalled/widened to this degree. If, in the opinion of the City Engineer, repairing the chip would be detrimental to the street as compared to the general condition of said street pavement, then re-saw the joint/edge, for the entire length ("Boxing-out" around the chip is not allowed).
- Chips larger than 2" horizontally will require re-sawing the joint/edge for the entire length.
- Joints/sawed edges with multiple chips will typically require re-sawing the joint/edge for the entire length.
- Use VersaSpeed as manufactured by the Euclid Chemical Company for repairing chipped concrete. Follow the manufacturer's installation directions for use.
- Note: Resawing may substantially increase the size of the repair, as necessary to comply with the saw cut location requirements.

**C. Minimum Thicknesses**

- Gravel base shall not be less than 6", compacted.
- Concrete pavement shall not be less than 8".

**D. Dowel Bars**

- All transverse joints shall be doweled, unless the thickness of the existing concrete is less than 7", thence tie bars shall be installed.
- Dowel bars shall be 1-1/4" x 18", Epoxy Coated Steel.
- When drilled into existing pavement, drill 1-3/8" x 9" holes, spaced 15" on-center, and anchored with an epoxy.
- When set into new pavement, use baskets with bars spaced 12" on-center.

**E. Tie Bars**

- All longitudinal joints shall be reinforced with pavement ties.
- When drilled into existing pavement, drill (1/8" larger than bar) 6" deep and use No. 6 Epoxy Coated Rebar, 12" long, spaced 30" on-center, and anchored with an epoxy.
- When set into new pavement, use No. 4 Epoxy Coated Rebar, 24" long, spaced 30" on-center.

**F. Ready Mix Concrete**

- Concrete mix shall be from an approved ready mix concrete supplier.
- Design of the mix shall comply with current City of Marshfield Standard Specifications for Public Works Construction, Section 10, and modifications thereof. Air entrainment and Type II cement are required.
- Use of 9-bag or Special High Early Strength mixes is not allowed.
- Use of chloride or accelerating admixtures to increase early strength development or decrease set time is not allowed.
- Preparation, forming, handling, placing, finishing, curing and protecting shall comply with the City's Standard Specifications. Curing compound shall be Tri-Kote 26, or approved equal, and shall be spray applied.
- Open to traffic after concrete has attained 3000 psi compressive strength as verified through cylinder testing (arterial and collector streets) or equivalent curing days for other locations.

**III. Asphalt Pavement**

- Asphalt pavement may be sawed before or after excavation, however, the edge(s) of existing asphalt pavement bounding the repair area must be vertical and undamaged when permanent repairs are made.
- Minimum thicknesses for asphalt pavement repairs shall be not less than 9" of gravel (compacted) and not less than 3" of asphalt.
- Asphalt repair patches for locations within the travelled way of collector and arterial streets; and all other streets of which the surface is 5 years old or less, shall be at least 10' wide (transverse dimension) and 10' long as a minimum (allows placement of asphalt by a paver).
- Hot mix asphalt for streets, alleys, driveways, etc. shall be placed and compacted in lifts.
- Damage to existing pavement beyond the excavation must be repaired as part of the patch. Damage may include cracking, separation, lifted mat, scratches, gouges, imprints, etc.
- Asphalt surface treatments such as chip seal treatment, slag seal treatment, coat tar or asphalt emulsion sealant, etc. shall be restored where disturbed by construction.

**IV. Asphalt Overlaid on Concrete Base**

- Remove all broken, damaged or unsound concrete. Full depth sawing of the concrete pavement is not required.
- Transverse joint reinforcement: Use drilled tie bars, No. 6 x 12", spaced 12" on-center.
- Longitudinal joint reinforcement: Use drilled tie bars, No. 6 x 12", spaced 30" on-center.
- If brick pavers are found underlying the asphalt surface, then remove all loose bricks and pour concrete base against remaining stable bricks (reinforcement or ties not required).
- All other requirements for Concrete Pavement shall apply.
- Saw and remove asphalt beyond the base concrete repair area.
- Location of asphalt joints shall comply with requirements for asphalt pavement.
- All other requirements for Asphalt Pavement shall apply.
- Note: Curb and gutter repair shall be done such that the pan will be overlaid with asphalt, however, the curb head shall remain exposed (including depressed curb head through driveways).

**V. Subsurface Utility Excavation (SUE)/Pothing**

- Use air (vacuum) within pavement structure. Use air or water (jetting) in other R/W areas beyond the pavement structure.
- Full depth core saw existing pavement, 12" diameter round, typical. Remove and save the 'core'.
- Provide/use a temporary protective steel ring to protect the edge of the opening. Provide/use a temporary round plate (with skirt) to protect opening if subjected to traffic prior to pavement repair.
- Match existing thicknesses of bedding/cover, base and surface materials.
- If suitable for reuse, reinstall the 'core' in the opening at the original alignment/orientation, using approved non-shrink grout placed into the opening and forced to the surface (filling annular space) upon placement/reinsertion of the 'core'.
- If the 'core' cannot be reused, then concrete repairs shall comply with all requirements for concrete pavement except as discussed herein. The joint of the new concrete patch shall be tied to existing concrete using #4 Epoxy Coated Rebar, 8" long, space 120° apart. Clean the vertical surface of existing concrete and prepare using a bonding agent. Concrete shall be ready mix or an approved high quality, air entrained bagged mixture. Finish, cure and protect as required for Concrete Pavement.
- Asphalt repairs shall comply with all requirements for Asphalt Pavement except as discussed herein. The joint of the new asphalt patch shall be adhered/tacked to the existing asphalt. Asphalt material shall be Hot Mix Asphalt or an approved mixture such as Quikrete Commercial Grade High Performance Blacktop Repair.

{End of Standards}

Rev. 1/14

PROJ. NO.

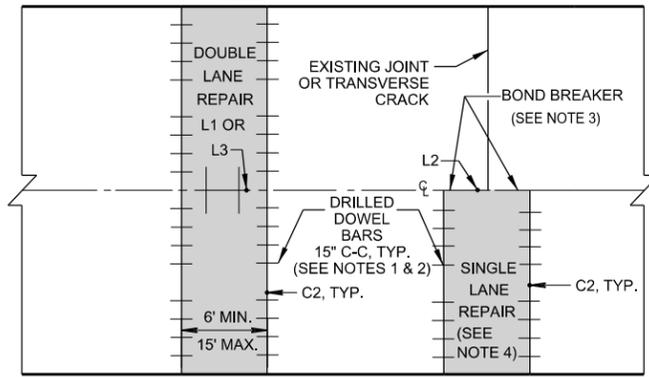
DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION  
CITY OF MARSHFIELD, WISCONSIN

**CONCRETE /PAVEMENT  
REPAIR & REPLACEMENT  
(STREET REPAIR STANDARDS)  
SHEET 1 OF 3**

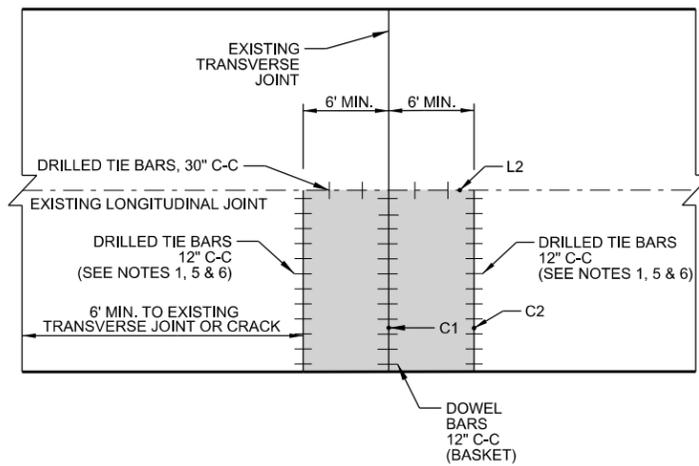
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**GENERAL NOTES**

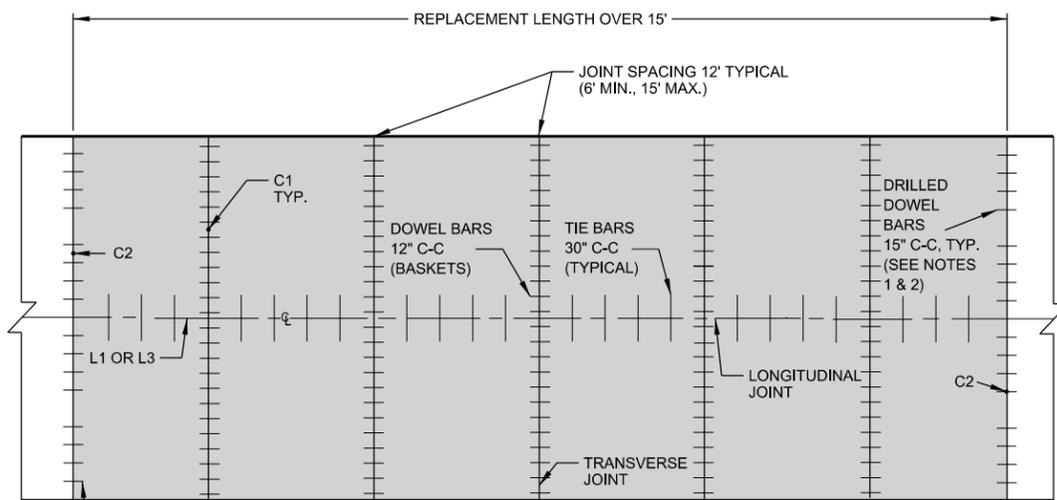
- DO NOT OVERSAW BEYOND THE REPAIR AREA UNLESS THE SAW BLADE IS WITHIN AN EXISTING JOINT.
- DOWEL BARS SHALL BE INSTALLED PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.
- CONCRETE PAVEMENT REPAIRS OF EXISTING NON DOWELED CONCRETE PAVEMENTS SHALL BE DOWELED.
- ALL NEW AND EXISTING JOINTS SHALL BE FILLED/SEALED.
- 1. ANCHOR DOWEL AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.
- 2. APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.
- 3. USE AN ENGINEER-APPROVED BOND BREAKER (0.5MM FREE STANDING PLASTIC SHEETING, RELEASE AGENT, CURING COMPOUND, 30LB TAR PAPER, ETC.) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
- 4. SINGLE LANE JOINT REPAIR PATCH WITH OFFSET TRANSVERSE JOINT NOT ALLOWED FOR REPAIR OF UTILITY CUTS.
- 5. PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM AN EXISTING TRANSVERSE JOINT OR THE EDGE OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.
- 6. RESTRICT THE POTENTIAL FOR JOINT MOVEMENT WHEN INTRODUCING NEW TRANSVERSE JOINTS THAT DO NOT EXTEND ACROSS THE ENTIRE WIDTH OF PAVEMENT.
- 7. DRILLED TIE BARS ARE REQUIRED WHERE LONGITUDINAL EDGES OF THE REPAIR/REPLACEMENT ARE ABOUT CONCRETE CURB & GUTTER OR PAVEMENT.



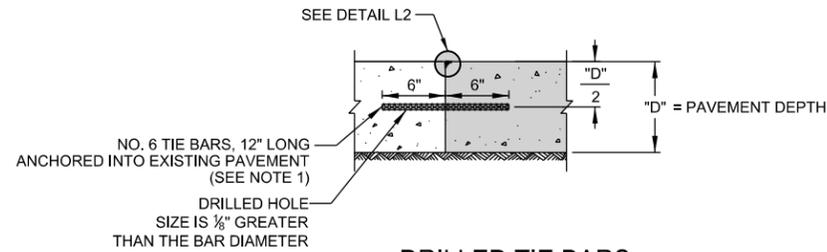
**CONCRETE PAVEMENT JOINT REPAIR/REPLACEMENT**



**SINGLE LANE CONCRETE PAVEMENT REPAIR**

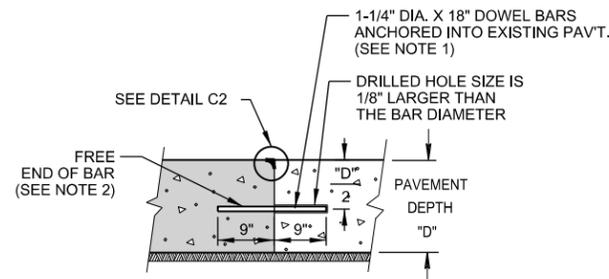


**MULTI-LANE CONCRETE PAVEMENT REPLACEMENT**



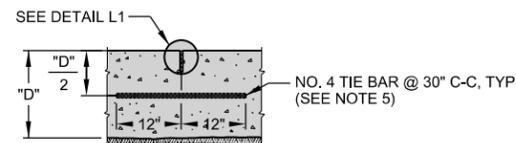
**DRILLED TIE BARS**

(DRILLED INTO EXISTING CONCRETE PAVEMENT)



**DRILLED DOWEL BARS**

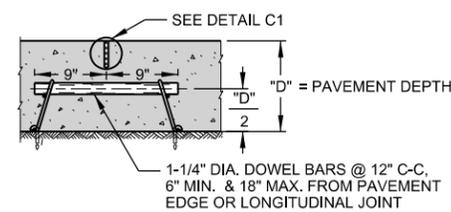
(DRILLED INTO EXISTING CONCRETE PAVEMENT)



"D" = PAVEMENT DEPTH

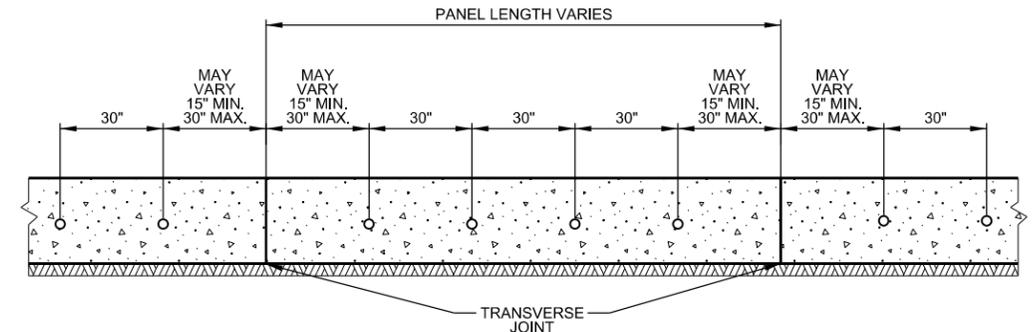
**LONGITUDINAL/TIED JOINT**

(WITHIN NEW PAVEMENT/PATCH)



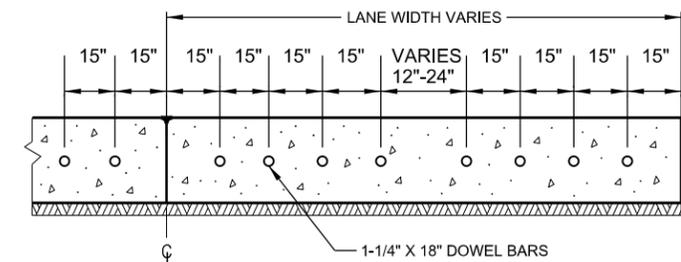
**TRANSVERSE/DOWELED JOINT**

(WITHIN NEW PAVEMENT/PATCH)



**TIE BAR SPACING**

(DRILLED INTO EXISTING PAVEMENT OR PLACED WITHIN NEW PAVEMENT/PATCH)



**DRILLED DOWEL BAR SPACING**

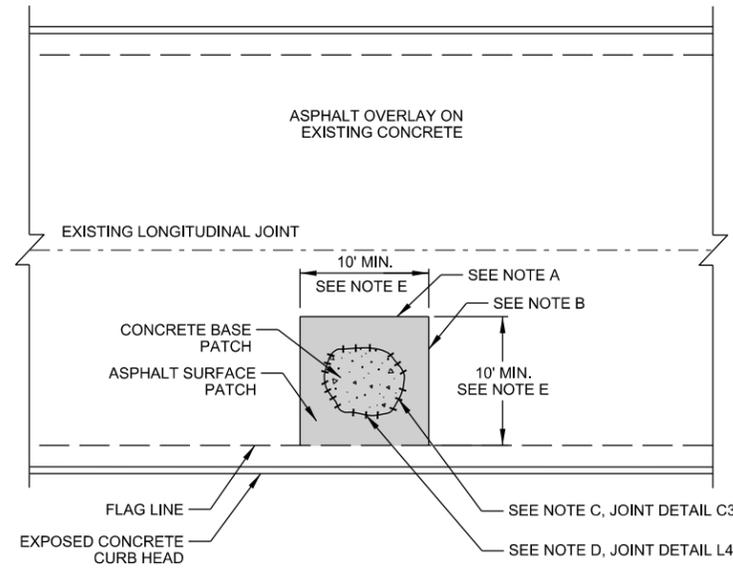
(DRILLED INTO EXISTING PAVEMENT)

PROJ. NO.

DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION  
CITY OF MARSHFIELD, WISCONSIN

**CONCRETE PAVEMENT  
REPAIR & REPLACEMENT  
(STREET REPAIR STANDARDS)  
SHEET 2 OF 3**

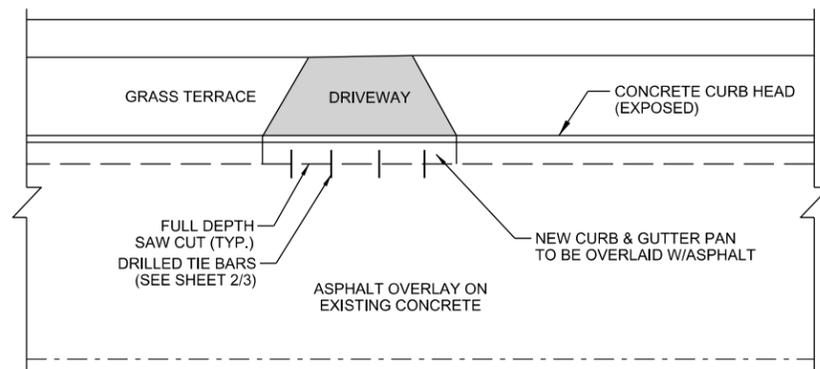
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**ASPHALT OVERLAY ON CONCRETE BASE (REPAIR)**

**NOTES:**

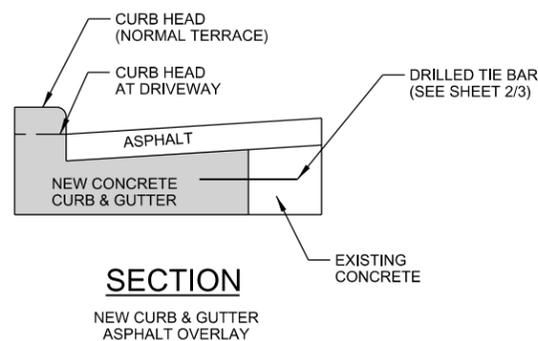
- A. LONGITUDINAL JOINTS SHALL BE AT THE  $\pm$  OR PARALLEL WITH THE  $\pm$  AT THE MIDDLE OR EDGE OF THE LANE/TRAVELED WAY. LONGITUDINAL JOINTS SHALL NOT BE AT A WHEEL PATH.
- B. TRANSVERSE JOINTS SHALL BE ALIGNED WITH OR AT LEAST 6' FROM AN EXISTING TRANSVERSE JOINT OR CRACK.
- C. TRANSVERSE JOINT REINFORCEMENT SHALL BE DRILLED TIE BARS (NO. 6x12" SPACED 12" C-C, SEE SHEET 2/3)
- D. LONGITUDINAL JOINT REINFORCEMENT SHALL BE DRILLED TIE BARS (NO. 6x12" SPACED 30" C-C, SEE SHEET 2/3)
- E. MINIMUM DIMENSIONS FOR ASPHALT REPAIRS AS SHOWN SHALL BE REQUIRED ON COLLECTOR AND ARTERIAL STREETS; AND RESIDENTIAL STREETS WITH ASPHALT SURFACE AGE OF 5 YEARS OR LESS.



**CURB & GUTTER ON ASPHALT OVERLAID CONCRETE PAVEMENT**

**NOTES:**

- CURB OPENINGS FOR NEW DRIVEWAYS MAY BE CONSTRUCTED BY SAWING OFF THE CURB HEAD (IF PROFESSIONALLY DONE BY TRAINED PERSONNEL USING PROPER EQUIPMENT) IN LIEU OF REMOVAL AND REPLACEMENT.
- NEW CONCRETE CURB & GUTTER PAN SHALL NOT BE EXPOSED UNLESS APPROVED BY THE CITY ENGINEER.

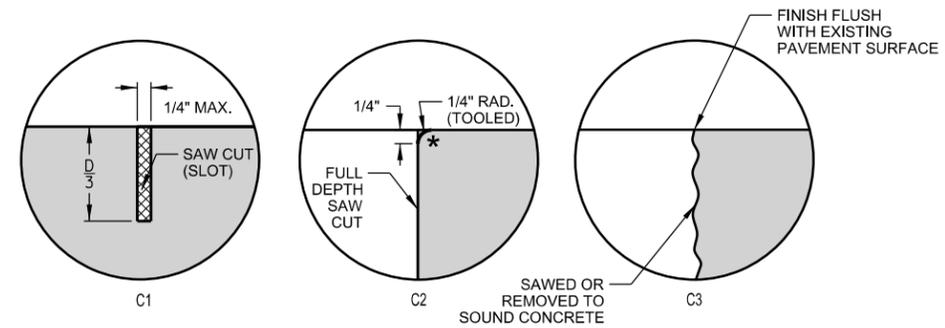


**SECTION**

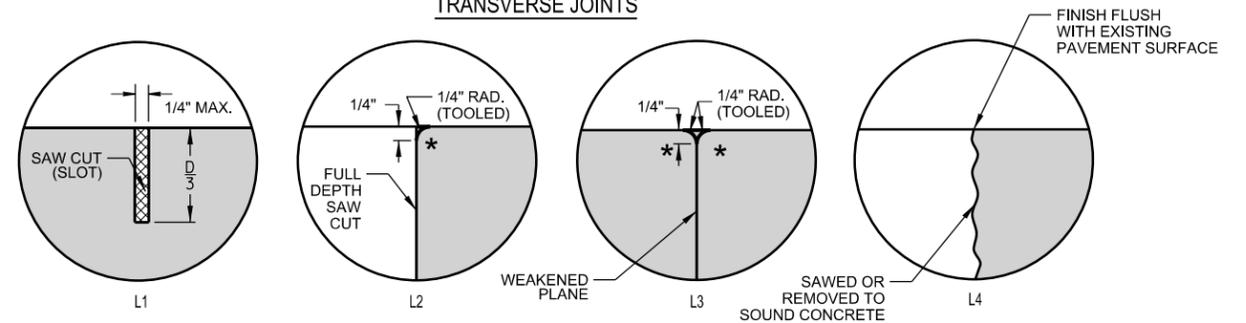
NEW CURB & GUTTER  
ASPHALT OVERLAY

☒ HOT-POUR ELASTIC SEALANT REQUIRED

\* TROWEL/EDGE NEW CONCRETE TO CREATE A RESERVOIR FOR JOINT SEALANT

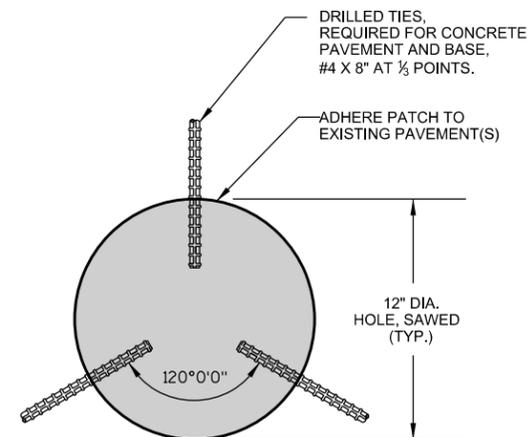


**TRANSVERSE JOINTS**



**LONGITUDINAL JOINTS**

**CONCRETE PAVEMENT JOINT DETAILS**



**S.U.E./POTHOLE REPAIR**

(CONCRETE PAVEMENT/BASE)

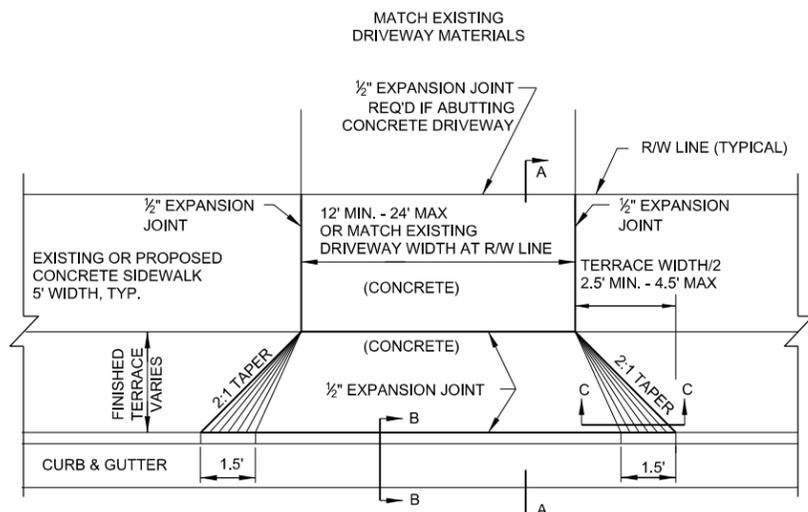
PROJ. NO.

DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION  
CITY OF MARSHFIELD, WISCONSIN

**CONCRETE PAVEMENT JOINT DETAILS &  
ASPHALT OVERLAY/ POTHOLE REPAIRS  
(STREET REPAIR STANDARDS)**

SHEET 3 OF 3

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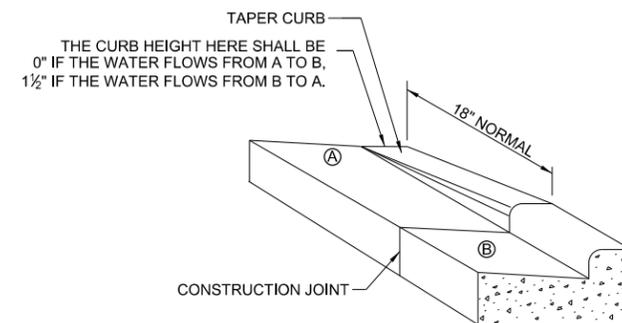
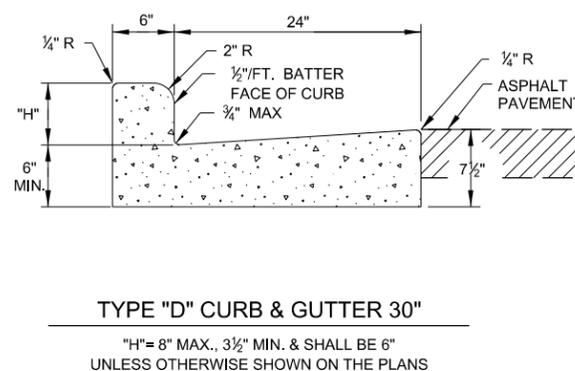
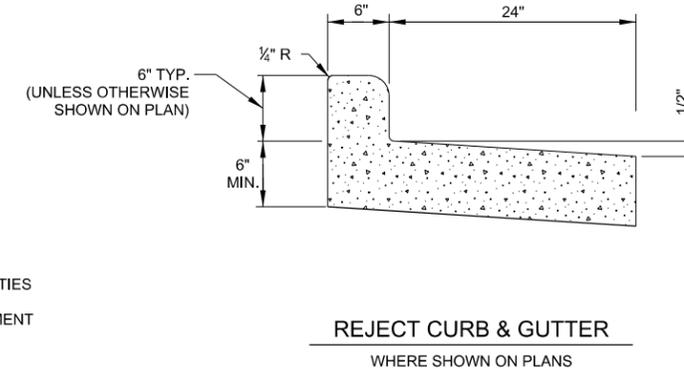
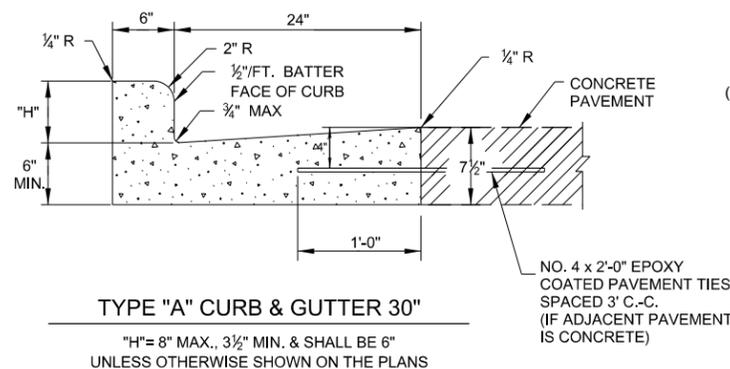


**ENTRANCE DETAIL (PE'S & CE'S)  
CURB & GUTTER WITH CONCRETE SIDEWALK**

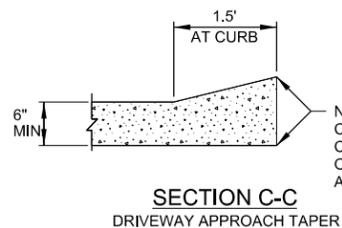
\*\* MINIMUM DRIVEWAY TYPICAL SECTIONS

- GRAVEL DRIVEWAYS: 6" BASE AGGREGATE DENSE 3/4"
- MILLINGS DRIVEWAYS: 3" ASPHALT MILLINGS OVER 6" BASE AGGREGATE DENSE 1 1/4"
- ASPHALT DRIVEWAYS: 3" HMA TYPE E-1.0 OVER 6" BASE AGGREGATE DENSE 1 1/4"
- CONCRETE DRIVEWAYS: 6" OR 8" CONCRETE OVER 6" BASE AGGREGATE DENSE 1 1/4"

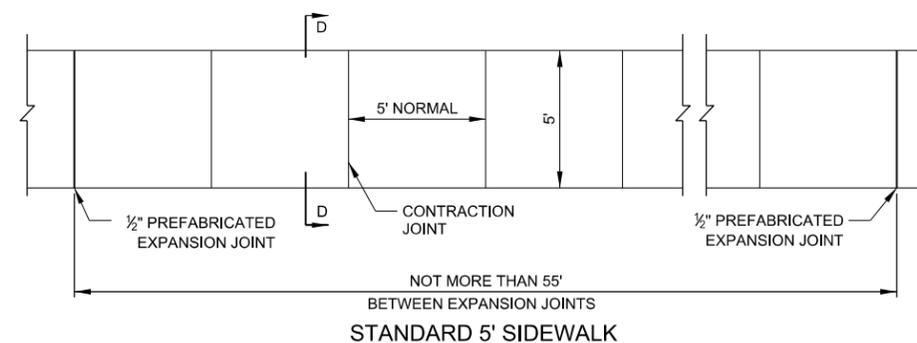
NOTE: THE EXACT LOCATION & WIDTHS OF ENTRANCES TO BE DETERMINED IN THE FIELD BY THE ENGINEER.



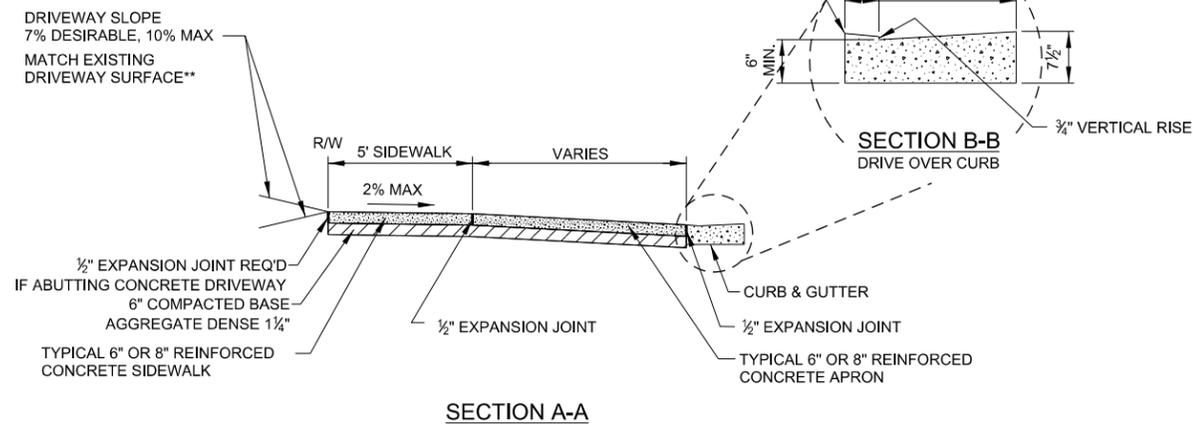
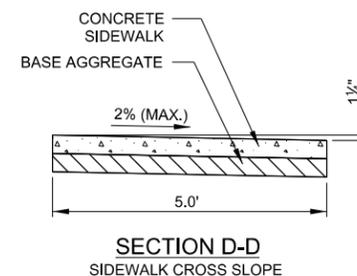
**DETAIL OF CURB & GUTTER TERMINI**



NOTE: CONCRETE IN THE TAPER AREA SHALL BE CONSTRUCTED TO THE FULL DEPTH AT THE OUTSIDE EDGE, AND THE EXPANSION JOINT AT THE CURB SHALL MATCH THIS DEPTH.



TYPICAL SIDEWALK SECTION:  
4" CONCRETE SIDEWALK OVER 4" BASE AGGREGATE  
5" CONCRETE SIDEWALK OVER 4" BASE AGGREGATE  
6" CONCRETE SIDEWALK OVER 6" BASE AGGREGATE  
8" CONCRETE SIDEWALK OVER 6" BASE AGGREGATE



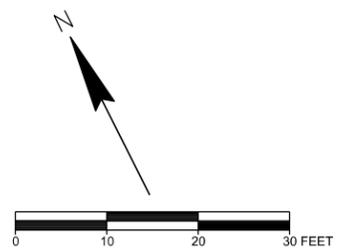
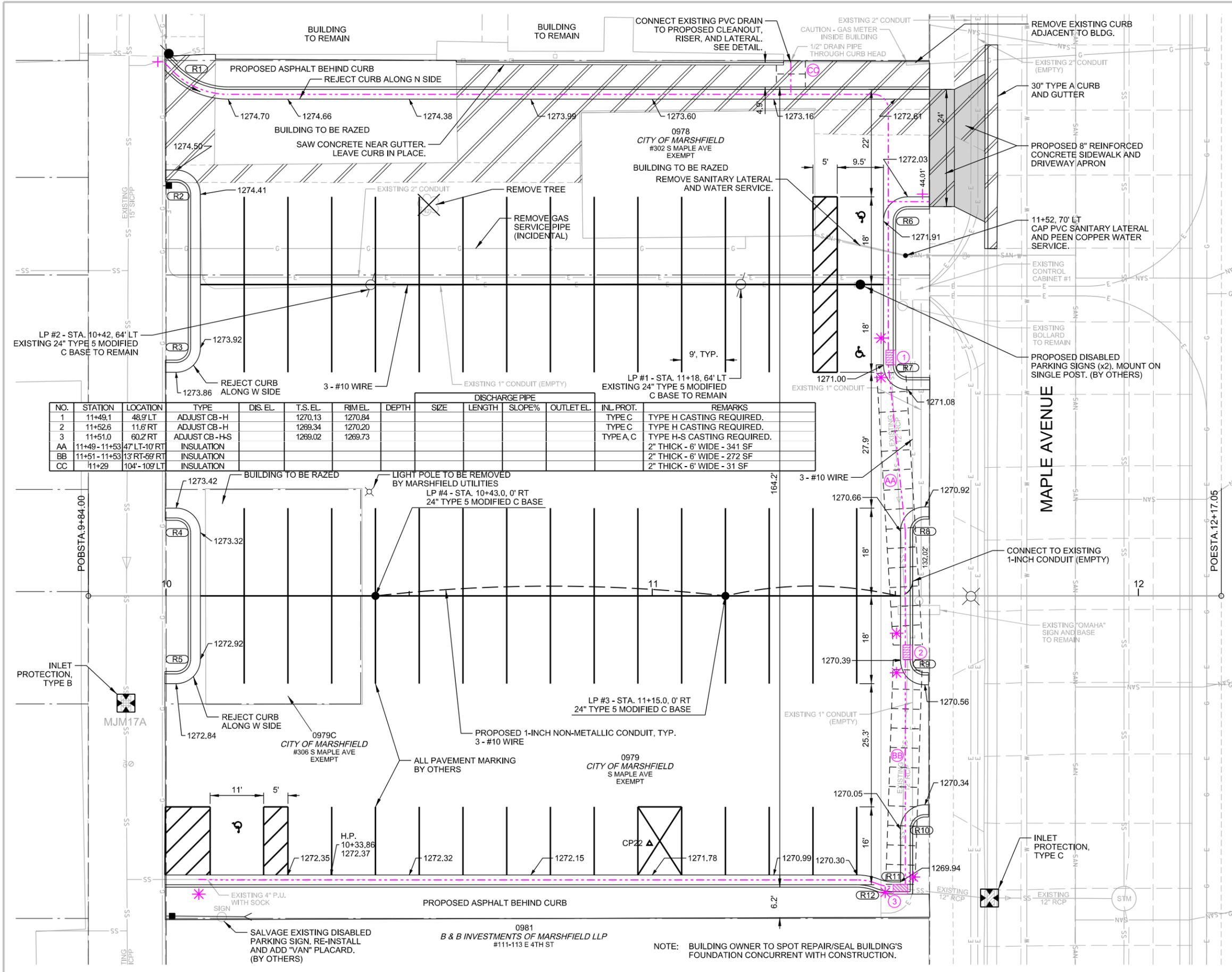
PROJ. NO. 312071

DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION  
CITY OF MARSHFIELD, WISCONSIN

**CONCRETE CURB AND GUTTER,  
CONCRETE ENTRANCE,  
CONCRETE SIDEWALK  
DETAILS**

PLOTTED ON: 7/29/2016 7:48:35 AM

BM 12	1274.42	HYD NE COR 3RD & MAPLE
CP 12	1273.62	3/4" I.R., STA. 12+21.94, 218.91' LT
CP 22	1271.57	PK NAIL, STA. 10+99.44, 50.83' RT
CP 26	1271.13	3/4" I.R., STA. 12+22.07, 19.52' LT
CP 29	1268.75	PK NAIL, STA. 11+45.32, 224.33' RT



**LEGEND**

- SICPPP UNDERDRAIN, 6" TYP.
- \* UNDERDRAIN CONNECTION
- + END CAP REQUIRED

**NOTES:**  
 INSTALL 20" PLANTING SOIL AND 3" HARDWOOD MULCH IN FIVE CURB AND GUTTER ISLANDS AND TERRACE NORTH OF NEW DRIVEWAY APRON.  
 EXISTING LOT HAD 54 PARKING STALLS. PROPOSED LOT HAS 76 PARKING STALLS.  
 EXISTING CATCH BASINS ARE BURIED AND COVERED WITH STEEL PLATES. SALVAGE PLATES AND RETURN TO OWNER.

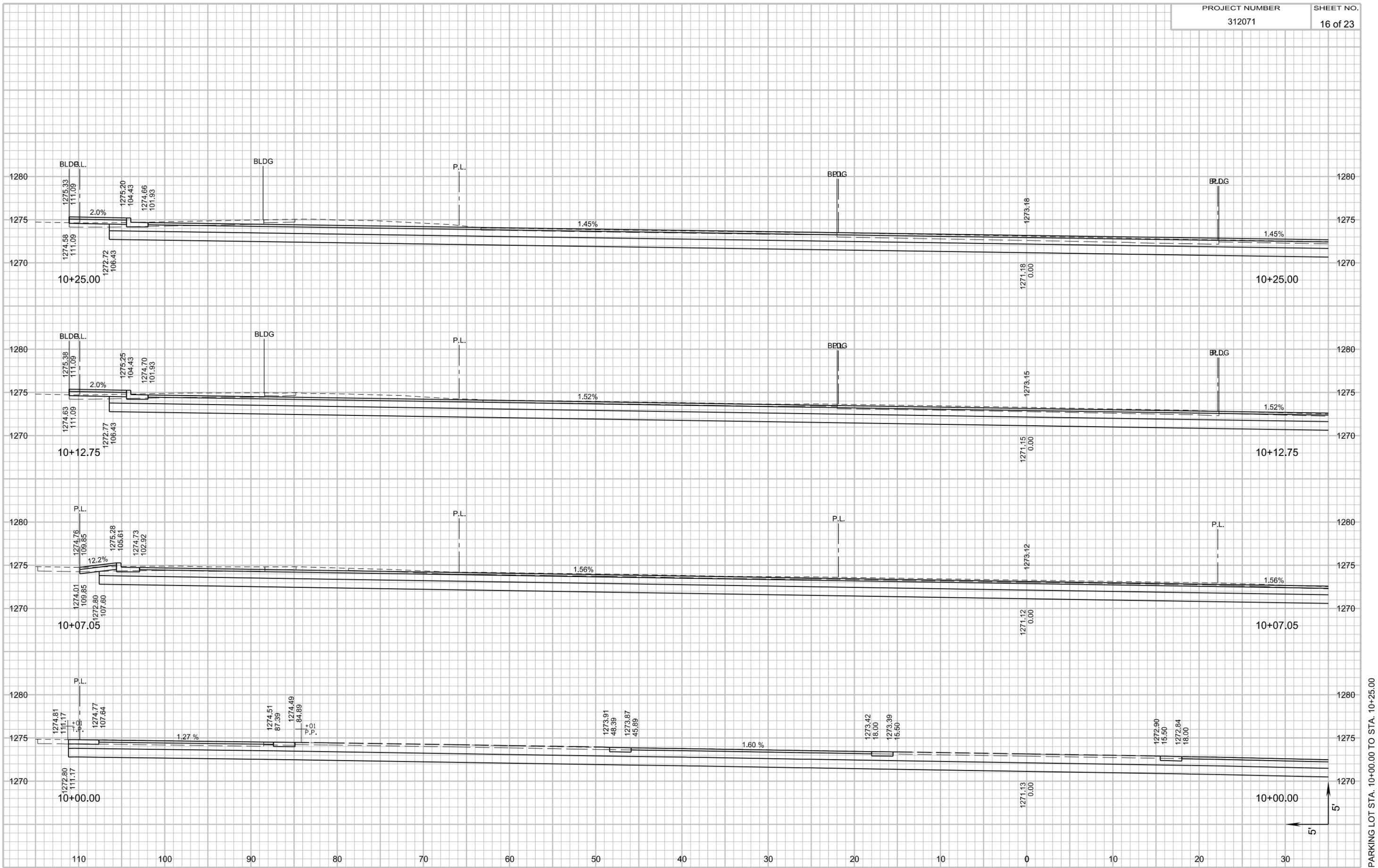
NO.	STATION	LOCATION	TYPE	DIS. EL.	T.S. EL.	RIM EL.	DEPTH	SIZE	LENGTH	SLOPE%	OUTLET EL.	INL. PROT.	REMARKS
1	11+49.1	48.9' LT	ADJUST CB-H		1270.13	1270.84						TYPE C	TYPE H CASTING REQUIRED.
2	11+52.6	11.6' RT	ADJUST CB-H		1269.34	1270.20						TYPE C	TYPE H CASTING REQUIRED.
3	11+51.0	60.2' RT	ADJUST CB-H-S		1269.02	1269.73						TYPE A, C	TYPE H-S CASTING REQUIRED.
AA	11+49 - 11+53	47' LT-10' RT	INSULATION										2" THICK - 6' WIDE - 341 SF
BB	11+51 - 11+53	13' RT-69' RT	INSULATION										2" THICK - 6' WIDE - 272 SF
CC	11+29	104' - 109' LT	INSULATION										2" THICK - 6' WIDE - 31 SF

**RADIUS POINTS (TO FACE OF CURB)**

POINT	RADIUS	STATION	OFFSET
R1	15'	10+12.75	118.93' LT
R2	3'	10+02.05	82.39' LT
R3	3'	10+02.05	50.89' LT
R4	3'	10+02.05	13.00' LT
R5	3'	10+02.05	13.00' RT
R6	3'	11+52.55	76.89' LT
R7	3'	11+52.55	47.32' LT
R8	3'	11+56.05	13.24' LT
R9	3'	11+56.05	13.24' RT
R10	3'	11+56.05	47.88' RT
R11	10'	11+49.54	50.67' RT
R12	10'	11+42.21	69.28' RT

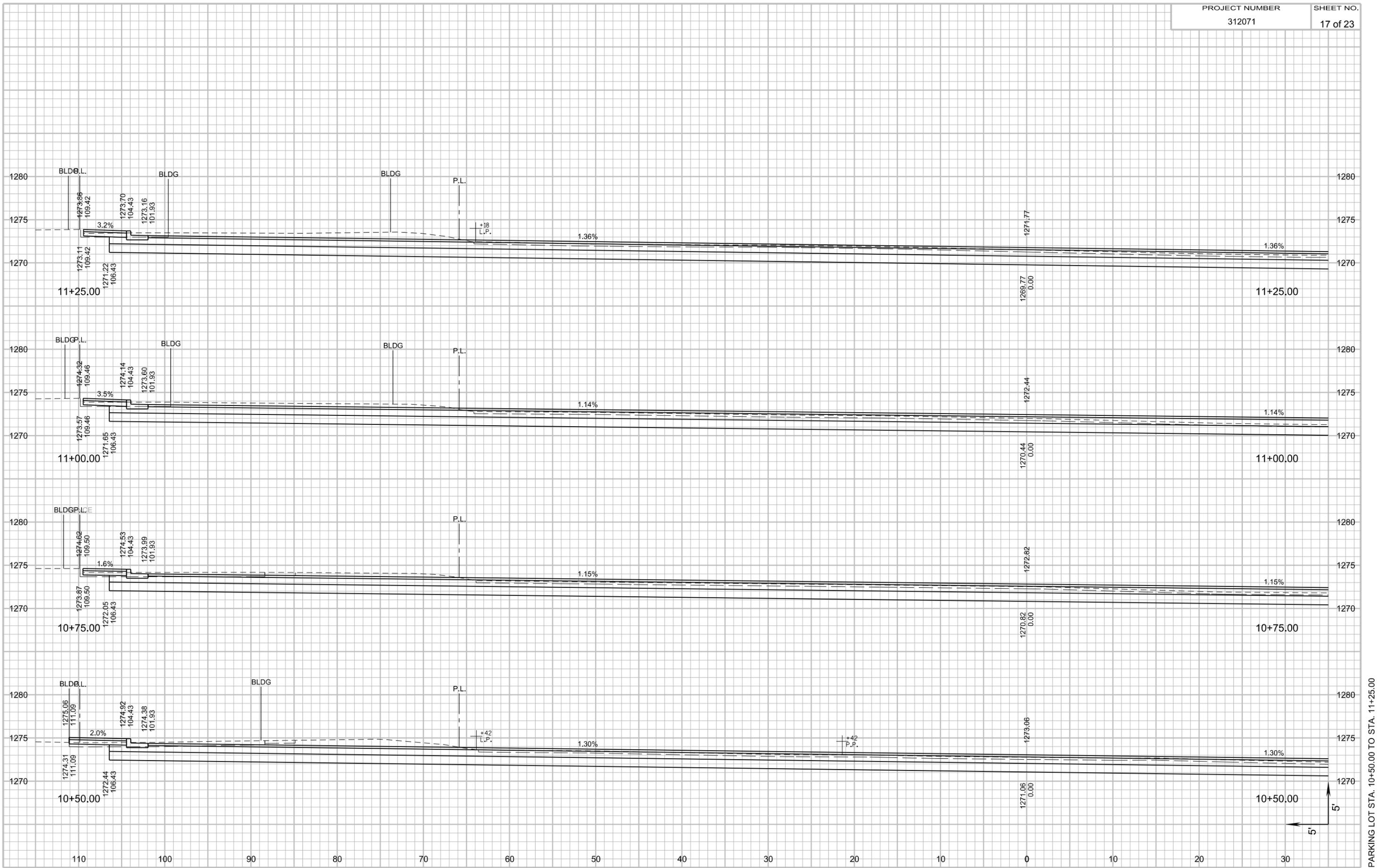
PROJ. NO. 312071  
 DEPARTMENT OF PUBLIC WORKS, ENGINEERING DIVISION  
 CITY OF MARSHFIELD, WISCONSIN  
**MUNICIPAL PARKING LOT**  
 300 BLOCK OF SOUTH MAPLE AVENUE  
 PARKING LOT RECONSTRUCTION  
 DESIGNED: JAM  
 DRAWN: JAM  
 DATE: 07/15/2016  
**8089**

PLOTTED ON: 7/29/2016 7:48:38 AM



PLOTTED ON: 7/29/2016 7:48:40 AM

PARKING LOT STA. 10+00.00 TO STA. 10+25.00

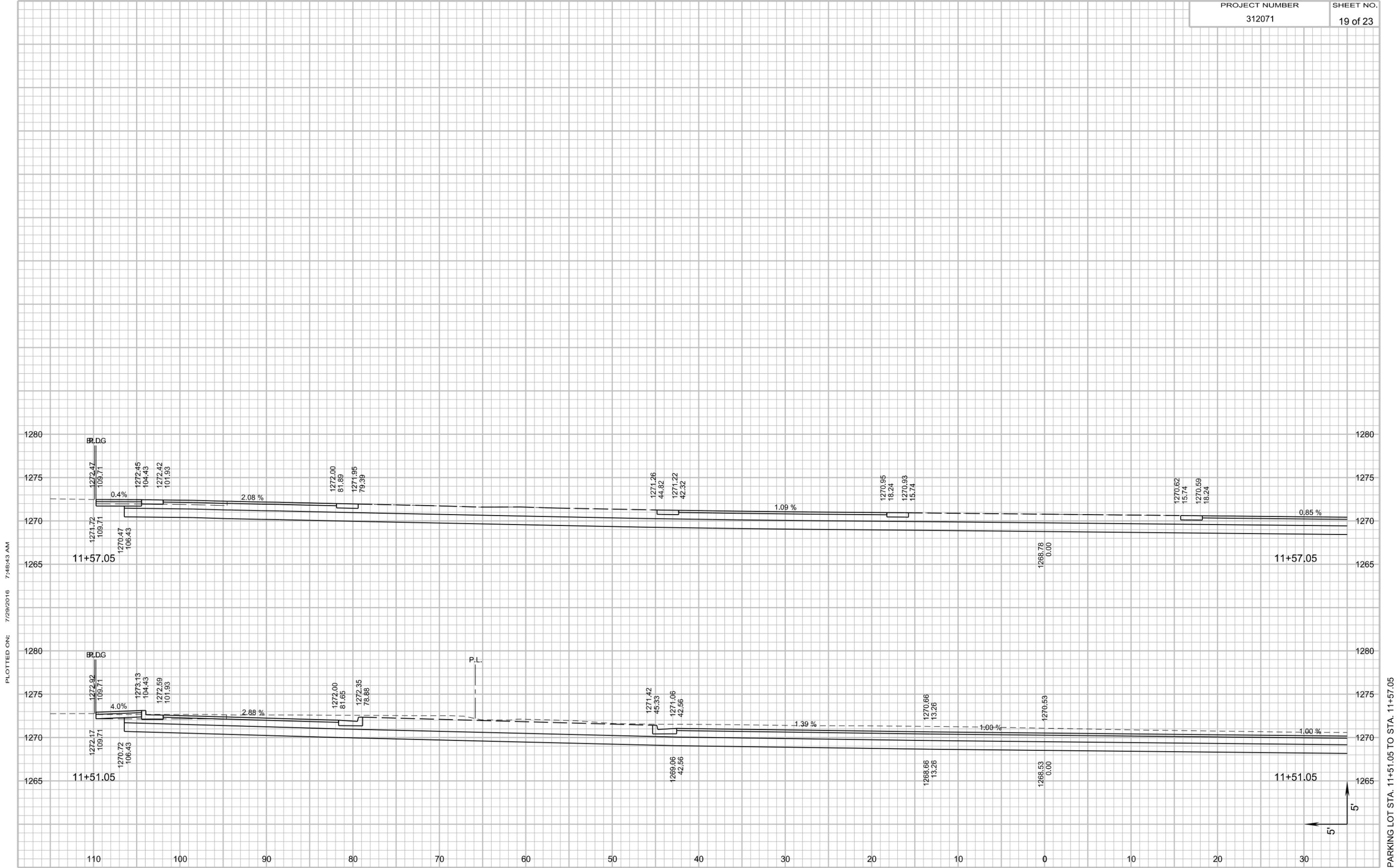


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PARKING LOT STA. 10+50.00 TO STA. 11+25.00



PROJECT NUMBER	SHEET NO.
312071	19 of 23

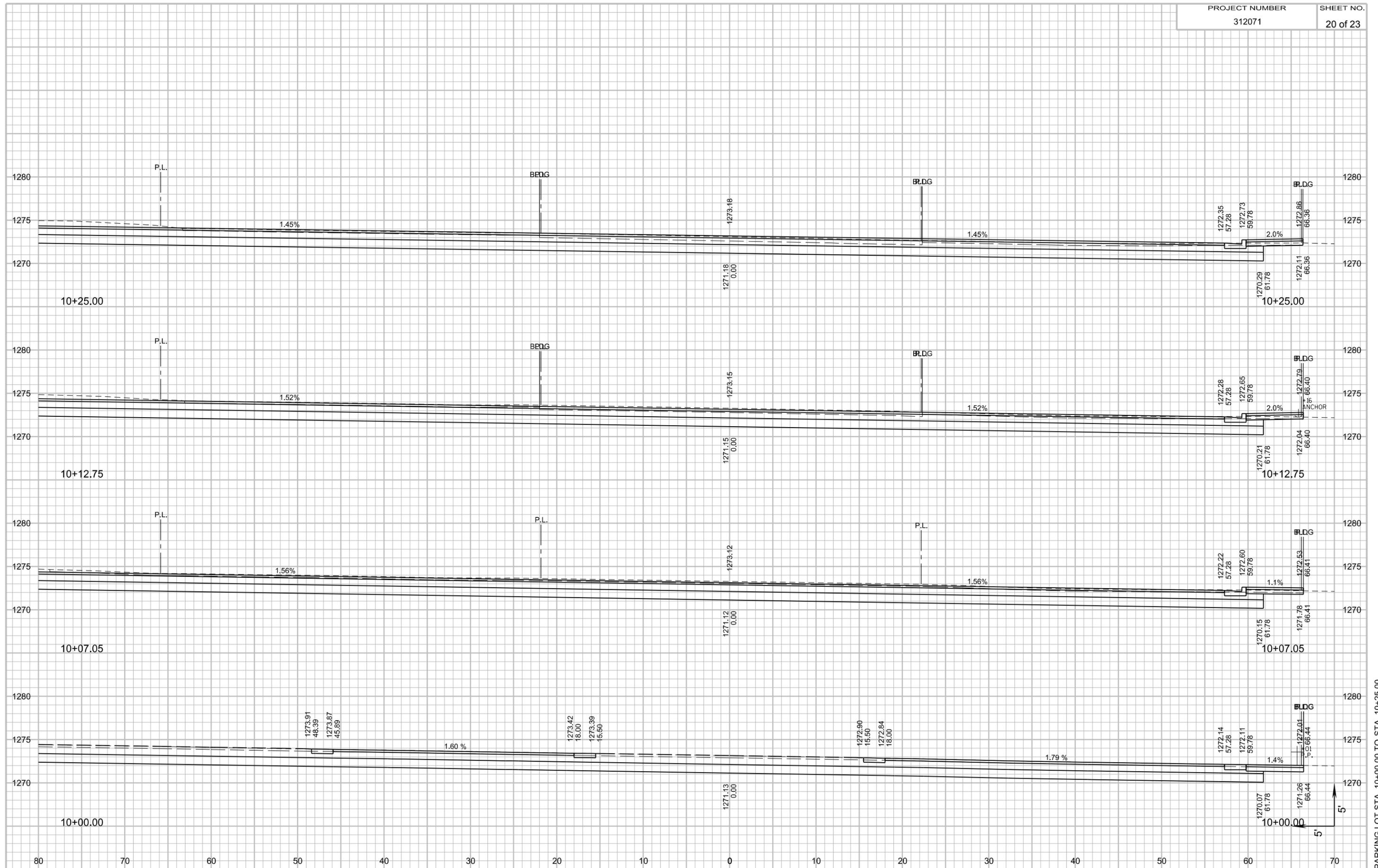


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8089-XS-L4

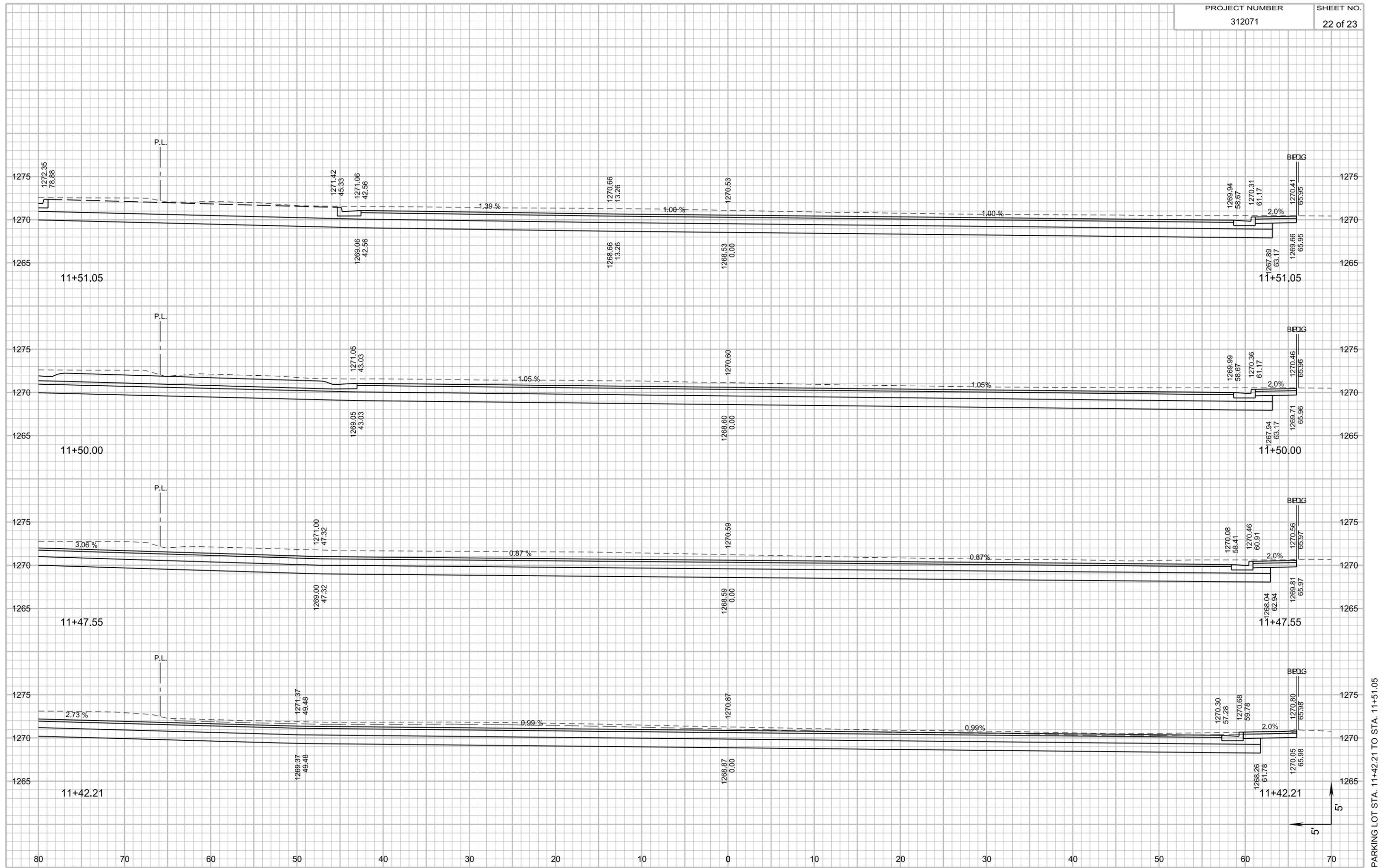
PARKING LOT STA. 11+51.05 TO STA. 11+57.05



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PARKING LOT STA. 10+00.00 TO STA. 10+25.00



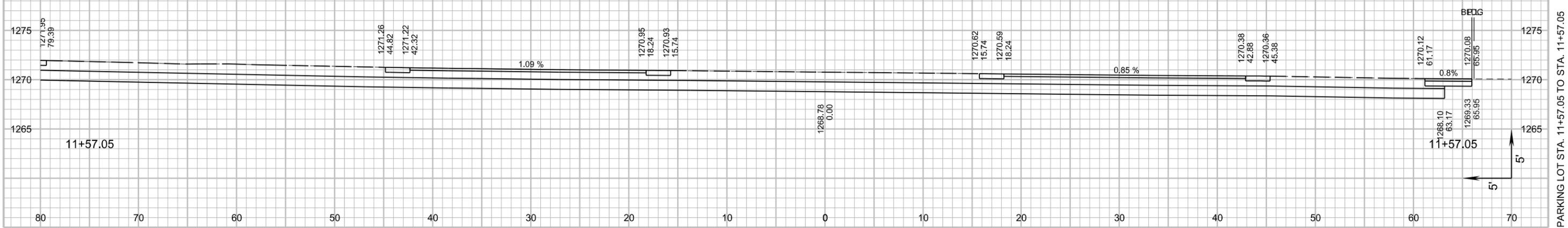


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PARKING LOT STA. 11+42.21 TO STA. 11+51.05

PROJECT NUMBER	SHEET NO.
312071	23 of 23

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8089-XS-R4

PARKING LOT STA. 11+57.05 TO STA. 11+57.05

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