## CITY OF DE PERE

# **PROJECT 21-20**

# **COMMERCE DRIVE CONCRETE PAVING**

BID DATE: FEBRUARY 11, 2021 @ 1:00 PM

Bid documents, including plans and specifications, are available for download at <a href="www.QuestCDN.com">www.QuestCDN.com</a>. The QuestCDN website can also be accessed through the City website at <a href="www.deperewi.gov/projects">www.deperewi.gov/projects</a> or by pressing the <a href="Projects">Projects</a> icon at the bottom of any City website page. Download cost is \$15 for each contract. Bidding documents may be viewed on the QuestCDN website or at the Municipal Service Center, 925 S. Sixth Street, De Pere, WI 54115.

Bid Tabs must be verified by staff prior to posting and will be available for viewing on the website within 7 days following the bid opening. Award information will be pending until approved by the Common Council.

## **SECTION 00 01 10**

## **TABLE OF CONTENTS**

## INTRODUCTORY INFORMATION

Section	Title
00 00 01	PROJECT MANUAL COVER
00 01 10	TABLE OF CONTENTS

## **PROJECT BID DOCUMENTS**

Section	Title
00 11 13	ADVERTISEMENT TO BID
00 21 13	INSTRUCTIONS TO BIDDERS
00 41 13	BID FORM
00 41 43	BID SCHEDULE
00 43 13	BID BOND
00 43 33	PROPOSED PRODUCTS FORM
00 43 36	TABULATION OF SUBCONTRACTOR

## **CONTRACTING REQUIREMENTS**

Section	Title	
00 51 00	NOTICE OF AWARD	
00 52 13	CONTRACT	
00 55 00	NOTICE TO PROCEED	
00 61 13	PAYMENT BOND	
00 61 16	PERFORMANCE BOND	
00 62 76	APPLICATION FOR PAYMENT	
00 65 16	CERTIFICATE OF SUBSTANTIAL COMPLETION	

## DIVISION 1 GENERAL REQUIREMENTS

Section	Title
01 10 00	SUMMARY OF WORK
01 22 04	MEASUREMENT AND PAYMENT STREET AND DRAINAGE CONSTRUCTION
01 22 05	MEASUREMENT AND PAYMENT SPECIAL CONSTRUCTION
01 29 00	PAYMENT PROCEDURES
01 32 33	CONSTRUCTION PHOTOGRAPHS
01 33 00	SUBMITTALS
01 41 00	REGULATORY REQUIREMENTS
01 71 23	FIELD ENGINEERING

## **CITY OF DE PERE 2020 STANDARD SPECIFICATIONS**

## **CONTRACTING REQUIREMENTS**

Section	Title
00 70 00	GENERAL CONDITIONS (See City of De Pere 2020 Standard Specifications)
DIVISION 31 –	EARTHWORK (See City of De Pere 2020 Standard Specifications)
DIVISION 32 –	<b>EXTERIOR IMPROVEMENTS</b> (See City of De Pere 2020 Standard Specifications)
DIVISION 33 –	<b>UTILITIES</b> (See City of De Pere 2020 Standard Specifications)

#### **SECTION 00 11 13**

## **JANUARY 21, 2021 – JANUARY 28, 2021**

#### **CITY OF DE PERE**

#### **ADVERTISEMENT TO BID**

#### **PROJECT 21-20**

#### COMMERCE DRIVE CONCRETE PAVING

Sealed proposals will be received by the Board of Public Works of the City of De Pere at the Municipal Service Center, 925 South Sixth Street, De Pere, Wisconsin 54115, until 1:00 PM, Thursday, February 11, 2021, at which time they will be publicly opened and read aloud. The bid opening will occur virtually. See section 00 21 13, Instructions to Bidders for additional information.

Project 21-20 for which proposals are being sought includes the following approximate quantities:

- 1,900 SY New 9-Inch Concrete Pavement with Integral Curb
- 110 SY New 8-Inch Concrete Driveway and Sidewalks
- 40 Ton Asphaltic Patching of Driveways
- 750 SY Concrete and Asphaltic Concrete Pavement Removals
- 2 Storm Sewer Inlets and Associated Appurtenances
- 1,200 SY of Landscaping Restoration

Complete digital project bidding documents are available for viewing and/or downloading at <a href="www.QuestCDN.com">www.QuestCDN.com</a> or may be examined at the office of the Director of Public Works. Digital plan documents may be downloaded for \$15 by inputting Quest project #7517994 on Quest's Project Search page. The QuestCDN website can also be accessed through the City website at <a href="www.deperewi.gov/projects">www.deperewi.gov/projects</a> or by pressing the *Projects* icon at the bottom of any City website page.

Each proposal shall be accompanied by a certified check or bid bond in an amount equal to five percent (5%) of the bid, payable to the City of De Pere, as a guarantee that if the bid is accepted, the bidder will execute a contract and furnish a contract bond as set forth in the General Conditions of the City of De Pere. In case the bidder fails to file such contract and bond, the amount of the check or bid bond shall be forfeited to the City of De Pere as liquidated damages.

The letting of the contract is subject to the provisions of the following Wisconsin Statutes:

Section 62.15 regarding Public Works.

Section 66.0901(3) regarding Prequalification of Contractor.

Each bidder shall pre-qualify by submitting proof of responsibility on forms furnished by the Director of

## **Commerce Drive Concrete Paving**

Public Works. Such forms shall be filed with the Director of Public Works no later than 4:00 PM, Monday, February 8, 2021. Prospective bidders who have previously submitted such forms subsequent to January 1, 2021 will not be required to separately submit such form for this project.

The City of De Pere reserves the right to reject any or all bids, to waive any informalities in bidding and to accept any proposal which the Common Council deems most favorable to the interest of the City of De Pere.

Dated this 21<sup>st</sup> Day of January, 2021.

Board of Public Works City of De Pere Eric Rakers, P.E. City Engineer

Project 21-20

1/21/2021 00 11 13-2 Advertisement to Bid

#### **SECTION 00 21 13**

#### INSTRUCTIONS TO BIDDERS

## ARTICLE 1 - DEFINED TERMS

1.1 Terms used in these Instructions to Bidders have the meanings indicated in the General Conditions. Additional terms used in these Instructions to Bidders have the meanings indicated below:
None

#### ARTICLE 2 – COPIES OF BIDDING DOCUMENTS

- 2.1 Complete sets of the Bidding documents in the number and for the deposit sum, if any, stated in the Advertisement to Bid may be obtained as stated in the Advertisement for bids.
- 2.2 Complete sets of Bidding Documents shall be used in preparing Bids; Owner does not assume any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.
- 2.3 Owner, in providing the Bidding Documents on the terms stated in the Advertisement for Bids, does so only for the purpose of obtaining Bids for the Work and does not confer a license or grant for any other use.

#### ARTICLE 3 - QUALIFICATIONS OF BIDDERS

3.1 In accordance with Section 66.0901(3), each bidder shall pre-qualify by submitting proof of responsibility on forms furnished by the Director of Public Works. Such forms shall be filed with the Director of Public Works as stated in the Advertisement for Bids. Prospective bidders who have previously submitted such forms after January 1<sup>st</sup> of this year will not be required to separately submit such form for this project.

## ARTICLE 4 - EXAMINATION OF BIDDING DOCUMENTS, OTHER RELATED DATA AND SITE

- 4.1 Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with Underground Facilities, and possible changes in the Bidding Documents due to differing or unanticipated conditions appear in the General Conditions.
- 4.2 Underground Facilities
  - A. Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or contiguous to the Site is based upon information and data furnished to Owner and Engineer by owners of such Underground Facilities, including Owner, or others.

## **Commerce Drive Concrete Paving**

- 4.3 Subsurface and Physical Conditions
  - A. The technical data includes:
    - 1. Those reports known to Owner of explorations and tests of subsurface conditions at or contiguous to the Site; and
    - 2. Those drawings known to Owner of physical conditions relating to existing surface or subsurface structures at the Site (except underground Facilities).
    - 3. No reports of explorations or tests of subsurface conditions at or contiguous to the Site, or drawings of physical conditions relating to existing surface or subsurface structures at the Site, are known to Owner.
  - B. Limited Reliance by Contractor on Technical Data Authorized: Contractor may rely upon the accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Contractor may not rely upon or make any claim against Owner, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors with respect to:
    - the completeness of such reports and drawings for Contractor's purposes, including but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or
    - 2. Other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or
    - 3. Any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions, or information.
- 4.4 On request, Owner will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies as Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies. Bidder shall comply with all applicable Laws and Regulations relative to excavation and utility locates.
- 4.5 Reference is made to Section 01 10 00: Summary of Work, for work that will be completed and for the identification of the general nature of other work that is to be performed at the Site by Owner or others (such as utilities and other prime contractors) that relates to the Work contemplated by these Bidding Documents. On request, Owner will provide to each Bidder for examination access to or copies of Contract Documents (other portions thereof related to price) for such other work.
- 4.6 It is the responsibility of each Bidder before submitting a Bid to:
  - A. Examine and carefully study the Bidding Documents, the other related data identified in the Bidding Documents, and any Addenda;
  - B. Visit the Site and become familiar with and satisfy Bidder as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work;

## **Commerce Drive Concrete Paving**

- C. Become familiar with and satisfy Bidder as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work;
- D. Obtain and carefully study (or accept consequences of not doing so) all examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents, and safety precautions and programs incident thereto;
- E. Agree at the time of submitting its Bid that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents;
- F. Become aware of the general nature of the work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents;
- G. Correlate the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents;
- H. Promptly give Engineer written notice of all conflicts, errors, ambiguities, or discrepancies, that bidder discovers in the Bidding Documents and confirm that the written resolution thereof by Engineer is acceptable to Bidder; and
- I. Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work.
- 4.7 The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article 4, that without exception the Bid is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and, procedures of construction that may be shown or indicated or expressly required by the Bidding Documents, that Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and the written resolutions thereof by Engineer are acceptable to Bidder, and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.

#### ARTICLE 5 - SITE AND OTHER AREAS

5.1 The Site is identified in the Bidding Documents. Easements for permanent structures or permanent changes in existing facilities are to be obtained and paid for by Owner unless otherwise provided in

1/21/2021 00 21 13-3 Instructions to Bidders

## **Commerce Drive Concrete Paving**

the Bidding Documents. All additional lands and access thereto required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work are to be obtained and paid for by Contractor.

## ARTICLE 6 – INTERPRETATIONS AND ADDENDA

- 6.1 All questions about the meaning or intent of the Bidding Documents are to be submitted to Engineer in writing. Interpretations or clarifications considered necessary by Engineer in response to such questions will be issued by Addenda mailed or delivered to all parties recorded by Engineer as having received the Bidding Documents. Questions received less than ten days prior to the date for opening of Bids may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.
- 6.2 Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by Owner and Engineer.

## ARTICLE 7 - BID SECURITY

- 7.1 A Bid shall be accompanied by Bid security made payable to Owner in an amount of five percent (5%) of Bidder's maximum Bid price and in the form of a certified check or bank money order or Bid bond (on the form attached) issued by a surety meeting the requirements of the General Conditions. Submittal of a Bid Bond on a form other than the Bid Bond form included in the Bidding Documents may be cause for rejection of Bid.
- 7.2 The Bid security of the Successful Bidder will be retained until such Bidder has executed the Contract documents, furnished the required contract security and met the other conditions of the Notice of Award, whereupon the Bid security will be returned. If the Successful Bidder fails to execute and deliver the Contract Documents and furnish the required contract security within fifteen (15) days after the Notice of Award, Owner may annul the Notice of Award and the Bid security of that Bidder will be forfeited. The Bid security of other Bidders whom Owner believes to have a reasonable chance of receiving the award may be retained by Owner per the General Conditions.
- 7.3 Bid security of other Bidders whom Owner believes do not have a reasonable chance of receiving the award will be returned within seven days after the Bid opening.

## ARTICLE 8 - CONTRACT TIMES

8.1 The number of days within which, or the dates by which, Milestones are to be achieved and the Work is to be substantially completed and ready for final payment are set forth in the Bid Form and Summary of Work.

1/21/2021 00 21 13-4 Instructions to Bidders

## **Commerce Drive Concrete Paving**

ARTICLE 9 - LIQUIDATED DAMAGES

9.1 Provisions for liquidated damages are set forth in the General Conditions.

## ARTICLE 10 – SUBSTITUTE AND "OR-EQUAL" ITEMS

10.1 The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute or "or-equal" items. Whenever it is specified or described in the Bidding Documents that a substitute or "or-equal" item of material or equipment may be furnished or used by Contractor if acceptable to Engineer, application for such acceptance will not be considered by Engineer until after the Effective Date of the Bid Form and Summary of Work.

## ARTICLE 11 – SUBCONTRACTORS, SUPPLIERS, AND OTHERS

- 11.1 The Bidder shall submit with the Bid to Owner a list of all such Subcontractors, Suppliers, individuals, or entities proposed for those portions of the Work for which such identification is required. Such list shall be accompanied by an experience statement with pertinent information regarding similar projects and other evidence of qualification for each such Subcontractor, Supplier, individual, or entity, Owner may, before the Notice of Award is given, request apparent Successful Bidder to submit a substitute, in which case apparent Successful Bidder shall submit an acceptable substitute, Bidder's Bid price will be increased (or decreased) by the difference in cost occasioned by such substitution, and Owner may consider such price adjustment in evaluating Bids and making the Contract award.
- 11.2 If apparent Successful Bidder declines to make any such substitution, Owner may award the Contract to the next lowest Bidder that proposed to use acceptable Subcontractors, Suppliers, individuals, or entities. Declining to make requested substitutions will not constitute grounds for forfeiture of the Bid security of any Bidder. Any Subcontractor, Supplier, individual, or entity so listed and against which Owner makes no written objection prior to the giving of the Notice of Award will be deemed acceptable to Owner subject to revocation of such acceptance after the Effective Date of the Agreement.
- 11.3 Contractor shall not be required to employ any Subcontractor, Supplier, individual, or entity against whom Contractor has reasonable objection.

#### ARTICLE 12 - PREPARATION OF BID

- 12.1 The Bid form is included with the Bidding documents.
- 12.2 All blanks on the Bid Form shall be completed by printing in ink or by typewrite and the Bid signed in ink. Erasures or alterations shall be initialed in ink by the person signing the Bid Form. A Bid price shall be indicated for each alternative, and unit price item listed therein, or the words "No Bid," "No Change," or "Not Applicable" entered.

1/21/2021 00 21 13-5 Instructions to Bidders

## **Commerce Drive Concrete Paving**

12.3 A Bid by a corporation shall be executed in the corporate name by the president or a vice-president or other corporate officer accompanied by evidence of authority to sign. The corporate seal shall be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporations shall be shown below the seal.

- 12.4 A Bid by a partnership shall be executed in the partnership name and signed by a partner (whose title must appear under the signature), accompanied by evidence of authority to sign. The official address of the partnership shall be shown below the signature.
- 12.5 A Bid by a limited liability company shall be executed in the name of the firm by a member and accompanied by evidence of authority to sign. The state of formation of the firm and the official address of the firm shall be shown below the signature.
- 12.6 A Bid by an individual shall show the Bidder's name and official address.
- 12.7 A Bid by a joint venture shall be executed by each joint venture in the manner indicated on the Bid Form. The official address of the joint venture shall be shown below the signature.
- 12.8 All names shall be typed or printed in ink below the signatures.
- 12.9 The Bid shall contain an acknowledgement of receipt of all Addenda, the numbers of which shall be filled in on the Bid Form.
- 12.10 The address and telephone number for communications regarding the Bid shall be shown.
- 12.11 The Bid shall contain evidence of Bidder's authority and qualification to do business in the state where the Project is located or covenant to obtain such qualification prior to award of the Contract. Bidder's state contractor license number, if any, shall also be shown on the Bid Form.

## ARTICLE 13 – BASIS OF BID; COMPARISON OF BIDS

#### 13.1 Unit Price

- A. Bidders shall submit a Bid on a unit price basis for each item of Work listed in the Bid Schedule.
- B. The total of all estimated prices will be the sum of the products of the estimated quantity of each item and the corresponding unit price. The final quantities and Contract Price will be determined in accord with the General Conditions.
- C. Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between words and figures will be resolved in favor of the words.

1/21/2021 00 21 13-6 Instructions to Bidders

## **Commerce Drive Concrete Paving**

ARTICLE 14 - SUBMITTAL OF BID

- 14.1 A Bid shall be submitted no later than date and time prescribed and at place indicated in Advertisement for Bids and shall be enclosed in a plainly marked package with the Project title (and, if applicable, designated portion of the Project for which the Bid is submitted), name and address of Bidder, and shall be accompanied by the Bid security and other required documents. If a Bid is sent by mail or other delivery system, sealed envelope containing the Bid shall be enclosed in a separate package plainly marked on outside with the notation "BID ENCLOSED." A mailed Bid shall be addressed to City of De Pere, Municipal Service Center, 925 South Sixth Street, De Pere, WI 54115. Electronically transmitted Bids will not be accepted.
- 14.2 See Bid Form for a list of documents typically required to be submitted with the Bid.
- 14.3 With the current COVID-19 restrictions, the Municipal Service Center is closed for access. In addition to mailing bids per Article 14.1, bids can be submitted via the following processes:
  - A. Drop off between 12:30 PM and 12:55 PM, February 11, 2021 at the Municipal Service Center.
  - B. For other drop off dates and times, contact 920-339-4060 to schedule an appointment.

#### ARTICLE 15 – MODIFICATION AND WITHDRAWAL OF BID

- 15.1 A Bid may be modified or withdrawn by an appropriate document duly executed in the manner that a Bid must be executed and delivered to the place where Bids are to be submitted prior to the date and time for the opening of Bids.
- 15.2 If within 24 hours after Bids are opened, any Bidder files a duly signed written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid, and the Bid security will be returned. Thereafter, if the Work is rebid, that Bidder will be disqualified from further bidding on the Work.

## ARTICLE 16 - OPENING BIDS

16.1 Bids will be opened at the time and place indicated in the Advertisement to Bids. The bid opening can be viewed live via the GoToMeeting information shown below. With the current COVID-19 restrictions, the Municipal Service Center is closed for access. An abstract of the amounts of base bids and major alternates, if any, will be made available to Bidders after opening the bids.

The bid opening can be viewed live via GoToMeeting as follows: Please join my meeting from your computer, tablet or smartphone.

https://global.gotomeeting.com/join/764092317

## **Commerce Drive Concrete Paving**

You can also dial in using your phone. (For supported devices, tap a one-touch number below to join instantly.)

United States (Toll Free): 1 866 899 4679
- One-touch: tel:+18668994679,,764092317#

United States: +1 (571) 317-3116

- One-touch: tel:+15713173116,,764092317#

Access Code: 764-092-317

New to GoToMeeting? Get the app now and be ready when your first meeting starts: https://global.gotomeeting.com/install/764092317

#### ARTICLE 17 – BIDS REMAIN SUBJECT TO ACCEPTANCE

17.1 All bids will remain subject to acceptance for the period of time stated in the General Conditions, but Owner may, in its sole discretion, release any Bid and return the Bid security prior to the end of this period.

#### ARTICLE 18 – EVALUATION OF BIDS AND AWARD OF CONTRACT

- 18.1 Owner reserves the right to reject any or all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. Owner further reserves the right to reject the Bid of any Bidder whom it finds, after reasonable inquiry and evaluation, to not be responsible. Owner may also reject the Bid of any Bidder if Owner believes that it would not be in the best interest of the Project to make an award to that Bidder. Owner also reserves the right to waive all informalities not involving price, time, or changes in the Work and to negotiate contract terms with the Successful Bidder.
- 18.2 More than one Bid for the same Work from an individual or entity under the same or different names will not be considered. Reasonable grounds for believing that any Bidder has an interest in more than one Bid for the Work may be cause for disqualification of that Bidder and the rejection of all Bids in which that Bidder has an interest.
- 18.3 In evaluating Bids, Owner will consider whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.
- 18.4 In evaluating Bidders, Owner will consider the qualifications of Bidders and may consider the qualifications and experience of Subcontractors, Supplier, and other individuals or entities proposed for those portions of the Work for which the identify of Subcontractors, Suppliers, and other individuals or entities must be submitted as provided in the Supplementary Conditions.

1/21/2021 00 21 13-8 Instructions to Bidders

## **Commerce Drive Concrete Paving**

18.5 Owner may conduct such investigations as Owner deems necessary to establish the responsibility, qualifications, and financial ability of Bidders, proposed Subcontractors, Suppliers, individuals, or entities to perform the Work in accordance with the Contract Documents.

- 18.6 Bidder agrees to waive any claim it has or may have against the Owner and the respective employees arising out of or in connection with the administration, evaluation or recommendation of any Bid.
- 18.7 If the Contract is to be awarded, Owner will award the Contract to the lowest responsible responsive Bidder whose Bid is in the best interests of the Project.

#### ARTICLE 19 - CONTRACT SECURITY AND INSURANCE

19.1 The General Conditions set forth Owner's requirements as to performance and payment bonds and insurance. When the Successful Bidder delivers the executed Agreement to Owner, it shall be accompanied by such bonds and a certificate of insurance.

#### ARTICLE 20 - SIGNING OF AGREEMENT

20.1 When Owner gives a Notice of Award to the Successful Bidder, it shall be accompanied by the required number of unsigned counterparts of the Agreement with the other Contract Documents which are identified in the Agreement as attached thereto. Within ten (10) days thereafter, Successful Bidder shall sign and deliver the required number of counterparts of the Agreement and attached documents to Owner. Within ten (10) days thereafter, Owner shall deliver one fully signed counterpart to Successful Bidder with a complete set of Drawings with appropriate identification.

**END OF SECTION** 

1/21/2021 00 21 13-9 Instructions to Bidders

#### **SECTION 00 41 13**

#### CITY OF DE PERE

#### **BID FORM**

#### **PROJECT 21-20**

This bid, submitted by the undersigned Bidder to the City of De Pere, in accordance with the Advertisement to Bid, which will be received until 1:00 PM, Thursday, February 11, 2021 is to furnish and deliver all materials, and to perform and do all work on the project designated by Friday, June 25, 2021.

Bidder has examined and carefully prepared the bid from the plans and specifications and has checked the same in detail before submitting said proposal or bid; and that said bidder or bidder's agents, officer or employees have not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged:

	Addendum No.		Addendum Date	
BASIS	OF BID:			
	Bidder will complete the Work in price(s):	accordance w	vith the Contract documents	for the following
	As stated in the attached Unit Price B	sid Schedule.		
	Unit Prices have been computed in a	ccordance with	n the General Conditions.	
	Bidder acknowledges that estimated of comparison of Bids, and final paquantities, determined as provided in	ayment for al	l Unit Price Bid items will b	

1/21/2021 00 41 13-1 Bid Form

TOTAL BID PRICE: \$\_\_\_\_\_

## **Commerce Drive Concrete Paving**

<b>ATTACHMENTS</b>	TO	THIS	BID

Required Bid Security A. Unit Price Bid Schedule (Section 00 41 43) B. C. Proposed Products Form (Section 00 43 33) (Section 00 43 36)

D. **Tabulation of Subcontractors** 

BID SUBMITTAL
This Bid is submitted by of,
The Bidder, being duly sworn, does dispose that they are an authorized representative of
Bidder, if Bidder is:
An Individual
Name (typed or printed):
Ву:
By:(Individual's signature)
Doing business as:
<u>A Partnership</u>
Partnership Name:
Ву:
(Signature of general partner – attach evidence of authority to sign)
Name (typed or printed):
A Corporation
Corporation Name:
State of Incorporation:
Type (General Business, Professional, Service, Limited Liability):

1/21/2021 00 41 13-2 **Bid Form** 

(Signature – attach evidence of authority to sign)

## **Commerce Drive Concrete Paving**

Title:	
Title:(CORPORATE SEAL)	
Attest	
Date of Qualification to do business in Wisconsin is/	
Joint Venture	
Name of Joint Venture:	
First Joint Venturer Name:	(SEAL)
Ву:	
(Signature of first joint venture partner – attach evidence of authority to	o sign)
Name (typed or printed):	
Title:	
Second Joint Venturer Name:	(SEAL)
Ву:	
(Signature of second joint venture partner – attach evidence of authorit	ty to sign)
Name (typed or printed):	
Title:	
(Each joint venturer must sign. Manner of signing for each individual, partner that is a party to joint venture should be in manner indicated above.)	• •
r's Business Address	
e No Fax No	_
e No Fax No	
	_

## **SECTION 00 41 43**

## **CITY OF DE PERE**

## **PROJECT 21-20**

## **BID SCHEDULE – UNIT PRICE**

ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT BID
STREET					
SD-01	Remove Concrete Pavement with Integral Curb	SY	125	\$	\$
SD-02	Provide 1 ¼" Crushed Aggregate Base Course	TON	250	\$	\$
SD-03	Provide 9" Concrete Pavement with Integral Curb	SY	1,650	\$	\$
SD-04	Provide 24" Integral Curb and Gutter	LF	920	\$	\$
SD-05	Provide Asphaltic Concrete Pavement Type 4 LT 58-28 S 2" Upper Layer	TON	20	\$	\$
SD-06	Provide Asphaltic Concrete Pavement Type 3 LT 58-28 S, 2" Lower Layer	TON	20	\$	\$
SD-07	Drilled Dowel Bars	EA	30	\$	\$
SD-08	Landscaping – Salvaged Topsoil, Seed, Fertilizer and Mulch	SY	600	\$	\$
SPECIAL	CONSTRUCTION				
SC-01	Inlet Protection Type D	EA	8	\$	\$
SC-02	Adjust Inlet	EA	5	\$	\$
BID TOTAL					\$

## **SECTION 00 43 13**

## **CITY OF DE PERE**

## **BID BOND**

KNOW ALL N	MEN BY THESE PRESENTS: Th	at		
as Principal,	hereinafter called Principal,	and		
•	hereinafter called Surety, a of the State of Wisconsin, as		r called City, in the amoun	
-	nereof Principal and Surety jointly and severally, firmly			
incidentals n prepared by	Principal has made a proposa necessary to complete the work the Director of Public Work nafter referred to as the BID.	ork of Project 21-20 ks of said City, whic	in accordance with drawin	ngs and specifications
contract for	EFORE, THE CONDITION OF said project and Principal nall be null and void; otherw	shall enter into a o	ontract in accordance wi	th the BID, then this
1.	The liability of Surety shal	l in no event exceed	the penalty of this bond.	
2.	-		ught or to be brought agai ithin six (6) months fro	· · · · · · · · · · · · · · · · · · ·
Signed and s	sealed this day of _		_, 20	
In the presei	nce of:			
WITNE	SS	PRINCIPAL	(SEAL)	
WITNE	SS	SURETY	(SEAL)	

## **City of De Pere**

## **SECTION 00 43 33**

## PROPOSED PRODUCTS FORM

The following is a list of material, type or model numbers and manufacturers used in the preparation of this proposal and to be used on this project:

ITEM	MATERIAL	SUPPLIER
Base Aggregate		
Concrete		
Concrete Sealant		
Tie Bars		
Reinforcement Bars		

1/21/2021 00 43 33-1 Proposed Products Form

#### **SECTION 00 43 36**

#### **TABULATION OF SUBCONTRACTORS**

The following information is submitted which gives the name, business address, and portion of work for each subcontractor that will be used in the work if the bidder is awarded the contract, and no subcontractor doing work in excess of one-half of one percent of the total amount of the bid and who is not listed will be used without the written approval of the Engineer. Additional numbered pages outlining this portion of the proposal may be attached to this page.

PORTION OF WORK	BUSINESS NAME	BUSINESS ADDRESS

1/21/2021 00 43 36-1 Tabulation of Subcontractors

#### **SECTION 00 51 00**

#### **NOTICE OF AWARD**

(Contractor)			
Contract	<mark>or Name</mark>		
( <mark>Address)</mark>			
( <mark>Address)</mark>			

Project Description: 21-20 Commerce Drive Concrete Paving

The City has considered the proposal submitted by you dated (BID DATE) for the above-described project in response to its Advertisement for Bids dated January 21, 2021 and January 28, 2021.

You are hereby notified that the Common Council of the City of De Pere has accepted your bid of (Contract Amount \$ .00).

You are required to execute the Contract and furnish the required Performance Bond, Payment Bond and Certificates of Insurance within ten (10) calendar days from the date of this notice to you.

If you fail to execute said Agreement and to furnish said bonds within ten (10) days from the date of this notice, said City will be entitled to consider all your rights arising out of the City's acceptance of your bid as abandoned and as a forfeiture of your Bid Bond. The City will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the City.

Dated this _	th day of	2021.			
			DEPART	MENT OF PUBLIC WO	ORKS
			BY: Eric P. I		
		A	CCEPTANCE (	OF NOTICE	
Receipt of t	the above NOTI	CE OF AWARD is I	hereby ackno	owledged by:	
			this the	day of	, 20_
Ву:					
Title:					

#### **SECTION 00 52 13**

#### **CONTRACT**

CONTRACT
This Contract, made and entered into this day (date to be affixed by City), by and between (Contractor Name), hereinafter called Contractor, and the City of De Pere, a municipal corporation of the State of Wisconsin, hereinafter called City.
WITNESSETH: That, in consideration of the covenants and agreements herein contained, to be performed by the parties hereto, and of the payments hereinafter agreed to be made, it is mutually agreed as follows:
ARTICLE I - SCOPE OF WORK
The Contractor shall furnish all materials and all equipment and labor necessary, and perform all work shown on the drawings and described in the specifications for the project entitled Project 21-20 Commerce Drive Concrete Paving, all in accordance with the requirements and provisions of the following documents which are hereby made a part of this Contract:
(a) Advertisement for Bids, dated January 21, 2021 and January 28, 2021.
(b) Drawings designated for Project 21-20 Commerce Drive Concrete Paving dated January 21, 2021.
(c) City of De Pere 2020 Construction Specifications.
(d) Special Provisions dated January 21, 2021.
(e) Proposal submitted by (Contractor Name) dated Bid Date.
(f) Addenda No. dated
ARTICLE II - TIME OF COMPLETION
(a) The work to be performed under the Contract shall be commenced within (number spelled out) ( calendar days after receipt of written notice to proceed. The work shall be completed within (Numbe spelled out) () calendar days) or (specific calendar dates) after receipt of Notice to Proceed.

(b) Time is of the essence with respect to the date of completion herein above stated. Failure to complete the work within the number of calendar days stated in this Article, or interim dates included in the work sequence in Section 01 10 00, Summary of Work, including any extensions granted thereto, shall entitle the City to deduct from the monies due the Contractor an amount equal to Update based on 00 70 00 - General Conditions (Page 27)(\$) per day for each calendar day of delay in the completion of the work. Such amount shall be considered and treated not as a penalty but as liquidated damages, which the City will sustain, by failure of the Contractor to complete the work within the time stated.

## **Commerce Drive Concrete Paving**

## **ARTICLE III - PAYMENT**

- (a) The Contract Sum. The City shall pay to the Contractor for the performance of the Contract the amounts determined for the total number of each of the following units of work completed at the unit price stated thereafter. The number of units contained in this schedule is approximate only, and the final payment shall be made for the actual number of units that are incorporated in or made necessary by the work covered by the Contract.
- (b) Progress Payments. The City shall make payments on account of the Contract as follows:
  - 1. On not later than the fourth Friday of every month the Contractor shall present to the City an invoice covering an estimate of the amount and proportionate value of the work done as verified by the City under each item of work that has been completed from the start of the job up to and including the fourth Friday of the preceding month, and the value of the work so completed determined in accordance with the schedule of unit prices for such items, together with such supporting evidence as may be required. This invoice shall also include an allowance for the cost of such materials and equipment required in the permanent work as have been delivered to the site but not as yet incorporated in the work.
  - 2. On not later than the third week of the following month, the City shall, after deducting previous payments made, pay to the Contractor 95% of the amount of the approved invoice, retaining 5% of the estimate of work done until 50% of the work has been completed. At 50% completion of the work, the previous retainage shall not yet be paid, but further partial payments shall be made in full to the contractor without additional retainage being taken unless the engineer certifies that the work is not proceeding satisfactorily. If the work is not proceeding satisfactorily, additional amounts may be retained. After substantial completion, an amount retained may be paid to the contractor, keeping retained only such amount as is needed for the remaining work.
  - 3. The Contractor shall notify the City in writing when all work under this Contract has been completed. Upon receipt of such notice the City shall, within a reasonable time, make the final inspection and issue a final certificate stating that the work provided for in this Contract has been completed and is accepted under the terms and conditions thereof, and that the entire balance due the Contractor as noted in said final certificate is due and payable. Before issuance of the final certificate the Contractor shall submit evidence satisfactory to the City that payrolls, material bills, and other indebtedness connected with the work under this Contract have been paid. The City shall make final payment as soon after issuance of the final certificate as practicable.

#### ARTICLE IV – CONTRACT DOCUMENTS

## (a) Contents

- 1. The Contract documents consist of the following:
  - a. This Contract (pages 00 52 13-1 to 0052-13-3, inclusive).
  - b. Payment bond (pages 00 61 13-1 to 00 61 13-2, inclusive).
  - c. Performance bond (page 00 61 16-1).
  - d. General Conditions (pages 00 70 00-1 to 00 70 00-27, inclusive).

## **Commerce Drive Concrete Paving**

	e.	Specifications as listed in the	he table of contents of the Project Manual.		
	f.		sheets with each sheet bearing the following general title:[o		
		the Drawings listed on atta			
	g. Addenda (numbers to inclusive), dated				
	<ul><li>h. Exhibits to this Agreement (enumerated as follows):</li><li>1) Contractor's Bid (pages 00 41 13-1 to 00 41 13-3, inclusive).</li></ul>				
		,	ces (Pages 00 41 43-1 to <mark>00 41 43-</mark> , inclusive).		
		3) Proposed Products For	, -		
		4) Tabulation of Subcontr	,		
			tted by Contractor prior to Notice of Award (00 51 00-1).		
	i.	The following which may b	oe delivered or issued on or after the Effective Date of the Agreemer		
		and are not attached heret			
		1) Notice to Proceed (Pag	ge 00 55 00-1).		
		2) Change Orders.			
2.		e documents listed in Par pressly noted otherwise abo	ragraph (a) Contents, are attached to this Agreement (except above).		
3.	Th	ere are no Contract Docume	ents other than those listed above in this Article IV.		
		SS WHEREOF, the parties	hereto have executed this Contract, the day and year first writte		
above	•				
	(W	/ITNESS)	(CONTRACTOR) (SEAL)		
			BY:		
	(W	/ITNESS)			
			<del></del>		
			(TITLE)		
			BY:		
			BY:		
			(TITLE)		
			CITY OF DE PERE (SEAL)		
Appro	ved	as to Form By:	(City Attorney)		
Suffici	ent	funds are available to provid	de for the payment of this obligation.		
			<del></del>		
			(COMPTROLLER)		
BY:			BY: (CITY CLERK)		
	(M	IAYOR)	(CITY CLERK)		

1/21/2021 00 52 13-3 Contract

## **SECTION 00 55 00**

## **NOTICE TO PROCEED**

Data	
Date:	
(CONTRACTOR NAME) (ADDRESS) (ADDRESS)	
PROJECT: 21-20 Commerce Drive Concrete Paving	
You are hereby notified to commence work in accordance with the CONTRACT, within ten (10) days of this Notice. All work under thi within(NUMBER IN WORDS) (#) consecutive days from the star(DATE) whichever comes first.	s contract shall be completed
Department of Public Works	
By: Eric P. Rakers, P.E. Title: City Engineer	
ACCEPTANCE OF NOTICE	
Receipt of the above NOTICE TO PROCEED is hereby acknowledged by	
, this day of Company Name	, 20
Signature	
BY: Printed Name	
TITLE:	

## **Commerce Drive Concrete Paving**

#### **SECTION 00 61 13**

#### CITY OF DE PERE

#### **PAYMENT BOND**

KNOW ALL MEN BY THESE PRESENTS: That <mark>(CONTRACTOR NAME),</mark> as F	Principal, hereinafter called Contractor, and
, as	Surety, hereinafter called Surety, are held
and firmly bound unto the City of De Pere, a municipal corporation of the	e State of Wisconsin, as Obligee, hereinafter
called the City, for the use and benefit of claimants as herein belo	w defined in the amount
(CONTRACT AMT. SPELLED OUT) (\$)	for the payment whereof Contractor and
Surety bind themselves, their heirs, executors, administrators, successors	s and assigns, jointly and severally, firmly by
these presents.	
WHEREAS, Contractor has by written agreement dated	(date to be affixed by City) entered
into a contract with City for Project 21-20, in accordance with drawings ar	nd specifications prepared by the Director of
Public Works of said City, which contract is by reference made a part h CONTRACT.	nereof, and is hereinafter referred to as the

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if Contractor shall promptly make payments to all claimants as hereinafter defined, for all labor and material used or reasonably required for use in the performance of the CONTRACT, then this obligation shall be null and void; otherwise it shall remain in full force and effect, subject, however, to the following conditions.

- 1. A claimant is defined as one having a direct contract with Contractor or with a subcontractor of Contractor for labor, material, or both, used or reasonably required for use in the performance of the contract, labor and material being construed to include that part of water, gas, power, lights, heat, oil, gasoline, telephone service, or rental of equipment directly applicable to the contract.
- 2. The above named Contractor and Surety hereby jointly and severally agree with the City that every claimant as herein defined, who has not been paid in full before the expiration of a period of ninety (90) days after the date on which the last of such claimant's work or labor was done or performed, or materials were furnished by such claimant may sue on this bond for the use of such claimant in the name of the City, prosecute the suit to final judgment for such sum or sums as may be justly due claimant, and have execution thereon, provided, however, that the City shall not be liable for the payment of any costs or expenses of any such suit.
- 3. No suit or action shall be commenced hereunder by any claimant:
  - a. Unless claimant shall have given written notice to any two of the following: The Contractor, the City, or the Surety above named, within ninety (90) days after such claimant did or performed the last of the work or labor, or furnished the last of the materials for which said claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were furnished, or for whom the work or labor was done or performed. Such notice shall be served by mailing the same by registered mail, postage prepaid, in an envelope addressed to the Contractor, City, or Surety, at any place where an office is regularly maintained for the transaction of business, or served in any manner in which legal process may be served in the State of Wisconsin, save that such service need not be made by a public officer.

## **Commerce Drive Concrete Paving**

b. After the expiration of one (1) year following the date on which Contractor ceased work on said CONTRACT.

- c. Other than in a state court of competent jurisdiction in and for the County or other political subdivision of the state in which the project, or any part thereof, is situated, or in the United States District Court for the district in which the project, or any part thereof, is situated, and not elsewhere.
- 4. The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of mechanics' liens, which may be filed or recorded against said improvement, whether or not claim for the amount of such lien be presented under and against this bond.

SIGNED AND SEALED THIS	DAY OF, 20
In Presence of:	
(WITNESS)	(CONTRACTOR)
(WITNESS)	(SURETY)

1/21/2021 00 61 13-2 Payment Bond

## **SECTION 00 61 16**

## **CITY OF DE PERE**

## **PERFORMANCE BOND**

KNOW ALL MEN BY THESE PRESENTS: That	<mark>(CONTRACTOR'S NAME),</mark> as Pri	· ·	
firmly bound unto the City of De Pere, a magnetic called City, in the amount of whereof Contractor and Surety bind themse and severally, firmly by these presents.	nunicipal corporation of the Sta	ite of Wisconsin, as Obligee, h	ereinafter payment
WHEREAS, Contractor has by written agreem a contract with the City for Project 21-20, in Public Works of said City, which contract is CONTRACT.	accordance with drawings and s	specifications prepared by the	Director of
NOW THEREFORE, THE CONDITION OF THIS perform said CONTRACT, then this obligation			•
Whenever Contractor shall be, and declare performed City's obligations there under, the			City having
1. Complete the CONTRACT in accordar	nce with its terms and condition	s or	
2. Obtain a bid or bids for submission conditions, and upon determination contract between such bidder and (default or succession of defaults paragraph) sufficient funds to pay texceeding, including other costs and forth in the first paragraph hereof, mean the total amount payable by less the amount properly paid by City	by the City and Surety of the City make available as work prounder the contract or contract he cost of completion less the damages for which the Surety The term "balance of the contracty to Contractor under the C	lowest responsible bidder, arr ogresses (even though there sl cts of completion arranged of the balance of the contract price may be liable hereunder, the a fact price" as used in this parag	ange for a nould be a under this e; but not mount set graph shall
Any suit under this bond must be institute payment under the CONTRACT falls due. No or corporation other than the owner named	right of action shall accrue on	this bond to or for the use of a	ny person
SIGNED AND SEALED THIS DAY C	DF, 20	·	
In the Presence of:			
(WITNESS)	(CONTRACTOR)	(SEAL)	
(WITNESS)	(SURETY)	(SEAL)	

1/21/2021 00 61 16-1 Performance Bond

## **SECTION 00 62 76**

## **APPLICATION FOR PAYMENT**

## **Contractor's Application for Payment No.**

	Application Period:			Application Date:	
	Owner: City of De Pere			Contractor:	
				Contractor's Project No.:	
APPLICATION F	OR PAYMENT Change Order Sumr	nary			
Approved Change	e Orders		ORIGINAL CONTRA	CT PRICE:	
Number	Additions	Deductions	<ol><li>Net change by Chang</li></ol>	e Orders and Written Amendments (+ or -):	\$0.00
			<ol><li>CURRENT CONTRA</li></ol>	CT PRICE (Line 1 plus Line 2):	\$0.00
			4. Total completed and	stored to date Column H on Progress Estimate:	\$0.00
			5. Retainage (per Agree	ment):	
			a. Work Completed - 0	Column H (95% up to 50% of Contract or 2.5% of	\$0.00
			100% of Contract)		
Total	\$	0.00 \$		TO DATE (Line 4 minus 5)	\$0.00
IET OUANGE D	V 0111110E 0BBEB			YMENTS (Line 6 from prior Application)	\$0.00
NET CHANGE B	Y CHANGE ORDERS:	<u> </u>	0.00 8. AMOUNT DUE THIS	APPLICATION (Line 6 minus Line 7)	\$0.00
The undersigned payments received nave been applied pobligations incurre	Contractor certifies that:(1) and from Owner on account of d on account to discharge Contractor connection with Work of	Work done under Contrac ntractor's legitimate overed by prior Application	ns is recommended by:	\$ (Line 8 or other - attach explanation of other amount)	(Data)
for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by the Application for Payment is in accordance with the Contract Documents and is not defective.		Payment of:  Payment of:  for  titive.	(Contractor)  \$ (Line 8 or other - attach explanation of other amount)	(Date)	
3		In.	is recommended by:		(5.1.)
Зу:		Date:		(Owner)	(Date)

## **SECTION 00 65 16**

## **CERTIFICATE OF SUBSTANTIAL COMPLETION**

Project:	
Owner:	Owner's Contract No.:
Contractor:	
This [tentative] [definitive] Certificate of Substantial Collision   ☐ All Work under the Contract Documents: ☐ The following   ☐ The fol	·
Date of Substan	ntial Completion
, ,	. The Date of Substantial completion of the Project or and is also the date of commencement of applicable
· · · · · · · · · · · · · · · · · · ·	l or corrected is attached hereto. This list may not be on such list does not alter the responsibility of the ne Contract Documents.
-	r for security, operation, safety, maintenance, heat, ed in the Contract Documents except as amended as
☐ Amended Responsibilities ☐	Not Amended
Owner's Amended Responsibilities:	
Contractor's Amended Responsibilities:	

The following documents are attached to and made part of this Certificate:	
	eptance of Work not in accordance with the Contract Documents to complete the Work in accordance with the Contract
Executed by Engineer	Date
Accepted by Contractor	 Date

**City of De Pere** 

## **Commerce Drive Concrete Paving**

#### **SECTION 01 10 00**

#### **SUMMARY OF WORK**

PART 1 - GENERAL

#### 1.1 SUMMARY

#### A. Section Includes

- References
- 2. Work Covered by the Contract Documents
- 3. Work Sequence
- 4. Use of Premises
- 5. Warranty
- 6. Work by Others
- 7. Project Utility Sources
- 8. Miscellaneous Provisions

#### 1.2 REFERENCES

- A. General Specifications. The work under this contract shall be in accordance with the City of De Pere, 2020 Construction Specifications and these Special Provisions and plans, and the latest edition of the Wisconsin Department of Transportation Standards Specifications for Highway and Structure Construction, where referenced in the City Specifications.
- B. Definitions. Any reference to the "state" or the "department" in said Standard Specifications shall mean the "City of De Pere" for the purposes of this contract.

## C. Industry Standards

- Unless the Contract Documents include more stringent requirements, applicable
  construction industry standards have the same force and effect as if bound or copied directly
  into the Contract Documents to the extent referenced. Such standards are made a part of
  the Contract Documents by reference.
- 2. Comply with standards in effect as of date of the Contract Documents, unless otherwise indicated.
- 3. If compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement.
- 4. The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of requirements.

#### **Commerce Drive Concrete Paving**

5. Each section of the specifications generally includes a list of reference standards normally referred to in that respective section. The purpose of this list is to furnish the Contractor with a list of standards normally used for outlining the quality control desired on the project. The lists are not intended to be complete or all inclusive, but only a general reference of standards that are regularly referred to.

6. Each entity engaged in construction on the Project shall be familiar with industry standards applicable to its construction activity. Copies of applicable standards are not bound with the Contract Documents. Where copies of standards are needed to perform a required construction activity, obtain copies directly from the publication source and make them available on request.

#### 1.3 WORK COVERED BY THE CONTRACT DOCUMENTS

## A. Project Identification

- 1. Project Location
  - a. Commerce Drive from 2,300 feet south of Heritage Road to 2,875 feet south of Heritage Road.
- 2. Work will be performed under the following prime contract:
  - a. Project 21-20 Commerce Drive Concrete Paving

#### B. The Work includes:

- 1. Storm sewer and associated appurtenance construction.
- 2. Concrete curb and gutter slip form and hand poured gaps.
- 3. Concrete pavement, driveway aprons and sidewalk removal and repairs.
- 4. Remove asphaltic concrete and concrete pavement.
- 5. Asphaltic concrete paving.
- 6. Landscape restoration.
- 7. Erosion control.
- 8. Traffic control.

## 1.4 WORK SEQUENCE

- A. Paving shall be completed in three phases as shown on page C403 in the plan set:
  - 1. Eastern half of Commerce Drive, excluding a 30-foot gap to provide access to building construction at 1899 Commerce Drive.
  - 2. Once Phase 1 is cured and drivable per specifications, pour the 30-foot gap at 1899 Commerce Drive.
  - 3. Western half of commerce drive.
- B. Conduct construction activities to maintain access to businesses throughout construction.

  Ramps shall be constructed using 1 ¼ Crushed Aggregate Base course to provide access between concrete paving phases.
  - 1. 1895 Commerce Drive

## **Commerce Drive Concrete Paving**

a. The existing cul-de-sac and driveway will remain open to traffic for entry into 1895 Commerce Drive and for semi-trucks to turn around.

#### 2. 1899 Commerce Drive

- a. Building construction at this property will occur concurrently to this project. Vehicles leaving this property will need to yield to oncoming traffic prior to entering the right-of-way per the traffic control plan.
- b. Commerce Drive will operate as a one lane, two-way road vehicles yielding to oncoming traffic prior to entering the work zone.
- c. The driveway apron and sidewalk section to this property will be constructed by others. The concrete pavement will be poured in two phases abutting the future driveway location such that a minimum of 30 foot access is provided entering this property.
- C. All work shall be completed by Friday, June 25, 2021.

#### 1.5 USE OF PREMISES

- A. Contractor shall have full use of the premises for construction operations, including use of the Project Site, as allowed by law, ordinances, permits, easement agreements and the Contract documents.
- B. Contractor's use of premises is limited only by Owner's right to perform work or to retain other contractors on portions of the Project.
- C. The Project Site is limited to property boundaries, rights-of-way, easements, and other areas designated in the Contract Documents.
- D. Provide protection and safekeeping of material and products stored on or off the premises.
- E. Move any stored material or products which interfere with operations of Owner or other Contractors.

#### 1.6 WARRANTY

- A. The Contractor warrants and guarantees to the City that all work shall be in accordance with the Contract Documents and will not be defective. Prompt notice of all defects will be given to the Contractor. All defective work, whether or not in place, may be rejected, corrected or accepted as provided in this proposal.
- B. If within one (1) year after the date of contract work completion or such longer period of time as may be prescribed by law or by the terms of any applicable special guarantee required by the Contract Documents or by a special provision of the Contract Documents, any work is found to be defective, the Contractor shall comply in accordance with the City's written instructions. These written instructions will include either correcting such defective work or, if it has been rejected by the City, removing it from the site and replacing it with non-defective work. If the

#### **Commerce Drive Concrete Paving**

Contractor does not promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk or loss or damage, the City may have the defective work corrected or the rejected work removed and replaced. All direct and indirect costs of correction or removal and replacement of defective work, including compensation for additional professional services, shall be paid by the Contractor.

#### 1.7 WORK BY OTHERS

- A. Owner has awarded a separate contract for performance of certain construction operations which will be conducted at the Project Site simultaneously with work under this Contract. This Contract includes the following:
  - 1. Project 21-14 Commerce Drive Utility and Street Extension. Extending Commerce Drive south to Rockland Road.
- B. Street lighting will be installed by others under Project 21-14 Commerce Drive Utility and Street Extension.
- C. The development at 1899 Commerce Drive will have building and utility construction work concurrent to this project.
- D. Cooperate fully with separate contractors and/or Owner so work by others may be carried out smoothly, without interfering with or delaying work under this Contract.

#### 1.8 PROJECT UTILITY SOURCES

- A. Green Bay Metropolitan Sewer District (NEW Water), Lisa Sarau, (<a href="mailto:lsarau@newwater.us">lsarau@newwater.us</a>) (920-438-1039)
- B. AT&T, Shea Gorzelanczyk, (sg2528@att.com) (920-433-4250)
- C. Wisconsin Public Service, Bob Laskowski, (<a href="mailto:rtlaskowski@wisconsinpublicservice.com">rtlaskowski@wisconsinpublicservice.com</a>) (920-617-2775)
- D. Charter, Vince Albin, (vince.albin@charter.com) (920-378-0444)
- E. Nsight, Rick Vincent, (<u>rick.vincent@nsight.com</u>) (920-617-7316)
- F. TDS Metrocom, Steve Jakubiec, (<a href="mailto:steve.jakubiec@tdstelecom.com">steve.jakubiec@tdstelecom.com</a>) (920-882-4166)
- G. Net-Lec (Mi-Tech Services), Dennis Lafave, (dlafave@mi-tech.us) (920-619-9774)
- H. CenturyLink, Relocation Team, (nationalrelo@centurylink.com) (800-871-9244)

#### **Commerce Drive Concrete Paving**

Central Brown County Water Authority, Rob Michaelson, (<u>rmichaelson@mpu.org</u>) (920-686-4354)

#### 1.9 MISCELLANEOUS PROVISIONS

- A. Notify 1895 and 1899 Commerce Drive a minimum of two-weeks prior to the start of work giving an estimated time that vehicle movement will be limited. Access shall be maintained to both of these properties throughout the duration of work. Provide the City a copy of the business notice once distributed.
- B. Maintain garbage pickup and mail service throughout construction.
- C. No work is to occur on Memorial Day, Monday, May 31.
- D. The City has a large, salvaged topsoil stockpile to the south of this site that can be used for topsoil restoration on this project. The Engineer will stake a route for truck access to the stockpile to eliminate nearby wetland damage.

PART 2 - PRODUCTS

PART 3 – EXECUTION

**END OF SECTION** 

1/21/2021 01 10 00-5 Summary of Work

## SECTION 01 22 04

#### MEASUREMENT AND PAYMENT STREET AND DRAINAGE CONSTRUCTION

PART 1 - GENERAL

#### 1.1 SUMMARY

A.	A. Section includes:		<u>Bid Item No.</u>	
	1.	Remove Pavement	SD-01	
	2.	Crushed Aggregate Base and Surface Course	SD-02	
	3.	Portland Cement Concrete Pavement	SD-03	
	4.	Portland Cement Concrete Curb and Gutter	SD-04	
	5.	Asphaltic Concrete Pavement	SD-05 & SD-06	
	6.	Drilling Dowel Bars	SD-07	
	7.	Landscaping – Topsoil, Seed, Fertilizer and Mulch	SD-08	

#### B. Unit Prices include:

- Defined work for each Unit Price Item which will provide a functionally complete Project
  when combined with all unit price items. If there are specific work items which the
  Contractor believes are not identified in any Unit Price Item, but is required to provide a
  functionally complete Project, then the identified specific work items shall be included in the
  appropriate Unit Price Item.
- 2. The method of measurement for payment.
- 3. The price per unit for payment.

#### 1.2 GENERAL WORK ITEMS

- A. Include with the appropriate Unit Price Item the following work items which are common to the Unit Price Items for street and drainage systems.
- B. If there is a specific Unit Price Item for any of the following items, then the work item shall be included with that specific unit price item.
  - 1. Traffic Control.
  - 2. Sawcutting asphalt and/or concrete.
  - 3. Removal, hauling and disposal of surface materials including road pavement, curb and gutter, sidewalk, driveways and other pavement surfaces in the trench area and as shown on the drawings.
  - 4. Maintenance, protection, replacement and/or repair of facilities not designated for alteration on the Site.
  - 5. Site access requirements including temporary aggregate material as required for local traffic access.
  - 6. Dust control.
  - 7. Remove and replace existing mailboxes and traffic signs.

#### **Commerce Drive Concrete Paving**

- 8. Restroom facilities.
- 9. Construction staking and other survey work not provided by the Engineer.
- 10. Regulatory requirements.
- 11. Quality assurance and quality control testing and inspections.
- 12. Final casting and valve box adjustment.
- 13. Shop drawings and other submittals.

#### 1.3 REMOVE PAVEMENT

- A. The unit price for Remove Pavement work includes:
  - 1. General Work Items of Article 1.2.
  - 2. Sawcutting, breaking, and removal of existing asphaltic concrete pavement or concrete pavement over designated project limits.
  - 3. Sawcutting to protect adjacent roadway surfaces.
- B. Measurement of payment will be the average horizontal width and length of the removed pavement areas.
- C. The unit of measurement for payment is square yard.

#### 1.4 CRUSHED AGGREGATE BASE AND SURFACE COURSE

- A. The unit price for Crushed Aggregate Base and Surface Course work includes:
  - 1. General Work Items of Article 1.2.
  - 2. Aggregate material.
  - 3. Preparation of foundation.
  - 4. Placing and compacting to thickness and width shown on the Drawings or specified elsewhere.
  - 5. Maintenance until surface pavement is constructed.
  - 6. Preparation of crushed aggregate base for paving.
  - 7. Adjustment of manholes and valve boxes to proposed finish road grade.
- B. Measurement of payment will be the actual amount of material required and incorporated in the work verified by submitting to the Engineer delivery tickets provided with each load showing the weight measured on a certified scale, type of material, the date delivered and the project name. Aggregates in excess of seven percent (7%) total moisture determined based on the dry mass of the aggregates will have moisture content in excess of seven percent (7%) deducted from the measured weight.
- C. The unit of measurement for payment is tons.

#### 1.5 PORTLAND CEMENT CONCRETE PAVEMENT

A. The unit price for Portland Cement Concrete Pavement work includes:

#### Project 21-20

#### **Commerce Drive Concrete Paving**

- 1. General Work Items of Article 1.2.
- 2. Furnish all labor, tools, equipment and services.
- 3. Providing Portland cement concrete mixture of thickness shown in the drawings or specified elsewhere.
- 4. Surface preparation.
- 5. Providing reinforcement including tie bars and dowel bars.
- 6. Drilling tie bars and dowel bars into existing pavement.
- 7. Joint sealing.
- 8. Providing curing.
- 9. Concrete sealing with linseed oil.
- 10. Fine grading of subgrade.
- 11. Providing expansion joints and contraction joints.
- 12. Adjustment of manholes, water valves, inlets/catch basin and other structures to finish grade.
- 13. Finishing.
- 14. Protection.
- B. Measurement for payment will be length and width of areas paved. Concrete curb and gutter will be measured separately, regardless if the curb is installed with integral curb. Curb and gutter will be paid per linear foot for twenty-four (24) inch width. The width and length will be subtracted from the concrete pavement area if integral curb is constructed.
- C. The unit of measurement for payment is square yard.

#### 1.6 PORTLAND CEMENT CONCRETE CURB AND GUTTER

- A. The unit price for Portland Cement Concrete Curb and Gutter work includes:
  - 1. General Work Items of Article 1.2.
  - 2. Providing Portland cement concrete mixture of size shown in the drawings or specified elsewhere.
  - 3. Providing expansion joints.
  - 4. Providing curing.
  - 5. Existing curb and gutter removal.
  - 6. Subgrade preparation.
  - 7. Provide crushed aggregate base.
  - 8. Fine grading of subgrade.
  - 9. Providing contraction joints.
  - 10. Driveway entrances and handicap ramp entrances.
  - 11. Adjustment of catch basin/inlets.
  - 12. Finishing.
  - 13. Protection.
  - 14. Restoration behind the curb.

## Project 21-20

#### **Commerce Drive Concrete Paving**

- B. Measurement for payment will be along the flow line of the gutter and through inlets/catch basins.
- C. The unit of measurement for payment is linear feet.

#### 1.7 ASPHALTIC CONCRETE PAVEMENT

- A. The unit price for Asphaltic Concrete Pavement work includes:
  - 1. General Work Items of Article 1.2.
  - 2. Asphaltic concrete mixture, tack coat and other required materials
  - 3. Surface preparation.
  - 4. Provide tack coat on base material.
  - 5. Saw cutting and/or mill adjacent and abutting pavement surfaces.
  - 6. Asphaltic concrete placement and compaction to thickness and width shown on the drawings or specified elsewhere.
  - 7. Tack coat between asphaltic concrete courses and abutting pavements.
- B. Measurement for payment will be the actual amount of material required and incorporated in the work verified by submitting to the Engineer delivery tickets provided with each load showing the weight measured on a certified scale, type of material, the date delivered and the project name.
- C. The Unit Price shall be adjusted for deficiencies for less than minimum density represented by the average lot density of five nuclear density tests of 750 tons of asphaltic concrete placed as shown in the following table:

Density Deficiency-Percent of Unit Price for Payment					
%Lot Density Below					
Specified Minimum	WisDOT Mixes				
From 0.5-1.0 inclusive	98%				
From 1.1-1.5 inclusive	95%				
From 1.6-2.0 inclusive	91%				
From 2.1-2.5 inclusive	85%				
From 2.6-3.0 inclusive	70%				
More than 3.0	0%				

D. The unit of measurement for payment is tons.

#### 1.8 DRILLING DOWEL BARS

- A. The unit price for Drilling Dowel Bars work includes:
  - 1. General Work Items of Article 1.2.
  - 2. Providing and installing tie bars, including coating.
  - 3. For drilling holes in concrete not placed under the contract.

#### **Commerce Drive Concrete Paving**

- 4. For epoxying or driving.
- B. Measurement for payment will be the actual number of bars installed.
  - 1. This item applies to concrete curb and gutter, sidewalk, and driveway where matching into existing pavements.
- C. The unit of measurement for payment is each.
- 1.9 LANDSCAPING SALVAGED TOPSOIL, SEED, FERTILIZE AND MULCH
  - A. The unit price for Landscaping Salvaged Topsoil, Seed, Fertilize, and Mulch work includes:
    - 1. General Work Items of Article 1.2.
    - 2. Excavate, load, haul, and place salvaged topsoil from stockpile to the south of the project.
    - 3. Provide seed.
    - 4. Provide fertilizer.
    - 5. Provide mulch.
    - 6. Provide maintenance.
  - B. Measurement for payment will be the width and length of restoration over pavement removal areas and areas within two-feet of new curb and gutter or pavement installation where required to set form or string lines.
  - C. The unit of measurement for payment is square yard.

**END OF SECTION** 

#### **SECTION 01 22 05**

#### MEASUREMENT AND PAYMENT SPECIAL CONSTRUCTION

PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section includes: Bid Item No.

1. Inlet Protection Erosion Control

SC-01

2. Adjust Structure Frame and Casting

SC-02

#### B. Unit Prices include:

- Defined work for each Unit Price Item which will provide a functionally complete Project when combined with all unit price items. If there are specific work items which the Contractor believes are not identified in any Unit Price Item, but is required to provide a functionally complete Project, then the identified specific work items shall be included in the appropriate Unit Price Item.
- 2. The method of measurement for payment.
- 3. The price per unit for payment.

#### 1.2 GENERAL WORK ITEMS

- A. Include with the appropriate Unit Price Item the following work items which are common to the Unit Price Items for special construction.
- B. If there is a specific Unit Price Item for any of the following items, then the work item shall be included with that specific unit price item.
  - 1. Traffic Control.
  - 2. Loading, hauling and disposing of surplus material.
  - 3. Maintenance, protection, replacement and/or repair of facilities not designated for alteration on the Site beyond the limits identified.
  - 4. Dust control.
  - 5. Restroom facilities.
  - 6. Construction staking and other survey work not provided by the Engineer.
  - 7. Regulatory requirements.
  - 8. Quality assurance and quality control testing and inspections.
  - 9. Shop drawings and other submittals.

#### 1.3 INLET PROTECTION EROSION CONTROL

- A. The unit price for Inlet Protection Erosion Control work includes:
  - General Work Items of Article 1.2.
  - 2. Provide geotextile and wood materials for type shown on the Drawings.

#### **Commerce Drive Concrete Paving**

- 3. Placing inlet protection system.
- 4. Inspection and maintenance of the installed inlet protection.
- 5. Removal of the inlet protection.
- 6. Cleaning debris buildup around inlet.
- B. Measurement for payment will be actual number of inlet protection erosion control installed.
- C. The unit of measurement for payment is each.

#### 1.4 ADJUST STRUCTURE FRAME CASTING

- A. The unit price for Adjust Structure Frame Casting work includes:
  - 1. General Work Items of Article 1.2.
  - 2. Removal of the casting and existing adjusting rings from the structure as required.
  - 3. Providing concrete adjusting rings and a 2 inch rubber riser ring from the WisDOT approved product list.
  - 4. Bituminous plastic cement sealing the exterior of the adjusting rings and casting.
  - 5. The ring will be secured to the precast section with a 3 ½ inch wide Kent Seal or equal.
  - 6. Above the concrete ring attach  $\frac{1}{4}$  inch thru 3 inch thick ring using two  $\frac{5}{16}$  inch bead above and below the ring of sealant type as recommended by the rubber manufacturer.
  - 7. Providing casting frame and lid.
  - 8. Initial and final adjustment.
  - 9. Backfilling and compacting.
- B. Measurement for payment will be the actual number of structure frame casting adjusted.
- C. The unit of measurement for payment is each.

**END OF SECTION** 

#### **SECTION 01 29 00**

#### **PAYMENT PROCEDURES**

PART 1 - GENERAL

#### 1.1 SUMMARY

#### A. This section includes:

1. Administrative and procedural requirements necessary to prepare and process Applications for Payment.

#### 1.2 SCHEDULE OF VALUES

A. Unit Price work will be the Schedule of Values used as the basis for reviewing Applications for Payment.

#### 1.3 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment shall be consistent with previous applications and payments as recommended by the Engineer and approved by Owner.
- B. The date for each progress payment should be the 3rd Wednesday of each month. The period covered by each Application for Payment starts on the day following the end of the preceding period and ends the 4<sup>th</sup> Friday of the Month.
- C. Use forms provided by Engineer for Applications for Payment. Sample copy of the Application for Payment and Continuation Sheet is included in Section 00 62 76.

#### D. Application Preparation Procedures

- 1. When requested by the Contractor, the Engineer will determine the actual quantities and classifications of Unit Price Work performed.
  - a. Preliminary determinations will be reviewed with the Contractor before completing Application for Payment.
  - b. Engineer will complete the Application for Payment based on Engineer's decision on actual quantities and classifications.
  - c. Engineer will submit three original copies of Application for Payment to Contractor for certification of all three original copies.
  - d. Contractor shall submit signed Application for payment to Owner for approval within time frame agreed to at the Preconstruction Conference.
- 2. If payment is requested for materials and equipment not incorporated in the Work, then the following shall be submitted with the Application for Payment:
  - a. Evidence that materials and equipment are suitably stored at the site or at another location agreed to in writing.

1/21/2021 01 29 00-1 Payment Procedures

#### **Commerce Drive Concrete Paving**

b. A bill of sale, invoice, or other documentation warranting that the materials and equipment are free and clear of all liens.

- c. Evidence that the materials and equipment are covered by property insurance.
- 3. Complete every entry on form. Execute by a person authorized to sign legal documents on behalf of Contractor.
- E. With each Application for Payment, submit waivers of liens from subcontractors and suppliers for the construction period covered by the previous application.
  - 1. Submit partial waivers on each item for amount requested before deduction for retainage on each item.
  - 2. When an application shows completion for an item, submit final or full waivers.
  - 3. Owner reserves the right to designate which entities involved in the Work shall submit waivers.
  - 4. Submit final Application for Payment with or preceded by final waivers from every entity involved with performance of the Work covered by the application.
  - 5. Submit waivers of lien on forms executed in a manner acceptable to Owner.
- F. The following administrative actions and submittals shall precede or coincide with submittal of first Application for Payment:
  - 1. List of subcontractors.
  - 2. Schedule of Values (For Lump Sum Work).
  - 3. Contractor's construction schedule.
- G. Submit final Application for Payment with releases and supporting documentation not previously submitted and accepted including, but not limited, to the following:
  - 1. Evidence of completion of Project closeout requirements.
  - 2. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
  - 3. Updated final statement, accounting for final changes to the Contract Sum.
  - 4. Consent of Surety to Final Payment.
  - 5. Final lien waivers as evidence that claims have been settled.
  - 6. Final liquidated damages settlement statement.

PART 2 - PRODUCTS

PART 3 - EXECUTION

**END OF SECTION** 

1/21/2021 01 29 00-2 Payment Procedures

#### **SECTION 01 32 33**

#### CONSTRUCTION PHOTOGRAPHS

PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
  - 1. Photographs for utility construction sites.

#### 1.2 SUBMITTALS

A. Submit electronic files of each photographic view within seven (7) days of taking photographs.

#### 1.3 QUALITY ASSURANCE

A. Photographs are to be submitted to the Engineer for approval prior to the start of construction.

PART 2 - PRODUCTS

PART 3 - EXECUTION

#### 3.1 UTILITY AND STREET CONSTRUCTION SITES

- A. Prior to start of construction provide sufficient photographs to adequately show the existing facilities and conditions within and adjacent to the construction Site to serve as a guide for final restoration including:
  - 1. Roads including shoulders and/or curb and gutter.
  - 2. Sidewalks, parking areas, and driveways.
  - 3. Utility structures.
  - 4. Landscaping including signs, plantings, walls, fences, trees, shrubbery, etc.
  - 5. Mailboxes.
  - 6. Drainage facilities including culverts, inlets, ditches.
  - 7. Building structures.
- B. During construction provide sufficient photographs (a minimum of one per 100 feet of installed utility) to adequately show construction means, methods, and Site conditions including:
  - 1. Crossings of other utilities.
  - 2. Exposure of existing structures.
  - 3. Soil conditions.

#### **END OF SECTION**

1/21/2021 01 32 33-1 Construction Photographs

#### **SECTION 01 33 00**

#### **SUBMITTALS**

PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section includes administrative and procedural requirements for submittals:
  - 1. Progress Schedule.
  - 2. Schedule of Shop Drawings and Sample Submittals.
  - 3. Shop Drawings.
- B. Failure to meet Submittal requirements to the satisfaction of the Engineer will constitute unsatisfactory performance of the work in accordance with the Contract Documents, therefore, the Engineer may recommend to the Owner that all or a portion of payments requested during the corresponding pay period be withheld until these requirements are met.

#### 1.2 SUBMITTAL PROCEDURES

- A. Coordination: Transmit each submittal sufficiently in advance of performance of related construction activities to avoid delay.
  - 1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
  - 2. Coordinate transmittal of different types of submittals for related elements of the work so processing will not be delayed by the need to review submittals concurrently for coordination.
    - a. The Engineer reserves the right to withhold action on a submittal requiring coordination with other submittals until all related submittals are received.
  - 3. To avoid the need to delay installation as a result of the time required to process submittals, allow sufficient time for submittal review, including time for re-submittals.
    - a. Allow two weeks for initial submittal.
    - b. Allow two weeks for reprocessing each submittal.
    - c. No extension of Contract Time will be authorized because of failure to transmit submittals to the Engineer sufficiently in advance of the work to permit processing.
- B. Submittal Preparation: Place a permanent label or title block on each submittal for identification. Indicate the name of the entity that prepared each submittal on the label or title block.
  - 1. Assign a reference number to each submittal and re-submittal.
  - 2. Provide a space approximately four (4) by five (5) inches (100 by 125 mm) on the label or beside the title block on Shop Drawings to record the Contractor's review and approval markings and the action taken.
  - 3. Include the following information on the label for processing and recording action taken.

#### **Commerce Drive Concrete Paving**

- a. Project name.
- b. Date.
- c. Name and address of the Engineer.
- d. Name and address of the Contractor.
- e. Name and address of the subcontractor.
- f. Name and address of the supplier.
- g. Name of the manufacturer.
- h. Number and title of appropriate Specification Section.
- i. Drawing number and detail references, as appropriate.
- 4. Each submittal shall be stamped by the Contractor indicating that submittal was reviewed for conformance with the Contract Documents. The Engineer will not accept unstamped submittals.
- C. Submittal Transmittal: Package each submittal appropriately for transmittal and handling.

  Transmit each submittal to the Engineer. The Engineer will not accept submittals received from sources other than the Contractor.
  - On the transmittal, record relevant information and requests for Engineer action. On a form, or separate sheet, record deviations from Contract Document requirements, including variations, limitations, and justifications. Include Contractor's certification that information complies with Contract Document requirements.

#### 1.3 CONTRACTOR'S PROGRESS SCHEDULE

- A. Prepare and submit to the Engineer within 10 (ten) days after the Effective Date of the Agreement, four copies of a preliminary progress schedule of the work activities from Notice to Proceed until Substantial Completion.
  - Provide sufficient detail of the work activities comprising the schedule to assure adequate
    planning and execution of the work, such that in the judgment of the Engineer, it provides an
    appropriate basis for monitoring and evaluation of the progress of the work. A work activity
    is defined as an activity which requires substantial time and resources (manpower,
    equipment, and/or material) to complete and must be performed before the contract is
    considered complete.
  - 2. The schedule shall indicate the sequence of work activities. Identify each activity with a description, start date, completion date and duration. Include, but do not limit to the following items, as appropriate to this contract:
    - a. Shop drawing review by the Engineer.
    - b. Excavation and grading.
    - c. Asphalt and concrete placement sequence.
    - d. Restoration.
    - e. Construction of various segments of utilities.
    - f. Subcontractor's items of work.
    - g. Allowance for inclement weather.
    - h. Contract interfaces, date of Substantial Completion.
    - i. Interfacing and sequencing with existing facilities and utilities.

#### **Commerce Drive Concrete Paving**

- j. Sequencing of major construction activities.
- k. Milestones and completion dates.
- B. Distribution: Following response to the initial submittal, print and distribute copies of the revised construction schedule to the Engineer, Subcontractors, and other parties required to comply with scheduled dates. When revisions are made, distribute to the same parties. Delete parties from distribution when they have completed their assigned portion of the work and are no longer involved in construction activities.
- C. Schedule Updating: Revise the schedule after each meeting, event, or activity where revisions have been recognized or made. Issue the updated schedule concurrently with the report of each meeting.
- D. Punch List: Prepare and submit to the Engineer within ten (10) days after substantial completion a detailed progress schedule for outstanding work and punch list items.

#### 1.4 SCHEDULE OF SHOP DRAWINGS AND SAMPLE SUBMITTALS

- A. Submit four (4) hard copies or electronic copies of preliminary submittal schedule in accordance with the General Conditions of the Contract and as follows:
  - 1. Coordinate submittal schedule with the subcontractors, Schedule of Values, and of products as well as the Contractor's Progress Schedule.
  - 2. Prepare the schedule in chronological order. Provide the following information:
    - a. Scheduled date for the first submittal.
    - b. Related Section number.
    - c. Submittal category (Shop Drawings, Product Data, or Samples).
    - d. Name of the subcontractor.
    - e. Description of the part of the work covered.
    - f. Scheduled date for the Engineer's final release or approval.
- B. Distribution: Following response to the initial submittal, print and distribute copies of the revised construction schedule to the Engineer, Subcontractors, and other parties required to comply with scheduled dates. Post copies in the field office. When revisions are made, distribute to the same parties. Delete parties from distribution when they have completed their assigned portion of the work and are no longer involved in construction activities.
- C. Schedule Updating: Revise the schedule after each meeting or activity where revisions have been recognized or made. Issue the updated schedule concurrently with the report of each meeting.

#### 1.5 SHOP DRAWINGS

A. Submit newly prepared information drawn accurately to scale. Highlight, encircle, or otherwise indicate deviations from the Contract Documents. Do not reproduce Contract Documents or

#### **Commerce Drive Concrete Paving**

copy standard information as the basis of Shop Drawings. Standard information prepared without specific reference to the Project is not a Shop Drawing.

- B. Collect product data into a single submittal for each element of construction of system. Product data includes printed information, such as manufacturer's installation instructions, catalog cuts, standard color charts, roughing-in diagrams and templates, standard wiring diagrams, and performance curves.
  - 1. Mark each copy to show actual product to be provided. Where printed Product Data includes information on several products that are not required, mark copies to indicate the applicable information. Include the following information:
    - a. Manufacturer's printed recommendations.
    - b. Compliance with trade association standards.
    - c. Compliance with recognized testing agency standards.
    - d. Application of testing agency labels and seals.
    - e. Notation of dimensions verified by field measurement.
    - f. Notation of coordination requirements.
- C. Do not use shop drawings without an appropriate final stamp indicating action taken.
- D. Submittals: Submit four (4) copies of each required submittal. The Engineer will retain two (2) copies, and return the others to the Contractor marked with action taken and corrections or modifications required.
- E. Distribution: Furnish copies of reviewed submittal to installers, subcontractors, suppliers, manufacturers, fabricators, and others required for performance of construction activities. Show distribution on transmittal forms. Maintain one copy at the project site for reference.
  - 1. Do not proceed with installation until a copy of the Shop drawing is in the Installer's possession.
  - 2. Do not permit use of unmarked copies of the Shop Drawing in connection with construction.

#### 1.6 ENGINEER'S ACTION

- A. Except for submittals for the record or information, where action and return is required, the Engineer will review each submittal, mark to indicate action taken, and return promptly. The Engineer will stamp each submittal with a uniform action stamp. The Engineer will mark the stamp appropriately to indicate the action taken, as follows:
  - "No Exceptions Taken": The work covered by the submittal may proceed provided it complies with notations or corrections on the submittal and requirements of the Contract Documents.
  - 2. "Make Corrections Noted": The work covered by the submittal may proceed provided it complies with notations or corrections on the submittal and requirements of the Contract Documents.

#### **Commerce Drive Concrete Paving**

3. "Amend and Resubmit": Do not proceed with work covered by the submittal. Resubmit without delay. Do not use, or allow others to use, submittals marked "Amend and Resubmit" at the Project Site or elsewhere where work is in progress.

- 4. "Rejected See Remarks": Do not proceed with work covered by the submittal. Resubmit without delay. Do not use, or allow others to use, submittals marked "Rejected and Resubmit" at the Project Site or elsewhere where work is in progress.
- B. Unsolicited Submittals: The Engineer will return unsolicited submittals to the sender without action.

PART 2 – PRODUCTS

PART 3 – EXECUTION

**END OF SECTION** 

1/21/2021 01 33 00-5 Submittals

#### **SECTION 01 41 00**

#### **REGULATORY REQUIREMENTS**

PART 1 – GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
  - 1. Underground Utilities.
  - 2. Property Monuments.
  - 3. Traffic Control.

#### 1.2 UNDERGROUND UTILITIES

A. Under the provisions of Wisconsin Statutes, Section 182.0175, all contractors, subcontractors, and any firm or individual intending to do work on this Contract shall contact all utility firms in the affected area of construction a minimum of three (3) working days prior to beginning construction so that affected utilities will be located and marked.

#### 1.3 PROPERTY MONUMENTS

- A. Protect iron pipe monuments from movement.
- B. The cost of replacement of any monuments moved or destroyed during construction shall be the Contractor's responsibility.
- C. Perpetuation of destroyed or moved monuments shall be performed in accordance with state statutes by a registered land surveyor.

#### 1.4 TRAFFIC CONTROL

- A. Provide traffic control facilities including barricades, signs, lights, warning devices, pavement markings, flaggers, etc.
- B. Construct and use traffic control facilities in accordance with the U.S. D. O. T. Federal Highway Administration's Manual on Uniform Traffic Control Devices for Streets and Highways.
- C. Maintain traffic control devices as required to properly safeguard the public travel through final completion, including during periods of suspension of work.

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION (Not used)

**END OF SECTION** 

1/21/2021 01 41 00-1 Regulatory Requirements

#### **Commerce Drive Concrete Paving**

#### **SECTION 01 71 23**

#### FIELD ENGINEERING

PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
  - 1. Engineering Surveys Provided by the Engineer.
  - 2. Engineering Surveys Provided by the Contractor.

#### 1.2 SUBMITTALS

A. None

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION

#### 3.1 PREPARATION

- A. Investigate and verify the existence and location of site improvements, utilities, and other existing facilities.
- B. Before construction, verity the location of invert elevations at points of connection of sanitary sewer, storm sewer, water piping and underground electrical services.
- C. Furnish information to the Engineer and the appropriate utility regarding conflicts that are necessary to adjust, move, or relocate existing utility structures, utility poles, lines, services, or other utility appurtenances located in or affected by construction.
- D. Provide the Engineer two (2) working days advance notification when ready for engineering surveys for construction to be provided by the Engineer.

#### 3.2 ENGINEERING SURVEYS TO BE PROVIDE BY THE ENGINEER

#### A. General

- 1. Establish benchmarks for construction as shown on the drawings.
- 2. Establish control points as shown on the drawings.
- B. Gravity Sewer Systems and Water Distribution Systems
  - 1. Provide construction reference stakes set for pipe construction location at critical changes in horizontal and vertical alignment.

#### **Commerce Drive Concrete Paving**

2. Provide construction stakes for location of pipe at connections.

#### C. New Road Construction

- 1. Provide construction slope intercept stakes for horizontal and vertical alignment on each side of the road base on each cross section in the cross section sheets for requests received at least seventy-two (72) hours before the related work begins.
- 2. Provide construction reference stakes for subgrade at a minimum of fifty (50) foot intervals and maximum of one-hundred (100) foot intervals on tangents. Provide construction reference stakes for subgrade at twenty-five (25) foot intervals within vertical and horizontal curves. Provide a reference line stake at each location.
- 3. Provide construction reference stakes for top of crushed aggregate at a minimum of fifty (50) foot intervals and maximum of one-hundred (100) foot intervals on tangents. Provide construction reference stakes for top of crushed aggregate at twenty-five (25) foot intervals within vertical and horizontal curves. Provide a reference or centerline stake.

#### 3.3 ENGINEERING SURVEYS TO BE PROVIDED BY THE CONTRACTOR

#### A. General

- 1. Locate, preserve and protect established construction reference stakes, benchmarks and control points.
- 2. Locate, preserve and protect property corners and section corner monuments. If moved or destroyed due to Contractor negligence, then replace in accordance with state requirements; some of which are referenced in the "Regulatory Requirements".
- 3. Provide additional construction staking as necessary to complete construction based on the construction reference stakes provided by the Engineer and the Drawings.
- 4. Before beginning with necessary construction staking, verify the information shown on the Drawings, in relation to the established construction reference stakes, bench marks, control points and property corners. Notify the Engineer of any discrepancies.
- 5. Remove construction reference stakes when directed by the Engineer.

#### B. Gravity Sewer Systems and Water Distribution Systems

- 1. Provide any intermediate construction reference points as required to verify installation at the line and grade established and locate appurtenant structures.
- 2. Check the line and grade with construction reference stakes at each pipe length.

#### C. New Road Construction

1. Provide additional construction reference stakes necessary to establish location and grade in accordance with the plans.

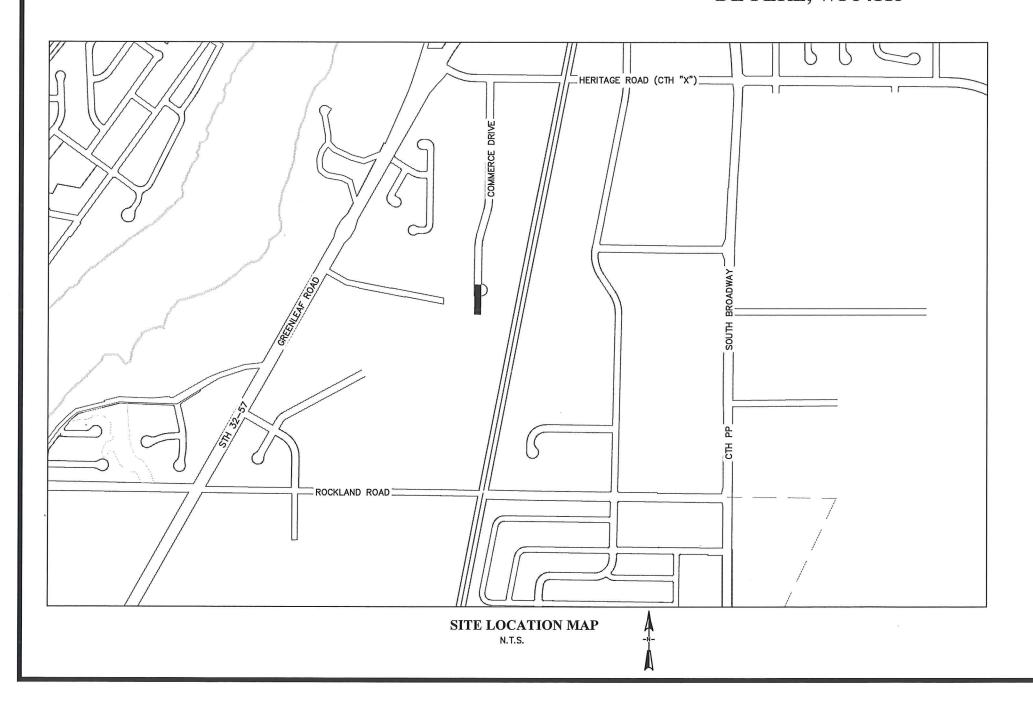
**END OF SECTION** 

# PROJECT# 21-20 COMMERCE DRIVE CONCRETE PAVING

CITY OF DE PERE



ENGINEER DIVISION 925 S. SIXTH ST DE PERE, WI 54115



SHEET NO.	DESCRIPTION						
G001 TITLE SHEET							
G002	STANDARD ABBREVIATION & SYMBOLS						
G003	TYPICAL SECTIONS						
101 - C102	STREET PLAN & PROFILE SHEETS						
301 - C304	CROSS SECTIONS						
C401	ALIGNMENT AND BENCH MARKS						
C402	EROSION CONTROL						
C403	STAGING PLAN						
404 -C406	TRAFFIC CONTROL PLAN						
501 - C505	CONSTRUCTION DETAILS						
	CITY OF DE PERE						
	BOARD OF PUBLIC WORKS						
1/21/ DATE	2021 E.P. Raken						
1/22/2	CITY ENGINEER						
1/20/2	Il Man / / / / MAD						
DATE	CITY ADMINISTRATOR						
1/22/241 J-J- Bryd							
DATE MAYOR V							
STAMPS:							
	Secretary of the second						
	BUSCONSIN V						
ERIC P.							
* RAKERS F-30929							
GREEN BAY,							
WIN							
W. S. C. A. S. E.							
W. STONALE S							
Morrison							
	1/21/-						
	PAGE G001						

#### LIST OF STANDARD ABBREVIATIONS AVERAGE DAILY TRAFFIC NORTHBOUND ASPH **ASPHALT** NORMAL CROWN BACK TO BACK NORTHEAST NUMBER RARR BARRICADE BACK OF CURB BASELINE 0&C BI DG BUILDING OBLITERATE BENCHMARK OD PC PCC OUTSIDE DIAMETER BACK OF SIDEWALK POINT OF CURVATURE BASEMENT POINT OF COMPOUND CURVE PORTLAND CEMENT CONCRETE Č&G CURB AND GUTTER PED **PEDESTAL** CENTER TO CENTER PERMANENT LIMITED EASEMENT CRUSHED AGGREGATE BASE COURSE PLE PVMT **PAVEMENT** PRIVATE ENTRANCE CONSTRUCTION ENTRANCE CE PI PJF POINT OF INTERSECTION CAST IRON PIPE PRE-FORMED JOINT FILLER CENTERLINE PROPERTY LINE CORRUGATED METAL PIPE POC POT PP COUNTY POINT ON TANGENT CLEANOUT POLYFTHYLENE CONCRETE PRC POINT OF REVERSE CURVATURE CONSTRUCTION CONSTR CONSTRUCTION JOINT PROP CONTROL POINT POUND PER SQUARE INCH PSI PT CTH COUNTY TRUNK HIGHWAY POINT OF TANGENCY CONTROL JOINT PVC POLYVINYL CHLORIDE CTV CABLE TV CUBIC YARD RCP REINFORCED CONCRETE PIPE RFRAR REINFORCEMENT BAR RELOCATE REL DUCTILE IRON PIPE REMAINING DISCH DISCHARGE REQD REQUIRED DRIVEWAY REFERENCE LINE RL ROW EAST (SEE ELEC BELOW) RIGHT OF WAY EXCAVATION BELOW SUBGRADE EXTERNAL CHIMNEY SEAL RAILROAD FCS RETAINING WALL ELEC ELECTRIC (E WHEN USED IN LINE STYLE) SALVAGE EMBANKMENT SAN SANITARY **ENTR** ENTRANCE SOUTHBOUND EDGE OF PAVEMENT SIDEWALK **ENDWALL** SOUTHEAST **EXCAVATION** SQUARE FEET EXISTING SHLDR SHOULDER SY SS SQUARE YARD FACE TO FACE STORM SEWER FOUNDATION STOPPING SIGHT DISTANCE SSD STA FIELD ENTRANCE STATION STD **STANDARD** FINISHED GRADE STH STATE HIGHWAY TRUNK FLOWLINE STM FIBER OPTIC SEWAGE TREATMENT PLANT FRONT OF SIDEWALK STRUCT STRUCTURE OR STRUCTURAL FOOT FTG FOOTING TAN TANGENT TOWN (T WHEN USED FOR TELEPHONE LINE) GAS VALVE TELEPHONE TEMP TEMPORARY HIGH DENSITY POLYETHYLENE HDPF TLE TOC TEMPORARY LIMITED EASEMENT HANDICAP RAMP TOW TRANS TOP OF WATER HEIGHT TRANSITION HYD HYDRANT TYPICAL INTERSECTION ANGLE UNDERGROUND ics INTERNAL CHIMNEY SEAL USH US HIGHWAY INSIDE DIAMETER VERTICAL CURVE VC VER1 INI FT VOL VPC VOLUME INTERSECTION VERTICAL POINT OF CURVATURE VPI VERTICAL POINT OF INTERSECTION IRON PIPE OR PIN VERTICAL POINT OF REVERSE CURVE JCT JUNCTION VERTICAL POINT OF TANGENCY LENGTH (OF CURVE) LONG CHORD OF CURVE WESTBOUND LIFT STATION OR LUMP SUM WATER SHUTOFF VALVE WTP WATER TREATMENT PLANT MAINT MAINTENANCE wv WATER VALVE WASTE WATER TREATMENT PLANT MAILBOX мн MANHOLE MARKER POST CITY OF DE PERE

#### MAPPING & TOPOGRAPHY SYMBOLOGY DESCRIPTION SYMBOL EXISTING PROPOSED **BENCHMARK BUSH** $\blacksquare$ CATCH BASIN CABLE TV BOX CTV $\triangle$ CONTROL POINT E ELECTRICAL BOX EROSION CONTROL - INELT FIELD INLET GAS VALVE G∨ HEDGE **HYDRANT** X IRON PIPE 0 LIGHTPOLE $\dot{\mathbf{x}}$ MAILBOX MB MANHOLE ELECTRIC (E) MANHOLE SANITARY SS SS MANHOLE STORM (ST) ST MONTORING WELL MW POWER POLE 0 LIGHT POLE \* SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE 4-0 SIGNAL HEAD, TRAFFIC SIGNAL POLE. TRANSFORMER BASE **(e)** TELEPHONE MANHOLE TEL TELEPHONE PEDESTAL TREE WELL WATER SERVICE VALVE $\bigcirc$ 08 BUTTERFLY WATER VALVE

### **GENERAL CONSTRUCTION NOTES:**

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8

1. ALL ELEVATIONS ARE REFERENCED TO NAVD 88.

WATER VALVE

- 2. THE WORK UNDER THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE CITY OF DE PERE, CURRENT CONSTRUCTION SPECIFICATIONS AND THESE SPECIAL PROVISIONS AND PLANS, AND THE LATEST ADDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARDS SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION SPECIFICATIONS, LATEST EDITION, WHERE REFERENCED IN THE CITY SPECIFICATIONS
- ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION AND SHALL CONFIRM TO THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES CONSTRUCTION SITE EROSION CONTROL AND TECHNICAL STANDARDS.
- 4. EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES. WHETHER SHOWN OR NOT, FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITIES OWNERS SHALL BE NOTIFIED BY THE CONTRACTOR 72 HOURS PRIOR TO EXCAVATION.

#### MAPPING & TOPOGRAPHY SYMBOLOGY

DESCRIPTION	SYMBOL
PLAN	
EXISTING SANITARY SEWER LINE	(SIZE AND MATERIAL)  ———————————————————————————————————
PROPOSED SANITARY SEWER LINE	100'-8" PVC SAN ———— San
EXISTING STORM SEWER LINE	(SIZE AND MATERIAL)
PROPOSED STORM SEWER LINE	100'-8" PVC STM ST
EXISTING WATER MAIN LINE	(SIZE AND MATERIAL)
PROPOSED WATER MAIN LINE	100'-8" PVC WM (TEE-BEND
EXISTING ELECTRICAL LINE	— Е —
EXISTING GAS MAIN LINE	G
EXISTING TELEPHONE LINE	т
EXISTING CABLE TV LINE	TV
EXISTING SANITARY LATERAL	San
EXISTING WATER SERVICE	W
RIGHT OF WAY	ROW
PROPERTY LINE	———— PL ———
EASEMENT	— Esm ——— Esm ——
SILT FENCE EROSION CONTROL	
EXISTING FIBER OPTIC	FO
EXISTING MAJOR CONTOUR	615
EXISTING MINOR CONTOUR	612
PROPOSED MAJOR CONTOUR	<del></del> 615 <del></del>
PROPOSED MINOR CONTOUR	612 —
PROFI	LE
EXISTING SANITARY SEWER LINE	(SIZE AND MATERIAL)
EXISTING SANITARY SEMEN LINE	
PROPOSED SANITARY SEWER LINE	100'-8" PVC SAN @ 0.40%
EXISTING STORM SEWER LINE	(SIZE AND MATERIAL)
PROPOSED STORM SEWER LINE	100'-8" PVC STM @ 1.0%
EXISTING WATER MAIN LINE	(SIZE AND MATERIAL)
PROPOSED WATER MAIN LINE	PROPOSE 8" PVC WM

#### PATCH SYMBOLS

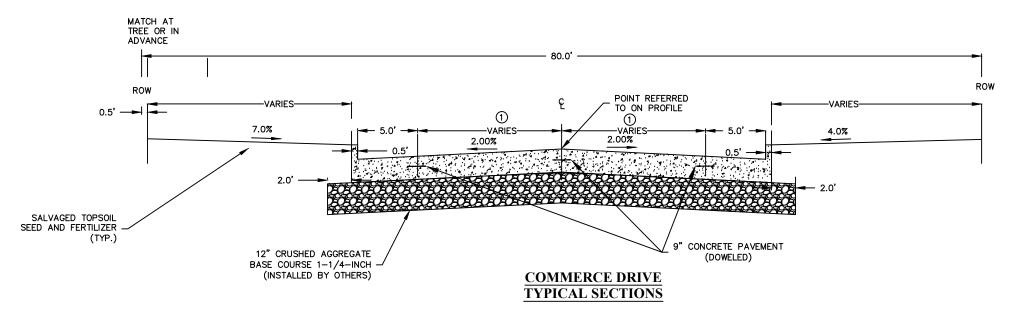
ASPHALTIC CONCRETE PAVEMENT CRUSHED AGGREGATE BASE COURSE

PORTLAND CEMENT CONCRETE



ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4060 FAX 920-339-4071 STANDARD ABBREVIATIONS AND SYMBOLS

NAME: COMMERCE DRIVE		BY	DATE	NO.	DATE	REVISIONS	/ ISSUES REMARKS	PAGE
CONCRETE PAVING	SURVEYED							NO.
PROJECT #	DRAWN	SRL	01-2021					G002
21–20	DESIGNED	SRL	01-2021					GUUZ
<u> </u>	CHECKED	CKK	01-2021					



	LEFT LANE WIDTH	LEFT LANE WIDTH STATION	
1	12.0'	STA 49+25 TO 53+12.8	12.0'
	12.0'-16.6'	STA 53+12.8 TO 53+85.8	12.0'-14.2'

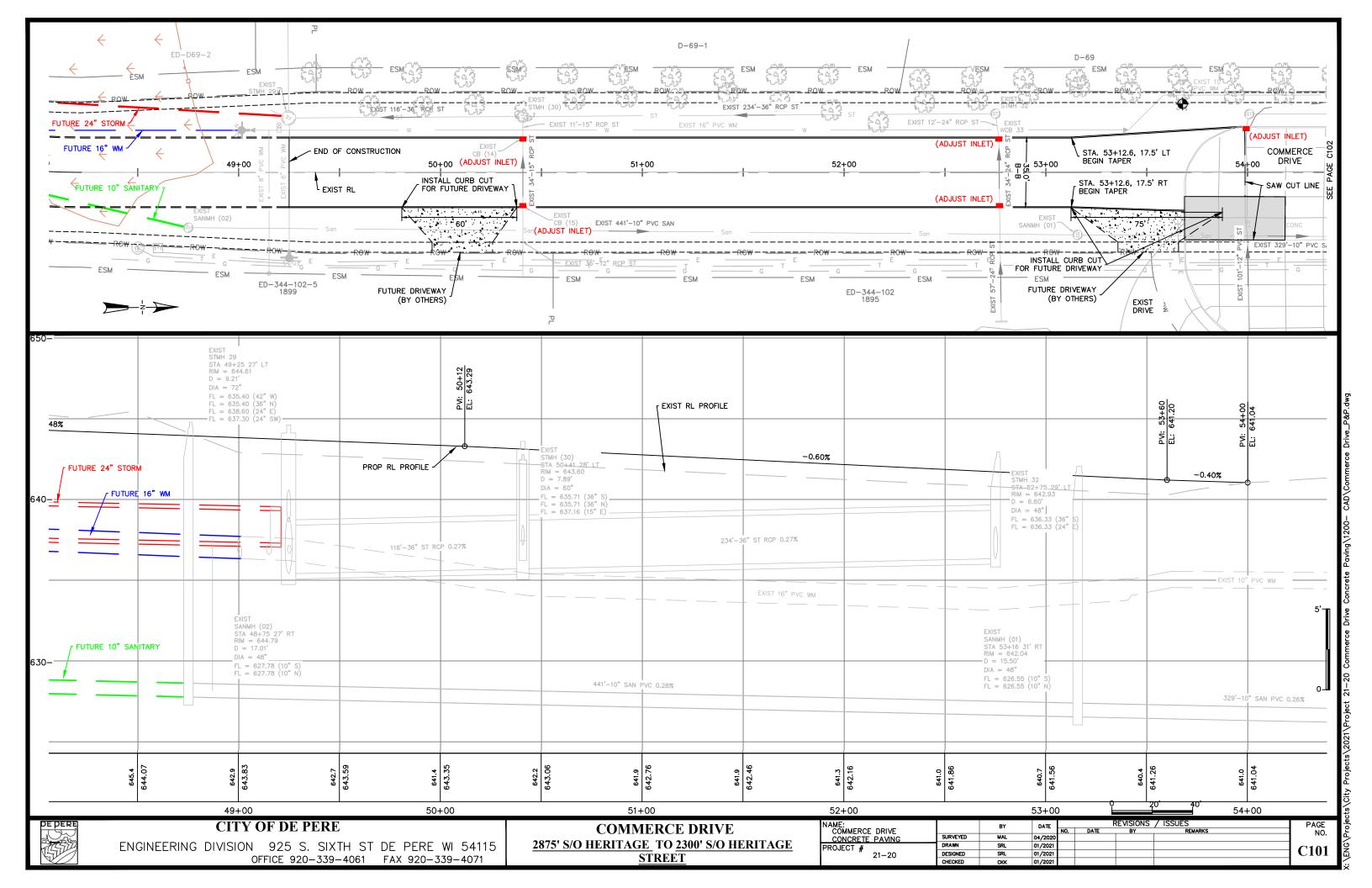


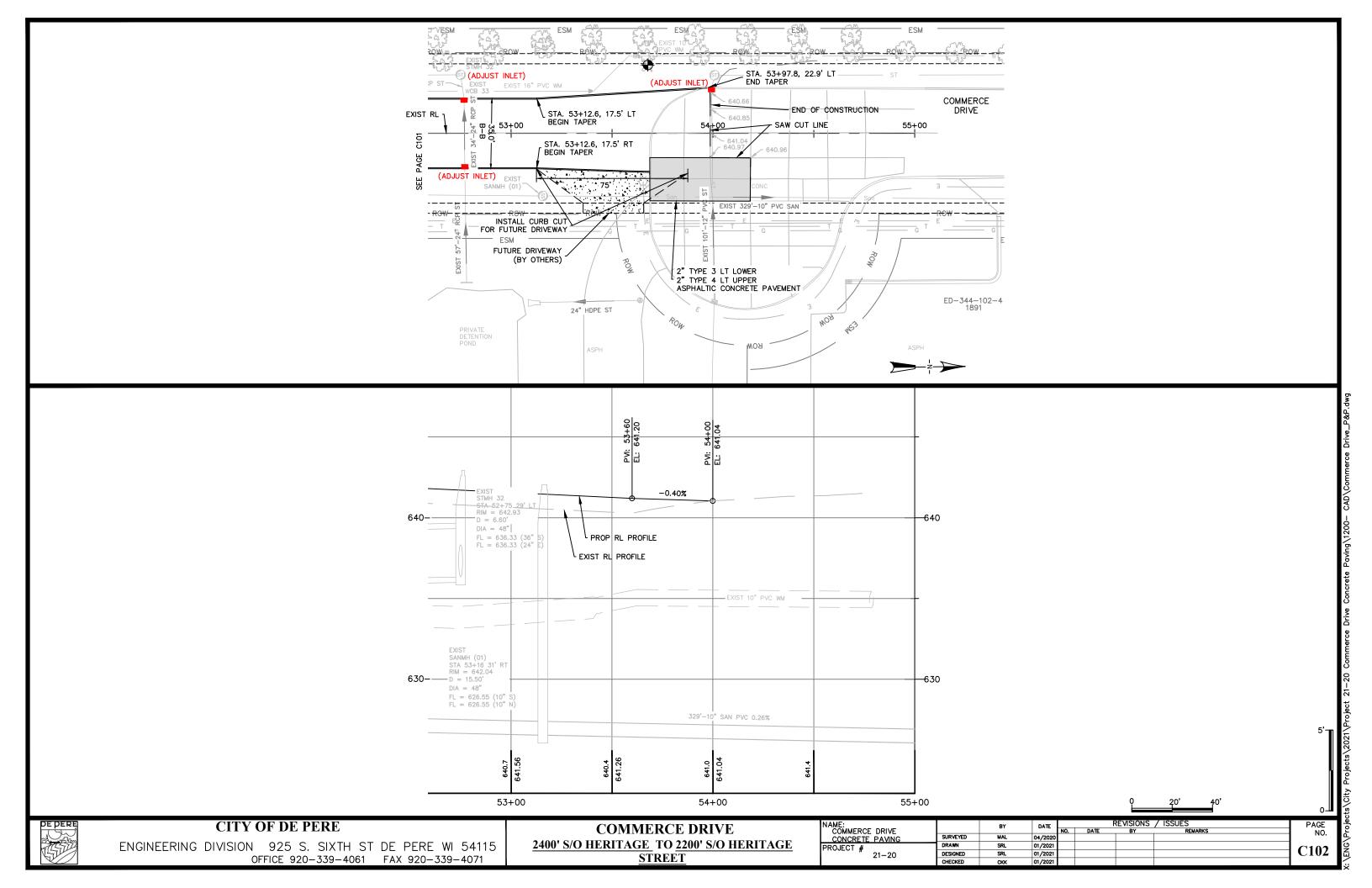
COMMERCE DRIVE TYPICAL SECTION

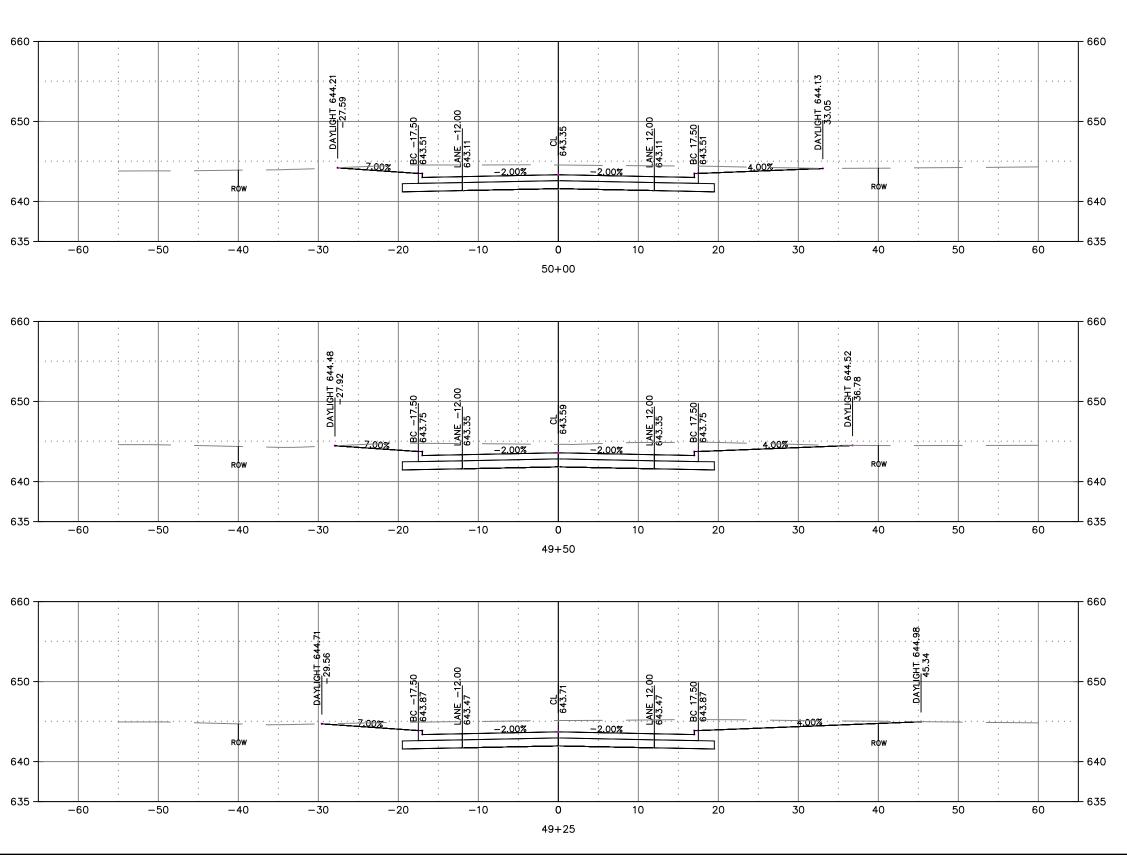
NAME:
COMMERCE DRIVE
CONCRETE PAVING

PROJECT #
21-20

BY
DATE
NO. DATE
NO. DATE
NO. DATE
NO. DATE
NO. DATE
BY
REVISIONS / ISSUES
NO. DATE
NO. DATE
NO. DATE
OF REMARKS
NO. DATE
NO. DA







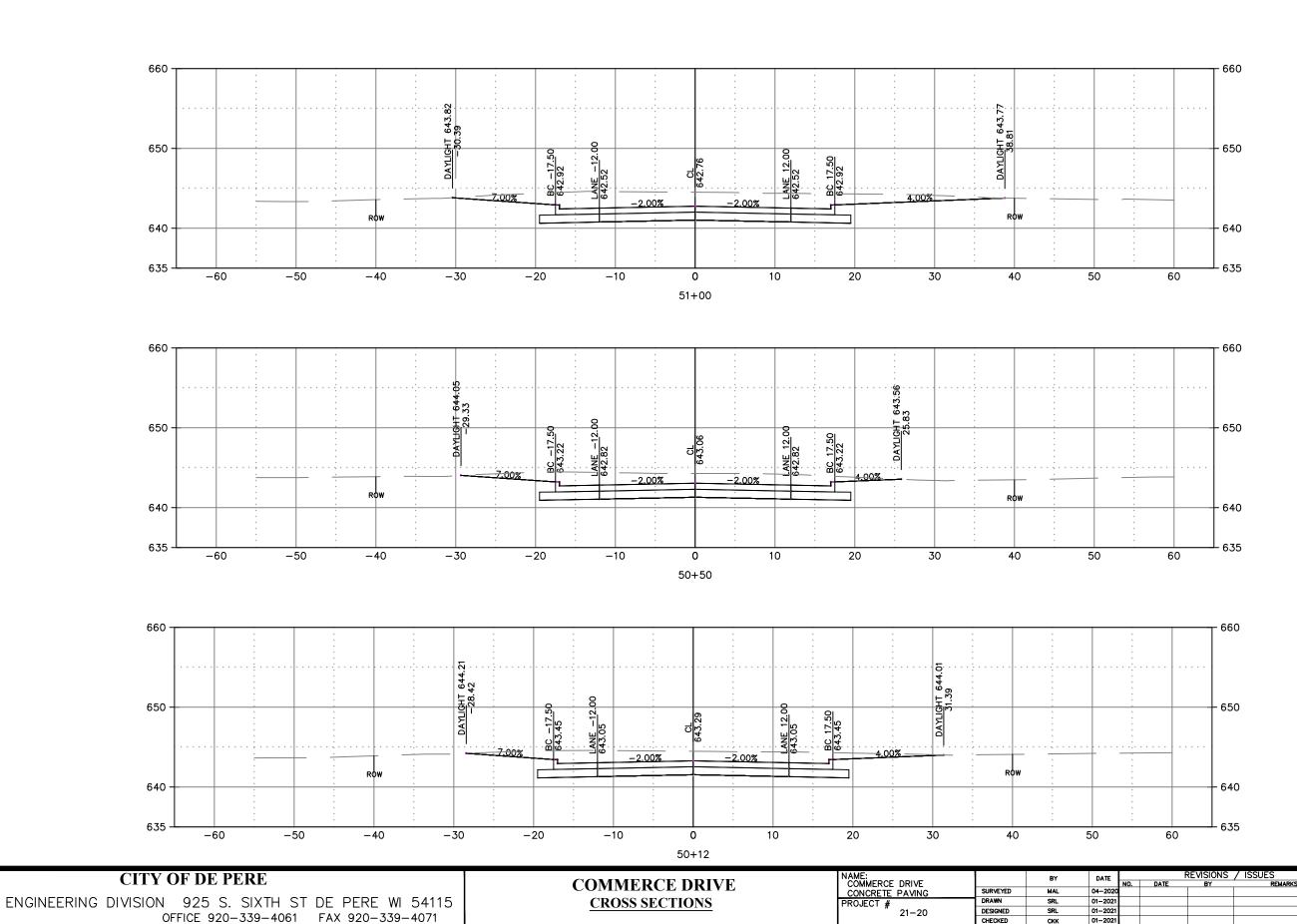
DE PERE

CITY OF DE PERE

ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115
OFFICE 920-339-4061 FAX 920-339-4071

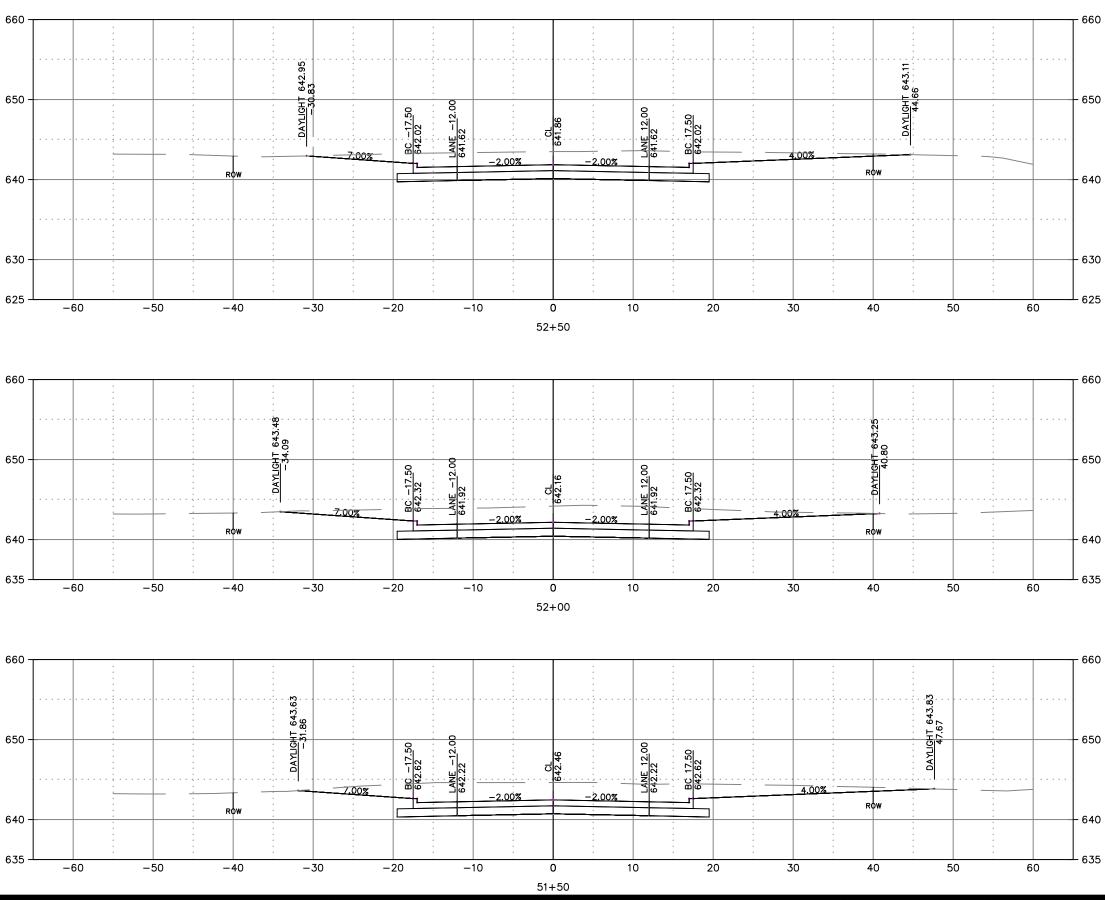
COMMERCE DRIVE CROSS SECTIONS

ity Projects\2021\Project 21–20 Commerce Drive Concrete Paving\1200- CAD\COM



OFFICE 920-339-4061 FAX 920-339-4071

C302

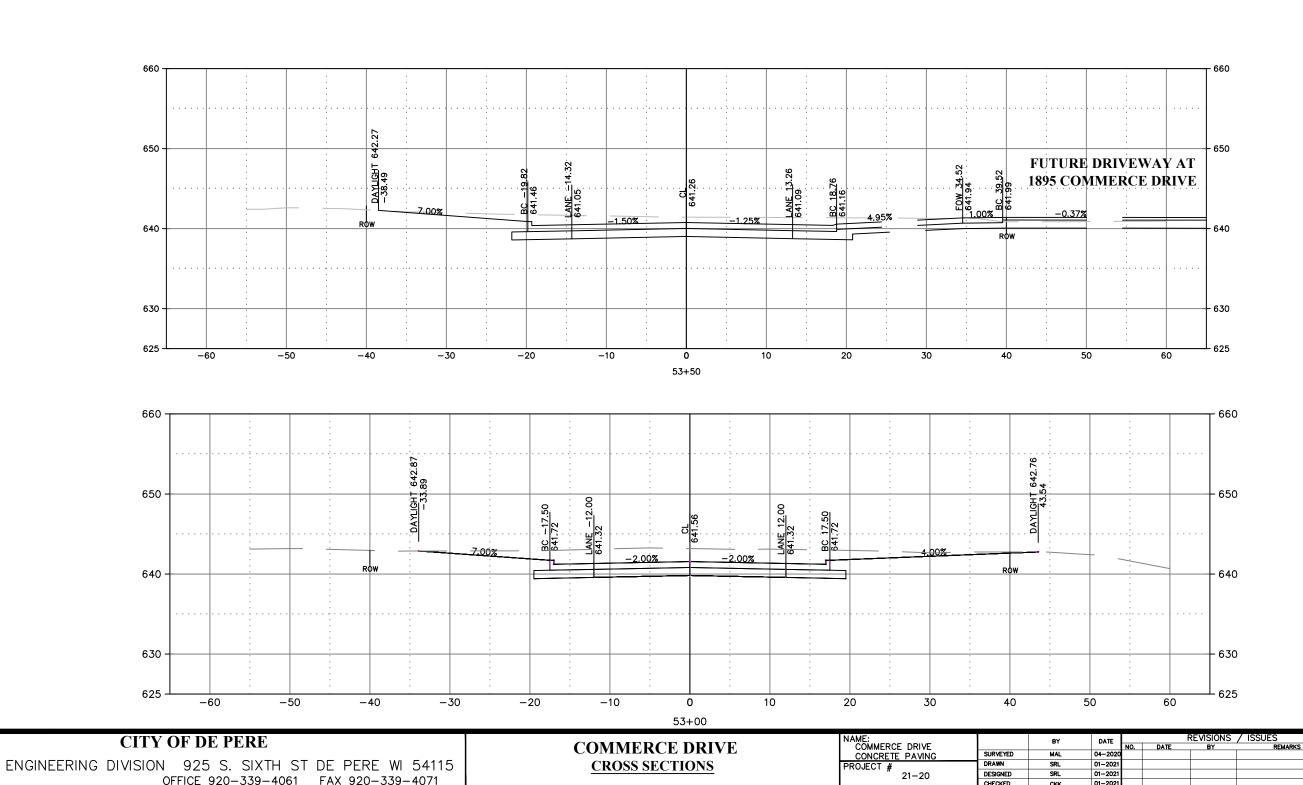


DE PERE

CITY OF DE PERE

ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115
OFFICE 920-339-4061 FAX 920-339-4071

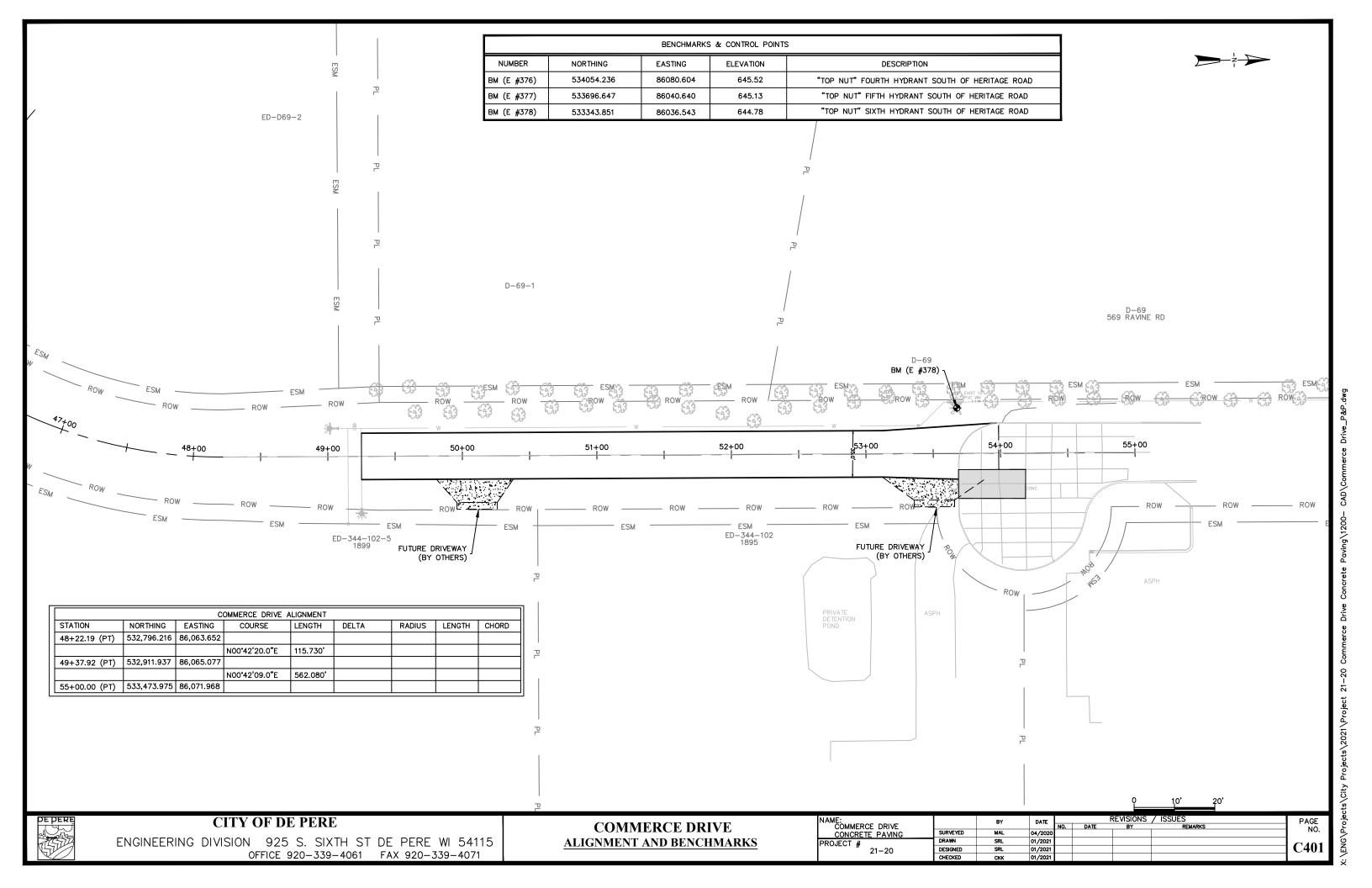
COMMERCE DRIVE CROSS SECTIONS

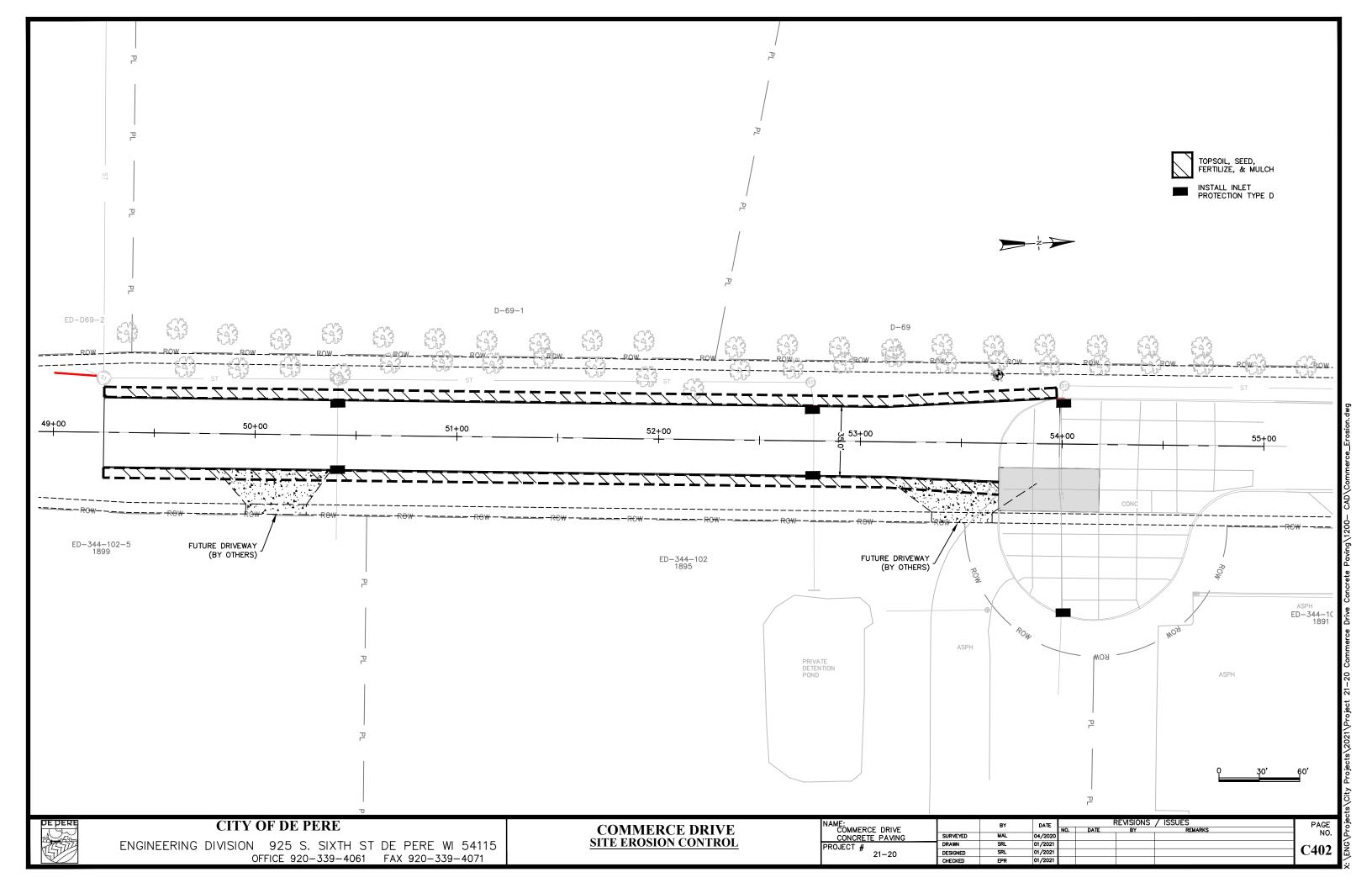


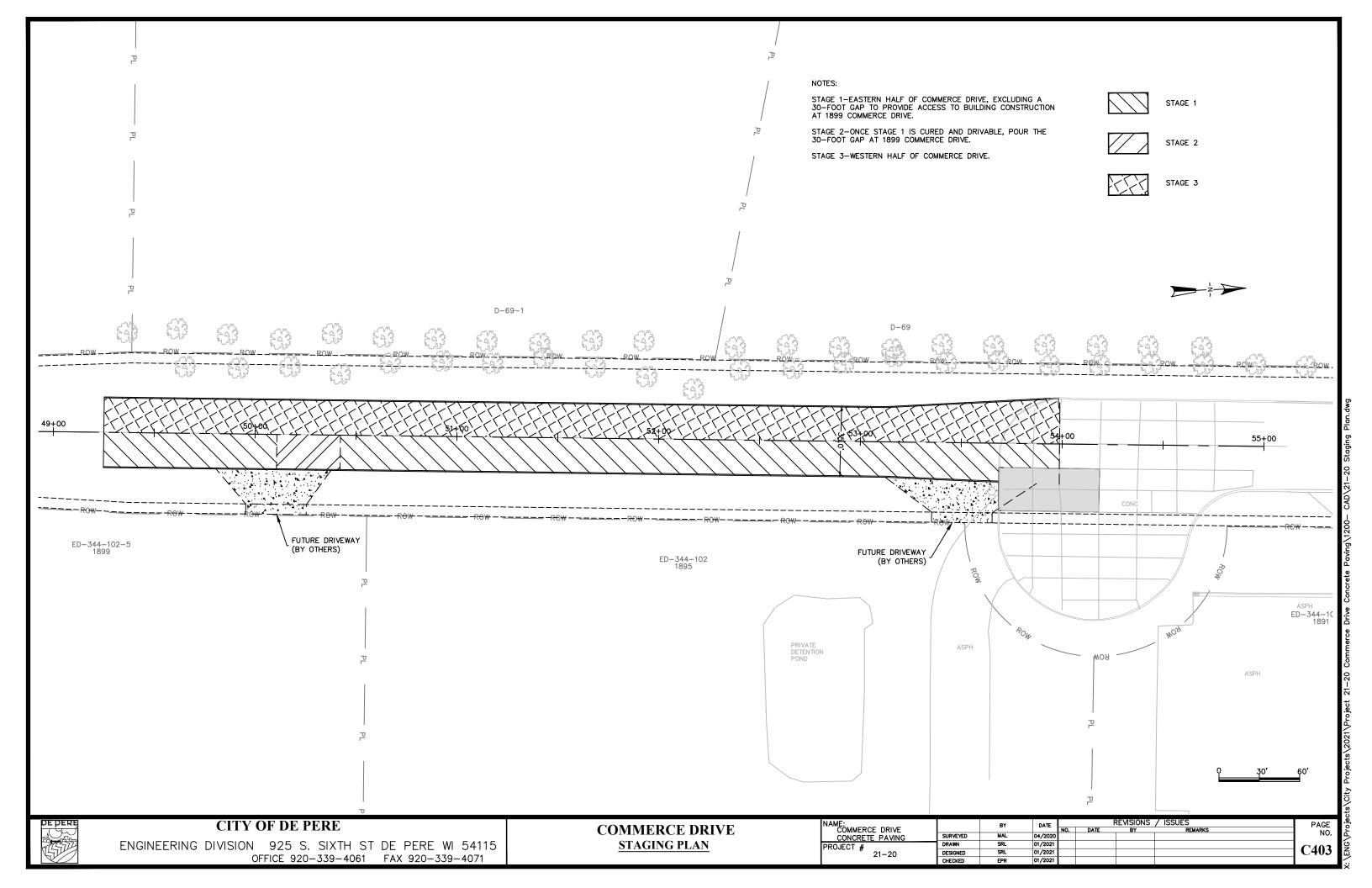
OFFICE 920-339-4061 FAX 920-339-4071

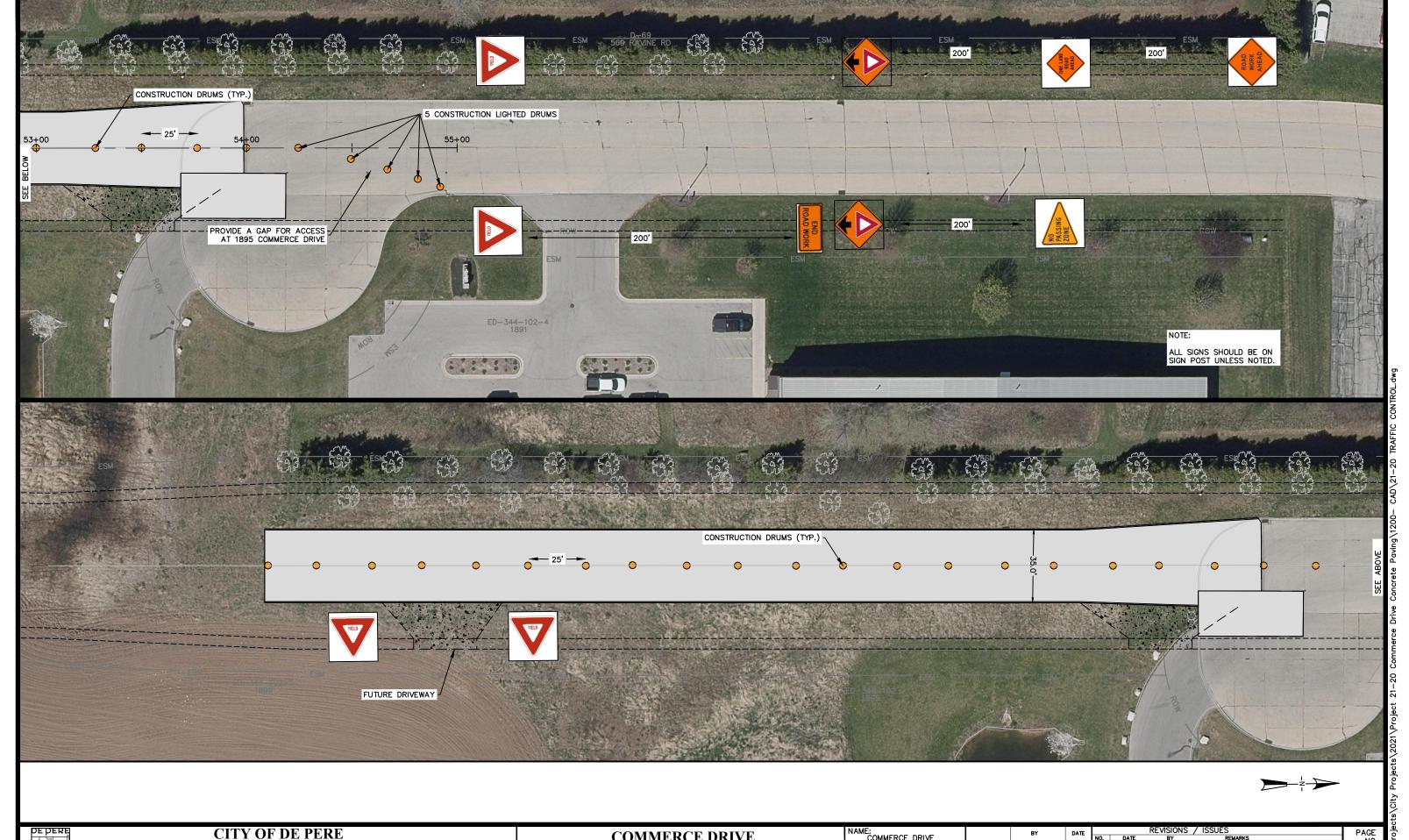
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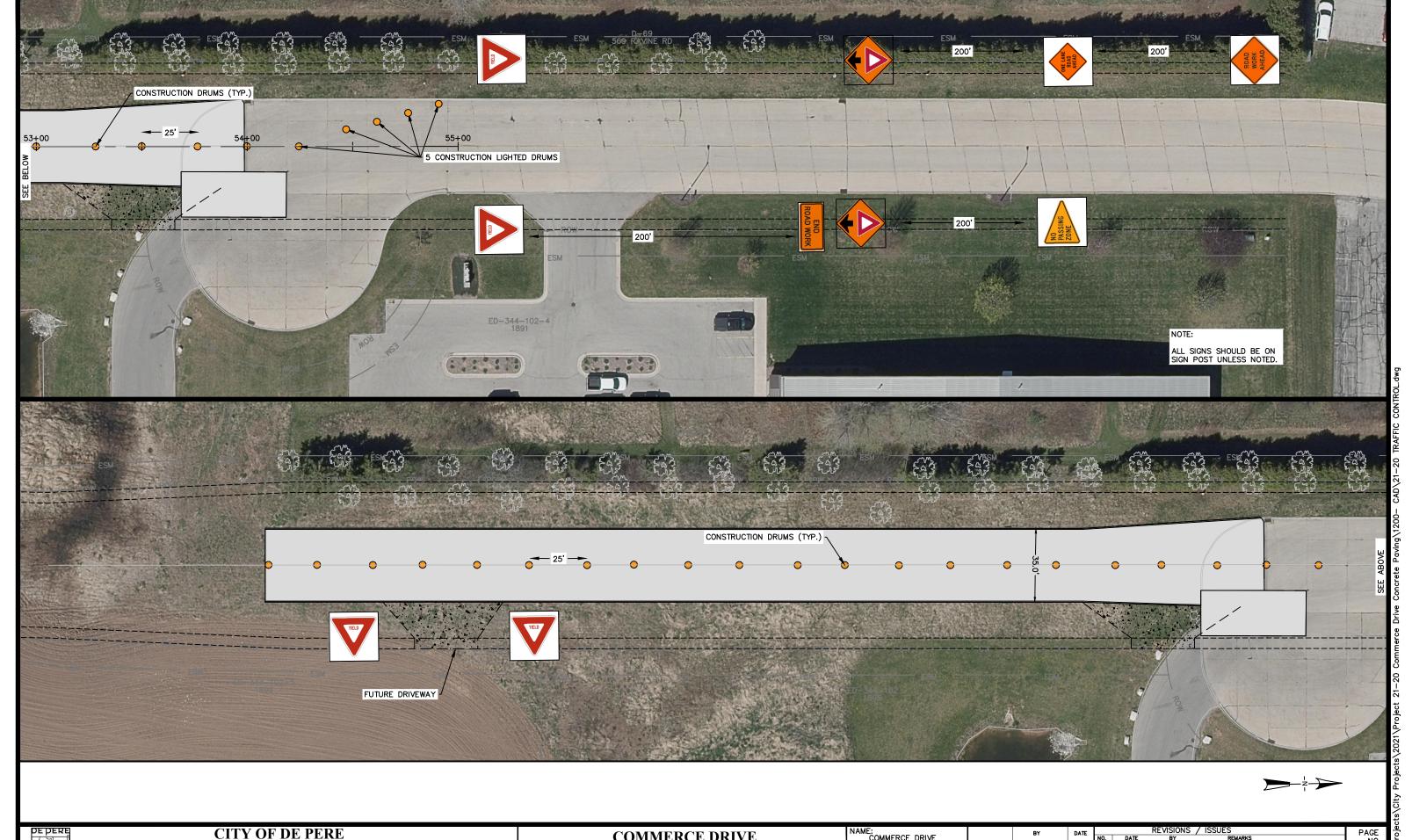
C304





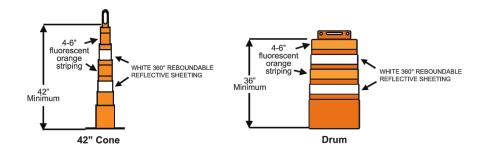


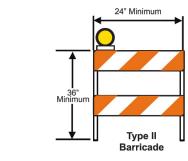


ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071 COMMERCE DRIVE TRAFFIC CONTROL PLAN PHASES 1 AND 2 

ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071 COMMERCE DRIVE TRAFFIC CONTROL PLAN PHASE 3 

#### **CHANNELIZING DEVICES**

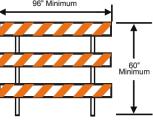






## **TYPE 3 BARRICADES**

- Orange diagonals shall slope down toward the traffic side.
- Signs mounted on Type III barricades should not cover more than half of the top two rails or 33 percent of the total area of the three rails.
- Type A Flashing Warning Lights may be used place on both side of barricade. Required for nighttime work or if device remaining overnight.

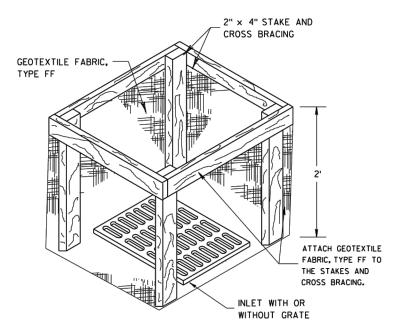


Type III Barricade

PAGE 20



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#### INLET PROTECTION, TYPE A

#### **GENERAL NOTES**

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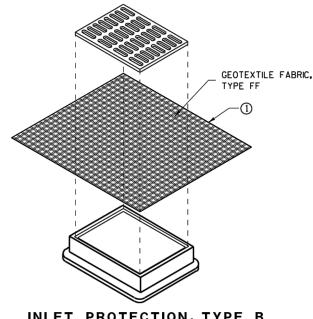
Ö

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE

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

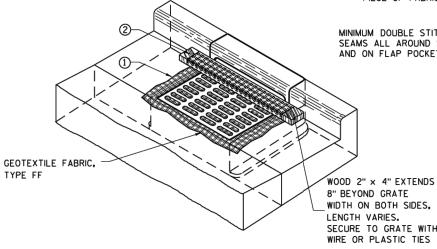
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 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

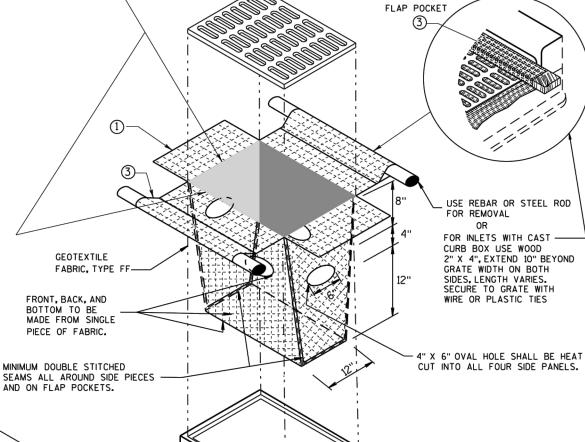
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

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.

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 SPECIFICATIONS AS PER THE PLAN

DIMENSION LENGTH AND WIDTH TO MATCH

INLET PROTECTION, TYPE D (CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE (2)

> STANDARD DETAIL MODIFIED TYPE "C" INLETS EQUALS CITY

OF DE PERE TYPE "B' INLETS

INLET PROTECTION TYPE A, B, C, AND D

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED 10-16-02

DATE CHIEF ROADWAY DEVELOPMENT ENGINEER

**CITY OF DE PERE** 

ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071

**CONSTRUCTION DETAILS INLET PROTECTION** 

AME: COMMERCE DRIVE CONCRETE PAVING DESIGNED 01-2021

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MAXIMUM DRILLED HOLE SIZE IS 1/8" GREATER THAN

DOWEL BAR DIAMETER

ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

18" DOWEL BARS ANCHORED INTO EXISTING PAVEMENT (SEE SIZE TABLE)

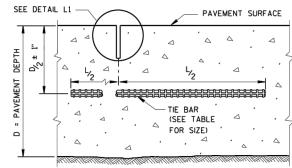
END OF BAR

SEE NOTE (1)

SECTION D-D

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT

APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

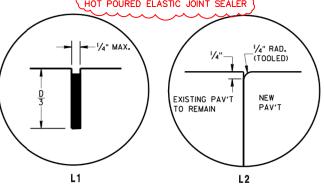


SAWED LONGITUDINAL JOINT

SECTION C-C

# TRANSVERSE JOINTS HOT POURED ELASTIC JOINT SEALER

C1



\_ '/4" RAD. (TOOLED) PAV'T L3

**PAVEMENT** 

DEPTH

(D)

< 10 1/2"

≥ 10 ½"

TIE BAR TABLE

TIE BAR

LENGTH (L)

30"

36"

30"

\* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

\*\* CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS: SPACING

TIE BAR

SIZE

NO. 4

NO. 5

NO. 4 \*

BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

MAX.

TIE BAR

SPACING

36"

DOWEL BARS @ 12" C-C (SEE SIZE TABLE)

SECTION F-F CONTRACTION JOINT

## LONGITUDINAL JOINTS

HOT POURED ELASTIC JOINT SEALER

SDD 13c9-b Concrete Pavement Repair and Replacement

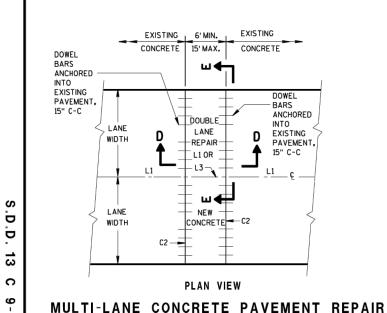
\_'/4" RAD. (TOOLED)

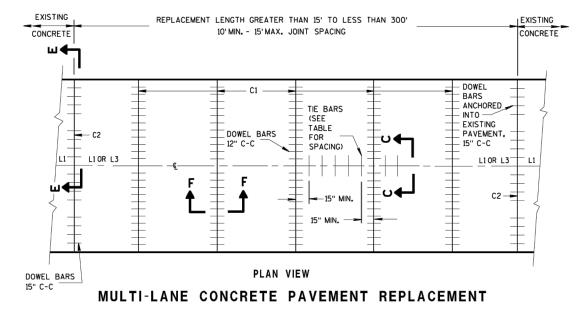
PAV'T

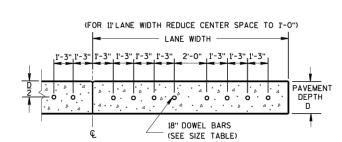
C2

EXISTING PAV'T

TO REMAIN







SECTION E-E DRILLED DOWEL BAR CONSTRUCTION JOINT

#### PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DOWEL BAR DIAMETER		CONTRACTION JOINT SPACING	
5 1/2", 6",6 1/2"	NONE	NONE	12'	
7",7 1/2"	1"	1"	14'	
8",8 1/2"	1 1/4"	1 1/4"	15'	
9",9 1/2"	1 1/4"	1 1/4"	15'	
10" & ABOVE	1 1/2"	1 1/4"	15'	

STANDARD DETAIL MODIFIED

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

15b

6

CITY OF DE PERE

ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071

**CONSTRUCTION DETAILS** CONCRETE PAVEMENT REPAIR & REPLACEMENT

NAME: COMMERCE DRIVE CONCRETE PAVING DESIGNED

01-2021

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PAVEMENT

DEPTH

9-15b ပ

13

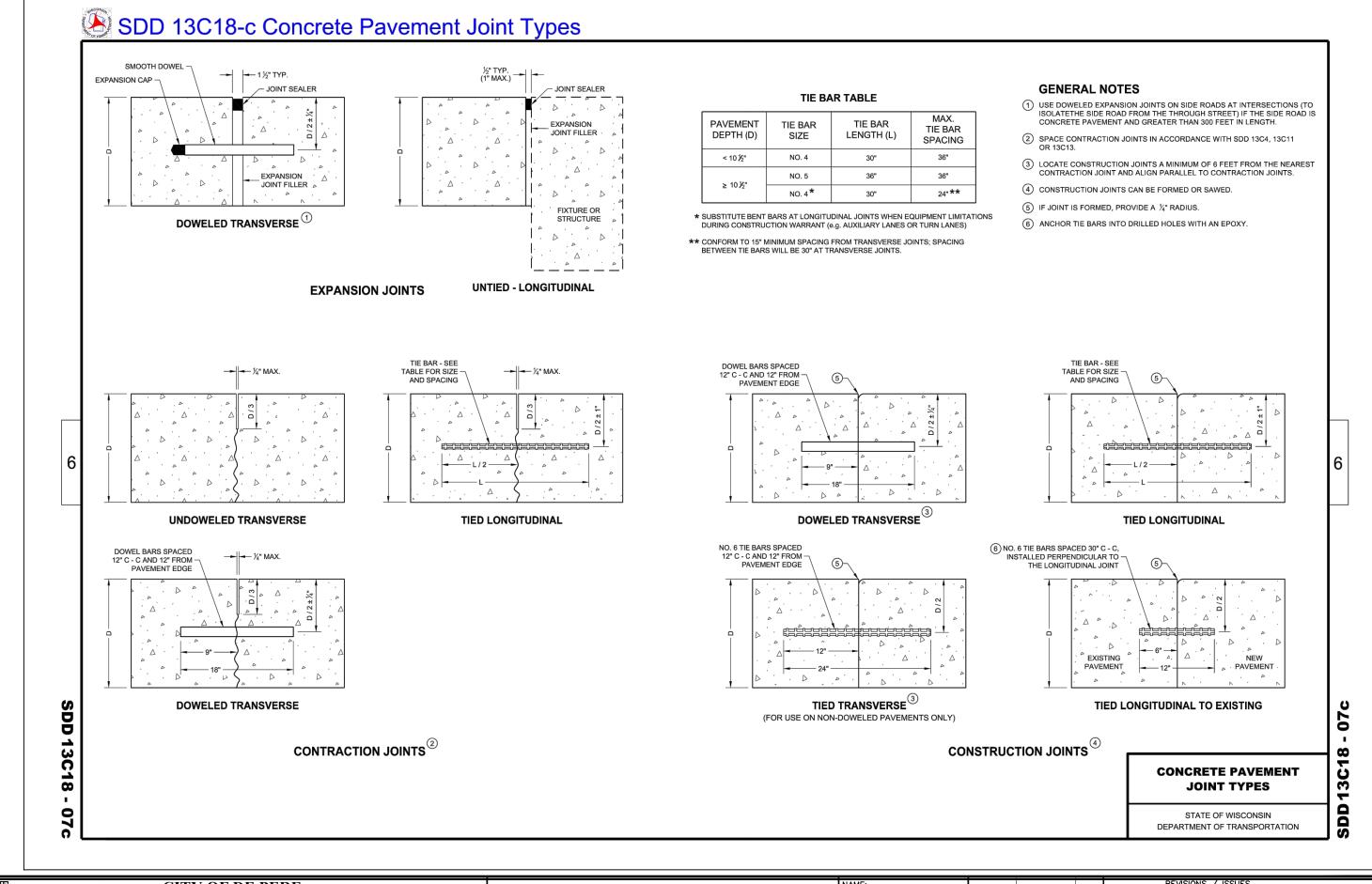
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PAGE NO. C502



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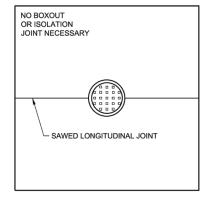
OFFICE 920-339-4061 FAX 920-339-4071

COMMERCE DRIVE
CONCRETE PAVING
PROJECT #

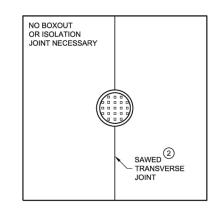
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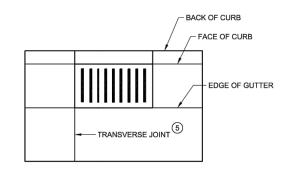
# SDD 13C18-d Concrete Pavement Jointing at Utility Fixtures



**MANHOLE WITH LONGITUDINAL JOINT** 



MANHOLE WITH TRANSVERSE JOINT



**INLET WITH** TRANSVERSE JOINT

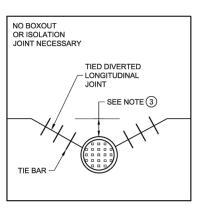
#### **GENERAL NOTES**

- 1 USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE
- (2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
- $\ensuremath{\mathfrak{J}}$  IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL, PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
- (4) IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL.
- (5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL

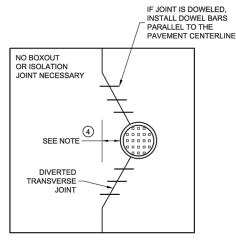
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13C18

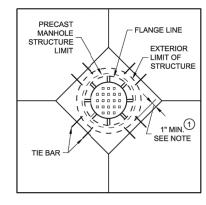
07



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



**DIAGONAL MANHOLE BOXOUT** FOR CONSTRUCTION JOINTS

**CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES** 

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

November 2018 DATE

/S/ Peter Kemp P.E PAVEMENT SUPERVISOR

**CITY OF DE PERE** 

**CONSTRUCTION DETAILS** CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

COMMERCE DRIVE CONCRETE PAVING PROJECT # DESIGNED 01-2021

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SDD

PAGE NO.