

Contract Routing Form

ROUTING: Routine

printed on: 06/29/2018

Contract between: R.G. Huston Co Inc  
 and Dept. or Division: Engineering Division  
 Name/Phone Number:

Project: N Blackhawk Ave, Bruce Ct & Heather Crest Resurf w Utilities  
 AD 2018

Contract No.: 8191  
 Enactment No.: RES-18-00456  
 Dollar Amount: 4,513,453.48

File No.: 51857  
 Enactment Date: 06/25/2018

(Please DATE before routing)

Signatures Required	Date Received	Date Signed
City Clerk	6-29-2018	6-29-2018
Director of Civil Rights	7.2.18	7.3.18 FNS
Risk Manager	7.9.18	7.9.18 mel
Finance Director	7.9.18	7/10/18 MCR
City Attorney	7-12-18	7.16.2018
Mayor	07.16.18	07.16.18

Please return signed Contracts to the City Clerk's Office  
 Room 103, City-County Building for filing.

Original + 2 Copies

06/29/2018 10:45:16 enssd - Chris Dawson, 261-5537

Dis Rights: OK /  N/A / Problem - Hold  
 Prev Wage: AA / Agency / No  
 Contract Value: 4513453.48  
 AA Plan: Approved  
 Amendment / Addendum # \_\_\_\_\_  
 Type: POS / Dvlp / Sbdv / Gov't /  
 Grant / PW / Goal / Loan / Agrmt



Legislation Details (With Text)

**File #:** 51857      **Version:** 1      **Name:** Awarding Public Works Contract No. 8191, N. Blackhawk Avenue, Bruce Court, and Heather Crest Resurfacing with Utilities Assessment District - 2018

**Type:** Resolution      **Status:** Passed

**File created:** 5/25/2018      **In control:** BOARD OF PUBLIC WORKS

**On agenda:** 6/19/2018      **Final action:** 6/19/2018

**Enactment date:** 6/25/2018      **Enactment #:** RES-18-00456

**Title:** Awarding Public Works Contract No. 8191, N. Blackhawk Avenue, Bruce Court, and Heather Crest Resurfacing with Utilities Assessment District - 2018. (2nd AD)

**Sponsors:** BOARD OF PUBLIC WORKS

**Indexes:**

**Code sections:**

**Attachments:** 1. Contract 8191 .pdf

Date	Ver.	Action By	Action	Result
6/19/2018	1	COMMON COUNCIL	Adopt Under Suspension of Rules 2.04, 2.05, 2.24, and 2.25	Pass
6/6/2018	1	BOARD OF PUBLIC WORKS	RECOMMEND TO COUNCIL TO ADOPT UNDER SUSPENSION OF RULES 2.04, 2.05, 2.24, & 2.25 - REPORT OF OFFICER	Pass
5/29/2018	1	Engineering Division	Refer	

The proposed resolution awards the contract for the Blackhawk Avenue, Bruce Court, and Heather Crest pavement resurfacing project. In the adopted 2018 capital budget, Engineering Major Streets has budgeted \$15.5 million within the Pavement Management capital program for the resurfacing of streets throughout the City. The cost of the proposed project for the Blackhawk Avenue, Bruce Court, and Heather Crest resurfacing is estimated at \$4.87 million. Project funding is provided by GO Borrowing, Special Assessments, and associated utility funding broken out as follows:

- Major Streets - \$1,253,210
- Stormwater Utility - \$1,107,710
- Sewer Utility - \$1,806,590
- Water Utility - \$707,020

Awarding Public Works Contract No. 8191, N. Blackhawk Avenue, Bruce Court, and Heather Crest Resurfacing with Utilities Assessment District - 2018. (2nd AD)  
 BE IT RESOLVED, that the following low bids for miscellaneous improvements be accepted and that the Mayor and City Clerk be and are hereby authorized and directed to enter into a contract with the low bidders contained herein, subject to the Contractor's compliance with Section 39.02 of the Madison General Ordinances concerning compliance with the Affirmative Action provisions **and subject to the Contractor's compliance with Section 33.07 of the Madison General Ordinances regarding Best Value Contracting:**

BE IT FURTHER RESOLVED, that the funds be encumbered to cover the cost of the projects contained herein.

SDR

See attached document (Contract No.8191) for itemization of bids.

PROJECT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_ AMOUNT OF BID \_\_\_\_\_

CONTRACT NO. 8191  
N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST RESURFACING WITH UTILITIES  
ASSESSMENT DISTRICT - 2018

R.G. HUSTON CO., INC.

\$4,513,453.48

Acct. No. 11743-402-170: 54410 (91396) \$975,937.10  
Contingency 8%± 78,072.90  
Sub-Total \$1,054,010.00

Acct. No. 11743-402-174:54445 (91345) \$184,444.00  
Contingency 8%± 14,756.00  
Sub-Total \$199,200.00

Acct. No. 11743-84-174:54445 (91345) \$1,025,653.52  
Contingency 8%± 82,056.48  
Sub-Total \$1,107,710.00

Acct. No. 11743-83-173:54445 (91345) \$1,672,766.86  
Contingency 8%± 133,823.14  
Sub-Total \$1,806,590.00

Acct. No. 11743-86-179:54445 (91360) \$654,652.00  
Contingency 8%± 52,368.00  
Sub-Total \$707,020.00

GRAND TOTAL \$4,874,530.00

Jurisdiction: Wisconsin

Demographics

**Company Name:** Travelers Casualty and Surety Company of America  
**Short Name:**  
**SBS Company Number:** 54218780  
**NAIC CoCode:** 31194  
**FEIN:** 06-0907370  
**Domicile Type:** Foreign  
**State of Domicile:** Connecticut  
**Country of Domicile:** United States  
**NAIC Group Number:** 3548 - Travelers Grp  
**Organization Type:** Stock  
**Date of Incorporation:** 07/18/1974  
**Merger Flag:** Yes

Address

**Business Address**  
 One Tower Sq  
 Hartford, CT 06183  
 United States  
**Mailing Address**  
 ONE TOWER SQUARE  
 HARTFORD, CT 06183  
 United States  
**Statutory Home Office Address**  
 One Tower Sq  
 Hartford, CT 06183  
 United States  
**Main Administrative Office Address**  
 One Tower Sq  
 Hartford, CT 06183  
 United States

Phone, E-mail, Website

Phone

Type	Number
Business Primary Phone	(860) 277-0111
Mailing Primary Phone	(860) 277-0111
Mailing Fax Phone	(860) 277-7002
Statutory Home Office Primary Phone	(860) 277-0111
Main Admin Office Primary Phone	(860) 277-0111

Email

No results found.

Website

No results found.

Company Type

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**Company Type:** Property and Casualty  
**Status:** Active  
**Status Reason:**  
**Status Date:** 09/10/1975  
**Effective Date:** 07/01/1997  
**Legacy State ID:** 110846  
**Issue Date:** 09/10/1975  
**Approval Date:**  
**File Date:**  
**Articles of Incorporation Received:** No  
**Article No:**  
**COA Number:**

Appointments

Export to Excel

barton

Licensee Name	License Number	NPN	License Type	Line of Authority	Appointment Date	Effective Date	Expiration Date
DENNIS BARTON	283633	283633	Intermediary (Agent) Individual	Casualty	06/15/1993	03/16/2018	03/15/2019
DENNIS BARTON	283633	283633	Intermediary (Agent) Individual	Property	06/15/1993	03/16/2018	03/15/2019

Line Of Business

Filter

Line of Business	Citation Type	Effective Date
Aircraft	Aircraft	09/10/1975
Automobile	Automobile	09/10/1975
Credit Insurance	Credit Insurance	09/10/1975
Disability Insurance	Disability Insurance	09/10/1975
Fidelity Insurance	Fidelity Insurance	09/10/1975
Workers Compensation Insurance	Workers Compensation Insurance	06/29/1990
Liability and Incidental Medical Expense Insurance (other than automobile)	Liability and Incidental Medical Expense Insurance (other than automobile)	09/10/1975
Miscellaneous	Miscellaneous	09/10/1975
Ocean Marine Insurance	Ocean Marine Insurance	09/10/1975
Surety Insurance	Surety Insurance	09/10/1975

Contact

Filter

Contact Type	Preferred Name	Name	E-mail	Phone	Address
Registered Agent for Service of Process		*			<b>Other</b> CORPORATION SERVICE COMPANY 8040 EXCELSIOR DR STE 400 MADISON, WI 53717 United States

Company Merger

Filter

SBS Company Number	NAIC CoCode	Non-Surviving Company	Non-Surviving Company Type	Terminated Appointments	Transferred Appointments	Merger Date	Comments
54221052	22535	Seaboard Surety Company	Property and Casualty	N	N	01/02/2009	

Companies Absorbed

Name Change History

Filter

Previous Name	New Name	Effective Date
Aetna Casualty & Surety Company of America	Aetna Casualty & Surety Company of America	09/10/1975
Aetna Casualty & Surety Company of America	Travelers Casualty and Surety Company of America	07/01/1997

\$4,513,453.48  
FILE

BID OF R. G. HUSTON CO., INC.

2018

PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS

FOR

N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST  
RESURFACING WITH UTILITIES ASSESSMENT DISTRICT - 2018

CONTRACT NO. 8191

PROJECT NO. 11743

MUNIS NO. 11743

IN

MADISON, DANE COUNTY, WISCONSIN

AWARDED BY THE COMMON COUNCIL  
MADISON, WISCONSIN ON JUNE 19, 2018

CITY ENGINEERING DIVISION  
1600 EMIL STREET  
MADISON, WISCONSIN 53713

<https://bidexpress.com/login>



**N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST  
RESURFACING WITH UTILITIES ASSESSMENT DISTRICT - 2018  
CONTRACT NO. 8191**

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This Proposal, and Agreement have  
been prepared by:

**CITY ENGINEERING DIVISION  
CITY OF MADISON  
MADISON, DANE COUNTY, WISCONSIN**



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Robert F. Phillips, P.E., City Engineer

RFP: cmb

## SECTION A: ADVERTISEMENT FOR BIDS AND INSTRUCTIONS TO BIDDERS

### REQUEST FOR BID FOR PUBLIC WORKS CONSTRUCTION CITY OF MADISON, WISCONSIN

#### A BEST VALUE CONTRACTING MUNICIPALITY

PROJECT NAME:	N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST RESURFACING WITH UTILITIES ASSESSMENT DISTRICT - 2018
CONTRACT NO.:	8191
SBE GOAL	10%
BID BOND	5%
SBE PRE BID MEETING (1:00 P.M.)	5/18/2018
PREQUALIFICATION APPLICATION DUE (2:00 P.M.)	5/17/2018
BID SUBMISSION (2:00 P.M.)	5/24/2018
BID OPEN (2:30 P.M.)	5/24/2018
PUBLISHED IN WSJ	5/10/2018 & 5/17/2018

SBE PRE BID MEETING: Representatives of the Affirmative Action Department will be present to discuss the Small Business Enterprise requirements at 1600 Emil Street, Madison Wisconsin.

PREQUALIFICATION APPLICATION: Forms are available on our website, [www.cityofmadison.com/business/pw/forms.cfm](http://www.cityofmadison.com/business/pw/forms.cfm). If not currently prequalified in the categories listed in Section A, an amendment to your Prequalification will need to be submitted prior to the same due date. Postmark is not applicable.

BIDS TO BE SUBMITTED by hand to 1600 EMIL ST., MADISON, WI 53713 or online at [www.bidexpress.com](http://www.bidexpress.com).

THE BID OPENING is at 1600 EMIL ST., MADISON, WI 53713.

#### STANDARD SPECIFICATIONS

The City of Madison's Standard Specifications for Public Works Construction - 2018 Edition, as supplemented and amended from time to time, forms a part of these contract documents as if attached hereto.

These standard specifications are available on the City of Madison Public Works website, [www.cityofmadison.com/Business/PW/specs.cfm](http://www.cityofmadison.com/Business/PW/specs.cfm).

The Contractor shall review these Specifications prior to preparation of proposals for the work to be done under this contract, with specific attention to Article 102, "BIDDING REQUIREMENTS AND CONDITIONS" and Article 103, "AWARD AND EXECUTION OF THE CONTRACT." For the convenience of the bidder, below are highlights of three subsections of the specifications.

#### SECTION 102.1: PRE-QUALIFICATION OF BIDDERS

In accordance with Wisconsin State Statutes 66.0901 (2) and (3), all bidders must submit to the Board of Public Works proof of responsibility on forms furnished by the City. The City requires that all bidders be qualified on a biennial basis.

Bidders must present satisfactory evidence that they have been regularly engaged in the type of work specified herein and they are fully prepared with necessary capital, materials, machinery and supervisory personnel to conduct the work to be contracted for to the satisfaction of the City. All bidders must be pre-

qualified by the Board of Public Works for the type of construction on which they are bidding prior to the opening of the bid.

In accordance with Section 39.02(9)(a). of the General Ordinances, all bidders shall submit in writing to the Affirmative Action Division Manager of the City of Madison, a Certificate of Compliance or an Affirmative Action Plan at the same time or prior to the submission of the proof of responsibility forms.

The bidder shall be disqualified if the bidder fails to or refuses to, prior to opening of the bid, submit a Certificate of compliance, Affirmative Action Plan or Affirmative Action Data Update, as applicable, as defined by Section 39.02 of the General Ordinances (entitled Affirmative Action) and as required by Section 102.11 of the Standard Specifications.

#### SECTION 102.4 PROPOSAL

No bid will be accepted that does not contain an adequate or reasonable price for each and every item named in the Schedule of Unit Prices.

A lump sum bid for the work in accordance with the plans and specifications is required. The lump sum bid must be the same as the total amounts bid for the various items and it shall be inserted in the space provided.

All papers bound with or attached to the proposal form are considered a part thereof and must not be detached or altered when the proposal is submitted. The plans, specifications and other documents designated in the proposal form will be considered a part of the proposal whether attached or not.

A proposal submitted by an individual shall be signed by the bidder or by a duly authorized agent. A proposal submitted by a partnership shall be signed by a member/partner or by a duly authorized agent thereof. A proposal submitted by a corporation shall be signed by an authorized officer or duly authorized registered agent of such corporation, and the proposal shall show the name of the State under the laws of which such corporation was chartered. The required signatures shall in all cases appear in the space provided thereof on the proposal.

Each proposal shall be placed, together with the proposal guaranty, in a sealed envelope, so marked as to indicate name of project, the contract number or option to which it applies, and the name and address of the Contractor or submitted electronically through Bid Express ([www.bidexpress.com](http://www.bidexpress.com)). Proposals will be accepted at the location, the time and the date designated in the advertisement. Proposals received after the time and date designated will be returned to the bidder unopened.

#### SECTION 102.5: BID DEPOSIT (PROPOSAL GUARANTY)

All bids, sealed or electronic, must be accompanied with a Bid Bond equal to at least 5% of the bid or a Certificate of Annual/Biennial Bid Bond or certified check, payable to the City Treasurer. Bid deposit of the successful bidders shall be returned within forty-eight (48) hours following execution of the contract and bond as required.

#### MINOR DISCREPENCIES

Bidder is responsible for submitting all forms necessary for the City to determine compliance with State and City bidding requirements. Notwithstanding any language to the contrary contained herein, the City may exercise its discretion to allow bidders to correct or supplement submissions after bid opening, if the minor discrepancy, bid irregularity or omission is insignificant and not one related to price, quality, quantity, time of completion or performance of the contract.

**Bidders for this Contract(s) must be Pre-Qualified for at least one of the following type(s) of construction denoted by an**

Building Demolition

- 101  Asbestos Removal
- 120  House Mover

- 110  Building Demolition

Street, Utility and Site Construction

- 201  Asphalt Paving
- 205  Blasting
- 210  Boring/Pipe Jacking
- 215  Concrete Paving
- 220  Con. Sidewalk/Curb & Gutter/Misc. Flat Work
- 221  Concrete Bases and Other Concrete Work
- 222  Concrete Removal
- 225  Dredging
- 230  Fencing
- 235  Fiber Optic Cable/Conduit Installation
- 240  Grading and Earthwork
- 241  Horizontal Saw Cutting of Sidewalk
- 242  Infrared Seamless Patching
- 245  Landscaping, Maintenance
- 246  Ecological Restoration
- 250  Landscaping, Site and Street
- 251  Parking Ramp Maintenance
- 252  Pavement Marking
- 255  Pavement Sealcoating and Crack Sealing
- 260  Petroleum Above/Below Ground Storage Tank Removal/Installation
- 262  Playground Installer

- 265  Retaining Walls, Precast Modular Units
- 270  Retaining Walls, Reinforced Concrete
- 275  Sanitary, Storm Sewer and Water Main Construction
- 276  Sawcutting
- 280  Sewer Lateral Drain Cleaning/Internal TV Insp.
- 285  Sewer Lining
- 290  Sewer Pipe Bursting
- 295  Soil Borings
- 300  Soil Nailing
- 305  Storm & Sanitary Sewer Laterals & Water Svc.
- 310  Street Construction
- 315  Street Lighting
- 318  Tennis Court Resurfacing
- 320  Traffic Signals
- 325  Traffic Signing & Marking
- 332  Tree pruning/removal
- 333  Tree, pesticide treatment of
- 335  Trucking
- 340  Utility Transmission Lines including Natural Gas, Electrical & Communications
- 399  Other \_\_\_\_\_

Bridge Construction

- 501  Bridge Construction and/or Repair

Building Construction

- 401  Floor Covering (including carpet, ceramic tile installation, rubber, VCT)
- 402  Building Automation Systems
- 403  Concrete
- 404  Doors and Windows
- 405  Electrical - Power, Lighting & Communications
- 410  Elevator - Lifts
- 412  Fire Suppression
- 413  Furnishings - Furniture and Window Treatments
- 415  General Building Construction, Equal or Less than \$250,000
- 420  General Building Construction, \$250,000 to \$1,500,000
- 425  General Building Construction, Over \$1,500,000
- 428  Glass and/or Glazing
- 429  Hazardous Material Removal
- 430  Heating, Ventilating and Air Conditioning (HVAC)
- 433  Insulation - Thermal
- 435  Masonry/Tuck pointing

- 437  Metals
- 440  Painting and Wallcovering
- 445  Plumbing
- 450  Pump Repair
- 455  Pump Systems
- 460  Roofing and Moisture Protection
- 464  Tower Crane Operator
- 461  Solar Photovoltaic/Hot Water Systems
- 465  Soil/Groundwater Remediation
- 466  Warning Sirens
- 470  Water Supply Elevated Tanks
- 475  Water Supply Wells
- 480  Wood, Plastics & Composites - Structural & Architectural
- 499  Other \_\_\_\_\_

State of Wisconsin Certifications

- 1  Class 5 Blaster - Blasting Operations and Activities 2500 feet and closer to inhabited buildings for quarries, open pits and road cuts.
- 2  Class 6 Blaster - Blasting Operations and Activities 2500 feet and closer to inhabited buildings for trenches, site excavations, basements, underwater demolition, underground excavations, or structures 15 feet or less in height.
- 3  Class 7 Blaster - Blasting Operations and Activities for structures greater than 15' in height, bridges, towers, and any of the objects or purposes listed as "Class 5 Blaster or Class 6 Blaster".
- 4  Petroleum Above/Below Ground Storage Tank Removal and Installation (Attach copies of State Certifications.)
- 5  Hazardous Material Removal (Contractor to be certified for asbestos and lead abatement per the Wisconsin Department of Health Services, Asbestos and Lead Section (A&LS).) See the following link for application: [www.dhs.wisconsin.gov/Asbestos/Cert](http://www.dhs.wisconsin.gov/Asbestos/Cert). State of Wisconsin Performance of Asbestos Abatement Certificate must be attached.
- 6  Certification number as a Certified Arborist or Certified Tree Worker as administered by the International Society of Arboriculture
- 7  Pesticide application (Certification for Commercial Applicator For Hire with the certification in the category of turf and landscape (3.0) and possess a current license issued by the DATCP)
- 8  State of Wisconsin Master Plumbers License.

## SECTION B: PROPOSAL

Please refer to the  
Bid Express Website  
at <https://bidexpress.com>  
look up contract number  
and go to  
Section B: Proposal Page

You can access all City of Madison bid solicitations for FREE at [www.bidexpress.com](http://www.bidexpress.com)

Click on the "Register for Free" button and follow the instructions to register your company and yourself. You will be asked for a payment subscription preference, since you may wish to bid online someday. Simply choose the method to pay on a 'per bid' basis. This requires no payment until / unless you actually bid online. You can also choose the monthly subscription plan at this time. You will, however, be asked to provide payment information. Remember, you can change your preference at anytime. You will then be able to complete your free registration and have full access to the site. Your free access does not require completion of the 'Digital ID' process, so you will have instant access for viewing and downloading. To be prepared in case you ever do wish to bid online, you may wish to establish your digital ID also, since you cannot bid without a Digital ID.

If you have any problems with the free registration process, you can call the bidexpress help team, toll free at 1-888-352-2439 (option 1, option1).

## SECTION C: SMALL BUSINESS ENTERPRISE

### Instructions to Bidders City of Madison SBE Program Information

#### 2 Small Business Enterprise (SBE) Program Information

##### 2.1 Policy and Goal

The City of Madison reaffirms its policy of nondiscrimination in the conduct of City business by maintaining a procurement process which remains open to all who have the potential and ability to sell goods and services to the City. It is the policy of the City of Madison to allow Small Business Enterprises (SBE) maximum feasible opportunity to participate in City of Madison contracting. The bidder acknowledges that its bid has been submitted in accordance with the SBE program and is for the public's protection and welfare.

Please refer to the "ADVERTISEMENT FOR BIDS" for the goal for the utilization of SBEs on this project. SBEs may participate as subcontractors, vendors and/or suppliers, which provide a commercially useful function. The dollar value for SBE suppliers or 'materials only' vendors shall be discounted to 60% for purposes of meeting SBE goals.

A bidder which achieves or exceeds the SBE goal will be in compliance with the SBE requirements of this project. In the event that the bidder is unable to achieve the SBE goal, the bidder must demonstrate that a good faith effort to do so was made. Failure to either achieve the goal or demonstrate a good faith effort to do so will be grounds for the bidder being deemed a non-responsible contractor ineligible for award of this contract.

A bidder may count towards its attainment of the SBE goal only those expenditures to SBEs that perform a commercially useful function. For purposes of evaluating a bidder's responsiveness to the attainment of the SBE goal, the contract participation by an SBE is based on the percentage of the total base bid proposed by the Contractor. The total base bid price is inclusive of all addenda.

Work performed by an SBE firm in a particular transaction can be counted toward the goal only if it involves a commercially useful function. That is, in light of industry practices and other relevant considerations, does the SBE firm have a necessary and useful role in the transaction, of a kind for which there is a market outside the context of the SBE Program, or is the firm's role a superfluous step added in an attempt to obtain credit towards goals? If, in the judgment of the Affirmative Action Division, the SBE firm will not perform a commercially useful function in the transaction, no credit towards goals will be awarded.

The question of whether a firm is performing a commercially useful function is completely separate from the question of whether the firm is an eligible SBE. A firm is eligible if it meets the definitional criteria and ownership and control requirements, as set forth in the City of Madison's SBE Program.

If the City of Madison determines that the SBE firm is performing a commercially useful function, then the City of Madison must then decide what that function is. If the commercially useful function is that of an SBE vendor / supplier that regularly transacts business with the respective product, then the City of Madison will count 60% of the value of the product supplied toward SBE goals.

To be counted, the SBE vendor / supplier must be engaged in selling the product in question to the public. This is important in distinguishing an SBE vendor / supplier, which has a regular trade with a variety of customers, from a firm which performs supplier-like functions on an ad hoc basis or for only one or two contractors with whom it has a special relationship.

A supplier of bulk goods may qualify as an eligible SBE vendor / supplier if it either maintains an inventory or owns or operates distribution equipment. With respect to the distribution equipment; e.g., a fleet of trucks, the term "operates" is intended to cover a situation in which the supplier leases the equipment on a regular basis for its entire business. It is not intended to cover a situation in which the firm simply provides drivers for trucks owned or leased by another party; e.g., a prime contractor, or leases such a party's trucks on an ad hoc basis for a specific job.

If the commercially useful function being performed is not that of a qualified SBE vendor / supplier, but rather that of delivery of products, obtaining bonding or insurance, procurement of personnel, acting as a broker or manufacturer's representative in the procurement of supplies, facilities, or materials, etc., only the fees or commissions will apply towards the goal.

For example, a business that simply transfers title of a product from manufacturer to ultimate purchaser; e. g., a sales representative who re-invoices a steel product from the steel company to the Contractor, or a firm that puts a product into a container for delivery would not be considered a qualified SBE vendor / supplier. The Contractor would not receive credit based on a percentage of the cost of the product for working with such firms.

Concerning the use of services that help the Contractor obtain needed supplies, personnel, materials or equipment to perform a contract: only the fee received by the service provider will be counted toward the goal. For example, use of a SBE sales representative or distributor for a steel company, if performing a commercially useful function at all, would entitle the Contractor receiving the steel to count only the fee paid to the representative or distributor toward the goal. This provision would also govern fees for professional and other services obtained expressly and solely to perform work relating to a specific contract.

Concerning transportation or delivery services: if an SBE trucking company picks up a product from a manufacturer or a qualified vendor / supplier and delivers the product to the Contractor, the commercially useful function it is performing is not that of a supplier, but simply that of a transporter of goods. Unless the trucking company is itself the manufacturer or a qualified vendor / supplier in the product, credit cannot be given based on a percentage of the cost of the product. Rather, credit would be allowed for the cost of the transportation service.

The City is aware that the rule's language does not explicitly mention every kind of business that may contribute work on this project. In administering these programs, the City would, on a case-by-case basis, determine the appropriate counting formula to apply in a particular situation.

## **2.2 Contract Compliance**

Questions concerning the SBE Program shall be directed to the Contract Compliance Officer of the City of Madison Department of Civil Rights, Affirmative Action Division, 210 Martin Luther King, Jr. Blvd., Room 523, Madison, WI 53703; telephone (608) 266-4910.

## 2.3 Certification of SBE by City of Madison

The Affirmative Action Division maintains a directory of SBEs which are currently certified as such by the City of Madison. Contact the Contract Compliance Officer as indicated in Section 2.2 to receive a copy of the SBE Directory or you may access the SBE Directory online at [www.cityofmadison.com/dcr/aaTBDir.cfm](http://www.cityofmadison.com/dcr/aaTBDir.cfm).

All contractors, subcontractors, vendors and suppliers seeking SBE status must complete and submit the **Targeted Business Certification Application** to the City of Madison Affirmative Action Division by the time and date established for receipt of bids. A copy of the Targeted Business Certification Application is available by contacting the Contract Compliance Officer at the address and telephone indicated in Section 2.2 or you may access the Targeted Business Certification Application online at [www.cityofmadison.com/dcr/aaTBDir.cfm](http://www.cityofmadison.com/dcr/aaTBDir.cfm). Submittal of the Targeted Business Certification Application by the time specified does not guarantee that the applicant will be certified as a SBE eligible to be utilized towards meeting the SBE goal for this project.

## 2.4 Small Business Enterprise Compliance Report

### 2.4.1 Good Faith Efforts

Bidders shall take all necessary affirmative steps to assure that SBEs are utilized when possible and that the established SBE goal for this project is achieved. A contractor who self performs a portion of the work, and is pre-qualified to perform that category of work, may subcontract that portion of the work, but shall not be required to do so. When a bidder is unable to achieve the established SBE goal, the bidder must demonstrate that a good faith effort to do so was made. Such a good faith effort should include the following:

- 2.4.1.1 Attendance at the pre-bid meeting.
- 2.4.1.2 Using the City of Madison's directory of certified SBEs to identify SBEs from which to solicit bids.
- 2.4.1.3 Assuring that SBEs are solicited whenever they are potential sources.
- 2.4.1.4 Referring prospective SBEs to the City of Madison Affirmative Action Division for certification.
- 2.4.1.5 Dividing total project requirements into smaller tasks and/or quantities, where economically feasible, to permit maximum feasible SBE participation.
- 2.4.1.6 Establishing delivery schedules, where requirements permit, which will encourage participation by SBEs.
- 2.4.1.7 Providing SBEs with specific information regarding the work to be performed.
- 2.4.1.8 Contacting SBEs in advance of the deadline to allow such businesses sufficient time to prepare a bid.
- 2.4.1.9 Utilizing the bid of a qualified and competent SBE when the bid of such a business is deemed reasonable (i.e. 5% above the lowest bidder), although not necessarily low.
- 2.4.1.10 Contacting SBEs which submit a bid, to inquire about the details of the bid and confirm that the scope of the work was interpreted as intended.
- 2.4.1.11 Completion of Cover Page (page C-6), Summary Sheet (page C-7) and SBE Contact Reports (pages C-8 and C9) if applicable.



## 2.4.2 Reporting SBE Utilization and Good Faith Efforts

The Small Business Enterprise Compliance Report is to be submitted by the bidder with the bid: This report is due by the specified bid closing time and date. Bids submitted without a completed SBE Compliance Report as outlined below may be deemed non-responsible and the bidder ineligible for award of this contract. Notwithstanding any language to the contrary contained herein, the City may exercise its discretion to allow bidders to correct or supplement submissions after bid opening, if the minor discrepancy, bid irregularity or omission is insignificant and not one related to price, quality, quantity, time of completion, performance of the contract, or percentage of SBE utilization.

2.4.2.1 If the Bidder meets or exceeds the goal established for SBE utilization, the Small Business Enterprise Compliance Report shall consist of the following:

- 2.4.2.1.1 **Cover Page**, Page C-6; and
- 2.4.2.1.2 **Summary Sheet**, C-7.

2.4.2.2 If the bidder does not meet the goal established for SBE utilization, the Small Business Enterprise Compliance Report shall consist of the following:

- 2.4.2.2.1 **Cover Page**, Page C-6;
- 2.4.2.2.2 **Summary Sheet**, C-7; and
- 2.4.2.2.3 **SBE Contact Report**, C-8 and C-9. (A separate Contact Report must be completed for each applicable SBE which is not utilized.)

## 2.5 Appeal Procedure

A bidder which does not achieve the established goal and is found non-responsible for failure to demonstrate a good faith effort to achieve such goal and subsequently denied eligibility for award of contract may appeal that decision to the Small Business Enterprises Appeals Committee. All appeals shall be made in writing, and shall be delivered to and received by the City Engineer no later than 4:30 PM on the third business day following the bidder's receipt of the written notification of ineligibility by the Affirmative Action Division Manager. Postmark not acceptable. The notice of appeal shall state the basis for the appeal of the decision of the Affirmative Action Division Manager. The Appeal shall take place in accordance with Madison General Ordinance 33.54.

## 2.6 SBE Requirements After Award of the Contract

The successful bidder shall identify SBE subcontractors, suppliers and vendors on the subcontractor list in accordance with the specifications. The Contractor shall submit a detailed explanation of any variances between the listing of SBE subcontractors, vendors and/or suppliers on the subcontractor list and the Contractor's SBE Compliance Report for SBE participation.

No change in SBE subcontractors, vendors and/or suppliers from those SBEs indicated in the SBE Compliance Report will be allowed without prior approval from the Engineer and the Affirmative Action Division. The contractor shall submit in writing to the City of Madison Affirmative Action Division a request to change any SBE citing specific reasons which necessitate such a change. The Affirmative Action Division will use a general test of reasonableness in approving or rejecting the contractor's request for change. If the request is approved, the Contractor will make every effort to utilize another SBE if available.

The City will monitor the project to ensure that the actual percentage commitment to SBE firms is carried out.

## **2.7 SBE Definition and Eligibility Guidelines**

A Small Business Enterprise is a business concern awarded certification by the City of Madison. For the purposes of this program a Small Business Enterprise is defined as:

- A. An independent business operated under a single management. The business may not be a subsidiary of any other business and the stock or ownership may not be held by any individual or any business operating in the same or a similar field. In determining whether an entity qualifies as a SBE, the City shall consider all factors relevant to being an independent business including, but not limited to, the date the business was established, adequacy of its resources for the work in which it proposes to involve itself, the degree to which financial, equipment leasing and other relationships exist with other ineligible firms in the same or similar lines of work. SBE owner(s) shall enjoy the customary incidents of ownership and shall share in the risks and profits commensurate with their enjoyment interests, as demonstrated by an examination of the substance rather than form or arrangements that may be reflected in its ownership documents.
- B. A business that has averaged no more than \$4.0 million in annual gross receipts over the prior three year period and the principal owner(s) do not have a personal net worth in excess of \$1.32 million.

Firm and/or individuals that submit fraudulent documents/testimony may be barred from doing business with the City and/or forfeit existing contracts.

SBE certification is valid for one (1) year unless revoked.

## SECTION D: SPECIAL PROVISIONS

### N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST RESURFACING WITH UTILITIES ASSESSMENT DISTRICT - 2018 CONTRACT NO. 8191

It is the intent of these Special Provisions to set forth the final contractual intent as to the matter involved and shall prevail over the Standard Specifications and plans whenever in conflict therewith. In order that comparisons between the Special Provisions can be readily made, the numbering system for the Special Provisions is equivalent to that of the Specifications.

Whenever in these Specifications the term "Standard Specifications" appears, it shall be taken to refer to the City of Madison Standard Specifications for Public Works Construction and Supplements thereto.

#### SECTION 102.12: BEST VALUE CONTRACTING

This Contract shall be considered a Best Value Contract if the Contractor's bid is equal to or greater than \$61,000 for a single trade contract; or equal to or greater than \$297,500 for a multi-trade contract pursuant to MGO 33.07(7).

#### ARTICLE 104 SCOPE OF WORK

This contract consists of three (3) separate street resurfacing locations. The work shall consist of replacing sanitary and storm sewer, water main, installing new storm sewer, removing and replacing concrete curb and gutter, sidewalk, and drive aprons, excavation cut, crushed aggregate base course, pulverizing and shaping the roadway as noted in the specifications and on the plans.

**The Contractor shall view all sites prior to bidding** to become familiar with the existing conditions. It will be the responsibility of the Contractor to work with the utilities located in the right of way to resolve conflicts during the construction process.

This contract consists of three (3) separate locations:

##### N Blackhawk Ave – Bluff St to University Ave

Work shall include replacing the water main and laterals, installing new sanitary and replacing laterals, and installing new storm sewer between Bluff St and University Ave. Curb and gutter, drive aprons, and sidewalks shall be replaced where necessary to facilitate the sewer and water main work or where in poor condition. The street will be excavated, new 12" crushed aggregate base course consisting of ONLY gradation 2 and gradation 3 (top few inches for leveling purposes only). The street will be paved with 2.50" 3 LT 58-28 S lower layer and 2.00" 4 LT 58-28 S upper layer.

##### Bruce Court

Work shall include replacing the sanitary sewer on the street. Curb and gutter, drive aprons, and sidewalks shall be replaced where necessary to facilitate the sanitary sewer work or where in poor condition. The street will be pulverized, shaped, and paved with 3.50" 4 LT 58-28 S asphaltic pavement.

##### Heather Crest – N Meadow Ln to N Owen Dr

Work shall include replacing the sanitary and storm sewer on the street. Curb and gutter, drive aprons, and sidewalks shall be replaced where necessary to facilitate the sewer work or where in poor condition. The street will be pulverized, shaped, and paved with 3.50" 4 LT 58-28 S asphaltic pavement.

#### SECTION 104.4 INCREASED OR DECREASED QUANTITIES

The Contractor shall note that some bid item quantities may increase or decrease based on what is encountered in the field. If the actual field conditions vary from the plan quantity, no additional compensation shall be given for increasing or decreasing quantities. Any overruns shall be paid for under

the appropriate bid item(s) without any penalty or change to the bid price for the associated bid item. The Contractor shall not be reimbursed for any deletions to the contract. No change to the unit bid price will be allowed for changes to the quantities.

The Contractor shall note that the bid items for sidewalk removal and replacement may increase or decrease based on what is encountered in the field. It is anticipated that 100 SF of sidewalk removal and replacement would be required for each of the sanitary lateral replacements. It is also anticipated that there will be 20' of curb & gutter replaced for each lateral that is replaced with this project.

**SECTION 104.10      CLEANING UP**

Excess concrete from finishing operations and from spillage on adjacent sidewalk and curb & gutter shall be removed immediately. Excess concrete or mortar from the finishing operation and spillage into SASS and inlets shall be removed immediately.

**SECTION 105.12      COOPERATION BY THE CONTRACTOR**

The Contractor shall use care around all existing trees, plantings, fences, walls, steps and driveways that are to remain. Damage to these items during construction shall be repaired or replaced at the Contractor's expense. No trees, other than those shown on the plan to be removed, shall be cut without the approval of the Engineer and the City Forester; the abutting property owners shall be notified in accordance with the City's Administrative Procedure Memorandum No. 6-2.

The Contractor shall maintain access for property owners, mail delivery and garbage/recycling pickup for all properties in the project area. All private storm sewer discharges shall be maintained for all properties in the project area.

Work in this contract will require utility relocations to install the new sanitary and storm sewer main. It will be the responsibility of the Contractor to work with the utilities located in the right of way to resolve conflicts during the construction process and provide working area for installation of new facilities.

The contractor shall coordinate the work with the City of Madison Traffic Engineering Division. The Traffic Engineering Dept. 266-4761 shall be contacted prior to construction beginning on any item noted in the plans.

**SECTION 107.1      PUBLIC CONVENIENCE AND SAFETY**

Access to businesses and commercial driveways shall be maintained at all times. The Contractor shall coordinate with parking lot property owners to maintain access and notify residents of access routes.

The Contractor shall properly barricade and light all work areas. Sidewalk forms, form pins and other items incidental to the work shall not be left or stored on the sidewalk or in the sidewalk area.

For work on Bruce Court and Heather Crest, the contractor shall not be allowed to remove curb and gutter from both sides of the street at the same time unless approved by the Engineer. This is in order to minimize the amount of on street parking required by property owners within any given block at the same time.

If sidewalk exists on both sides of any given block, the Contractor shall complete all repairs and reopen the sidewalk on one side of the block before beginning repairs on the opposite side of the block.

The Contractor shall backfill along both sides of the newly poured sidewalk immediately following removal of the sidewalk forms.

**SECTION 107.2**            **PROTECTION AND RESTORATION OF PROPERTY AND PROPERTY OWNERS**

Care shall be taken not to disturb property irons, sod areas and retaining walls on private property. Sidewalk forms, form pins and other items incidental to the work shall, at no time, be placed on private property.

**SECTION 107.6**            **DUST PROOFING**

The Contractor shall take all necessary steps to control dust arising from operations connected with this contract. When ordered by the Engineer, the Contractor shall dust proof the construction area by using power sweepers and water. Dust proofing shall be incidental with operations connected with this contract.

**SECTION 107.7**            **MAINTENANCE OF TRAFFIC**

All signing and barricading shall conform to Part VI of the Federal Highways Administrations "Manual on Uniform Traffic Control Devices" (MUTCD), the State of Wisconsin Standard Facilities Development Manual (including Chapter 16 – Standard Detail Drawings) and the City of Madison Standards for sidewalk and bikeway closures.

The Contractor shall submit an acceptable Traffic Control Plan, including all necessary phases, to Jeremy Nash, [jnash@cityofmadison.com](mailto:jnash@cityofmadison.com), five working days prior to the pre-construction meeting. The Traffic Control Plan shall address all requirements of this section of the Special Provisions. The Contractor shall not start work on this project until the Traffic Engineering Division has approved a traffic control plan and traffic control devices have been installed, in accordance with the approved plan. Failure of the Contractor to obtain approval of a Traffic Control Plan, as specified above, may prevent the Contractor from starting work and shall be considered a delay of the project, caused by the Contractor.

The traffic control plan may need to be altered as conditions change in the field or as unexpected conditions occur. This may include relocating existing traffic control or providing additional traffic control. The Contractor shall install and maintain any necessary modifications or additions to the traffic control, as directed by the City Traffic Engineer, at no cost to the City.

Traffic Control shall be measured as a single lump sum for Traffic Control at all locations. Payment for the Traffic Control is full compensation for constructing, assembling, hauling, erecting, re-erecting, maintaining, restoring, and removing non permanent traffic signs, drums, barricades, and similar control devices, including arrow boards, for providing, placing, and maintaining work zone. Maintaining shall include replacing damaged or stolen traffic control devices. Traffic control necessary to install temporary or permanent pavement markings shall be included in the Traffic Control Lump Sum Bid Item.

**N Blackhawk Avenue**

North Blackhawk Avenue may be closed to through traffic for the duration of construction.

**Heather Crest**

Heather Crest may be closed to through traffic between N Meadow Lane and N Owen Drive for the duration of construction. Work done in the intersection of N Meadow Lane and Heather Crest shall be done with the use of a flagger to maintain traffic at the intersection. Work at this intersection shall be completed within two calendar days to minimize impacts to traffic. The intersection shall be open to traffic on a hard surface overnight and when work is not being done.

**Bruce Court**

Two way traffic shall be maintained on Lucia Crest with one lane of traffic in each direction at least 11 feet in width while work is occurring on Bruce Court.

Construction equipment or materials shall not be stored in the roadway or street right-of-way that is open to traffic during non-working hours. Construction equipment and materials are not to be stored within the street right-of-way that is outside the project limits as shown on the approved plan.

Tubular markers used to separate traffic in opposite directions shall be per WISDOT S.D.D. 15C-11. Tubular markers used to shift traffic and placed between traffic operating in the same direction shall be white in color with yellow reflective tape.

The work areas shall be backfilled, plated, or protected by traffic control devices during non-working hours. If steel plates are used, the Contractor shall notify the City of Madison Streets Division, 266-4681, one working day prior to placement of the plates.

Contractor shall place portable changeable message boards at least one week in advance of the start of work, notifying the public of the start of construction. One portable changeable message board will be required for each direction of traffic on N Blackhawk Avenue. Contractor shall locate the portable changeable message boards as directed by the Engineer.

The intersection of N Blackhawk Ave. and Bluff St. may be closed for up to 30 consecutive calendar days. The contractor shall maintain bus and motor vehicle access for any work required at this intersection beyond the 30 day period. Contractor shall make all efforts to ensure work in the N Blackhawk Ave/Bluff St. intersection is sufficiently completed to allow vehicular traffic between September 4, 2018 and June 11, 2019 or by September 3, 2019.

Contractor shall notify the City of Madison Police Department, Fire Department, Madison Metro, and Traffic Engineering 48 hours in advance of all switchovers of traffic lanes and closures of streets. Notifications must be given by 4:00 P.M. on Thursday for any such work to be done on the following Monday. Notify Madison Metro one week prior to traffic switches, street closures, and reopening the road to through traffic for bus routing. Madison Metro contact is Tim Sobota (608) 261-4289.

Contractor is responsible for obtaining and installing temporary no parking signs to facilitate traffic control plan or as necessary to complete the work within the contract. The contractor shall contact John Villareal with the City of Madison Parking Utility (608-267-8756) at least 3 working days prior to needing the signs. Contractor shall post signs in accordance with the City of Madison Police Department Guidelines for temporary no parking restrictions for construction or special events. The guidelines can be found at the link listed below. This shall be considered incidental to the traffic control lump sum bid item.

[http://www.cityofmadison.com/business/pw/documents/guidelines\\_temporarynoparkingrestrictions.pdf](http://www.cityofmadison.com/business/pw/documents/guidelines_temporarynoparkingrestrictions.pdf)

Notify residents and businesses in writing at least 2 days (48 hours) prior to restricting access to any driveway. Notify residents and businesses in writing at least 3 days (72 hours) prior to closing any access to any driveway.

Provide emergency vehicles with adequate access to all properties along the project at all times.

Provide access for mail delivery to all properties.

The Contractor shall not remove traffic signs. For removal or replacement of traffic and parking signs, contact the City of Madison Traffic Engineering Field Operations, 1120 Sayle Street, 266-4767, 8:00 a.m. to 4:00 p.m., a minimum of 2 working days in advance of when any existing signs need to be removed. This service is provided free of charge. If the contractor removes the signs, the contractor will be billed for the reinstallation of, and any damage to, the signing equipment. The contractor shall notify The City of Madison Traffic Engineering Field Operations, 1120 Sayle Street, 266-4767 upon completion of final landscaping to have permanent signs reinstalled. The contractor shall expect a minimum of seven working days to have permanent signs reinstalled. The contractor shall leave in place all necessary traffic control until given notice by the construction engineer that permanent signing is in place and temporary traffic control may be removed.

Contact Jeremy Nash, Traffic Engineering Division, [jnash@cityofmadison.com](mailto:jnash@cityofmadison.com), 608-266-6585, with any questions concerning these traffic control specifications.

## **SECTION 108.2 PERMITS**

The City of Madison has obtained a City of Madison Erosion Control Permit and has submitted a DNR Water Resources Application for Project Permit (WRAPP), formerly known as Notice of Intent (NOI), to obtain coverage under a Construction Site General Permit.

The Contractor shall meet the conditions of the permits by properly installing and maintaining the erosion control measures shown on the plans, specified in these Special Provisions, or as directed by the Construction Engineer or his designees. This work will be paid for under the appropriate contract bid items or, if appropriate items are not included in the contract, it shall be paid for as Extra Work.

This permit covers trench dewatering to a maximum of 70 gallons/minute from the project, provided appropriate control measures are in place. The City's obtaining of this permit is not intended to be exhaustive of all permits that may be required to be obtained by the Contractor for the construction of this project. It shall be the responsibility of the Contractor to identify and obtain any other permits needed for construction.

The Contractor shall refer to section 210.6 Erosion Control Implementation and Enforcement for additional information on the requirements regarding this topic.

## **SECTION 109.2 PROSECUTION OF WORK**

The Contractor shall have two options for completion of work on this project: (1) perform a portion of the work in 2018 and complete construction in 2019 (2) complete all portions of the construction in 2019. The Contractor shall notify City Engineering of their preferred option within seven (7) days following the award of the contract.

If Option (1) is chosen, the contract shall be suspended during the winter months and time shall not be charged against the project. There will be no additional compensation for additional mobilization payments, or any other compensation for costs associated with suspending the work for the winter months if the Contractor chooses to perform part of the work in 2018. If Option (1) is chosen, the Contractor may begin work as early as **July 16, 2018** and shall complete the contract in **ONE HUNDRED EIGHTY (180) CALENDAR DAYS** from the start work date. Any disturbed areas in 2018 must have final curb, driveway, and pavement installed prior to suspension of work for winter months. Cold weather protection for these items is considered incidental.

If the Contractor elects to perform all of the work in 2019, the work must be completed by **OCTOBER 11, 2019**.

Once work begins on Bruce Court, all work on Bruce Court shall be completed within 21 working days. Once work begins on Heather Crest, all work on Heather Crest shall be completed within 21 working days.

The Contractor shall anticipate multiple crews as required to complete the work in the time frame provided and under the traffic restrictions outlined in these provisions.

Work shall begin only after the start work letter is received. The Contractor shall limit workdays to 7:00 p.m. unless approved by the Engineer in writing.

## **SECTION 109.9 LIQUIDATED DAMAGES**

The fixed, agreed, and liquidated damages for failure to complete the work at any of the locations in section 109.2 of these Special Provisions in timeframes specified in said section shall be \$1055 per calendar day. In the event that more than one project location is not completed in the timeframe specified,

the maximum fixed, agreed, and liquidated damages shall not exceed \$1510. The fixed, agreed, and liquidated damages for failure to complete all work within the contract in the timeframe specified in Section 109.2 of these Special Provisions shall be \$1355 per calendar day.

**SECTION 210.1(d)      STREET SWEEPING**

When required by either the erosion control plan or the Construction Engineer, the Contractor shall perform mechanical street sweeping on all streets or paved surfaces affected by construction equipment, hauling or related construction activities that result in mud tracking or siltation. Mechanical street sweeping shall be completed as directed by the Construction Engineer and shall remove and collect all loose material to the satisfaction of the Construction Engineer. Depending on site conditions, construction activities, and hauling methods utilized by the Contractor, mechanical street sweeping may be required multiple times throughout the day with an absolute minimum that all streets are clean at the end of the workday. Areas not accessible by mechanical street sweepers may require hand scraping with shovels. Sweepers used on to meet the requirements of this specification shall have the ability to collect debris, and pre-wet the pavement. Pre-wetting may be accomplished by a separate piece of equipment at the contractor's option. Equipment that simply brooms material into the air or directs it toward the terrace without physical collection of it shall not be considered adequate.

**SECTION 210.6      EROSION CONTROL IMPLEMENTATION AND ENFORCEMENT**

Timely action regarding the maintenance of erosion control practices is critical to compliance with the City of Madison's land disturbance permits as issued by both the WDNR and the City. To allow the City to be assured of compliance with these permits, and federal, state and local laws, the Contractor shall be required to proceed in the following manner with regard to the maintenance of these practices.

In the event an erosion control practice is determined by the Engineer or their designee to require maintenance, or if the terms of the erosion control permit are not being met, the Engineer shall order the Contractor, in writing, to maintain the erosion control practice/device or comply with the terms of the permit. The contractor shall have forty-eight (48) hours to complete that work and provide documentation that it has been completed to the Engineer.

Failure to complete the work within the forty-eight (48) hours shall result in any or all of the following actions by the Engineer:

- 1) The Contractor shall be charged one (1) day of liquidated damages for failure to complete the work during the ordered timeframe and an additional day of liquidated damages for each twenty-four (24) hours period that passes after the initial forty-eight (48) hours during which time the ordered work is not completed.
- 2) At the Engineer's discretion, the work ordered may be completed by City Forces. In this case, the Contractor shall be charged the liquidated damages as described in 1 above and shall be charged the full cost of City Forces responding to complete the ordered work.
- 3) At the Engineer's discretion, work on the project as a whole may be suspended under Section 109.6 until such time as the Contractor completes the originally ordered work. In this case, the Contractor shall still be charged liquidated damages as described in 1 above. Additionally, days of work will continue to be charged during the suspension of work. If this results in the Contractor failing to complete the project within the allotted contract time, then additional liquidated damages shall be charged.

Notwithstanding the foregoing, the failure to comply with an order under this Section may constitute a default under Section 109.10.

The Engineer's decision under this Section may be reviewed under Section 105.2.



### **BID ITEM 30201 – TYPE ‘A’ CONCRETE CURB & GUTTER**

Curb replacement shall match the existing curb and gutter type, and shall be measured and paid as Type 'A'. All curb not specifically noted otherwise, shall be measured and paid as Type 'A' curb & gutter.

### **BID ITEM 30208 – HAND FORMED CURB & GUTTER (TREE LOCATIONS)**

When placing Hand Formed Curb & Gutter adjacent to existing trees, the Contractor shall minimize the excavation necessary for the curb to be installed. The excavated area shall be limited to a maximum of 6 Inches behind the back of curb. The Contractor shall coordinate work with City Forestry as required by the standard specifications.

### **BID ITEM 40410 – CONCRETE SPEED HUMP**

All concrete speed humps shall be installed per Standard Detail Drawing 4.10 (Flow Through Gutter). The amount of excavation for the speed humps has already been included in the plan quantity for Excavation Cut, Bid Item 20101.

Concrete speed humps shall not be installed on top of any existing manholes/castings or in front of any driveways. If a conflict is discovered, contact the engineer to determine an alternate location of the speed hump.

## **ARTICLE 500                    SEWER AND SEWER STRUCTURES GENERAL**

The sewer designer for the project is Fadi El Musa. He may be contacted at (608) 243-5214 or at [felmusagonzalez@cityofmadison.com](mailto:felmusagonzalez@cityofmadison.com).

### **SANITARY SEWER GENERAL**

This project consists of the installation of 1111' of 8" diameter ASTM D3034 SDR-35/26, 2173' of 10" diameter ASTM D3034 SDR-35/26, and 2351' of sanitary sewer lateral ASTM D3034 SDR-35/26. Sanitary sewer pipe work shall include installing new sewer at the sizes and locations that are specified on the plan set and in accordance with the latest edition of the City of Madison Standard Specifications for Public Works Construction.

All new sanitary sewer access structures shall include the Neenah R-1550 R-1050 Frame w/ City of Madison Logo Lid 1550-0054(see S.D.D. 5.7.16 of the City of Madison Standard Specifications for Public Works Construction latest edition). All new sewer main connections may be factory cored and shall be included in the structure. All sewer main and/or laterals not slated for replacement that are damaged during the installation of a structure shall be replaced by the Contractor and shall be considered incidental to the project.

It is advised that the Contractor visit the site prior to bidding to determine the type of trench protection that will be necessary for the sanitary sewer main installation.

Per the City of Madison Standard Specifications for sanitary sewer lateral construction on street reconstruction projects, Contractors are encouraged to begin installation of sanitary lateral pipe at the proposed sewer main. If Contractor starts excavation for the lateral at the property line, it shall be at the Contractor's risk. If tree conflicts are encountered during the sanitary lateral replacement process, contractors are instructed to follow the new policy set in the Standard Specifications for Public Works Construction latest edition. No Utility Line Openings (ULOs) will be granted for the inability to locate the sanitary lateral at the property line. Any extra sidewalk removal will not be compensated to the Contractor looking for an existing sanitary lateral at the property line.

Contractors shall have a locator device on-site if they intend to start laying lateral pipe at the property line to minimize the amount of extra sidewalk removal. Each sanitary lateral shall have a maximum of 4 sidewalk squares removed and replaced. No additional compensation shall be awarded beyond this

amount for the replacement of a sewer lateral. If laterals called for reinstatement on the plans are to be plugged under the direction of the engineer on-site, contractors are required to use a sonde device to confirm that the laterals are not active. In addition, contractor will be required to provide videos of the laterals being abandoned prior to them being abandoned.

Sanitary lateral locations are based upon the City television reports and the City records. Proposed sanitary lateral locations near trees are subject to change based upon data obtained in the field and property owner involvement. Excavation near trees shall comply with Article 107.13 of the Standard Specifications. If 5 feet of separation from the tree to the excavation cannot be maintained, lateral replacement shall stop at the curb upon approval by the Construction Engineer. The Construction Engineer will make the determination whether the lateral replacement will need to stop at the curb.

Pipe Removal within the same trench as the proposed sewer is considered incidental to the new pipe being installed.

### **STORM SEWER GENERAL**

Storm sewer pipe work shall include installing approximately 4004 feet of new storm sewer of various sizes and materials.

Reconnection of existing pipes at new or existing structures, or new pipes at new or existing structures, shall be considered to be part of the work required to construct the new structure or to construct the new sewer pipe and shall not be rewarded with additional compensation. However, if the structure being removed is larger than the new structure, thus requiring additional pipe, the new pipe shall be paid under the appropriate bid item and the connection of the old pipe to the new pipe shall be accomplished with a concrete collar.

Where a new structure is to be constructed at an existing pipe, it is expected that the contractor shall saw cut the existing pipe in the required location to accommodate the placement of the new structure. If the contractor for his or her convenience deems it, more suitable to remove the existing pipe to a full joint, the additional pipe and concrete collar required to reconnect to the new structure shall be the contractor's responsibility and shall not be compensated.

Connection of new pipes to existing structures shall be accommodated with a Storm Sewer Tap – Bid Item 50792.

Precast structures are only allowed where field poured structures are not specifically called for, and no precast structures are allowed until ULO's are completed and approval of the design engineer has been received.

### **BID ITEM 50353 – SANITARY SEWER LATERAL (SDR 26/SDR 35)**

Sanitary sewer laterals shown on the construction plans were located by City television inspection and records only.

Where the existing sanitary sewer laterals are being extended to connect to the new sanitary sewer main (being installed in a different location as the existing main), pipe plugs shall be required to plug the existing sanitary sewer main on both sides of the old lateral location. The pipe plugs shall be considered incidental to the bid price for SANITARY SEWER LATERAL. All work associated with this bid item shall comply with Article 503 of the Standard Specifications.

Per the City of Madison Standard Specifications for sanitary sewer lateral construction on street reconstruction projects, Contractors are encouraged to begin installation of sanitary lateral pipe at the proposed sewer main. If Contractor starts excavation for the lateral at the property line, it shall be at the Contractor's risk. No Utility Line Openings (ULO's) will be granted for the inability to locate the sanitary lateral at the property line. Any extra sidewalk removal will not be compensated to the Contractor looking for an existing sanitary lateral at the property line. Contractors are encouraged to have a locator device

on-site if they intend to start laying lateral pipe at the property line to minimize the amount of extra sidewalk removal.

Proposed sanitary lateral locations near trees are subject to change based upon data obtained in the field and property owner involvement. Excavation near trees shall comply with Article 107.13 of the Standard Specifications. If 5 ft of separation from the tree to the excavation cannot be maintained, lateral replacement shall stop at the curb upon approval by the construction engineer.

**BID ITEM 50356 – RECONNECT**

The first 5 feet of pipe shall be included with this bid item regardless of pipe type or fittings used. Beyond 5 feet, the amount of pipe installed shall be paid separately under Bid Item 50353-Sanitary Sewer Lateral.

The first 5 feet of lateral pipe/ fittings measured from the sewer main shall be considered the reconnect for all sewer lateral reconnections. Laterals connecting to Sewer Access Structures shall be paid for separately under Bid Item 50791-Sanitary Sewer Tap. 5 feet of sanitary sewer lateral pipe is not considered incidental to the sanitary tap connection. Sanitary Sewer Risers in this project shall be constructed per Standard Detail Drawing 5.3.1. and shall be paid for as a Reconnect.

**BID ITEM 50390 – SEWER ELECTRONIC MARKERS**

With regard to the City of Madison Standard Specifications for Public Works Construction latest edition Article 503.3(c), each sanitary lateral shall have a minimum of two (2) electronic markers with the City providing the Contractor with the required number of electronic markers. For sanitary laterals, which only include the installation of a wye, a marker ball shall be installed directly above the wye connection to the main.

**BID ITEM 50801 – UTILITY LINE OPENING (ULO)**

The work under this item shall be completed in accordance with Article 508 of the Standard Specifications for Public Works Construction latest edition. It is the discretion of the contractor to locate utilities either by a trench excavation or by a pothole technique. However, the contractor shall not be compensated more than once for multiple utilities located within a maximum distance of five (5) feet long.

**SECTION 701                      PROVISIONS FOR WATER INSTALLATION AND ABANDONMENT**

The Water Utility designer for the project is Amanda Schockling. She may be contacted at (608) 261-9243 or [aschockling@madisonwater.org](mailto:aschockling@madisonwater.org). Adam Wiederhoeft, PE can also be contacted at (608) 266-9121 or [awiederhoeft@madisonwater.org](mailto:awiederhoeft@madisonwater.org).

The proposed water system improvements in this Contract include furnishing and installing approximately 1,525-feet of new 8-inch diameter ductile iron water main and associated valves, hydrants and service lateral connections on N Blackhawk Ave from University Ave to Stevens St (see Sheets W-1 to W-2).

Once the new systems have passed the required pressure and water quality tests, cut off, extend as necessary, and reconnect the existing water service laterals to the new water mains (unless the service is to be abandoned). Services will be reconnected to the new main as shown on the plans. Service lateral work in conflict with tree protection specifications and/or damaged service laterals may require relocation or replacement of the lateral. Any service lateral work other than what is designated on the plans must be authorized in advance by the Water Utility Inspector and will be paid under BID ITEM: 70053 – REPLACE 1-INCH COPPER SERVICE LATERAL.

The water main construction also includes concrete work, such as curb & gutter removal and replacement at various locations, as designated on the plans. Payment shall be made only for authorized and required curb replacement in the designated areas. Additional removal and replacement work to accommodate water main construction must be authorized by the Water Utility Construction Inspector or Engineer during construction to be considered for payment.

Take all necessary precautions to protect the existing Madison Water Utility system and ensure its proper functioning during construction.

View the site prior to bidding and become familiar with existing conditions and utilities.

**SECTION 702 MATERIALS**

Furnish all materials, labor and equipment necessary to complete this project except any proposed tapping sleeves, tapping valves and tapping valve boxes. Water Utility will furnish the tapping sleeves, tapping valves, tapping valve boxes, and the crew to perform the taps.

**SECTION 703 CONSTRUCTION METHODS**

Perform all work in accordance with these provisions and the City of Madison Standard Specifications, current edition. Keep all valves accessible and functioning throughout the duration of the work or directed otherwise by the Water Utility representative.

In addition to the construction methods required by the Standard Specifications, the following requirements apply to work under this Contract:

**EXISTING WATER LATERALS LOCATED IN PROXIMITY OF PROPOSED SEWERS**

Adjust elevation of existing copper laterals, as necessary, to accommodate the installation of the proposed sewer facilities. Any required adjustment of existing water laterals performed to accommodate elevations of proposed sewers is considered incidental to the construction of the sewer systems.

**ACCESS REQUIREMENTS**

During all water construction activities, vehicle driveway access must be maintained, or otherwise provided by work-phasing or other temporary access measures, to all non-residential properties located along the project. Coordinate access needs, as applicable, with contacts provided in the 'Water Shut-Off and Notification Requirements' section below. This requirement and any associated work to accommodate shall be incidental to the water main construction in this contract.

**WATER SHUT-OFF AND NOTIFICATION REQUIREMENTS**

In addition to the water shut-off and notification requirements in the Standard Specifications, the following requirements apply to water work under this Contract:

Welton Enterprises – 702 N Blackhawk Ave  
Phone: (608) 833-5590

Shell Gas Station – 3401 University Ave  
Phone: (608) 238-6166

Contact Bill, Joan, or Casey before shut-off. Peak times are 6-9AM and 4-7PM, so ideally shutoff between 9AM-4PM. Call back to tell about hydrant by sign.

Exxon Mobil Gas Station – 3505 University Ave  
Phone: (608) 238-1088

**WATER UTILITY GENERAL NOTES FOR SPECIFIC WORK:**

- WN1 Replace the existing lead service with a new copper service.
- WN2 Extend and reconnect the existing copper service to the new water main.
- WN3 Existing service to be abandoned when water main is cut-off.

WN4	Disconnect service from the old water main and reconnect the existing copper water service lateral to the new water main.
WN5	Relocate the existing fire hydrant.
WN6	Abandon water valve access structure.
WN7	Furnish and install the new top section for the water access structure.
WN8	Abandon the valve box.
WN9	Furnish the ditch, compaction and all materials and labor for the installation of new service lateral.
WN10	Remove and salvage existing hydrant.
WN11	Replace the existing copper service with a new copper service.

**BID ITEM 70454 – REPLACE COPPER SERVICE LATERAL**

This bid item applies to properties at 713 N Blackhawk Ave, 717 N Blackhawk Ave, and 721 N Blackhawk Ave. The existing water main is located in the right-of-way through the front yards of these properties. The replacement service laterals will include placing the new curb stop and curb box a minimum of 8-feet into the street right-of-way on N Blackhawk Ave. Coordinate the exact location of each curb stop and curb box with the Water Utility Inspector.

In addition to the Standard Specifications, the new service may be installed by alternative methods such as boring if the contractor elects to do so. Any method selected must be able to maintain a 6-foot bury depth of the new service lateral over the entire distance.

Incidental to this bid item:

All work associated with this bid item shall be covered under the Standard Specifications for tree protection, regardless if the work in the easement is outside of the street right-of-way. Contact Engineer prior to any proposed tree or shrub trimming.

All surface disturbances associated with this work are to be restored to at-least the pre-replacement condition.

Coordinate with each customer when planning and scheduling each service replacement. Ensure that each affected customer is aware of what method of replacement has been selected, the anticipated impact to the property, the anticipated duration of disturbance, and the methods of restoration.

Make all reasonable accommodations to minimize impact to the customer's property and schedules.

**BID ITEM 90001 – TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS**

**DESCRIPTION**

This bid item includes all work, materials, equipment and labor necessary to install Traffic Control Flexible Tubular Marker Posts. All work under this bid item shall be in accordance with Section 633 of the current edition of the WISDOT standard specs.

**METHOD OF MEASUREMENT**

Traffic Control Flexible Tubular Marker Posts shall be measured as set forth in Section 633.4 of the Wisconsin DOT Standard Specifications, which shall be measured on a per unit basis acceptably installed.

**BASIS OF PAYMENT**

Traffic Control Flexible Tubular Marker posts will be paid at the contract unit price, which shall be full compensation for all work as provided in the description.

**BID ITEM 90002 – TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES**

**DESCRIPTION**

This bid item includes all work, materials, equipment and labor necessary to install Traffic Control Flexible Tubular Marker Bases. All work under this bid item shall be in accordance with Section 633 of the current edition of the WISDOT standard specs.

**METHOD OF MEASUREMENT**

Traffic Control Flexible Tubular Marker Bases shall be measured as set forth in Section 633.4 of the Wisconsin DOT Standard Specifications, which shall be measured on a per unit basis acceptably installed.

**BASIS OF PAYMENT**

Traffic Control Flexible Tubular Marker posts will be paid at the contract unit price, which shall be full compensation for all work as provided in the description.

**BID ITEM 90003 – LOWER WATER SERVICE UNDER STORM SEWER**

**DESCRIPTION**

Lower Water Service under Storm Sewer includes but is not limited to provision of all materials, equipment, labor and incidentals required to lower an existing water service lateral underneath proposed storm sewer piping as described herein and shown on the plan set.

**MATERIALS**

Provide water service materials in accordance with Standard Specifications, Part VII: Water Mains and Service Laterals, Section 702.5.

Provide insulation in accordance with City of Madison Standard Specifications, Part VII: Water Mains and Service Laterals, Section 704.17.2.

**CONSTRUCTION**

Remove and replace the part of the existing water service lateral such that no portion of the lateral is closer than two feet to any outside edge of the proposed storm pipe. Where the lateral is directly below the bottom of the storm pipe, the lateral must be installed a minimum of two feet below the bottom of the storm pipe or a minimum of one foot below any storm pipe bedding.

Install insulation in accordance with Standard Specification 704.17.

Match the diameter of the existing lateral except where the existing diameter is 3/4-inch. Where the existing lateral is 3/4-inch diameter, use 1-inch diameter copper for the replacement portion of the lateral.

Freeze each service lateral when performing the operation to isolate the lateral from the mainline water main. The mainline water main may not be taken out of service to perform the work.

Provide notification of water service shut-off per Standard Specification Section 703.8

**METHOD OF MEASUREMENT**

Lower Water Service under Storm Sewer shall be measured by each completed unit.

## **BASIS OF PAYMENT**

Lower Water Service under Storm Sewer shall be paid at the contract bid price, which shall be full compensation for all labor, equipment, materials, and incidentals necessary to complete the work as described above.

## **BID ITEM 90004 – TEMPORARY STEEL PIPE PLUG**

### **DESCRIPTION**

Where shown on the plans, the Contractor shall provide a Temporary Steel Pipe Plug that consist of 3-20" wide and 1/4" thick steel plates, bolted at the connection between a sewer access structure and storm sewer pipe, with 2- 3/8" ANKR-Tight bolts at each side of the plate. Water tightness is not required. The plates shall be installed parallel to each other to cover the entire inside diameter of the pipe.

### **METHOD OF MEASUREMENT**

Temporary Steel Pipe Plug shall be measured as each for the multiple plates, bolts, materials, and all other incidental work needed to successfully install the temporary steel plates.

### **BASIS OF PAYMENT**

Temporary Steel Plates shall be paid at the contract bid price, which shall be full compensation for all labor, equipment, materials, and incidentals necessary to complete the work as described above.

## **BID ITEM 90005 – TEMPORARY DRIVEWAY ACCESS**

### **DESCRIPTION**

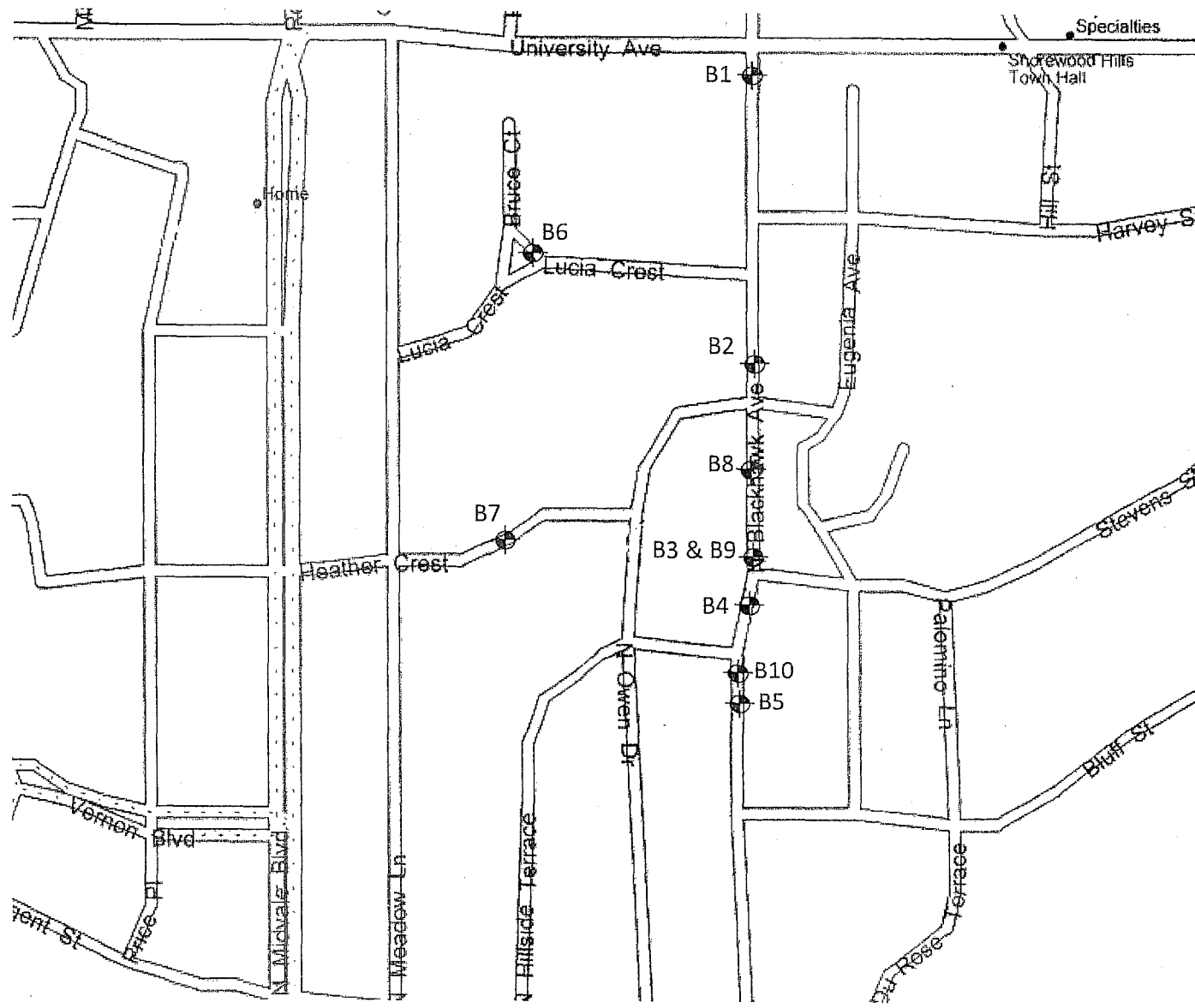
Where shown on the plans, the Contractor shall provide temporary driveway access to 702 N Blackhawk Avenue during any full closure of the permanent driveway to the property. This temporary driveway shall allow two-way traffic and consist of a gravel surface with temporary asphalt at the private parking lot curb. Contractor shall maintain drainage in private parking lot curb flowline. Tree trimming, terrace restoration, and signage for alternative business access associated with Temporary Driveway Access shall be included in this bid item and are considered incidental.

### **METHOD OF MEASUREMENT**

Temporary Driveway Access shall be measured by lump sum for the completed work.

### **BASIS OF PAYMENT**

Temporary Driveway Access shall be paid at the contract bid price, which shall be full compensation for all labor, equipment, materials, and incidentals necessary to complete the work as described above.



**Legend**

 Denotes Boring Location

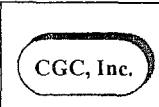


**Notes**

1. Soil borings performed by Badger State Drilling in September 2017 and April 2018
2. Boring locations are approximate.

Scale: Reduced

<b>Date:</b> 4/2018
<b>Job No.</b> C17051-30



**Soil Boring Location Plan  
North Blackhawk Avenue Area  
Madison, WI**





# LOG OF TEST BORING

Project North Blackhawk Avenue Area  
Blackhawk: 100'S of University, 10'W of CL  
 Location Madison, Wisconsin

Boring No. 1  
 Surface Elevation (ft) 884±  
 Job No. C17051-30  
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					Depth (ft)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N			qu (qa) (tsf)	W	LL	PL	LI
					0	4 in. Asphalt Pavement/6 in. Base Course					
1		8	M	7	7	Stiff to Medium Stiff, Brown Lean CLAY, Trace Sand (CL)	(1.75)				
2		12	M	5	12	Some Mottling Noted Near 4 ft	(1.0)				
3		18	M	6	18	Stiff, Light Brown Lean CLAY (CL)	(1.25)				
4		18	M	7	18		(1.25)				
5		18	M/W	12	18	Medium Dense, Brown Sandy SILT (ML)					
6		18	M/W	9	18	Medium Stiff to Stiff, Brown Lean CLAY, Occasional Sand Partings (CL)	(1.0)				
					15	End Boring at 15 ft					
						Borehole backfilled with bentonite chips and asphalt patch					
						(N 43° 04.495', W 89° 26.801')					
					20						

## WATER LEVEL OBSERVATIONS

While Drilling  NW Upon Completion of Drilling \_\_\_\_\_  
 Time After Drilling \_\_\_\_\_  
 Depth to Water \_\_\_\_\_  
 Depth to Cave in \_\_\_\_\_

## GENERAL NOTES

Start 9/28/17 End 9/28/17  
 Driller BSD Chief MC Rig CME-55  
 Logger KD Editor ESF  
 Drill Method 2.25" HSA; Autohammer

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



# LOG OF TEST BORING

Project North Blackhawk Avenue Area  
Blackhawk: 90'N of Owen, 10'E of CL  
 Location Madison, Wisconsin

Boring No. 2  
 Surface Elevation (ft) 889±  
 Job No. C17051-30  
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TH E P E R	Rec (in.)	Moist	N		Depth (ft)	q <sub>u</sub> (qa) (tsf)	W	LL	PL
					X	4.5 in. Asphalt Pavement/6 in. Base Course				
1	█	14	M	5	█	Stiff, Brown Lean CLAY (CL)				
2	█	16	M	7	█	(1.75)				
3	█	16	M/W	7	█	Loose, Brown Clayey Fine SAND (SC)				
4	█	16	M	9	█	Stiff to Very Stiff, Light Brown Lean CLAY (CL)				
5	█	18	M	11	█	(2.25)				
6	█	18	M	10	█	(2.25)				
					15	End Boring at 15 ft				
Borehole backfilled with bentonite chips and asphalt patch										
(N 43° 04.370', W 89° 26.778')										

WATER LEVEL OBSERVATIONS	GENERAL NOTES
While Drilling <input checked="" type="checkbox"/> <u>NW</u> Upon Completion of Drilling _____ Time After Drilling _____ Depth to Water _____ Depth to Cave in _____	Start <u>9/28/17</u> End <u>9/28/17</u> Driller <u>BSD</u> Chief <u>MC</u> Rig <u>CME-55</u> Logger <u>KD</u> Editor <u>ESF</u> Drill Method <u>2.25" HSA; Autohammer</u>
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.	



# LOG OF TEST BORING

Project North Blackhawk Avenue Area  
Blackhawk: 90'N of Stevens, 10'W of CL  
 Location Madison, Wisconsin

Boring No. 3  
 Surface Elevation (ft) 907±  
 Job No. C17051-30  
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LI
					4 in. Asphalt Pavement/6 in. Base Course					
1	12	M	4	4	Medium Stiff to Stiff, Brown Lean CLAY, Some Sand (CL) (Possible Fill)	(1.0)				
				8	Loose, Brown Clayey Fine SAND (SC)					
2	12	M	8	8						
				12	Loose to Very Loose, Brown Fine to Medium SAND, Some Silt, Trace Clay and Gravel (SM)					
3	14	M	5	12						
				16	Medium Dense, Brown to Light Brown Fine to Coarse SAND, Some Gravel, Trace Silt (SP)					
4	16	M	4	16						
				20	End Boring at 15 ft					
5	10	M	12	20	Borehole backfilled with bentonite chips and asphalt patch					
6	12	M	14	20	(N 43° 04.297', W 89° 26.787')					

WATER LEVEL OBSERVATIONS	GENERAL NOTES
While Drilling <input checked="" type="checkbox"/> NW      Upon Completion of Drilling _____ Time After Drilling _____ Depth to Water _____ Depth to Cave in _____	Start <u>9/28/17</u> End <u>9/28/17</u> Driller <u>BSD</u> Chief <u>MC</u> Rig <u>CME-55</u> Logger <u>KD</u> Editor <u>ESF</u> Drill Method <u>2.25" HSA; Autohammer</u>
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.	



# LOG OF TEST BORING

Project North Blackhawk Avenue Area  
Blackhawk: 85'S of Stevens, 8'E of CL  
 Location Madison, Wisconsin

Boring No. 4  
 Surface Elevation (ft) 905±  
 Job No. C17051-30  
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL
					0	4 in. Asphalt Pavement/5.5 in. Base Course				
1		16	M	7	7	Loose, Brown Fine SAND, Some Silt and Clay (SM/SC)				
2		18	M	8	8					
3		14	M	7	11	Loose, Brown Fine to Medium SAND, Some Silt, Trace Clay and Gravel (SM)				
4		14	M	4	12	Very Loose to Loose, Brown to Light Brown Fine SAND, Trace Silt (SP)				
5		14	M	11	13	Medium Dense, Brown to Light Brown Fine to Medium SAND, Trace Silt and Gravel (SP)				
6		14	M	15	15					
End Boring at 15 ft										
Borehole backfilled with bentonite chips and asphalt patch										
(N 43° 04.271', W 89° 26.782')										

WATER LEVEL OBSERVATIONS	GENERAL NOTES
While Drilling <input checked="" type="checkbox"/> <u>NW</u> Upon Completion of Drilling _____ Time After Drilling _____ Depth to Water _____ Depth to Cave in _____	Start <u>9/28/17</u> End <u>9/28/17</u> Driller <u>BSD</u> Chief <u>MC</u> Rig <u>CME-55</u> Logger <u>KD</u> Editor <u>ESF</u> Drill Method <u>2.25" HSA; Autohammer</u>
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.	



# LOG OF TEST BORING

Project North Blackhawk Avenue Area  
Blackhawk: 120'S of Hillside, 8'E of CL  
 Location Madison, Wisconsin

Boring No. 5  
 Surface Elevation (ft) 901±  
 Job No. C17051-30  
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	FH Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LI
				0	X	3 in. Asphalt Pavement/6 in. Base Course				
1	8	M	9	9	Hatched	Very Stiff, Brown Lean CLAY (CL)				
				5	Dashed	Loose, Brown Clayey Fine to Medium Sand (SC)				
2	12	M	7	7	Hatched					
				10	Dashed	Medium Stiff to Stiff, Light Brown Lean CLAY (CL)				
3	16	VM	5	5	Hatched	(1.0)				
				15	Dashed	Medium Stiff to Stiff, Light Brown Lean CLAY (CL)				
4	18	M	9	9	Hatched	(1.5)				
				20	Dashed	Medium Dense, Brown Sandy SILT, Trace to Little Clay (ML)				
5	18	M	14	14	Dotted	Medium Dense, Brown Fine to Medium SAND, Some Silt, Trace Clay and Gravel (SM)				
6	16	M	15	15	Dotted					
					15	End Boring at 15 ft				
					20	Borehole backfilled with bentonite chips and asphalt patch				
					20	(N 43° 04.226', W 89° 26.787')				

WATER LEVEL OBSERVATIONS	GENERAL NOTES
While Drilling <input checked="" type="checkbox"/> <u>NW</u> Upon Completion of Drilling _____ Time After Drilling _____ Depth to Water _____ Depth to Cave in _____	Start <u>9/28/17</u> End <u>9/28/17</u> Driller <u>BSD</u> Chief <u>MC</u> Rig <u>CME-55</u> Logger <u>KD</u> Editor <u>ESF</u> Drill Method <u>2.25" HSA; Autohammer</u>
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.	



# LOG OF TEST BORING

Project North Blackhawk Avenue Area  
Bruce: 40'N of Lucia Crest, East of Island  
 Location Madison, Wisconsin

Boring No. 6  
 Surface Elevation (ft) 905±  
 Job No. C17051-30  
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL
					0	6 in. Asphalt Pavement/3.5 in. Base Course				
1	S	8	M	7	0.5	Stiff, Brown Lean CLAY (CL) (Possible Fill)				
					5	Loose, Brown Clayey Fine SAND (SC)				
2	S	14	M/W	5	5.5					
3	S	14	M	15	10.5	Medium Dense, Brown to Light Brown Fine to Coarse SAND, Some Gravel, Trace Silt (SP)				
4	S	14	M	19	14.5					
5	S	12	M	12	15.5	Medium Dense to Loose, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)				
6	S	16	M	9	16.5					
End Boring at 15 ft										
Borehole backfilled with bentonite chips and asphalt patch										
(N 43° 04.425', W 89° 26.918')										

WATER LEVEL OBSERVATIONS	GENERAL NOTES
While Drilling <input checked="" type="checkbox"/> <u>NW</u> Upon Completion of Drilling _____ Time After Drilling _____ Depth to Water _____ Depth to Cave in _____	Start <u>9/28/17</u> End <u>9/28/17</u> Driller <u>BSD</u> Chief <u>MC</u> Rig <u>CME-55</u> Logger <u>KD</u> Editor <u>ESF</u> Drill Method <u>2.25" HSA; Autohammer</u>
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.	



# LOG OF TEST BORING

Project North Blackhawk Avenue Area  
Heather Crest: 320'W of Owen, 8'N of CL  
 Location Madison, Wisconsin

Boring No. 7  
 Surface Elevation (ft) 903±  
 Job No. C17051-30  
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		q <sub>u</sub> (qa) (tsf)	W	LL	PL	LI
				0	4 in. Asphalt Pavement/5.5 in. Base Course					
1	12	M	5	5	Stiff, Brown Lean CLAY (CL)	(1.25)				
2	18	M	7	7	Loose, Brown Fine to Medium SAND, Some Silt, Trace Clay and Gravel (SM)					
3	14	M	9	9	Loose, Brown to Light Brown Fine SAND, Trace Silt (SP)					
4	14	M	12	12	Medium Dense, Brown to Light Brown Fine to Medium SAND, Trace Silt and Gravel (SP)					
5	14	M	13	13						
6	14	M	20	20						
				15	End Boring at 15 ft					
					Borehole backfilled with bentonite chips and asphalt patch					
					(N 43° 04.295', W 89° 26.926')					

### WATER LEVEL OBSERVATIONS

While Drilling  NW Upon Completion of Drilling \_\_\_\_\_  
 Time After Drilling \_\_\_\_\_  
 Depth to Water \_\_\_\_\_  
 Depth to Cave in \_\_\_\_\_

### GENERAL NOTES

Start 9/28/17 End 9/28/17  
 Driller BSD Chief MC Rig CME-55  
 Logger KD Editor ESF  
 Drill Method 2.25" HSA; Autohammer

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



# LOG OF TEST BORING

Project North Blackhawk Avenue Area  
Blackhawk: 180'S of Owen, 10'E of Centerline  
 Location Madison, Wisconsin

Boring No. 8  
 Surface Elevation (ft) 900±  
 Job No. C17051-30  
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE E	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL
					3.5 in. Asphalt Pavement/9.5 in. Base Course					
1		12	M	8	Stiff, Brown Lean CLAY (CL)	(1.25)				
2		10	M	5	Loose, Brown Silty Fine SAND (SM)					
3		16	M	12	Medium Dense to Dense, Tan SILT, Trace Sand, Occasional Cobbles (ML)					
4		17	M	47	Medium Dense, Light Brown Silty Fine SAND (SM)					
5		18	M	24	Dense, Light Brown Fine SAND, Trace Silt (SP)					
6		18	M	40	End Boring at 20 ft					
7		18	M	33	Borehole backfilled with bentonite chips and asphalt patch					
					(N 43° 04.330', W 89° 26.782')					

### WATER LEVEL OBSERVATIONS

While Drilling  NW Upon Completion of Drilling \_\_\_\_\_  
 Time After Drilling \_\_\_\_\_  
 Depth to Water \_\_\_\_\_  
 Depth to Cave in \_\_\_\_\_

### GENERAL NOTES

Start 4/17/18 End 4/17/18  
 Driller BSD Chief MC Rig CME-55  
 Logger DC Editor ESF  
 Drill Method 2.25" HSA; Autohammer

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.





## LOG OF TEST BORING

Project North Blackhawk Avenue Area  
Blackhawk: 95'N of Stevens, 15'W of Centerline  
 Location Madison, Wisconsin

Boring No. 9  
 Surface Elevation (ft) 907±  
 Job No. C17051-30  
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL
					3 in. Asphalt Pavement/10.5 in. Base Course					
1		10	M	4	FILL: Stiff, Brown Clay, Some Sand	(1.25)				
2		12	M	7	Loose, Brown Clayey Fine SAND (SC - Possible Fill)					
3		12	M	6	Loose to Very Loose, Brown Fine to Medium SAND, Some Silt, Trace Clay and Gravel (SM - Possible Fill)					
4		14	M	4	Medium Dense, Light Brown Fine to Coarse SAND, Some Gravel, Trace Silt (SP)					
5		8	M	15	Highly Weathered, Light Brown to Reddish-Brown Sandstone Bedrock					
6		14	M	22	End Boring at 25 ft					
7		16	M	27	Borehole backfilled with bentonite chips and asphalt patch					
					(N 43° 04.303', W 89° 26.789')					

### WATER LEVEL OBSERVATIONS

While Drilling  NW Upon Completion of Drilling \_\_\_\_\_  
 Time After Drilling \_\_\_\_\_  
 Depth to Water \_\_\_\_\_  
 Depth to Cave in \_\_\_\_\_

### GENERAL NOTES

Start 4/17/18 End 4/17/18  
 Driller BSD Chief MC Rig CME-55  
 Logger DC Editor ESF  
 Drill Method 2.25" HSA; Autohammer

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



# LOG OF TEST BORING

Project North Blackhawk Avenue Area  
Blackhawk: 65'S of Hillside, 10'E of Centerline  
 Location Madison, Wisconsin

Boring No. 10  
 Surface Elevation (ft) 902±  
 Job No. C17051-30  
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL
					0	3 in. Asphalt Pavement/10 in. Base Course				
1	█	13	M	2	1	FILL: Brown Clay with Sand				
					2	Medium Stiff to Stiff, Brown Lean CLAY, Trace to Little Fine Sand, Occasional Sand Seams (CL)				
2	█	6	M	12	3	(1.0)				
					4	Medium Stiff to Soft, Brown Lean CLAY, Trace Fine Sand (CL)				
3	█	16	M	4	5	(0.75)				
					6	Medium Stiff to Soft, Brown Lean CLAY, Trace Fine Sand (CL)				
4	█	18	M	2	7	(0.50)				
					8	Medium Stiff to Soft, Brown Lean CLAY, Trace Fine Sand (CL)				
5	█	18	M/W	3	9	Becoming Very Soft Near 11 ft				
					10	Medium Stiff to Soft, Brown Lean CLAY, Trace Fine Sand (CL)				
6	█	16	M	83	11	Weathered to Competent, Light Brown to Reddish Brown Sandstone Bedrock				
					12	Weathered to Competent, Light Brown to Reddish Brown Sandstone Bedrock				
					13	Firm to Hard Drilling Noted Beginning at 17 ft				
					14	Firm to Hard Drilling Noted Beginning at 17 ft				
7	█	1	M	50/1"	15	Well Cemented Sandstone recovered at 18.5 ft				
					16	Well Cemented Sandstone recovered at 18.5 ft				
					17	Well Cemented Sandstone recovered at 18.5 ft				
					18	Well Cemented Sandstone recovered at 18.5 ft				
					19	Well Cemented Sandstone recovered at 18.5 ft				
					20	End Boring at 20 ft				
					21	Borehole backfilled with bentonite chips and asphalt patch				
					22	Borehole backfilled with bentonite chips and asphalt patch				
					23	(N 43° 04.231', W 89° 26.781')				
					24	Borehole backfilled with bentonite chips and asphalt patch				
					25	Borehole backfilled with bentonite chips and asphalt patch				
					26	Borehole backfilled with bentonite chips and asphalt patch				
					27	Borehole backfilled with bentonite chips and asphalt patch				
					28	Borehole backfilled with bentonite chips and asphalt patch				
					29	Borehole backfilled with bentonite chips and asphalt patch				
					30	Borehole backfilled with bentonite chips and asphalt patch				

## WATER LEVEL OBSERVATIONS

While Drilling  NW Upon Completion of Drilling \_\_\_\_\_  
 Time After Drilling \_\_\_\_\_  
 Depth to Water \_\_\_\_\_  
 Depth to Cave in \_\_\_\_\_

## GENERAL NOTES

Start 4/17/18 End 4/17/18  
 Driller BSD Chief MC Rig CME-55  
 Logger DC Editor ESF  
 Drill Method 2.25" HSA; Autohammer

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

**LOG OF TEST BORING**  
General Notes

**DESCRIPTIVE SOIL CLASSIFICATION**

Grain Size Terminology

Soil Fraction	Particle Size	U.S. Standard Sieve Size
Boulders.....	Larger than 12" .....	Larger than 12"
Cobbles.....	3" to 12" .....	3" to 12"
Gravel: Coarse.....	¾" to 3" .....	¾" to 3"
Fine.....	4.76 mm to ¾" .....	#4 to ¾"
Sand: Coarse.....	2.00 mm to 4.76 mm.....	#10 to #4
Medium.....	0.42 to mm to 2.00 mm.....	#40 to #10
Fine.....	0.074 mm to 0.42 mm .....	#200 to #40
Silt.....	0.005 mm to 0.074 mm.....	Smaller than #200
Clay .....	Smaller than 0.005 mm .....	Smaller than #200

Plasticity characteristics differentiate between silt and clay.

General Terminology

- Physical Characteristics
- Color, moisture, grain shape, fineness, etc.
- Major Constituents
- Clay, silt, sand, gravel
- Structure
- Laminated, varved, fibrous, stratified, cemented, fissured, etc.
- Geologic Origin
- Glacial, alluvial, eolian, residual, etc.

Relative Density

Term	"N" Value
Very Loose.....	0 - 4
Loose.....	4 - 10
Medium Dense.....	10 - 30
Dense.....	30 - 50
Very Dense.....	Over 50

Relative Proportions Of Cohesionless Soils

Proportional Term	Defining Range by Percentage of Weight
Trace.....	0% - 5%
Little .....	5% - 12%
Some .....	12% - 35%
And.....	35% - 50%

Consistency

Term	q <sub>a</sub> -tons/sq. ft
Very Soft.....	0.0 to 0.25
Soft.....	0.25 to 0.50
Medium.....	0.50 to 1.0
Stiff.....	1.0 to 2.0
Very Stiff.....	2.0 to 4.0
Hard.....	Over 4.0

Organic Content by Combustion Method

Soil Description	Loss on Ignition
Non Organic.....	Less than 4%
Organic Silt/Clay.....	4 - 12%
Sedimentary Peat.....	12% - 50%
Fibrous and Woody Peat...	More than 50%

Plasticity

Term	Plastic Index
None to Slight.....	0 - 4
Slight.....	5 - 7
Medium.....	8 - 22
High to Very High ..	Over 22

The penetration resistance, N, is the summation of the number of blows required to effect two successive 6" penetrations of the 2" split-barrel sampler. The sampler is driven with a 140 lb. weight falling 30" and is seated to a depth of 6" before commencing the standard penetration test.

**SYMBOLS**

Drilling and Sampling

- CS – Continuous Sampling
- RC – Rock Coring: Size AW, BW, NW, 2"W
- RQD – Rock Quality Designation
- RB – Rock Bit/Roller Bit
- FT – Fish Tail
- DC – Drove Casing
- C – Casing: Size 2 ½", NW, 4", HW
- CW – Clear Water
- DM – Drilling Mud
- HSA – Hollow Stem Auger
- FA – Flight Auger
- HA – Hand Auger
- COA – Clean-Out Auger
- SS – 2" Dia. Split-Barrel Sample
- 2ST – 2" Dia. Thin-Walled Tube Sample
- 3ST – 3" Dia. Thin-Walled Tube Sample
- PT – 3" Dia. Piston Tube Sample
- AS – Auger Sample
- WS – Wash Sample
- PTS – Peat Sample
- PS – Pitcher Sample
- NR – No Recovery
- S – Sounding
- PMT – Borehole Pressuremeter Test
- VS – Vane Shear Test
- WPT – Water Pressure Test

Laboratory Tests

- q<sub>a</sub> – Penetrometer Reading, tons/sq ft
- q<sub>u</sub> – Unconfined Strength, tons/sq ft
- W – Moisture Content, %
- LL – Liquid Limit, %
- PL – Plastic Limit, %
- SL – Shrinkage Limit, %
- LI – Loss on Ignition
- D – Dry Unit Weight, lbs/cu ft
- pH – Measure of Soil Alkalinity or Acidity
- FS – Free Swell, %

Water Level Measurement

- ∇ - Water Level at Time Shown
- NW – No Water Encountered
- WD – While Drilling
- BCR – Before Casing Removal
- ACR – After Casing Removal
- CW – Cave and Wet
- CM – Caved and Moist

Note: Water level measurements shown on the boring logs represent conditions at the time indicated and may not reflect static levels, especially in cohesive soils.



Madison - Milwaukee

# Unified Soil Classification System

## UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART

### COARSE-GRAINED SOILS

(more than 50% of material is larger than No. 200 sieve size)

#### Clean Gravels (Less than 5% fines)

GRAVELS more than 50% of coarse fraction larger than No. 4 sieve size		GW	Well-graded gravels, gravel-sand mixtures, little or no fines
		GP	Poorly-graded gravels, gravel-sand mixtures, little or no fines

#### Gravels with fines (More than 12% fines)

		GM	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures

#### Clean Sands (Less than 5% fines)

SANDS 50% or more of coarse fraction smaller than No. 4 sieve size		SW	Well-graded sands, gravelly sands, little or no fines
		SP	Poorly graded sands, gravelly sands, little or no fines

#### Sands with fines (More than 12% fines)

		SM	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures

### FINE-GRAINED SOILS

(50% or more of material is smaller than No. 200 sieve size.)

SILTS AND CLAYS Liquid limit less than 50%		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
		OL	Organic silts and organic silty clays of low plasticity
SILTS AND CLAYS Liquid limit 50% or greater		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
		CH	Inorganic clays of high plasticity, fat clays
		OH	Organic clays of medium to high plasticity, organic silts
HIGHLY ORGANIC SOILS		PT	Peat and other highly organic soils

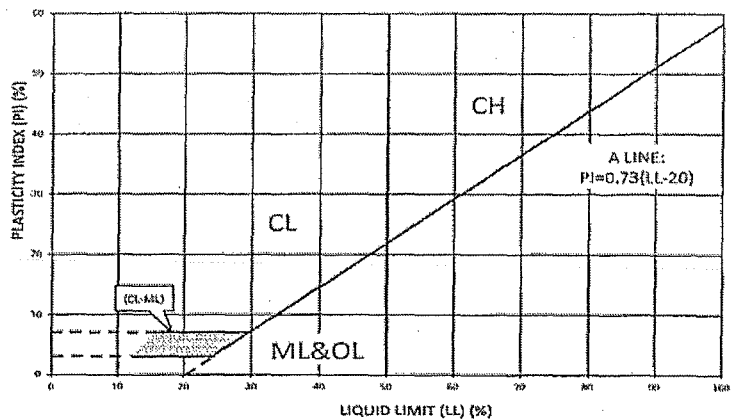
## LABORATORY CLASSIFICATION CRITERIA

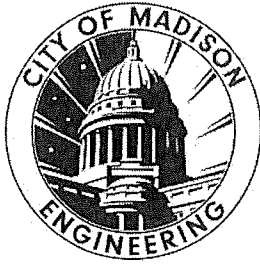
GW	$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{D_{30}}{D_{10} \times D_{60}}$ between 1 and 3	
GP	Not meeting all gradation requirements for GW	
GM	Atterberg limits below "A" line or P.I. less than 4	Above "A" line with P.I. between 4 and 7 are borderline cases requiring use of dual symbols
GC	Atterberg limits above "A" line or P.I. greater than 7	
SW	$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{D_{30}}{D_{10} \times D_{60}}$ between 1 and 3	
SP	Not meeting all gradation requirements for GW	
SM	Atterberg limits below "A" line or P.I. less than 4	Limits plotting in shaded zone with P.I. between 4 and 7 are borderline cases requiring use of dual symbols
SC	Atterberg limits above "A" line with P.I. greater than 7	

Determine percentages of sand and gravel from grain-size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows:

Less than 5 percent ..... GW, GP, SW, SP  
 More than 12 percent ..... GM, GC, SM, SC  
 5 to 12 percent ..... Borderline cases requiring dual symbols

### PLASTICITY CHART





Department of Public Works  
**Engineering Division**  
Robert F. Phillips, P.E., City Engineer

City-County Building, Room 115  
210 Martin Luther King, Jr. Boulevard  
Madison, Wisconsin 53703  
Phone: (608) 266-4751  
Fax: (608) 264-9275  
[engineering@cityofmadison.com](mailto:engineering@cityofmadison.com)  
[www.cityofmadison.com/engineering](http://www.cityofmadison.com/engineering)

**Assistant City Engineer**  
Gregory T. Fries, P.E.

**Principal Engineer 2**  
Christopher J. Petykowski, P.E.  
John S. Fahrney, P.E.

**Principal Engineer 1**  
Christina M. Bachmann, P.E.  
Eric L. Dundee, P.E.

**Facilities & Sustainability**  
Jeanne E. Hoffman, Manager

**Operations Manager**  
Kathleen M. Cryan

**Mapping Section Manager**  
Eric T. Pederson, P.S.

**Financial Manager**  
Steven B. Danner-Rivers

May 22, 2018

**NOTICE OF ADDENDUM**  
**ADDENDUM NO. 1**

**CONTRACT NO. 8191, PROJECT NO. 11743**  
**N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST RESURFACING**  
**WITH UTILITIES ASSESSMENT DISTRICT – 2018**

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

**PLANS:**

**REMOVE**

Remove Sheets SN1-SN5, SN-9

**INSERT**

Insert Sheets SN1-SN5, SN-9 (Revised 5-18-18)

Proposed sanitary sewer main on N Blackhawk Street is upsized from 10" to 12". No changes in pipe length or pipe depth were made.

**SPECIAL PROVISIONS:**

**REVISE**

**SECTION 109.2 PROSECUTION OF WORK**

Replace Section 109.2 with the following:

The Contractor may begin work as early as **July 16, 2018** and may elect to perform a portion of the work in 2018 and complete construction in 2019 or complete all portions of the construction in 2019. The Contractor shall notify City Engineering of their preferred option within seven (7) days following the award of the contract.

The Contractor shall complete all work on N Blackhawk Avenue in **ONE HUNDRED EIGHTY (180) CALENDAR DAYS** and all work within the contract must be completed by **OCTOBER 11, 2019**. If a portion of the work is performed in 2018, the contract shall be suspended during the winter months and time shall not be charged against the project. There will be no additional compensation for additional mobilization payments, or any other compensation for costs associated with suspending the work for the winter months. Any disturbed areas in 2018 must have final curb, driveway, and pavement installed prior to suspension of work for winter months. Cold weather protection for these items is considered incidental.

May 22, 2018

Page 2

The Contractor shall complete all work on Bruce Court in **TWENTY EIGHT (28) CALENDARY DAYS** and all work on Heather Crest in **FOURTY FIVE (45) CALENDAR DAYS**. All work within the contract must be completed by **OCTOBER 11, 2019**. If work begins on Bruce Court or Heather Crest in 2018, all work must be completed entirely in 2018. No winter suspension of work will be allowed for work on Bruce Court and Heather Crest.

The Contractor shall anticipate multiple crews as required to complete the work in the time frame provided and under the traffic restrictions outlined in these provisions.

Work shall begin only after the start work letter is received. The Contractor shall limit workdays to 7:00 p.m. unless approved by the Engineer in writing.

#### BID ITEM 70454 – REPLACE COPPER SERVICE LATERAL

Bid item number should be changed to BID ITEM 70053 – REPLACE COPPER SERVICE LATERAL

#### SECTION 701 PROVISIONS FOR WATER INSTALLATION AND ABANDONMENT

Replace Section 701 with the following:

The Water Utility designer for the project is Amanda Schockling. She may be contacted at (608) 261-9243 or [aschockling@madisonwater.org](mailto:aschockling@madisonwater.org). Adam Wiederhoeft, PE can also be contacted at (608) 266-9121 or [awiederhoeft@madisonwater.org](mailto:awiederhoeft@madisonwater.org).

The proposed water system improvements in this Contract include furnishing and installing approximately 2,340-feet of new 8-inch diameter ductile iron water main and associated valves, hydrants and service lateral connections on N Blackhawk Ave from University Ave to Bluff St (see Sheets W-1 to W-5).

Once the new systems have passed the required pressure and water quality tests, cut off, extend as necessary, and reconnect the existing water service laterals to the new water mains (unless the service is to be abandoned). Services will be reconnected to the new main as shown on the plans. Service lateral work in conflict with tree protection specifications and/or damaged service laterals may require relocation or replacement of the lateral. Any service lateral work other than what is designated on the plans must be authorized in advance by the Water Utility Inspector and will be paid under BID ITEM: 70053 – Replace 1-Inch Copper Service Lateral.

The water main construction also includes concrete work, such as curb & gutter removal and replacement at various locations, as designated on the plans. Payment shall be made only for authorized and required curb replacement in the designated areas. Additional removal and replacement work to accommodate water main construction must be authorized by the Water Utility Construction Inspector or Engineer during construction to be considered for payment.

Take all necessary precautions to protect the existing Madison Water Utility system and ensure its proper functioning during construction.

View the site prior to bidding and become familiar with existing conditions and utilities.

#### ARTICLE 500 SEWER AND SEWER STRUCTURES GENERAL

Revise first paragraph to read: This project consists of the installation of 1111' of 8" diameter ASTM D3034 SDR-35/26, 2173' of 12" diameter ASTM D3034 SDR-35/26, and 2351' of sanitary sewer lateral ASTM

D3034 SDR-35/26. Sanitary sewer pipe work shall include installing new sewer at the sizes and locations that are specified on the plan set and in accordance with the latest edition of the City of Madison Standard Specifications for Public Works Construction.

BID ITEM 90005 – TEMPORARY DRIVEWAY ACCESS

Revise Description to read:

Where shown on the plans, the Contractor shall provide temporary driveway access to 702 N Blackhawk Avenue during any full closure of the permanent driveway to the property. This temporary driveway shall allow two-way traffic and consist of a gravel surface with temporary asphalt at the private parking lot curb. Contractor shall maintain drainage in private parking lot curb flowline. Tree trimming, restoration, and signage for alternative business access associated with Temporary Driveway Access shall be included in this bid item and are considered incidental.

**PROPOSAL**

A summary of the change to the proposal is as follows:

Action	Bid Item	Description
REMOVE	50302	10" PVC SANITARY SEWER PIPE SDR-35/26
ADD	50303	12" PVC SANITARY SEWER PIPE SDR-35/26
MODIFY	30201	TYPE "A" CONCRETE CURB & GUTTER
MODIFY	30203	TYPE "X" CONCRETE CURB & GUTTER
MODIFY	30208	HAND FORMED CURB AND GUTTER

Please see Bid Express for revised bid item quantities.

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on the Bid Express web site at:

<http://www.bidexpress.com>

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 receive the material by another route.

Sincerely,



Robert F. Phillips, P.E., City Engineer

Cc: Greg Fries

0709-201-1320-9  
 GAY, MICHAEL P  
 226 N Blackhawk Ave

N BLACKHAWK, BRUCE, & HEATHER 2018  
 PROJECT NO. 11743

SHEET NO.  
 SN-1

SANITARY SEWER  
 PLAN AND PROFILE

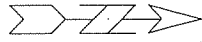
N BLACKHAWK AVENUE CITY OF MADISON

ADDENDUM 5/17/2018-FBEG

0709-201-1326-7  
 HODGSON, LINDSAY  
 322 N Blackhawk Ave

ABAN.EX.10"  
 VP SAN.(PLUGS)

REM.EX.SAS  
 3851-016  
 SOIL BORING  
 LOCATION



ABAN.EX.10"  
 VP SAN.(PLUGS)

SAS #14  
 INSTALL INTERNAL  
 CHIMNEY SEAL

EX.10"VP SAN.  
 (TO REMAIN)

REM.EX.  
 3852-011

AIN

N BLACKHAWK AVENUE

\*12"- 44' @ 0.34%

0709-201-1722-7  
 LOWE, CHRISTOPHER T  
 & LAURA J LOWE  
 225 N Blackhawk Ave

SAS #13  
 INSTALL INTERNAL  
 CHIMNEY SEAL

EX. 8" CIP SAN.  
 (TO REMAIN)

0709-201-1403-3  
 DIETERLE, MICHAEL C  
 & ULRIKE DIETERLE  
 323 N Blackhawk Ave

ABAN.EX.10"  
 VP SAN.(PLUGS)

REM.EX.SAS  
 3851-016

EX.8" VP SAN.  
 (TO REMAIN)

EX.18" VP STM

EX.18" VP STM

EX.18" VP STM

EX.18" VP STM

EX.18" VP STM

EX.18" VP STM

EX.18" VP STM

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EX.18" VP STM

EX.18" VP STM

EX.18" VP STM

MATCHLINE STA 15+00.00

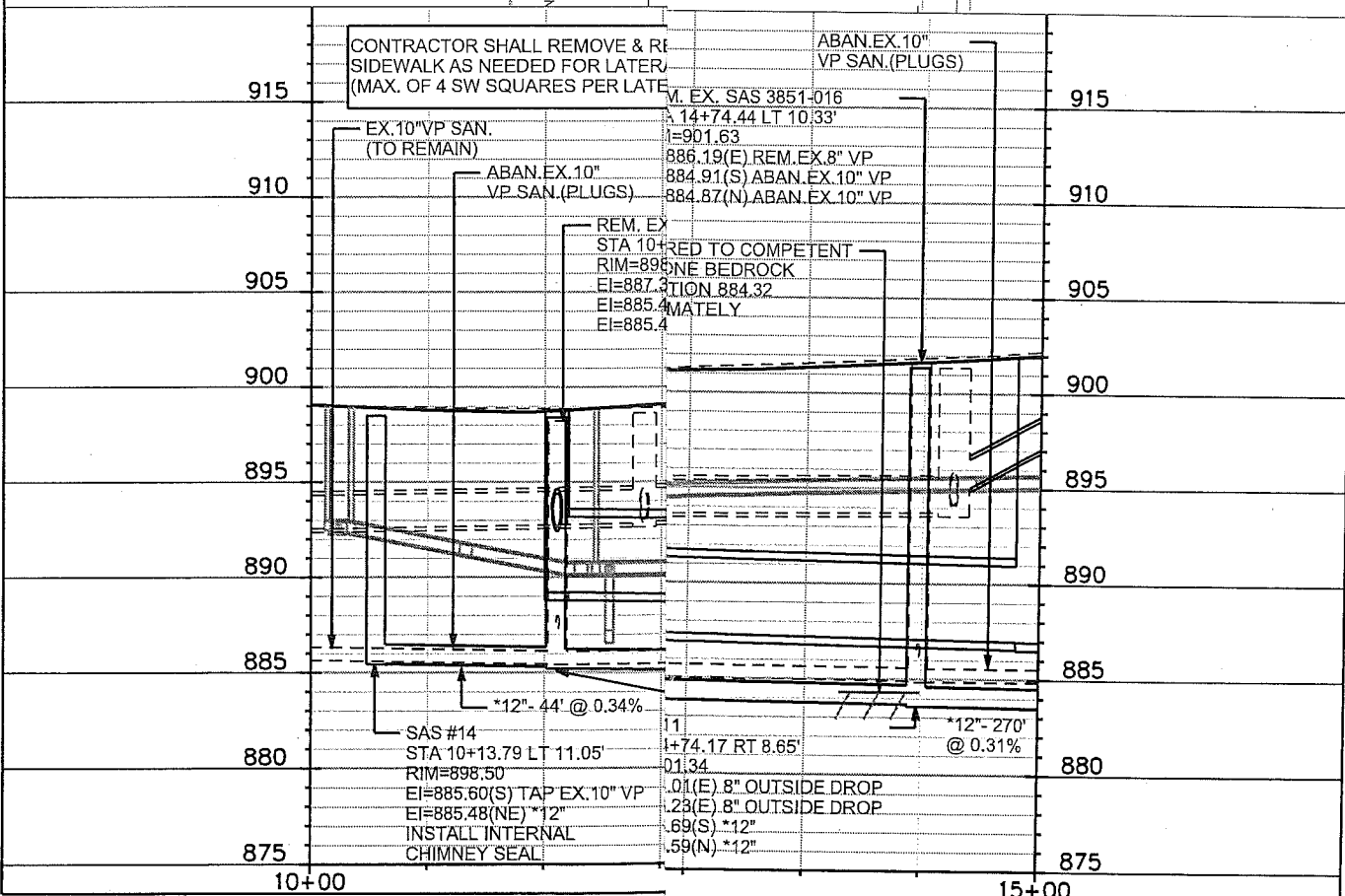
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

Revision





SANITARY SEWER  
PLAN AND PROFILE

N BLACKHAWK AVENUE

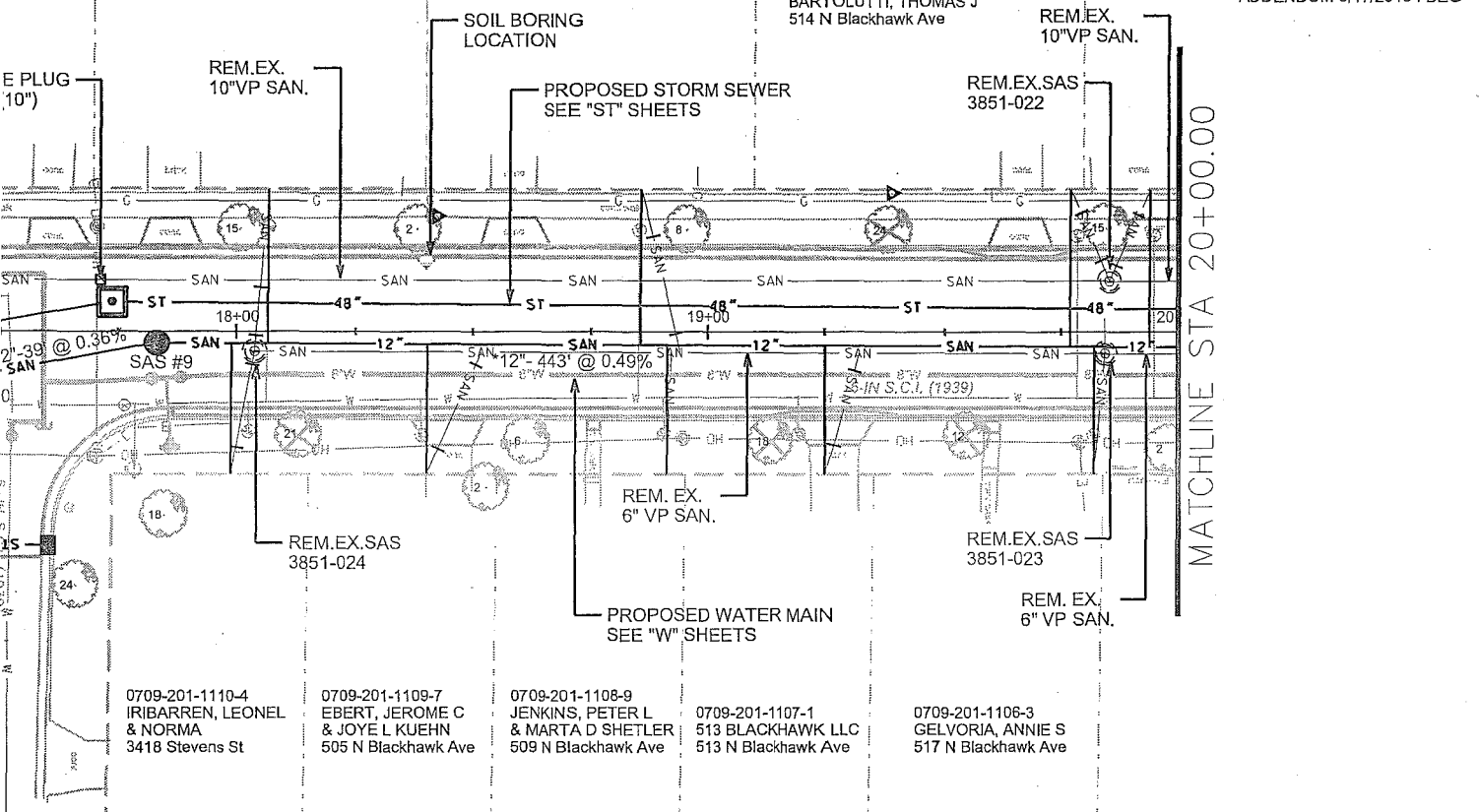
CITY OF MADISON

ADDENDUM 5/17/2018-FBEG

0709-201-1213-6  
SPRAGUE, MARY L  
444 N Blackhawk Ave

0709-201-1214-4  
MASTERS, JOAN G  
510 N Blackhawk Ave

0709-201-1215-2  
BARTOLUCCI, THOMAS J  
514 N Blackhawk Ave



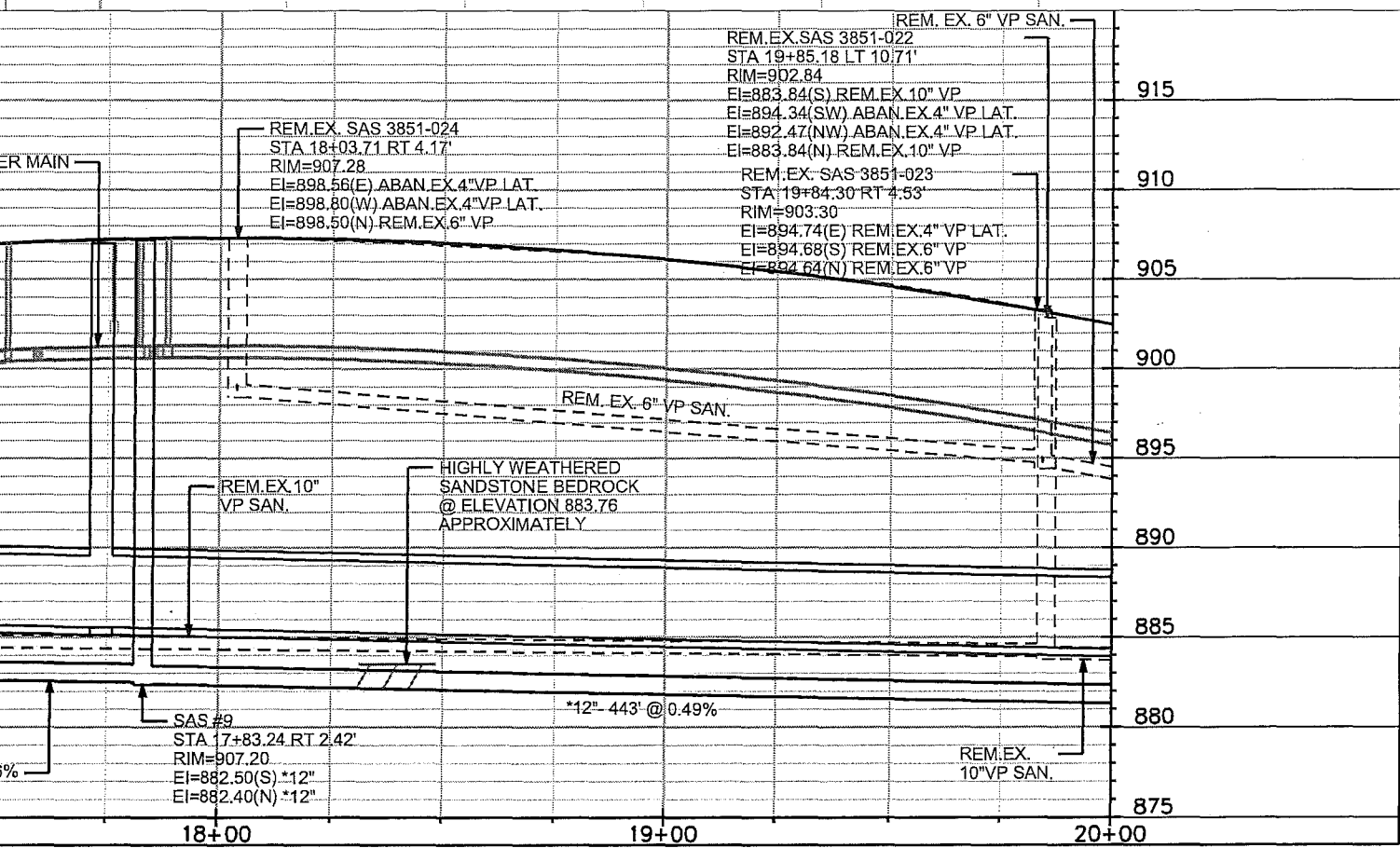
0709-201-1110-4  
IRIBARREN, LEONEL  
& NORMA  
3418 Stevens St

0709-201-1109-7  
EBERT, JEROME C  
& JOYE L KUEHN  
505 N Blackhawk Ave

0709-201-1108-9  
JENKINS, PETER L  
& MARTA D SHETLER  
509 N Blackhawk Ave

0709-201-1107-1  
513 BLACKHAWK LLC  
513 N Blackhawk Ave

0709-201-1106-3  
GELVORJA, ANNIE S  
517 N Blackhawk Ave



WATER MAIN

REM. EX. SAS 3851-024  
STA 18+03.71 RT 4.17'  
RIM=907.28  
EI=898.56(E) ABAN. EX. 4" VP LAT.  
EI=898.80(W) ABAN. EX. 4" VP LAT.  
EI=898.50(N) REM. EX. 6" VP

REM. EX. SAS 3851-022  
STA 19+85.18 LT 10.71'  
RIM=902.84  
EI=883.84(S) REM. EX. 10" VP  
EI=894.34(SW) ABAN. EX. 4" VP LAT.  
EI=892.47(NW) ABAN. EX. 4" VP LAT.  
EI=883.84(N) REM. EX. 10" VP  
REM. EX. SAS 3851-023  
STA 19+84.30 RT 4.53'  
RIM=903.30  
EI=894.74(E) REM. EX. 4" VP LAT.  
EI=894.68(S) REM. EX. 6" VP  
EI=894.64(N) REM. EX. 6" VP

REM. EX. 10" VP SAN.

HIGHLY WEATHERED  
SANDSTONE BEDROCK  
@ ELEVATION 883.76  
APPROXIMATELY

SAS #9  
STA 17+83.24 RT 2.42'  
RIM=907.20  
EI=882.50(S) \*12"  
EI=882.40(N) \*12"

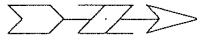
\*12" - 443' @ 0.49%

REM. EX. 10" VP SAN.

18+00

19+00

20+00



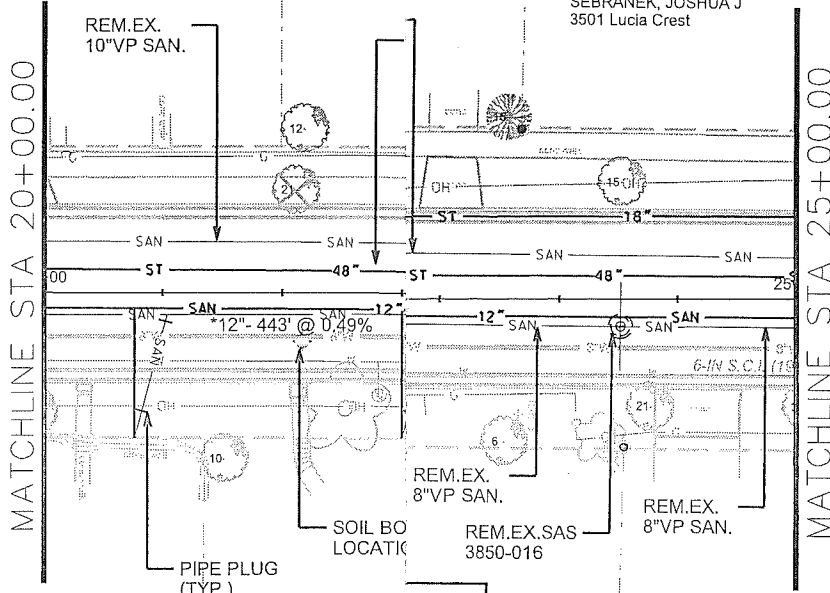
0709-201-1216-0  
ANDERSON, KYLE  
SHAWYN ANDERSON  
518 N Blackhawk Ave

0709-201-1216-0  
HANSO ANDREA  
522 N B

N BLACKHAWK, BRUCE, & HEATHER 2018  
PROJECT NO. 11743  
SHEET NO. SN-3  
SANITARY SEWER  
PLAN AND PROFILE  
N BLACKHAWK AVENUE CITY OF MADISON

ADDENDUM 5/17/2018-FBEG

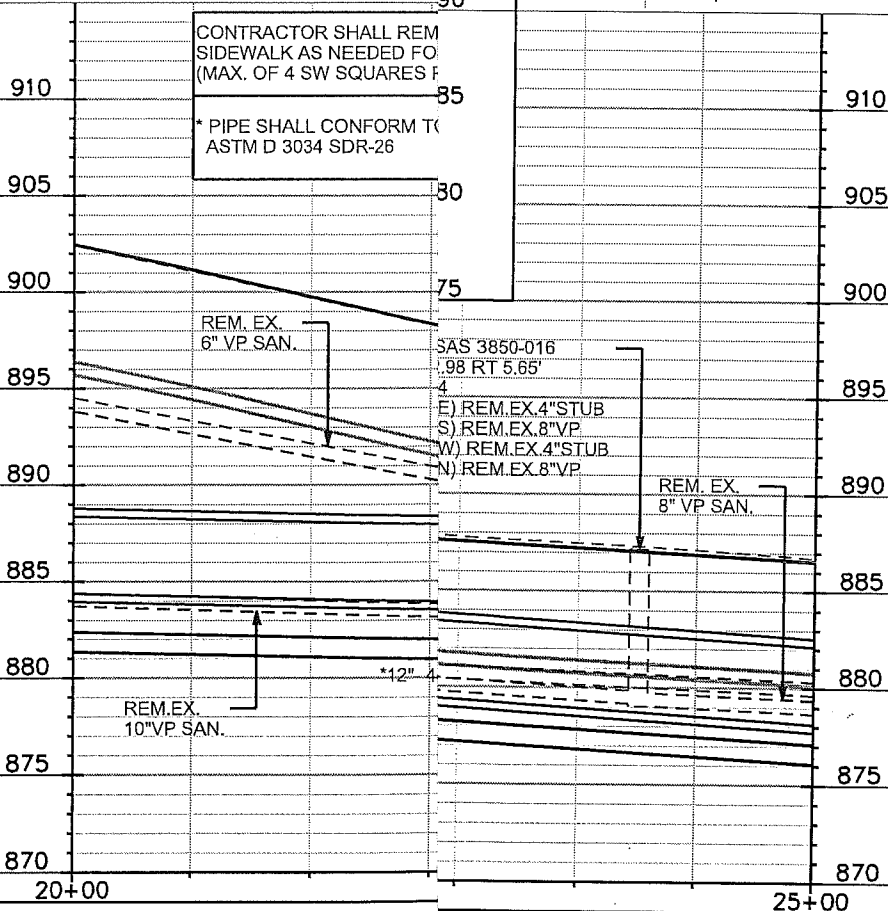
0709-201-0801-0  
SEBRANEK, JOSHUA J  
3501 Lucia Crest



0709-201-1105-5  
PORTER, BRIAN D  
SARAH E PORTER  
521 N Blackhawk Ave

0709-201-1104-7  
ALBUQUERQUE, SEVERIN  
525 N Blackhawk Ave

0709-201-0906-8  
HEFFRON, DANIEL & JILL  
625 N Blackhawk Ave



REVISION

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

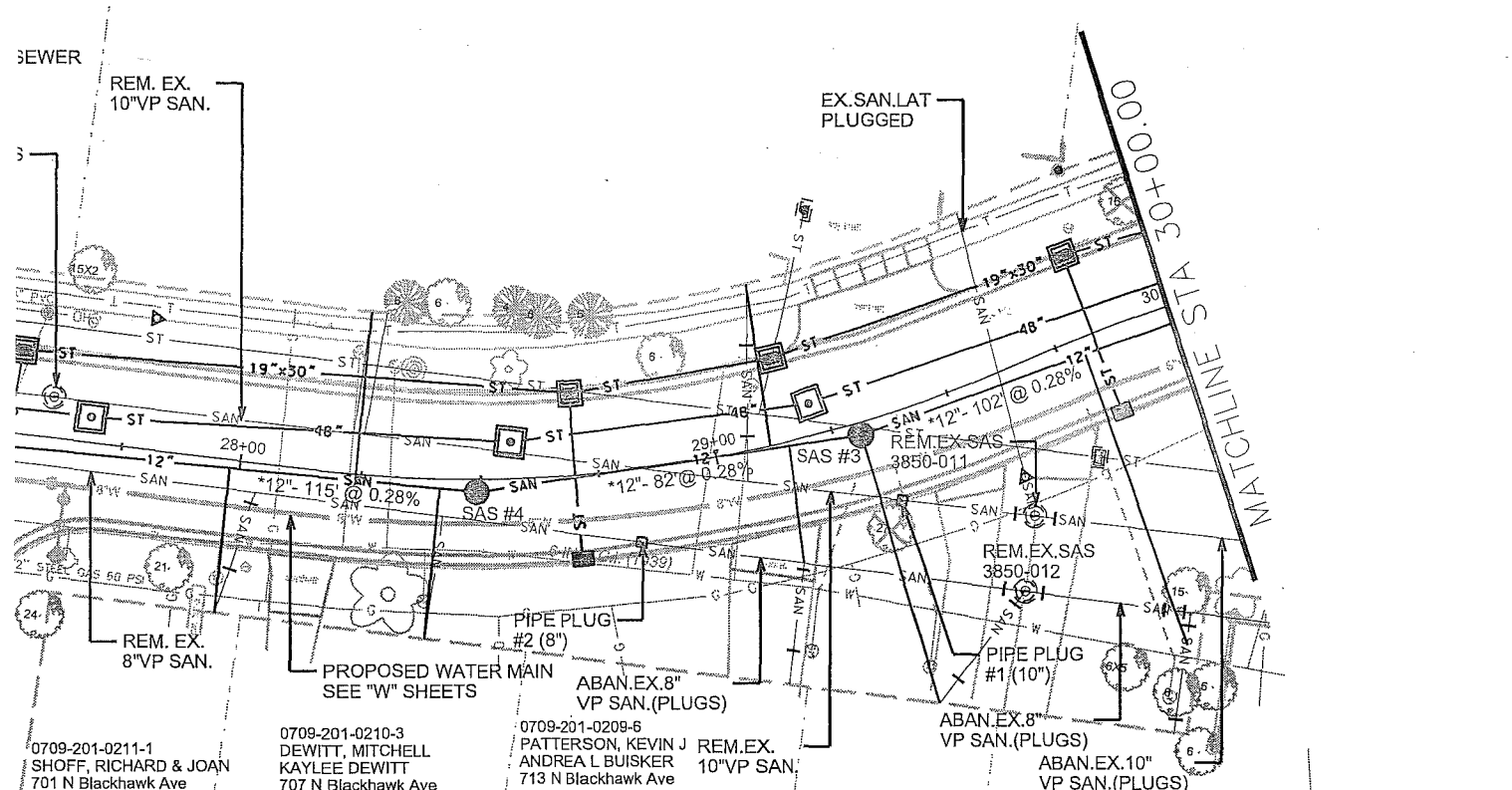
SANITARY SEWER  
PLAN AND PROFILE

N BLACKHAWK AVENUE

CITY OF MADISON

0709-201-0337-5  
WELTON FAMILY LTD PRTSHP  
STE 109  
3525 University Ave

ADDENDUM 5/17/2018-FBEG



<p>REMOVE &amp; REPLACE FOR LATERALS (S PER LATERAL)</p>	<p>* PIPE SHALL CONFORM TO ASTM D 3034 SDR-26</p>	<p>REM. EX. SAS 3850-011 STA 29+57.83 RT 30.69' RIM=882.59 EI=875.49(S) ABAN.EX.10" VP EI=875.99(W) ABAN.EX.4" LAT EI=875.39(N) ABAN.EX.10" VP</p>	<p>905</p>
<p></p>	<p></p>	<p></p>	<p>900</p>
<p>PROPOSED WATER MAIN SEE "W" SHEETS</p>	<p></p>	<p>REM. EX. SAS 3850-012 STA 29+51.14 RT 44.56' RIM=882.60 EI=875.40(E) ABAN.EX.4" STUB LAT EI=875.20(S) ABAN.EX.8" VP SAN. EI=875.40(W) ABAN.EX.4" STUB LAT. EI=875.10(N) ABAN.EX.8" VP SAN.</p>	<p>895</p>
<p>PROPOSED CENTERLINE GRADE</p>	<p></p>	<p></p>	<p>890</p>
<p>PROPOSED STORM SEWER SEE "ST" SHEETS</p>	<p></p>	<p></p>	<p>885</p>
<p></p>	<p></p>	<p></p>	<p>880</p>
<p></p>	<p></p>	<p></p>	<p>875</p>
<p>*12"-115' @ 0.28%</p>	<p></p>	<p>*12"-82' @ 0.28%</p>	<p></p>
<p>SAS #4 STA 28+49.15 RT 2.69' RIM=883.22 EI=873.91(S) *12" EI=873.81(N) *12"</p>	<p></p>	<p>SAS #3 STA 29+30.21 RT 2.63' RIM=883.24 EI=873.68(N) 6" TAP EI=873.58(S) *12" EI=873.48(NW) *12"</p>	<p>870</p>
<p>28+00</p>	<p></p>	<p>29+00</p>	<p>865</p>
<p></p>	<p></p>	<p>30+00</p>	<p></p>

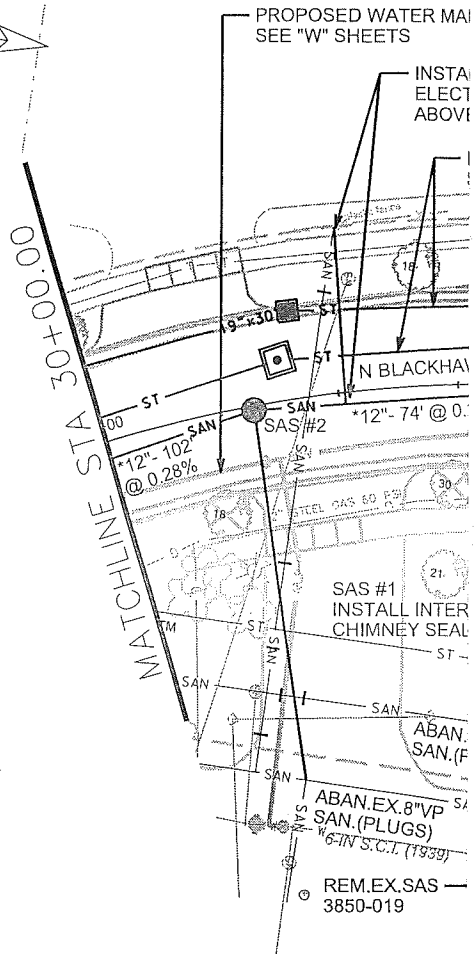
SANITARY SEWER  
PLAN AND PROFILE

N BLACKHAWK AVENUE

CITY OF MADISON

ADDENDUM 5/17/2018-FBEG

REVISION



905	EX.SAS 3850 STA 31+20.0 RIM=883.17 EI=872.67(S) EI=874.37(S) EI=872.57(W) EI=872.47(N) RECONSTR AND.FLOW
900	
895	REM. EX. SAS 3850 STA 31+05.26 RT 89 RIM=882.06 EI=874.42(S) ABAN EI=874.40(NW)ABAN
890	
885	PROPOSED WATER MAIN SEE "W" SHEETS PROPOSED STORM SEV SEE "ST" SHEETS
880	
875	
870	*12"- 102' @ 0.28%
865	*12"- 74' @ 0.0%
30+00	SAS #2 STA 30+34.90 RT 0.9 RIM=882.98 EI=873.29(NE) *6" TA EI=873.19(SE) *12" EI=873.09(N) *12"

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

**SANITARY SEWER PIPES**

TO SAS (UPSTREAM)	E.I. (DOWNSTREAM)	E.I. (UPSTREAM)	LENGTH (FT)	SLOPE (%)	SIZE	PVC TYPE	NOTES
E							
SAS #1	872.57	872.78	74	0.28%	12"	SDR-26	-
SAS #2	872.88	873.09	74	0.28%	12"	SDR-26	-
SAS #3	873.19	873.48	102	0.28%	12"	SDR-26	-
SAS #4	873.58	873.81	82	0.28%	12"	SDR-26	-
SAS #5	873.91	874.23	115	0.28%	12"	SDR-26	-
SAS #6	874.33	874.76	153	0.28%	12"	SDR-26	-
SAS #7	874.86	880.13	355	1.48%	12"	SDR-26	-
SAS #6A	875.05	877.07	62	3.26%	8"	SDR-26	-
SAS #9	880.23	882.40	443	0.49%	12"	SDR-26	-
SAS #7A	880.23	880.59	44	0.82%	8"	SDR-26	-
SAS #10	882.50	882.64	39	0.36%	12"	SDR-26	-
SAS #11	882.74	883.59	270	0.31%	12"	SDR-26	-
SAS #12	883.69	884.40	208	0.34%	12"	SDR-26	-
SAS #13	884.50	885.23	214	0.34%	12"	SDR-26	-
SAS #14	885.33	885.48	44	0.34%	12"	SDR-26	-
SAS #21	884.60	895.00	360	2.89%	8"	SDR-35	-
SAS #31	882.49	883.23	82	0.90%	8"	SDR-35	-
SAS #32	883.33	886.01	86	3.12%	8"	SDR-35	-
SAS #33	886.11	889.49	104	3.25%	8"	SDR-35	-
SAS #34	889.59	892.24	197	1.35%	8"	SDR-26	-
SAS #35	892.34	892.69	88	0.40%	8"	SDR-26	-
SAS #36	892.79	893.14	88	0.40%	8"	SDR-26	-

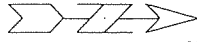
0709-201-1320-9  
 GAY, MICHAEL P  
 226 N Blackhawk Ave

N BLACKHAWK, BRUCE, & HEATHER 2018  
 PROJECT NO. 11743

SHEET NO.  
 SN-1

SANITARY SEWER  
 PLAN AND PROFILE

N BLACKHAWK AVENUE CITY OF MADISON



ABAN.EX.10"  
 VP SAN.(PLUGS)

SAS #14  
 INSTALL INTERNAL  
 CHIMNEY SEAL

EX.10"VP SAN.  
 (TO REMAIN)

REM.EX.1  
 3852-011

0709-201-1326-7  
 HODGSON, LINDSAY  
 322 N Blackhawk Ave

ABAN.EX.10"  
 VP SAN.(PLUGS)

REM.EX.SAS  
 3851-016

SOIL BORING  
 LOCATION

N BLACKHAWK AVENUE

\*10"- 44' @ 0.34%

ST ST

EX.21" VP STM

SAS #13  
 INSTALL INTERNAL  
 CHIMNEY SEAL

EX. 8" CIP SAN.  
 (TO REMAIN)

0709-201-1722-7  
 LOWE, CHRISTOPHER T  
 & LAURA J LOWE  
 225 N Blackhawk Ave

0709-201-1403-3  
 DIETERLE, MICHAEL C  
 & ULRIKE DIETERLE  
 323 N Blackhawk Ave

\*10"- 270' @ 0.31%

EX. 8" VP SAN.  
 (TO REMAIN)

EX. 18" VP STM

MATCHLINE STA 15+00.00

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CONTRACTOR SHALL REMOVE & RE  
 SIDEWALK AS NEEDED FOR LATERA  
 (MAX. OF 4 SW SQUARES PER LATEF

ABAN EX.10"  
 VP SAN.(PLUGS)

915

915

EX.10"VP SAN.  
 (TO REMAIN)

14+74.44 LT 10:33'  
 I=901.63

910

910

ABAN EX.10"  
 VP SAN.(PLUGS)

386.19(E) REM.EX.8" VP  
 384.91(S) ABAN EX.10" VP  
 384.87(N) ABAN EX.10" VP

905

905

REM. EX.  
 STA 10+5  
 RIM=898.00  
 RED TO COMPETENT  
 ONE BEDROCK  
 Elevation 884.32  
 MATERIAL

900

900

895

895

890

890

885

885

880

880

875

875

\*10"- 44' @ 0.34%

SAS #14  
 STA 10+13.79 LT 11.05'

RIM=898.50

EI=885.60(S) TAP EX.10" VP

EI=885.48(NE) \*10"

INSTALL INTERNAL  
 CHIMNEY SEAL

1  
 +74.17 RT 8.65'

11.34

.01(E) 8" OUTSIDE DROP

.23(E) 8" OUTSIDE DROP

.69(S) \*10"

.59(N) \*10"

\*10"- 270'

@ 0.31%

10+00

15+00

ORIGINAL

STEVENS STREET

SANITARY SEWER  
PLAN AND PROFILE

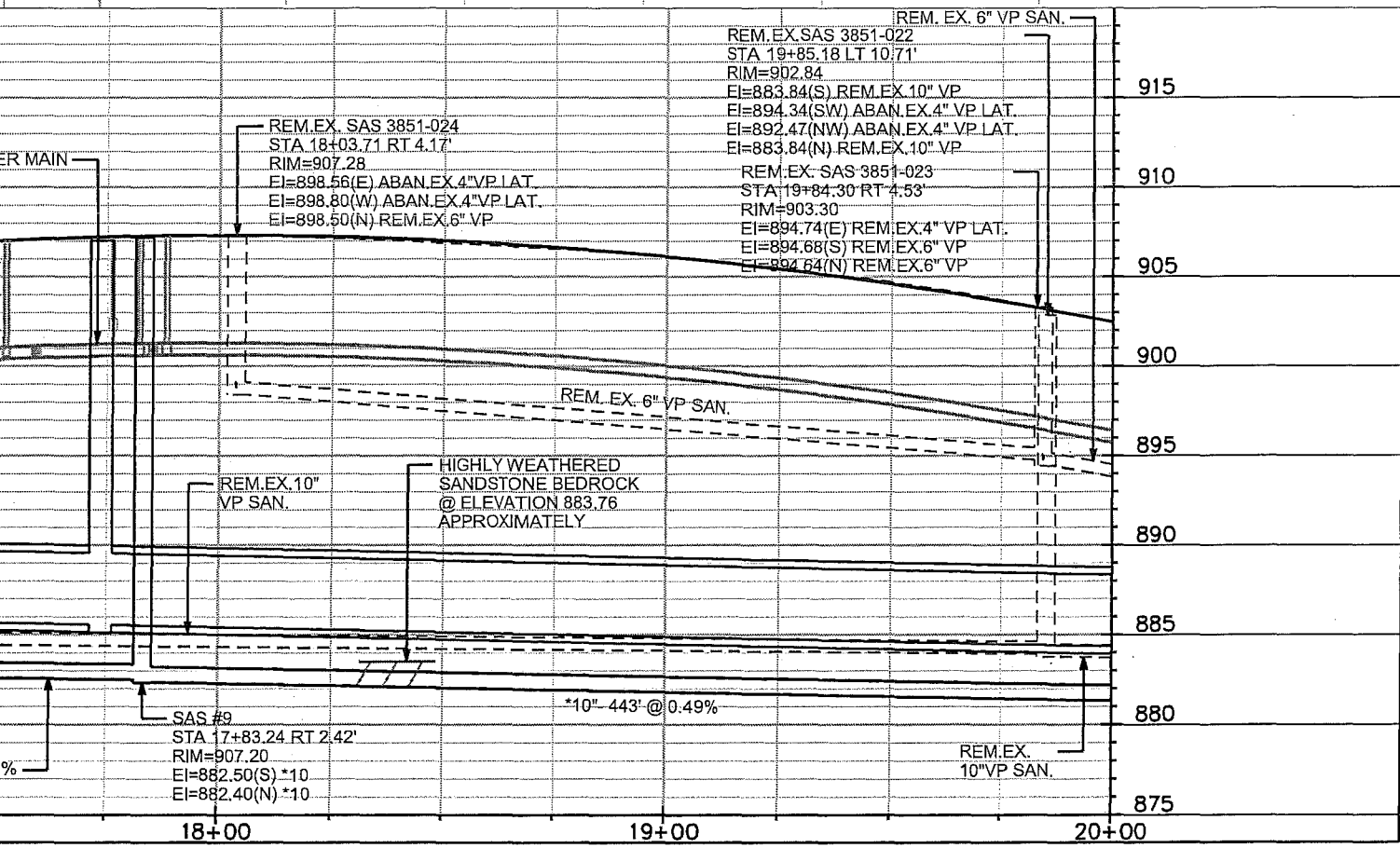
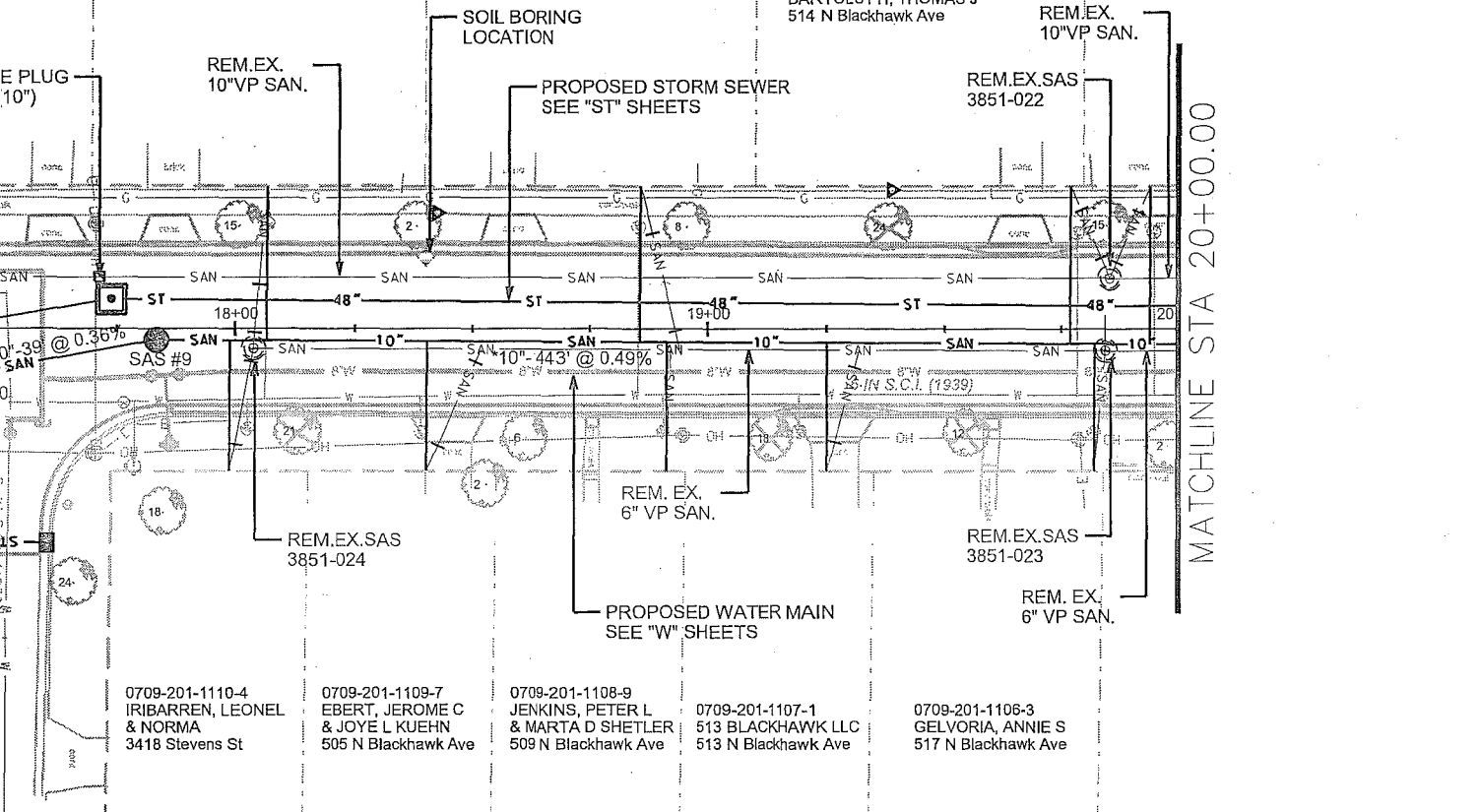
N BLACKHAWK AVENUE

CITY OF MADISON

0709-201-1213-6  
SPRAGUE, MARY L  
444 N Blackhawk Ave

0709-201-1214-4  
MASTERS, JOAN G  
510 N Blackhawk Ave

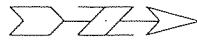
0709-201-1215-2  
BARTOLUCCI, THOMAS J  
514 N Blackhawk Ave



18+00

19+00

20+00



0709-201-1216-0  
ANDERSON, KYLE  
SHAWYN ANDERSON  
518 N Blackhawk Ave

0709-201-1216-0  
HANSON, ANDREA  
522 N B<sup>th</sup>

N BLACKHAWK, BRUCE, & HEATHER 2018  
PROJECT NO. 11743

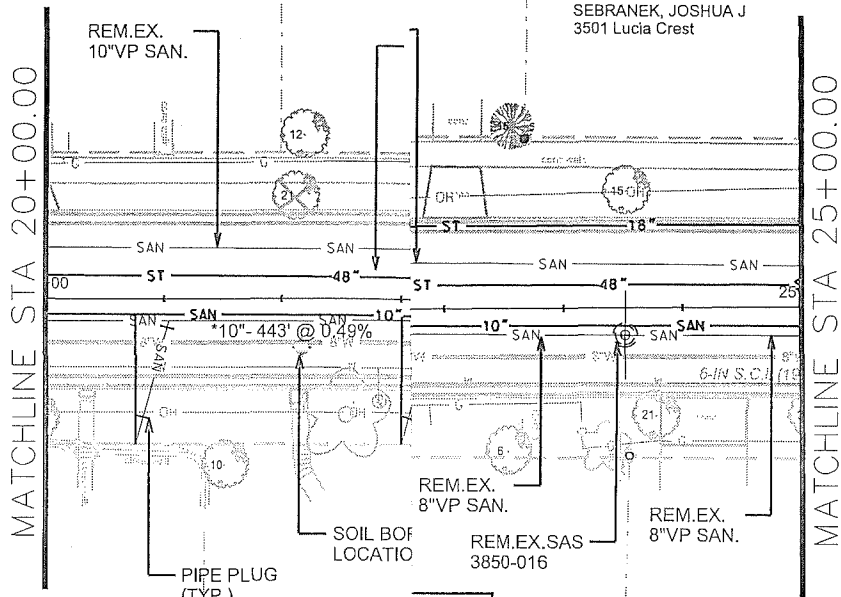
SHEET NO.  
SN-3

SANITARY SEWER  
PLAN AND PROFILE

N BLACKHAWK AVENUE

CITY OF MADISON

0709-201-0801-0  
SEBRANEK, JOSHUA J  
3501 Lucia Crest



0709-201-1105-5  
PORTER, BRIAN D  
SARAH E PORTER  
521 N Blackhawk Ave

0709-201-1104-7  
ALBUQUERQUE, SEVERIN  
525 N Blackhawk Ave

0709-201-0908-8  
HEFFRON, DANIEL & JILL  
628 N Blackhawk Ave

910

CONTRACTOR SHALL REMC  
SIDEWALK AS NEEDED FOR  
(MAX. OF 4 SW SQUARES PI

\* PIPE SHALL CONFORM TO  
ASTM D 3034 SDR-26

905

900

895

890

885

880

875

870

20+00

00

95

90

85

80

75

70

65

60

55

50

45

MATCHLINE STA 25+00.00

25+00

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SR/6/14/14

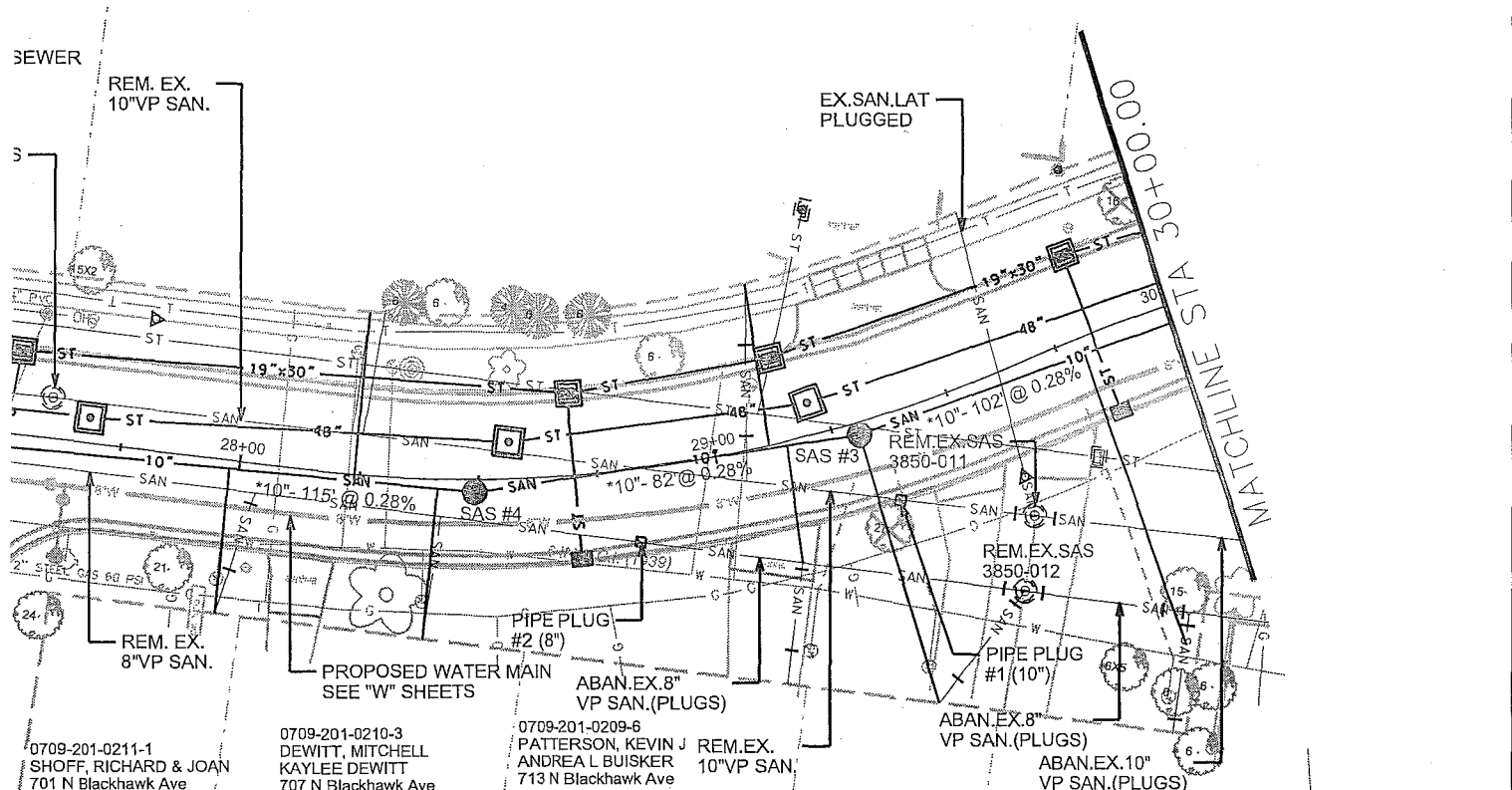


SANITARY SEWER  
PLAN AND PROFILE

N BLACKHAWK AVENUE

CITY OF MADISON

0709-201-0337-5  
WELTON FAMILY LTD PRTSHP  
STE 109  
3525 University Ave



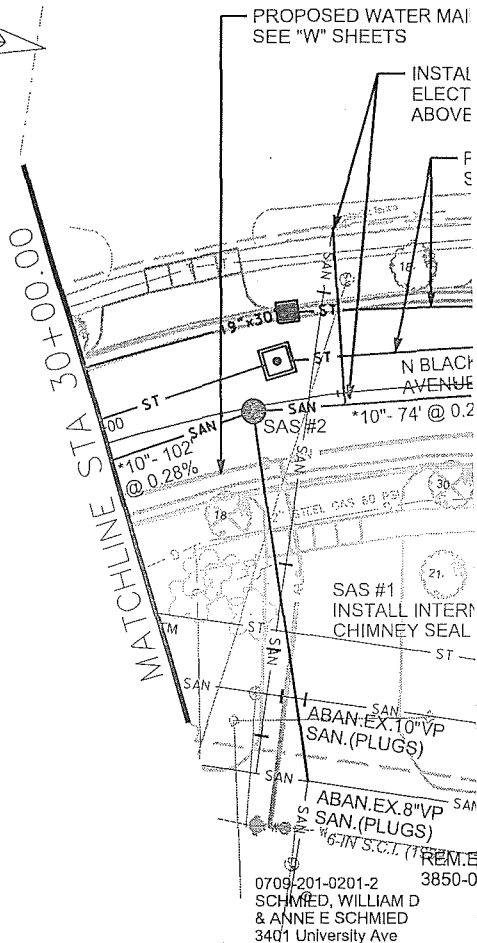
<p>REMOVE &amp; REPLACE FOR LATERALS (S PER LATERAL)</p>	<p>* PIPE SHALL CONFORM TO ASTM D 3034 SDR-26</p>	<p>REM. EX. SAS 3850-011 STA 29+57.83 RT 30.69' RIM=882.59 EI=875.49(S) ABAN.EX.10" VP EI=875.99(W) ABAN.EX.4" LAT EI=875.39(N) ABAN.EX.10" VP</p>	<p>905</p>
<p>PROPOSED WATER MAIN SEE "W" SHEETS</p>	<p>REM. EX. SAS 3850-012 STA 29+51.14 RT 44.56' RIM=882.60 EI=875.40(E) ABAN.EX.4" STUB LAT EI=875.20(S) ABAN.EX.8" VP SAN. EI=875.40(W) ABAN.EX.4" STUB LAT. EI=875.10(N) ABAN.EX.8" VP SAN.</p>	<p>900</p>	
<p>PROPOSED CENTERLINE GRADE</p>	<p>PROPOSED STORM SEWER SEE "ST" SHEETS</p>	<p>895</p>	
<p></p>	<p></p>	<p>890</p>	
<p></p>	<p></p>	<p>885</p>	
<p></p>	<p></p>	<p>880</p>	
<p></p>	<p></p>	<p>875</p>	
<p>*10"-115' @ 0.28%</p> <p>SAS #4 STA 28+49.15 RT 2.69' RIM=883.22 EI=873.91(S) *10" EI=873.81(N) *10"</p>	<p>*10"-82' @ 0.28%</p> <p>SAS #3 STA 29+30.21 RT 2.63' RIM=883.24 EI=873.68(N) 6" TAP EI=873.58(S) *10" EI=873.48(NW) *10"</p>	<p>870</p>	
<p>28+00</p>	<p>29+00</p>	<p>30+00</p>	<p>865</p>

SANITARY SEWER  
PLAN AND PROFILE

N BLACKHAWK AVENUE

CITY OF MADISON

DIGITAL



905

EX. SAS 3850-0  
STA 31+20.04  
RIM=883.17  
EI=872.67(SE)  
EI=874.37(S) ABAN. E  
EI=872.57(W) ABAN. E  
EI=872.47(N) ABAN. E  
RECONSTRUCT AND FLOWLINE

900

895

REM. EX. SAS 3850-0  
STA 31+05.26 RT 89.3  
RIM=882.06  
EI=874.42(S) ABAN. E  
EI=874.40(NW) ABAN. E

890

885

PROPOSED WATER MAIN  
SEE "W" SHEETS  
PROPOSED STORM SEWER  
SEE "ST" SHEETS

880

875

870

865

30+00

\*10"- 102'  
@ 0.28%  
SAS #2  
STA 30+31.90 RT 0.92  
RIM=882.98  
EI=873.29(NE) \*6" TAP  
EI=873.19(SE) \*10"  
EI=873.09(N) \*10"

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

## SANITARY SEWER SCHEDULE

CITY OF MADISON

**RY SEWER PIPES**

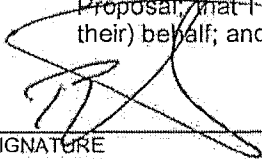
S REAM)	E.I. (DOWNSTREAM)	E.I. (UPSTREAM)	LENGTH (FT)	SLOPE (%)	SIZE	PVC TYPE	NOTES
1	872.57	872.78	74	0.28%	10"	SDR-26	-
2	872.88	873.09	74	0.28%	10"	SDR-26	-
3	873.19	873.48	102	0.28%	10"	SDR-26	-
4	873.58	873.81	82	0.28%	10"	SDR-26	-
5	873.91	874.23	115	0.28%	10"	SDR-26	-
6	874.33	874.76	153	0.28%	10"	SDR-26	-
7	874.86	880.13	355	1.48%	10"	SDR-26	-
8A	875.05	877.07	62	3.26%	8"	SDR-26	-
9	880.23	882.40	443	0.49%	10"	SDR-26	-
7A	880.23	880.59	44	0.82%	8"	SDR-26	-
10	882.50	882.64	39	0.36%	10"	SDR-26	-
11	882.74	883.59	270	0.31%	10"	SDR-26	-
12	883.69	884.40	208	0.34%	10"	SDR-26	-
13	884.50	885.23	214	0.34%	10"	SDR-26	-
14	885.33	885.48	44	0.34%	10"	SDR-26	-
21	884.60	895.00	360	2.89%	8"	SDR-35	-
31	882.49	883.23	82	0.90%	8"	SDR-35	-
32	883.33	886.01	86	3.12%	8"	SDR-35	-
33	886.11	889.49	104	3.25%	8"	SDR-35	-
34	889.59	892.24	197	1.35%	8"	SDR-26	-
35	892.34	892.69	88	0.40%	8"	SDR-26	-
36	892.79	893.14	88	0.40%	8"	SDR-26	-

SECTION E: BIDDERS ACKNOWLEDGEMENT

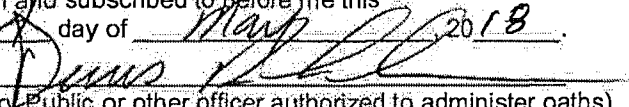
N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST  
RESURFACING WITH UTILITIES ASSESSMENT DISTRICT - 2018  
CONTRACT NO. 8191

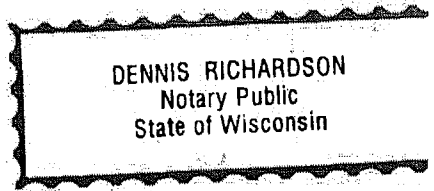
Bidder must state a Unit Price and Total Bid for each item. The Total Bid for each item must be the product of quantity, by Unit Price. The Grand Total must be the sum of the Total Bids for the various items. In case of multiplication errors or addition errors, the Grand Total with corrected multiplication and/or addition shall determine the Grand Total bid for each contract. The Unit Price and Total Bid must be entered numerically in the spaces provided. All words and numbers shall be written in ink.

- The undersigned having familiarized himself/herself with the Contract documents, including Advertisement for Bids, Instructions to Bidders, Form of Proposal, City of Madison Standard Specifications for Public Works Construction - 2018 Edition thereto, Form of Agreement, Form of Bond, and Addenda issued and attached to the plans and specifications on file in the office of the City Engineer, hereby proposes to provide and furnish all the labor, materials, tools, and expendable equipment necessary to perform and complete in a workmanlike manner the specified construction on this project for the City of Madison; all in accordance with the plans and specifications as prepared by the City Engineer, including Addenda Nos. 1 through 1 to the Contract, at the prices for said work as contained in this proposal. (Electronic bids submittals shall acknowledge addendum under Section E and shall not acknowledge here)
- If awarded the Contract, we will initiate action within seven (7) days after notification or in accordance with the date specified in the contract to begin work and will proceed with diligence to bring the project to full completion within the number of work days allowed in the Contract or by the calendar date stated in the Contract.
- The undersigned Bidder or Contractor certifies that he/she is not a party to any contract, combination in form of trust or otherwise, or conspiracy in restraint of trade or commerce or any other violation of the anti-trust laws of the State of Wisconsin or of the United States, with respect to this bid or contract or otherwise.
- I hereby certify that I have met the Bid Bond Requirements as specified in Section 102.5. (IF BID BOND IS USED, IT SHALL BE SUBMITTED ON THE FORMS PROVIDED BY THE CITY. FAILURE TO DO SO MAY RESULT IN REJECTION OF THE BID).
- I hereby certify that all statements herein are made on behalf of P.G. Huston Co., Inc. (name of corporation, partnership, or person submitting bid) a corporation organized and existing under the laws of the State of WISCONSIN a partnership consisting of \_\_\_\_\_; an individual trading as \_\_\_\_\_; of the City of \_\_\_\_\_ State of \_\_\_\_\_; that I have examined and carefully prepared this Proposal, from the plans and specifications and have checked the same in detail before submitting this Proposal, that I have fully authority to make such statements and submit this Proposal in (its, their) behalf; and that the said statements are true and correct.

  
 SIGNATURE  
PRESIDENT - BRAD HUSTON  
 TITLE, IF ANY



Sworn and subscribed to before me this 29 day of May 2018.  
  
 (Notary Public or other officer authorized to administer oaths)  
 My Commission Expires 1-10-20  
 Bidders shall not add any conditions or qualifying statements to this Proposal.



Contract 8191 – R. G. Huston Co., Inc.

Section F: Best Value Contracting (BVC)

This section is a required document for the bid to be considered complete. There are two methods for completing the Best Value Contracting (BVC) form. Method one: The form can be filled out online and submitted to this site to be included with your electronic bid. Method two: The form can be downloaded from the site and submitted by hand to the City of Madison.

Method of Submittal for BVC (click in box below to choose) \*

I will submit Bid Express fillable online form (BVC).

Best Value Contracting

1. The Contractor shall indicate the non-apprenticeable trades used on this contract.

2. Madison General Ordinance (M.G.O.), 33.07(7), does provide for some exemptions from the active apprentice requirement. Apprenticeable trades are those trades considered apprenticeable by the State of Wisconsin. Please check applicable box if you are seeking an exemption.

- Contractor has a total skilled workforce of four or less individuals in all apprenticeable trades combined.
- No available trade training program; The Contractor has been rejected by the only available trade training program, or there is no trade training program within 90 miles.
- Contractor is not using an apprentice due to having a journey worker on layoff status, provided the journey worker was employed by the contractor in the past six months.
- First time contractor on City of Madison Public Works contract requests a onetime exemption but intends to comply on all future contracts and is taking steps typical of a "good faith" effort.
- Contractor has been in business less than one year.
- Contractor doesn't have enough journeyman trade workers to qualify for a trade training program in that respective trade.
- An exemption is granted in accordance with a time period of a "Documented Depression" as defined by the State of Wisconsin.

3. The Contractor shall indicate on the following section which apprenticeable trades are to be used on this contract. Compliance with active apprenticeship, to the extent required by M.G.O. 33.07(7), shall be satisfied by documentation from an applicable trade training body; an apprenticeship contract with the Wisconsin Department of Workforce Development or a similar agency in another state; or the U.S Department of Labor. This documentation is required prior to the Contractor beginning work on the project site.

The Contractor has reviewed the list and shall not use any apprenticeable trades on this project.

LIST APPRENTICABLE TRADES (check all that apply to your work to be performed on this contract)

- BRICKLAYER
- CARPENTER
- CEMENT MASON / CONCRETE FINISHER
- CEMENT MASON (HEAVY HIGHWAY)
- CONSTRUCTION CRAFT LABORER
- DATA COMMUNICATION INSTALLER
- ELECTRICIAN
- ENVIRONMENTAL SYSTEMS TECHNICIAN / HVAC SERVICE TECH/HVAC INSTALL / SERVICE
- GLAZIER
- HEAVY EQUIPMENT OPERATOR / OPERATING ENGINEER
- INSULATION WORKER (HEAT and FROST)
- IRON WORKER
- IRON WORKER (ASSEMBLER, METAL BLDGS)
- PAINTER and DECORATOR
- PLASTERER
- PLUMBER
- RESIDENTIAL ELECTRICIAN
- ROOFER and WATER PROOFER
- SHEET METAL WORKER
- SPRINKLER FITTER
- STEAMFITTER
- STEAMFITTER (REFRIGERATION)
- STEAMFITTER (SERVICE)
- TAPER and FINISHER
- TELECOMMUNICATIONS (VOICE, DATA and VIDEO) INSTALLER-TECHNICIAN
- TILE SETTER

N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST  
RESURFACING WITH UTILITIES ASSESSMENT DISTRICT - 2018  
CONTRACT No. 8191

Small Business Enterprise Compliance Report

Cover Sheet

This information **MUST** be submitted in a separate sealed envelope marked  
"ENVELOPE NO. 2 - SBE COMPLIANCE REPORT".

Prime Bidder Information:

Company: R.G. Huston Company, Inc.

Address: 2561 Coffeytown Road  
Cottage Grove, WI 53527

Telephone Number: (608) 255-9223

Fax Number: (608) 839-5936

Contact Person/Title: Brad Huston, President

Prime Bidder Certification:

I, Brad Huston, President of R.G. Huston Company, Inc. certify that the information  
contained in this SBE Compliance Report is true and correct to the best of my  
knowledge and belief.

  
\_\_\_\_\_  
Witness' Signature

  
\_\_\_\_\_  
Bidder's Signature

5-24-18  
\_\_\_\_\_  
Date



N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST  
RESURFACING WITH UTILITIES ASSESSMENT DISTRICT - 2018  
CONTRACT No. 8191

Small Business Enterprise Compliance Report

Summary Sheet

This information MUST be submitted in a separate sealed envelope marked  
"ENVELOPE NO. 2 - SBE COMPLIANCE REPORT".

SBE SUBCONTRACTORS WHO ARE NOT SUPPLIERS

<u>Name(S) of SBEs Utilized</u>	<u>Type of Work</u>	<u>% of Total Bid Amount</u>
Bullet	Trucking	3.00%
ASTI	Sawcut	0.02%
JR's Construction	Landscaping	0.95%

Subtotal SBE who are not suppliers: 3.97 %

SBE SUBCONTRACTORS WHO ARE SUPPLIERS

<u>Name(S) of SBEs Utilized</u>	<u>Type of Work</u>	<u>% of Total Bid Amount</u>
---------------------------------	---------------------	------------------------------

Subtotal SBE who are suppliers: \_\_\_\_\_ % X 0.6 = \_\_\_\_\_ % (discounted to 60%)

Total Percentage of SBE Utilization: 3.97 %



**N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST RESURFACING WITH UTILITIES  
ASSESSMENT DISTRICT - 2018**

CONTRACT NO. 8191  
DATE: 5/24/18

R.G. Huston Co., Inc.

Item	Quantity	Price	Extension
<b>Section B: Proposal Page</b>			
10701.0 - TRAFFIC CONTROL - LUMP SUM	1.00	\$6,000.00	\$6,000.00
10702.0 - TRAFFIC CONTROL FOR STORM SEWER INSTALLATION - LUMP SUM	1.00	\$500.00	\$500.00
10703.0 - TRAFFIC CONTROL FOR WATER MAIN INSTALLATION - LUMP SUM	1.00	\$500.00	\$500.00
10704.0 - TRAFFIC CONTROL FOR SANITARY SEWER INSTALLATION - LUMP SUM	1.00	\$50.00	\$50.00
10720.0 - TRAFFIC CONTROL SIGN - PORTABLE ARROW BOARD - DAYS	20.00	\$25.00	\$500.00
10721.0 - TRAFFIC CONTROL SIGN - PORTABLE CHANGEABLE MESSAGE - DAYS	21.00	\$65.00	\$1,365.00
10801.0 - ROOT CUTTING - CURB AND GUTTER (UNDISTRIBUTED) - L.F.	500.00	\$1.00	\$500.00
10802.0 - ROOT CUTTING - SIDEWALK (UNDISTRIBUTED) - L.F.	250.00	\$1.00	\$250.00
10911.0 - MOBILIZATION - LUMP SUM	1.00	\$393,000.00	\$393,000.00
20101.0 - EXCAVATION CUT - C.Y.	4250.00	\$29.35	\$124,737.50
20217.0 - CLEAR STONE - TON	2400.00	\$12.65	\$30,360.00
20219.0 - BREAKER RUN - TON	1060.00	\$12.55	\$13,303.00
20221.0 - TOPSOIL - S.Y.	4000.00	\$7.90	\$31,600.00
20303.0 - SAWCUT BITUMINOUS PAVEMENT - L.F.	754.00	\$1.25	\$942.50
20311.0 - REMOVE SEWER ACCESS STRUCTURE - EACH	23.00	\$1,320.00	\$30,360.00
20312.0 - REMOVE CATCHBASIN - EACH	1.00	\$550.00	\$550.00
20313.0 - REMOVE INLET - EACH	14.00	\$500.00	\$7,000.00
20314.0 - REMOVE PIPE - L.F.	1767.00	\$8.55	\$15,107.85
20322.0 - REMOVE CONCRETE CURB & GUTTER - L.F.	5965.00	\$4.15	\$24,754.75
20323.0 - REMOVE CONCRETE SIDEWALK & DRIVE - S.F.	14400.00	\$2.35	\$33,840.00
20336.0 - PIPE PLUG - EACH	31.00	\$80.65	\$2,500.15
20401.0 - CLEARING - I.D.	370.00	\$23.44	\$8,672.80
20403.0 - GRUBBING - I.D.	370.00	\$15.99	\$5,916.30
20501.0 - ADJUST SEWER ACCESS STRUCTURE - EACH	1.00	\$468.00	\$468.00
20503.0 - ADJUST INLET - EACH	1.00	\$468.00	\$468.00
20701.0 - TERRACE SEEDING - S.Y.	4000.00	\$2.40	\$9,600.00
21002.0 - EROSION CONTROL INSPECTION - EACH	5.00	\$550.00	\$2,750.00
21011.0 - CONSTRUCTION ENTRANCE - EACH	11.00	\$550.00	\$6,050.00
21012.0 - STREET CONSTRUCTION ENTRANCE BERM - EACH	3.00	\$325.00	\$975.00
21013.0 - STREET SWEEPING - LUMP SUM	1.00	\$4,000.00	\$4,000.00
21015.0 - STREET CONSTRUCTION STONE BERM - EACH	22.00	\$325.00	\$7,150.00
21017.0 - SILT SOCK (8INCH) - COMPLETE - L.F.	135.00	\$10.00	\$1,350.00
21032.0 - INLET PROTECTION TYPE C - PROVIDE & INSTALL - EACH	22.00	\$80.00	\$1,760.00
21033.0 - INLET PROTECTION TYPE C - MAINTAIN - EACH	44.00	\$65.00	\$2,860.00
21034.0 - INLET PROTECTION TYPE C - REMOVE - EACH	22.00	\$40.00	\$880.00
21056.0 - INLET PROTECTION TYPE D HYBRID - PROVIDE & INSTALL - EACH	31.00	\$180.00	\$5,580.00
21057.0 - INLET PROTECTION TYPE D HYBRID - MAINTAIN - EACH	62.00	\$80.00	\$4,960.00
21058.0 - INLET PROTECTION TYPE D HYBRID - REMOVE - EACH	31.00	\$40.00	\$1,240.00
21061.0 - EROSION MATTING, CLASS I, URBAN TYPE A - S.Y.	4000.00	\$3.00	\$12,000.00
30201.0 - TYPE "A" CONCRETE CURB & GUTTER - L.F.	4992.00	\$15.35	\$76,627.20
30203.0 - TYPE "X" CONCRETE CURB & GUTTER - L.F.	155.00	\$20.00	\$3,100.00

**N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST RESURFACING WITH UTILITIES  
ASSESSMENT DISTRICT - 2018**

CONTRACT NO. 8191  
DATE: 5/24/18

R.G. Huston Co., Inc.

Item	Quantity	Price	Extension
30208.0 - HAND FORMED CURB AND GUTTER - L.F.	1058.00	\$30.00	\$31,740.00
30301.0 - 5 INCH CONCRETE SIDEWALK - S.F.	6740.00	\$5.60	\$37,744.00
30302.0 - 7 INCH CONCRETE SIDEWALK & DRIVE - S.F.	8835.00	\$6.15	\$54,335.25
30340.0 - CURB RAMP DETECTABLE WARNING FIELD - S.F.	80.00	\$25.00	\$2,000.00
40102.0 - CRUSHED AGGREGATE BASE COURSE, GRADATION 2 OR 3 - TON	6560.00	\$18.90	\$123,984.00
40201.0 - HMA PAVEMENT 3 LT 58-28S - TON	1200.00	\$63.64	\$76,368.00
40202.0 - HMA PAVEMENT 4 LT 58-28S - TON	1925.00	\$68.69	\$132,228.25
40218.0 - TACK COAT - GAL	1160.00	\$3.03	\$3,514.80
40311.0 - PULVERIZE AND SHAPE - SY	4200.00	\$2.45	\$10,290.00
40410.0 - CONCRETE SPEED HUMP - S.Y.	315.00	\$75.00	\$23,625.00
50103.0 - RECONSTRUCT BENCH & FLOWLINES - EACH	2.00	\$2,035.00	\$4,070.00
50201.0 - ROCK EXCAVATION (UNDISTRIBUTED) - C.Y.	500.00	\$0.50	\$250.00
50211.0 - SELECT BACKFILL FOR STORM SEWER - T.F.	4004.00	\$0.01	\$40.04
50212.0 - SELECT BACKFILL SANITARY SEWER - T.F.	5635.00	\$0.01	\$56.35
50225.0 - UTILITY TRENCH PATCH TYPE III - T.F.	100.00	\$110.00	\$11,000.00
50227.0 - UTILITY TRENCH PATCH TYPE IV - T.F.	1910.00	\$21.85	\$41,733.50
50301.0 - 8 INCH PVC SANITARY SEWER PIPE (SDR-35/26) - L.F.	1111.00	\$144.90	\$160,983.90
50303.0 - 12" PVC SANITARY SEWER PIPE SDR-35/26 - L.F.	2173.00	\$306.20	\$665,372.60
50321.0 - 8 INCH PVC PRESSURE SANITARY SEWER PIPE - L.F.	190.00	\$104.65	\$19,883.50
50325.0 - 18 INCH PVC PRESSURE SANITARY SEWER PIPE - L.F.	53.00	\$152.05	\$8,058.65
50353.0 - SANITARY SEWER LATERAL (SDR-35/26) - L.F.	2351.00	\$28.26	\$66,439.26
50356.0 - RECONNECT - EACH	80.00	\$4,550.00	\$364,000.00
50361.0 - WASTEWATER CONTROL - LUMP SUM	1.00	\$27,530.00	\$27,530.00
50390.0 - SEWER ELECTRONIC MARKERS - EACH	180.00	\$54.00	\$9,720.00
50401.0 - 12 INCH TYPE I RCP STORM SEWER PIPE - L.F.	445.00	\$96.20	\$42,809.00
50402.0 - 15 INCH TYPE I RCP STORM SEWER PIPE - L.F.	86.00	\$99.00	\$8,514.00
50403.0 - 18 INCH TYPE I RCP STORM SEWER PIPE - L.F.	664.00	\$97.75	\$64,906.00
50404.0 - 21 INCH TYPE I RCP STORM SEWER PIPE - L.F.	74.50	\$114.05	\$8,496.73
50405.0 - 24 INCH TYPE I RCP STORM SEWER PIPE - L.F.	79.00	\$115.75	\$9,144.25
50411.0 - 48 INCH TYPE I RCP STORM SEWER PIPE - L.F.	2052.00	\$293.80	\$602,877.60
50419.0 - 19 INCH X 30 INCH TYPE I HERCP STORM SEWER PIPE - L.F.	362.50	\$126.70	\$45,928.75
50701.0 - 4' DIA SANITARY SAS - EACH	23.00	\$4,310.00	\$99,130.00
50723.0 - 3'X3' STORM SAS - EACH	10.00	\$3,310.00	\$33,100.00
50724.0 - 4'X4' STORM SAS - EACH	6.00	\$3,720.00	\$22,320.00
50725.0 - 5'X5' STORM SAS - EACH	12.00	\$7,615.00	\$91,380.00
50741.0 - TYPE H INLET - EACH	22.00	\$2,540.00	\$55,880.00
50766.0 - TERRACE INLET TYPE 1 - EACH	3.00	\$6,700.00	\$20,100.00
50768.0 - TERRACE INLET TYPE 3 - EACH	1.00	\$4,900.00	\$4,900.00
50771.0 - INTERNAL CHIMNEY SEAL - EACH	3.00	\$320.00	\$960.00
50781.0 - 8 INCH SANITARY SEWER OUTSIDE DROP - V.F.	2.20	\$550.00	\$1,210.00
50791.0 - SANITARY SEWER TAP - EACH	9.00	\$1,125.00	\$10,125.00
50792.0 - STORM SEWER TAP - EACH	3.00	\$1,550.00	\$4,650.00
50801.0 - UTILITY LINE OPENING (ULO) - EACH	23.00	\$720.00	\$16,560.00
50802.0 - CONCRETE SUPPORTS - EACH	1.00	\$3,635.00	\$3,635.00
60970.0 - TEMPORARY PAVEMENT MARKING TAPE, REMOVABLE, REFLECTIVE, LINE, 4-INCH - L.F.	100.00	\$1.00	\$100.00

**N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST RESURFACING WITH UTILITIES  
ASSESSMENT DISTRICT - 2018**

CONTRACT NO. 8191

DATE: 5/24/18

R.G. Huston Co., Inc.

Item	Quantity	Price	Extension
60971.0 - TEMPORARY PAVEMENT MARKING TAPE, REMOVABLE, DOUBLE LINE, 4-INCH - L.F.	100.00	\$2.00	\$200.00
60975.0 - TEMPORARY PAVEMENT MARKING TAPE, REMOVABLE, LINE, 24-INCH - L.F.	75.00	\$6.00	\$450.00
70002.0 - FURNISH AND INSTALL 6 INCH PIPE & FITTINGS - L.F.	340.00	\$123.00	\$41,820.00
70003.0 - FURNISH AND INSTALL 8 INCH PIPE & FITTINGS - L.F.	2340.00	\$127.25	\$297,765.00
70031.0 - FURNISH AND INSTALL 6-INCH WATER VALVE - EACH	11.00	\$1,455.00	\$16,005.00
70032.0 - FURNISH AND INSTALL 8-INCH WATER VALVE - EACH	11.00	\$1,850.00	\$20,350.00
70040.0 - FURNISH, INSTALL AND SALVAGE HYDRANT - EACH	7.00	\$4,150.00	\$29,050.00
70053.0 - REPLACE 1-INCH COPPER SERVICE LATERAL - EACH	7.00	\$4,500.00	\$31,500.00
70056.0 - RECONNECT 1-INCH SERVICE LATERAL - EACH	43.00	\$2,535.00	\$109,005.00
70058.0 - RECONNECT 2-INCH SERVICE LATERAL - EACH	1.00	\$3,505.00	\$3,505.00
70080.0 - CUT-IN OR CONNECT TO EXISTING WATER SYSTEM - EACH	6.00	\$3,315.00	\$19,890.00
70081.0 - FURNISH EXCAVATION AND DITCH FOR LIVE TAP - EACH	1.00	\$1,400.00	\$1,400.00
70082.0 - CUT OFF EXISTING WATER MAIN - EACH	3.00	\$1,000.00	\$3,000.00
70090.0 - ABANDON WATER VALVE BOX - EACH	10.00	\$170.00	\$1,700.00
70091.0 - ABANDON WATER VALVE ACCESS STRUCTURE - EACH	1.00	\$1,015.00	\$1,015.00
70101.0 - FURNISH AND INSTALL STYROFOAM - L.F.	328.00	\$14.00	\$4,592.00
70104.0 - ADJUST WATER VALVE BOX - EACH	10.00	\$270.00	\$2,700.00
90001.0 - TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS - EACH	50.00	\$25.00	\$1,250.00
90002.0 - TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES - EACH	50.00	\$6.00	\$300.00
90003.0 - LOWER WATER SERVICE UNDER STORM SEWER - EACH	7.00	\$2,040.00	\$14,280.00
90004.0 - TEMPORARY STEEL PIPE PLUG - EACH	1.00	\$4,670.00	\$4,670.00
90005.0 - TEMPORARY DRIVEWAY ACCESS - LUMP SUM	1.00	\$13,185.00	\$13,185.00
<b>108 Items</b>	<b>Totals</b>		<b>\$4,513,453.48</b>



Department of Public Works  
**Engineering Division**  
Robert F. Phillips, P.E., City Engineer

City-County Building, Room 115  
210 Martin Luther King, Jr. Boulevard  
Madison, Wisconsin 53703  
Phone: (608) 266-4751  
Fax: (608) 264-9275  
[engineering@cityofmadison.com](mailto:engineering@cityofmadison.com)  
[www.cityofmadison.com/engineering](http://www.cityofmadison.com/engineering)

**Assistant City Engineer**

Gregory T. Fries, P.E.  
Kathleen M. Cryan

**Principal Engineer 2**

Christopher J. Petykowski, P.E.  
John S. Fahrney, P.E.

**Principal Engineer 1**

Christina M. Bachmann, P.E.  
Eric L. Dundee, P.E.

**Facilities & Sustainability**

Jeanne E. Hoffman, Manager

**Mapping Section Manager**

Eric T. Pederson, P.S.

**Financial Manager**

Steven B. Danner-Rivers

**BIENNIAL BID BOND**

R.G. Huston Co., Inc.

(a corporation of the State of Wisconsin)  
(individual), (partnership), (hereinafter referred to as the "Principal") and  
Travelers Casualty and Surety Company of America

a corporation of the State of Connecticut (hereinafter referred to as the "Surety") and licensed to do business in the State of Wisconsin, are held and firmly bound unto the City of Madison, Wisconsin (hereinafter referred to as the "City"), in the sum equal to the individual proposal guaranty amounts of the total bid or bids of the Principal herein accepted by the City, for the payment of which the Principal and the Surety hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The condition of this obligation is that the Principal has submitted to the City certain bids for projects from the time period of February 1, 2018 through January 31, 2020.

If the Principal is awarded the contract(s) by the City and, within the time and manner required by law after the prescribed forms are presented for its signature, the Principal enters into (a) written contract(s) in accordance with the bid(s), and files with the City its bond(s) guaranteeing faithful performance and payment for all labor and materials, as required by law, or if the City rejects all bids for the work described, then this obligation shall be null and void; otherwise, it shall remain in full force and effect.

In the event the Principal shall fail to execute and deliver the contract(s) or the performance and payment bond(s), all within the time specified or any extension thereof, the Principal and Surety agree jointly and severally to pay to the City within ten (10) calendar days of written demand a total equal to the sum of the individual proposal guaranty amounts of the total bid(s) as liquidated damages.

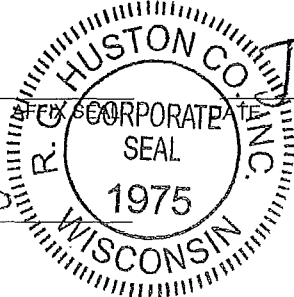
The Surety, for value received, hereby agrees that the obligations of it and its bond shall be in no way impaired or affected by any extension of time within which the City may accept a bid, and the Surety does hereby waive notice of any such extension.

This bond may be terminated by the Surety upon giving thirty (30) days written notice to the City of its intent to terminate this bond and to be released and discharged therefrom, but such termination shall not operate to relieve or discharge the Surety from any liability already accrued or which shall accrue before the expiration of such thirty (30) day period.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, on the day and year set forth below.

**PRINCIPAL**

R.G. Huston Co., Inc.  
COMPANY NAME

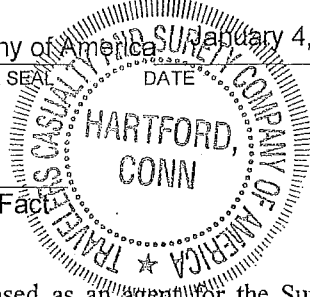


January 8, 2018

By:   
SIGNATURE AND TITLE

**SURETY**

Travelers Casualty and Surety Company of America  
COMPANY NAME AFFIX SEAL DATE January 4, 2018



By:   
SIGNATURE AND TITLE Attorney-in-Fact

This certifies that I have been duly licensed as an agent for the Surety in Wisconsin under National Provider No. 283633 for the year 2018 and appointed as attorney in fact with authority to execute this bid bond, which power of attorney has not been revoked.

January 4, 2018  
DATE

AGENT SIGNATURE

20975 Swenson Drive - Suite 175  
ADDRESS

Waukesha, Wisconsin 53186  
CITY, STATE AND ZIP CODE

262-317-8044  
TELEPHONE NUMBER

Note to Surety and Principal: Any bid submitted which this bond guarantees may be rejected if the Power of Attorney form showing that the Agent of Surety is currently authorized to execute bonds on behalf of Surety is not attached to this bond.



POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 232082

Certificate No. 007269866

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Anthony S. Von Rueden, Todd Looker, Robert E Flath, Dennis M Barton, Joseph L Vigna, and Elizabeth M Fedyn

of the City of Milwaukee/Waukesha, State of Wisconsin, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 19th day of June, 2017.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: [Signature]
Robert L. Raney, Senior Vice President

On this the 19th day of June, 2017, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.
My Commission expires the 30th day of June, 2021.



[Signature]
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

**RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

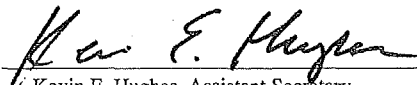
**FURTHER RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

**FURTHER RESOLVED**, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

**FURTHER RESOLVED**, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 4<sup>th</sup> day of January, 20 18.

  
Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at [www.travelersbond.com](http://www.travelersbond.com). Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

## SECTION H: AGREEMENT

THIS AGREEMENT made this 20 day of JUNE in the year Two Thousand and Eighteen between **R. G. HUSTON CO., INC.** hereinafter called the Contractor, and the City of Madison, Wisconsin, hereinafter called the City.

WHEREAS, the Common Council of the said City of Madison under the provisions of a resolution adopted **JUNE 19, 2018**, and by virtue of authority vested in the said Council, has awarded to the Contractor the work of performing certain construction.

NOW, THEREFORE, the Contractor and the City, for the consideration hereinafter named, agree as follows:

1. **Scope of Work.** The Contractor shall, perform the construction, execution and completion of the following listed complete work or improvement in full compliance with the Plans, Specifications, Standard Specifications, Supplemental Specifications, Special Provisions and contract; perform all items of work covered or stipulated in the proposal; perform all altered or extra work; and shall furnish, unless otherwise provided in the contract, all materials, implements, machinery, equipment, tools, supplies, transportation, and labor necessary to the prosecution and completion of the work or improvements:

### **N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST RESURFACING WITH UTILITIES ASSESSMENT DISTRICT - 2018 CONTRACT NO. 8191**

2. **Completion Date/Contract Time.** Construction work must begin within seven (7) calendar days after the date appearing on mailed written notice to do so shall have been sent to the Contractor and shall be carried on at a rate so as to secure full completion SEE SPECIAL PROVISIONS, the rate of progress and the time of completion being essential conditions of this Agreement.
3. **Contract Price.** The City shall pay to the Contractor at the times, in the manner and on the conditions set forth in said specifications, the sum of **FOUR MILLION FIVE HUNDRED THIRTEEN THOUSAND FOUR HUNDRED FIFTY-THREE AND 48/100 (\$4,513,453.48)** Dollars being the amount bid by such Contractor and which was awarded to him/her as provided by law.
4. **Affirmative Action.** In the performance of the services under this Agreement the Contractor agrees not to discriminate against any employee or applicant because of race, religion, marital status, age, color, sex, disability, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, gender identity, political beliefs, or student status. The Contractor further agrees not to discriminate against any subcontractor or person who offers to subcontract on this contract because of race, religion, color, age, disability, sex, sexual orientation, gender identity or national origin.

The Contractor agrees that within thirty (30) days after the effective date of this agreement, the Contractor will provide to the City Affirmative Action Division certain workforce utilization statistics, using a form to be furnished by the City.

If the contract is still in effect, or if the City enters into a new agreement with the Contractor, within one year after the date on which the form was required to be provided, the Contractor will provide updated workforce information using a second form, also to be furnished by the City. The second form will be submitted to the City Affirmative Action Division no later than one year after the date on which the first form was required to be provided.

The Contractor further agrees that, for at least twelve (12) months after the effective date of this contract, it will notify the City Affirmative Action Division of each of its job openings at facilities in Dane County for which applicants not already employees of the Contractor are to be considered.



The notice will include a job description, classification, qualifications and application procedures and deadlines. The Contractor agrees to interview and consider candidates referred by the Affirmative Action Division if the candidate meets the minimum qualification standards established by the Contractor, and if the referral is timely. A referral is timely if it is received by the Contractor on or before the date started in the notice.

## Articles of Agreement

### Article I

The Contractor shall take affirmative action in accordance with the provisions of this contract to insure that applicants are employed, and that employees are treated during employment without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin and that the employer shall provide harassment free work environment for the realization of the potential of each employee. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training including apprenticeship insofar as it is within the control of the Contractor. The Contractor agrees to post in conspicuous places available to employees and applicants notices to be provided by the City setting out the provisions of the nondiscrimination clauses in this contract.

### Article II

The Contractor shall in all solicitations or advertisements for employees placed by or on behalf of the Contractors state that all qualified or qualifiable applicants will be employed without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin.

### Article III

The Contractor shall send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding a notice to be provided by the City advising the labor union or worker's representative of the Contractor's equal employment opportunity and affirmative action commitments. Such notices shall be posted in conspicuous places available to employees and applicants for employment.

### Article V

The Contractor agrees that it will comply with all provisions of the Affirmative Action Ordinance of the City of Madison, including the contract compliance requirements. The Contractor agrees to submit the model affirmative action plan for public works contractors in a form approved by the Affirmative Action Division Manager.

### Article VI

The Contractor will maintain records as required by Section 39.02(9)(f) of the Madison General Ordinances and will provide the City Affirmative Action Division with access to such records and to persons who have relevant and necessary information, as provided in Section 39.02(9)(f). The City agrees to keep all such records confidential, except to the extent that public inspection is required by law.

### Article VII

In the event of the Contractor's or subcontractor's failure to comply with the Equal Employment Opportunity and Affirmative Action Provisions of this contract or Section 39.03 and 39.02 of the Madison General Ordinances, it is agreed that the City at its option may do any or all of the following:

1. Cancel, terminate or suspend this Contract in whole or in part.
2. Declare the Contractor ineligible for further City contracts until the Affirmative Action requirements are met.
3. Recover on behalf of the City from the prime Contractor 0.5 percent of the contract award price for each week that such party fails or refuses to comply, in the nature of liquidated damages, but not to exceed a total of five percent (5%) of the contract price, or five thousand dollars (\$5,000), whichever is less. Under public works contracts, if a subcontractor is in noncompliance, the City may recover liquidated damages from the prime Contractor in the manner described above. The preceding sentence shall not be construed to prohibit a prime Contractor from recovering the amount of such damage from the non-complying subcontractor.

#### Article VIII

The Contractor shall include the above provisions of this contract in every subcontract so that such provisions will be binding upon each subcontractor. The Contractor shall take such action with respect to any subcontractor as necessary to enforce such provisions, including sanctions provided for noncompliance.

#### Article IX

The Contractor shall allow the maximum feasible opportunity to small business enterprises to compete for any subcontracts entered into pursuant to this contract. (In federally funded contracts the terms "DBE, MBE and WBE" shall be substituted for the term "small business" in this Article.)

5. Substance Abuse Prevention Program Required. Prior to commencing work on the Contract, the Contractor, and any Subcontractor, shall have in place a written program for the prevention of substance abuse among its employees as required under Wis. Stat. Sec. 103.503.
6. **Contractor Hiring Practices.**

#### **Ban the Box - Arrest and Criminal Background Checks. (Sec. 39.08, MGO)**

This provision applies to all prime contractors on contracts entered into on or after January 1, 2016, and all subcontractors who are required to meet prequalification requirements under MGO 33.07(7)(I), MGO as of the first time they seek or renew pre-qualification status on or after January 1, 2016. The City will monitor compliance of subcontractors through the pre-qualification process.

- a. **Definitions.** For purposes of this section, "Arrest and Conviction Record" includes, but is not limited to, information indicating that a person has been questioned, apprehended, taken into custody or detention, held for investigation, arrested, charged with, indicted or tried for any felony, misdemeanor or other offense pursuant to any law enforcement or military authority.

"Conviction record" includes, but is not limited to, information indicating that a person has been convicted of a felony, misdemeanor or other offense, placed on probation, fined, imprisoned or paroled pursuant to any law enforcement or military authority.

"Background Check" means the process of checking an applicant's arrest and conviction record, through any means.

- b. **Requirements.** For the duration of this Contract, the Contractor shall:

1. Remove from all job application forms any questions, check boxes, or other inquiries regarding an applicant's arrest and conviction record, as defined herein.
2. Refrain from asking an applicant in any manner about their arrest or conviction record until after conditional offer of employment is made to the applicant in question.
3. Refrain from conducting a formal or informal background check or making any other inquiry using any privately or publicly available means of obtaining the arrest or conviction record of an applicant until after a conditional offer of employment is made to the applicant in question.
4. Make information about this ordinance available to applicants and existing employees, and post notices in prominent locations at the workplace with information about the ordinance and complaint procedure using language provided by the City.
5. Comply with all other provisions of Sec. 39.08, MGO.

**c. Exemptions:** This section shall not apply when:

1. Hiring for a position where certain convictions or violations are a bar to employment in that position under applicable law, or
2. Hiring a position for which information about criminal or arrest record, or a background check is required by law to be performed at a time or in a manner that would otherwise be prohibited by this ordinance, including a licensed trade or profession where the licensing authority explicitly authorizes or requires the inquiry in question.

To be exempt, Contractor has the burden of demonstrating that there is an applicable law or regulation that requires the hiring practice in question, if so, the contractor is exempt from all of the requirements of this ordinance for the position(s) in question.

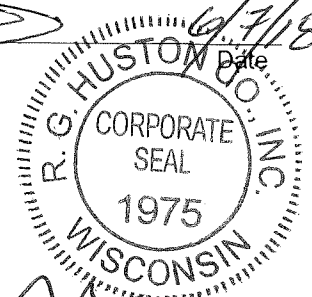
**N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST  
RESURFACING WITH UTILITIES ASSESSMENT DISTRICT - 2018  
CONTRACT NO. 8191**

IN WITNESS WHEREOF, the Contractor has hereunto set his/her hand and seal and the City has caused these presents to be sealed with its corporate seal and to be subscribed by its Mayor and City Clerk the day and year first above written.

Countersigned:

[Signature] 6.7.18  
Witness Date  
[Signature] 6/7/18  
Witness Date

**R. G. HUSTON CO., INC.**  
Company Name  
[Signature] 6/7/18  
President Date  
[Signature] 6/7/18  
Secretary Date



CITY OF MADISON, WISCONSIN

Provisions have been made to pay the liability that will accrue under this contract.

Approved as to form:

[Signature]  
Finance Director

[Signature]  
City Attorney

Signed this 16th day of July, 2018

[Signature]  
Witness

[Signature] 16 July 2018  
Mayor Date

[Signature]  
Witness

[Signature] 6-29-2018  
City Clerk Date

**SECTION I: PAYMENT AND PERFORMANCE BOND**

KNOW ALL MEN BY THESE PRESENTS, that we R. G. HUSTON CO., INC., as principal, and Travelers Casualty and Surety Company of America Company of Hartford, Connecticut as surety, are held and firmly bound unto the City of Madison, Wisconsin, in the sum of **FOUR MILLION FIVE HUNDRED THIRTEEN THOUSAND FOUR HUNDRED FIFTY-THREE AND 48/100 (\$4,513,453.48)** Dollars, lawful money of the United States, for the payment of which sum to the City of Madison, we hereby bind ourselves and our respective executors and administrators firmly by these presents.

The condition of this Bond is such that if the above bounden shall on his/her part fully and faithfully perform all of the terms of the Contract entered into between him/herself and the City of Madison for the construction of:

**N. BLACKHAWK AVENUE, BRUCE COURT, AND HEATHER CREST  
RESURFACING WITH UTILITIES ASSESSMENT DISTRICT - 2018  
CONTRACT NO. 8191**

in Madison, Wisconsin, and shall pay all claims for labor performed and material furnished in the prosecution of said work, and save the City harmless from all claims for damages because of negligence in the prosecution of said work, and shall save harmless the said City from all claims for compensation (under Chapter 102, Wisconsin Statutes) of employees and employees of subcontractor, then this Bond is to be void, otherwise of full force, virtue and effect.

Signed and sealed this 20th day of June, 2018

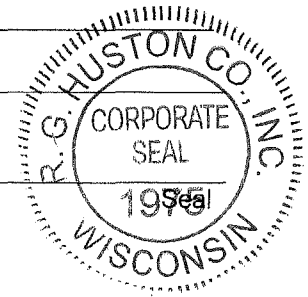
Countersigned:

[Signature]  
Witness

Secretary

R. G. HUSTON CO., INC.  
Company Name (Principal)

[Signature]  
President



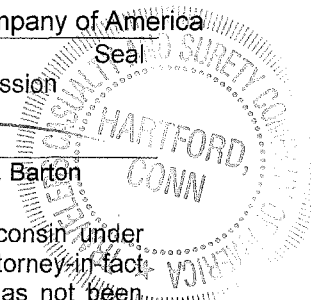
Approved as to form:

[Signature]  
City Attorney

Travelers Casualty and Surety Company of America

Surety Seal  
 Salary Employee  Commission

By [Signature]  
Attorney-in-Fact Dennis M. Barton



This certifies that I have been duly licensed as an agent for the above company in Wisconsin under National Producer Number 283633 for the year 2018 and appointed as attorney-in-fact with authority to execute this payment and performance bond which power of attorney has not been revoked.

June 20, 2018  
Date

[Signature]  
Agent Signature Dennis Barton



**Travelers Casualty and Surety Company of America**  
**Travelers Casualty and Surety Company**  
**St. Paul Fire and Marine Insurance Company**

**POWER OF ATTORNEY**

**KNOW ALL MEN BY THESE PRESENTS:** That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **DENNIS M BARTON** of **MILWAUKEE Wisconsin**, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

**IN WITNESS WHEREOF**, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **3rd** day of **February**, **2017**.



State of Connecticut

City of Hartford ss.

By:   
 Robert L. Raney, Senior Vice President

On this the **3rd** day of **February**, **2017**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

**In Witness Whereof**, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, **2021**



Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

**RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

**FURTHER RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

**FURTHER RESOLVED**, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

**FURTHER RESOLVED**, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **20th** day of **June**, **2018**



Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.**  
**Please refer to the above-named Attorney-in-Fact and the details of the bond to which the power is attached.**