

\$4,623,842.18

BID OF S&L Underground, Inc.

2026

PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS

FOR

Pflaum Road Resurfacing Assessments District - 2025

CONTRACT NO. 8747

PROJECT NO. 14781

IN

MADISON, DANE COUNTY, WISCONSIN

AWARDED BY THE COMMON COUNCIL
MADISON, WISCONSIN ON Jun 23, 2026

CITY ENGINEERING DIVISION
1600 EMIL STREET
MADISON, WISCONSIN 53713

<https://bidexpress.com/login>

**PFLAUM ROAD RESURFACING ASSESSMENTS DISTRICT - 2025
CONTRACT NO. 8747**

INDEX

SECTION A: ADVERTISEMENT FOR BIDS AND INSTRUCTIONS TO BIDDERS	A-1
SECTION B: PROPOSAL SECTION	B-1
SECTION C: SMALL BUSINESS ENTERPRISE	C-1
SECTION D: SPECIAL PROVISIONS	D-1
SECTION E: BIDDER'S ACKNOWLEDGEMENT	E-1
SECTION F: BEST VALUE CONTRACTING	F-1
SECTION G: BID BOND	G-1
SECTION H: AGREEMENT	H-1
SECTION I: PAYMENT AND PERFORMANCE BOND	I-1

This Proposal, and Agreement have
been prepared by:

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



James M. Wolfe, P.E., City Engineer

JMW: IO

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:	PFLAUM ROAD RESURFACING ASSESSMENTS DISTRICT - 2025
CONTRACT NO.:	8747
SBE GOAL	7%
BID BOND	5%
SBE PRE BID MEETING (2:00 P.M.)	May 14, 2026; See Pre Bid Meeting info below.
PREQUALIFICATION APPLICATION DUE (2:00 P.M.)	May 14, 2026
BID SUBMISSION (2:00 P.M.)	May 21, 2026
BID OPEN (2:30 P.M.)	May 21, 2026
PUBLISHED IN WSJ	May 7 & May 14, 2026

SBE PRE BID MEETING: Pre-Bid Meetings are being held virtually. Advance registration is required. Visit the SBE Meeting web page on Engineering's web site:

<https://www.cityofmadison.com/engineering/developers-contractors/contractors/how-to-bid-public-works-contracts/small-business>.

Questions regarding SBE Program requirements may be directed to Tracy Lomax, Affirmative Action Division. Tracy may be reached at (608) 267-8634, or by email, TLomax@cityofmadison.com.

PREQUALIFICATION APPLICATION: Forms are available on our website, www.cityofmadison.com/engineering/developers-contractors/contractors/how-to-get-prequalified. 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.

Bids may be submitted on line through Bid Express or in person at 1600 Emil St. The bids will be posted on line after the bid opening. If you have any questions, please call Isaac Gabriel at (608) 267-1197, or Kyle Frank at (608) 266-9091.

STANDARD SPECIFICATIONS

The City of Madison's Standard Specifications for Public Works Construction - 2026 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/engineering/developers-contractors/standard-specifications.

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)l. 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). 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 (City of Madison form) 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 ☐ Hydro Excavating
243 ☐ Infrared Seamless Patching
245 ☐ Landscaping, Maintenance
246 ☐ Ecological Restoration (Certification required, See Section III & provide a minimum of 3 references)
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, \$1,500,000 to \$10,000,000
426 ☐ General Building Construction, over \$10,000,000
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. 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

State of Wisconsin Certifications (continued)

- 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.
- 9 ☐ Pesticide application (Certification for Commercial Applicator in the category of Right-of-Way (6.0) and possess a current license issued by the DATCP)
- 10 ☐ Other:

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 <https://www.cityofmadison.com/civil-rights/contract-compliance>.

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/civil-rights/contract-compliance/targeted-business-enterprise-programs/targeted-business-enterprise. 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

PFLAUM ROAD RESURFACING ASSESSMENTS DISTRICT - 2025 CONTRACT NO. 8747

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 102.11 BEST VALUE CONTRACTING

This Contract shall be considered a Best Value Contract if the Contractor's bid is equal to or greater than \$79,000 for a single trade contract; or equal to or greater than \$386,500 for a multi-trade contract pursuant to MGO 33.07(7).

ARTICLE 104 SCOPE OF WORK

This project will take place at Pflaum Road between Monona Drive and S Stoughton Road shall include, but is not limited to replacement of sanitary sewer main and laterals, replacement of water main and reconnection of water services, and storm sewer main, structures and laterals, excavation, base preparation, curb and gutter, driveway aprons, sidewalk, installation of a new bicycle path, underground terrace and sidewalk support systems, asphalt pavement, and pavement marking.

Phase 1:

Pflaum Road may be closed to eastbound traffic from Kvamme Lane to South Stoughton Service Road for utility installation, and street construction. Westbound traffic shall be maintained at all times. Access to commercial driveways must be maintained at all times. Construct driveways in halves when necessary to allow local traffic or notify residence/business 72 hours for full closures. Intersections shall remain open unless working in intersection.

Phase 2:

Pflaum Road may be closed to eastbound traffic from Admiral Drive to Kvamme Lane for utility installation and street construction. Westbound traffic shall be maintained at all times. Parking lane adjacent school shall be maintained during school drop off/pick up hours. Access to commercial driveways must be maintained at all times. Construct driveways in halves when necessary to allow local traffic or notify residence/business 72 hours for full closures. Intersections shall remain open unless working in intersection.

The Contractor shall view the site 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.

SECTION 105.12 COOPERATION BY THE CONTRACTOR

The Contractor shall use care around all existing trees, planter walls, plantings, fences, walls, buildings, canopies, decorative cornices, utility vaults, utilities, light fixtures, streetlights, traffic signals, and any other items or special features that are to remain. Any items not specifically called out for removal are to remain. Damage to these items during construction, including any concrete residue, shall be repaired, remedied, or replaced at the Contractor's expense. No trees 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.

It is also expected that by the time the City Contractor starts construction phase two (2) of the improvements covered under this contract, Madison Metro School District will be performing renovations at the Sennett Middle School at Pflaum Road.

Archaeology

There is a chance of finding archaeological materials during the ground disturbing portions of this project due to the proximity of known cultural sites. If any human remains, archaeological materials, or unusual soils are encountered during this project, all ground disturbing construction activities must cease. The Wisconsin Historical Society (WHS)/ State Historic Preservation Office (SHPO) must be contacted immediately:

WHS/SHPO Compliance Office (608) 264-6500 compliance@wisconsinhistory.org
Felipe Avila (608) 264-6013 felipe.avila@wisconsinhistory.org

NOTE: Any place where human remains are buried are considered burial sites, subject to the State's Burial Site Preservation law, Wis. Stat. § 157.70. Burial Sites are protected under this law. The Contractor shall be responsible for compliance with the requirements of this Statute should human remains be discovered, and solely liable for the payments of penalties or fines imposed by any state or local agency, and for any violation of any state, or local law or regulation arising as a result of the Contractor's performance. The Contractor, or their agent, shall be fully conversant with Wis. Stat. § 157.70 and shall be expected to act in full conformance with that statute.

SECTION 107.17 UTILITY COORDINATION

The Contractor shall coordinate with all necessary private utility companies to have utility structures (manholes, handholes, valves, etc.) adjusted as necessary. Details of anticipated utility structure adjustments are shown in the plans on the O-sheets. The Contractor shall provide a minimum 14-day notice to utility companies prior to needing the structure adjustment work completed and/or any relocation work needed. The Contractor shall also provide space for utility companies or their subcontractor to work to resolve conflicts in the field.

It is expected that by the time the City Contractor starts construction phase one (1) of the improvements covered under this contract, a contractor hired by AT&T and MG&E will be performing underground utility work along Pflaum Road under a permit.

MG&E:

MG&E has electrical and gas facilities within the project limits at Pflaum Road. Adjustments of several structures are anticipated as well as some relocations (during construction) due to the proposed street reconstruction.

Contractor shall contact one of the following MG&E contacts prior to needing adjustment.

Contacts for MG&E:

Road Projects Project Manager: Matt Colvin (matt.colvin@mge.com or 872-223-2637)
Electric: Mark Bohm (mbohmm@mge.com)
Gas: Roger Ahles (rahles@mge.com)

Contacts for Intercon:

Construction Supervisor: Chris Quam (cquam@intercon-const.com or 608-850-4827)
Design Services Manager: Kurt Adler (kadler@intercon-const.com or 608-220-4829)

AT&T:

AT&T has underground fiber duct packages within the project limits at Pflaum Road. Several manhole adjustments are anticipated as well as some relocations (during construction) due to the proposed street reconstruction.

Contacts for AT&T:

Garrett Barth (gb1789@att.com or 920-957-0327)

David Lewandowski (dl2192@att.com or 414-514-6764)

Madison Metro School District (MMSD):

MMSD has two schools abutting the construction project and coordination will need to be made with the schools during the construction project to keep them apprised of the work

Contacts for MMSD:

Scott A Chehak (sachehak@madison.k12.wi.us)

Mike S MacDonald (mmacdonald@madison.k12.wi.us)

Chad W Worrall (cwworrall@madison.k12.wi.us or 608-204-4012)

BID ITEM 10750 – RESET MONUMENT

This contract includes the hand excavation around the existing monument, salvage of the existing monument, and excavation (minimum six (6) inch diameter hole for setting the new monument, backfilling the monument. The Contractor shall contact City Surveyor, (267-1971), forty-eight (48) hours prior to excavation. The City Surveyor will set ties based on the existing monument location and coordinate the placement of the new monument. The City of Madison shall supply the new monument and new casting.

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.

Phase 1:

Pflaum Road may be closed to eastbound traffic from Kvamme Lane to South Stoughton Service Road for utility installation, and street construction. Westbound traffic shall be maintained at all times. Access to commercial driveways must be maintained at all times. Construct driveways in halves when necessary to allow local traffic or notify residence/business 72 hours for full closures. Intersections shall remain open unless working in the intersection. Provided Traffic Control plans reflect just the initial stage of this phase. The Contractor shall provide an updated Traffic Control Plan for any additional stages within this phase as necessary to complete the work and fulfill the general requirements of these specifications.

Phase 2:

Pflaum Road may be closed to eastbound traffic from Admiral Drive to Kvamme Lane for utility installation and street construction. Westbound traffic shall be maintained at all times. Parking lane adjacent school shall be maintained during school drop off/pick up hours. Access to commercial driveways must be maintained at all times. Construct driveways in halves when necessary to allow local traffic or notify

residence/business 72 hours for full closures. Intersections shall remain open unless working in the intersection. Provided Traffic Control plans reflect just the initial stage of this phase. The Contractor shall provide an updated Traffic Control Plan for any additional stages within this phase as necessary to complete the work and fulfill the general requirements of these specifications.

Message Boards:

Message boards shall be placed ten (10) days prior to closure. Place total six (6) message boards throughout project area, two (2) boards on Monona Drive, one for each direction of travel. Place two (2) boards on South Stoughton Road in median near turn bays. Place two (2) boards on Pflaum Road, one on each end for both directions of travel.

Message boards shall read:

"EASTBND
PFLAUM
CLOSED"

"XX/XX"

To

"XX/XX"

Madison Metro shall be notified ten (10) days in advance for bus reroute. Madison Metro can be notified by emailing metronotice@cityofmadison.com. This allows adequate notice for Metro to reroute bus routes and move stops when necessary.

Traffic Control shall be measured as a lump sum. 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. Temporary pavement markings, tubular posts and bases and electronic message boards shall be paid for as separate bid items. Traffic control to install temporary or permanent pavement markings shall be included in the Traffic Control Lump Sum Bid Item.

The Contractor shall supply all necessary mounting hardware and supports for signing. This shall also include covering and uncovering any conflicting overhead signs during the project. The Contractor shall display all signing so as to be easily viewed by all users. The Contractor shall mount traffic control on posts or existing poles or drive posts whenever possible. The Contractor shall inspect traffic control daily to ensure all traffic control remains in place during the project.

The traffic control plan may need to be altered as conditions change in the field or as unexpected conditions occur. This shall include relocating existing traffic control or providing additional traffic control. This should be considered incidental to providing traffic control for the project.

Type A warning lights shall be installed on all barricades used in the project per State of Wisconsin S.D.D. 15C2-4B. Contractor shall also place Type C warning lights on any barrels used to taper traffic or lane closures.

All temporary inlet or structure plating for traffic control phasing shall be considered incidental to the traffic control bid item.

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.

Maintain sidewalk at all times on one side of the street at all times and both sides whenever possible. When sidewalk must be closed for construction purposes, contractor shall ensure that sidewalk on opposite side of the street is open. Sidewalk closures shall be signed at the crosswalks prior to the

closure. Sidewalk access to all businesses shall remain open from at least one end of a block at all times. Sidewalks shall be fully open during non-working hours except where necessary to enable sidewalks to cure. As work under this contract is intended to be completed in multiple phases and stages, sidewalks on one side of the street are intended to remain unimpacted while work is taking place on the opposite side. Maintaining sidewalk is considered incidental to the contract, and any temporary sidewalk materials necessary to meet the selected means and methods of the contractor will not be paid.

Construction equipment and materials are not to be stored within the street right-of-way that is open to traffic during non-working hours.

Backfill, plate, or protect work areas with traffic control devices during non-working hours. If steel plates are used, notify the City of Madison Streets Division, 608-266-4681, one day prior to the placement of the plates.

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 Scott Briggs with the City of Madison Parking Utility (608-267-8750) 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

The Contractor shall not remove traffic signs. For removal or replacement of traffic and parking signs, contact the traffic engineer on the project, Ali Heinritz, 215 Martin Luther King Jr. Blvd, Suite 109, 267-1102, 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 traffic engineer 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 Ali Heinritz, City of Madison Traffic Engineering, at 608-267-1102 or aheinritz@cityofmadison.com for questions on this spec.

The Contractor shall maintain pedestrian access to all properties within the project limits and shall maintain vehicle access to all commercial driveways within the project limits at all times. All means necessary to maintain this access shall be considered incidental which may include but is not limited to high early strength concrete and temporary plating.

BID ITEM 10712 – TEMPORARY PEDESTRIAN BARRICADE (UNDISTRIBUTED)

This contract includes 100 linear feet of undistributed Temporary Pedestrian Barricade to be used at the direction of the Construction Engineer.

BID ITEM 10713 – TEMPORARY CROSSWALK ACCESS

The contract quantities are undistributed to be used at the direction of the Construction Engineer for heavily used student crossings to and from school, such as Alder Road, Groveland Terrace, and Maher Avenue. This item is to be used to provide ADA compliant ramps and crossing surface within the street limits, as required.

BID ITEM 10714 – TEMPORARY SIDEWALK ACCESS

DESCRIPTION

This item shall be utilized at the direction of the Construction Engineer in order to maintain on ADA compliant sidewalk to access temporary crosswalk areas. Thicknesses and material types shall be consistent with the Standard Specifications.

METHOD OF MEASUREMENT

This item shall be measured by the Square Foot, acceptably installed, maintained, and removed.

BID ITEM 10770 – MAINTAIN RESIDENTIAL DRIVEWAY ACCESS

This contract includes an undistributed amount to be used at the direction of the Construction Engineer.

BID ITEM 10801 – ROOT CUTTING – CURB AND GUTTER

This contract includes 100 linear feet of undistributed Root Cutting – Curb and Gutter to be used at the direction of the Construction Engineer. See plans for locations of no root cutting.

BID ITEM 10802 – ROOT CUTTING – SIDEWALK

This contract includes 100 linear feet of undistributed Root Cutting – Sidewalk to be used at the direction of the Construction Engineer. See plans for locations of no root cutting.

SECTION 108.2 PERMITS

The City of Madison will obtain a City of Madison Erosion Control Permit and will submit a DNR WRAPP Water Resources Application for Project Permit (formerly known as Notice of Intent (NOI)) to obtain coverage under a Construction Site General permit for this project.

The Contractor shall meet the conditions of the permit 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, shall be paid for as Extra Work. A copy of the permit is available at the City of Madison, Engineering Division office.

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 this permit is not intended to be exhaustive of all permits that may be required to be obtained by the Contractor for construction of this project. It shall be the responsibility of the Contractor to identify and obtain any other permits needed for construction.

Additionally, the City of Madison will submit a DNR Sanitary Sewer Submittal for this project.

BID ITEM 10911 – MOBILIZATION

This item shall be paid in accordance with 109.14 of the Standard Specifications for work in 2026 and 2027. Remobilization for work in 2027 will not be paid separately or as an additional mobilization.

SECTION 109.2 PROSECUTION OF THE WORK

The earliest work may begin on this contract is July 13, 2026, to allow the 2025-26 MMSD school year to be completed (June 10, 2026) and MG&E gas to get ahead of the street construction project. MG&E gas plans on beginning construction on June 1, 2026 on the east end of the project. All work under this contract shall be completed on or before August 31, 2027. The Contractor shall notify the Engineer of their anticipated start date a minimum of 3 weeks prior to that date for both phase 1 and phase 2 projects.

All work, except surface pavement, shall be completed on **Phase 1** on or before November 20, 2026.

All work for both Phase 1 and Phase 2 shall be completed on or before **August 31, 2027**.

Work shall begin only after the start work letter is received and after the contract is fully executed and all permits are received. If the Contractor wishes to start work prior to this date, the Contractor shall notify the City Engineer in writing a minimum of three (3) weeks in advance of the preferred start date to determine if it is acceptable.

SECTION 109.9 LIQUIDATED DAMAGES

The fixed, agreed, and liquidated damages due the City of Madison from the Contractor for failure to complete work required in Phase 1 before the specified date shall be \$1,000 per calendar day, up to a maximum of 21 Calendar Days. Should work need to be suspended due to winter conditions, any temporary work required to restore safe access and operations on the street and sidewalks for the winter, beyond what is already identified in the plans and specifications, will be at the Contractor's expense.

If the Contractor fails to complete all work by the final specified completion date, Liquidated Damages will be enforced in accordance with Section 109.9 of the Standard Specification.

BID ITEM 20223 – PLANTING MIX TOPSOIL

This item shall be used only as the backfill material at sites with Terrace Support Systems. Installation of this material shall be performed as described in City of Madison Standard Specifications for Public Works Construction Latest Edition Section 214.3.

BID ITEM 20322 – REMOVE CONCRETE CURB & GUTTER

Work under this item also includes the removal and disposal of any curb scuppers in or adjacent to curb called out on the plans to be removed. The payment of this work is considered incidental to curb removal.

BID ITEM 20323 – REMOVE CONCRETE SIDEWALK & DRIVE

In addition to removal of concrete sidewalk and drive, this item also includes removal of concrete terraces and concrete median noses. All concrete removal in the terrace shall be removed and not replaced unless plans specify otherwise. Work under this item also includes the removal of any sidewalk drains or flumes. The payment of this work is considered incidental to sidewalk & drive removal.

BID ITEM 20336 – PIPE PLUG

With regards to the City of Madison Standard Specifications for Public Works Construction Latest Edition Article 203.2(c), any pipe found in a trench that is less than 10" in diameter while installing a sewer facility shall be considered incidental to the pipe being installed.

Any pipe plugs required to abandon or remove sewer access structure (pipes directly connected to the structure) shall be considered incidental to abandoning or removing the structure regardless of the size of the pipe being abandoned.

SECTION 210.1(d) STREET SWEEPING

When required, either by 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 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.

BID ITEM 20141 – GEOSYNTHETIC REINFORCEMENT FABRIC (UNDISTRIBUTED)

The contract quantity is an undistributed amount to be used at the direction of the Construction Engineer.

BID ITEM 21302 – CONSTRUCTION FENCE – PLASTIC (UNDISTRIBUTED)

This contract includes 800 linear feet of undistributed Construction Fence (plastic) to be used at the direction of the Construction Engineer.

BID ITEM 21401 – TERRACE SUPPORT SYSTEMS

Work under this item shall be in accordance with Article 214 of the Standard Specifications, Standard Detail Drawing 2.16, and the detail provided in the plans. Additionally, each terrace support system shall have a waterproof barrier installed around the entire system. Payment of the waterproof barrier is considered incidental to the installation of the terrace support system. Barrier shall be GreenBlue Urban RootStop in 2mm thickness to 4'11" depth, or approved equal, and installed per manufacturer requirements.

BID ITEM 30209 – SPECIAL WATERWAY

The work under this item shall consist of constructing Special Waterway in accordance with Standard Detail Drawing 3.01.

BID ITEM 40231 – ASPHALT DRIVE & TERRACE (UNDISTRIBUTED)

The contract quantity includes an undistributed amount to be used at the direction of the Construction Engineer. This item shall also be used where an existing asphalt driveway has been removed, between the back of sidewalk and property line.

ARTICLE 500 SEWER AND SEWER STRUCTURES GENERAL

The sewer designer for the project is Erin Geter (egeter@cityofmadison.com or 608-266-4058).

SANITARY SEWER GENERAL

This project shall include installing approximately 3187 feet of new 8" PVC SDR-26 sanitary sewer main and approximately 842 feet of new sanitary sewer lateral pipe. ASTM D3034 SDR-35 and SDR-26 8" sewer main as called for on the plan set shall be payable under 8" PVC Sanitary Sewer Pipe (Bid Item 50301). No additional compensation will be granted for ASTM D3034 SDR-26 pipe material.

All new sanitary sewer access structures shall include Neenah R-1550 castings with the new City of Madison casting detail (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 existing main connections shall be field cored to accommodate existing conditions and shall be compensated under BID ITEM 50791 SANITARY SEWER TAP. 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. All benches and flowlines shall have a smooth trowel finish.

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.

All sanitary sewer laterals on this project were located by television inspection of the main and from City records.

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.

STORM SEWER GENERAL

Storm sewer pipe work shall include installing approximately 973 feet of new Type 1 (RCP) storm sewer main, with sizes ranging from 12" to 24" circular diameter.

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.

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

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.

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 50390 – SEWER ELECTRONIC MARKERS

With regards to the City of Madison Standard Specifications for Public Works Construction Latest Edition Section 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 that only include the installation of a wye, a marker ball shall be installed directly above the wye connection to the main.

For sanitary laterals connected directly into a sewer access structure, a marker ball shall be installed at the property line. This applies for both active laterals and lateral stubs installed for future sewer connections.

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 by either a trench excavation or by a pothole technique. The Contractor shall not be compensated more than once for multiple utilities located within a maximum distance of five (5) feet long.

GENERAL PROVISIONS FOR CITY CONDUIT INSTALLATION

Supplement standard spec 652 as follows:

Use Schedule 80 conduit under all traffic areas.

Install all conduit at a minimum depth of 30 inches, unless otherwise approved by the engineer. Solvent weld all joints. Mark the location of each conduit, where conduit crosses traffic areas, by a permanent chiseled arrow or other appropriate permanent stamp on top of the curb head.

Install and connect all conduit to the concrete bases, manholes, handholes, existing conduit, or conduit elbows so as to provide a continuous network, unless otherwise indicated on the plan. All connections shall be watertight. Do not install drainage holes in conduit. Uncover the ends or mid-sections of all existing conduit that is being extended by or incorporated into this project work.

When connections are to be made to an existing conduit, first verify that the existing conduit is fully clear and useable for its entire cross-section and length. When the existing conduit is found to be defective, notify the engineer and do not proceed until the engineer so directs. If the contractor connects to an existing defective conduit without the express direction from the engineer, make any and all necessary repairs and replacements to all conduits, including conduit that was "existing" prior to the contractor starting work and to the satisfaction of the engineer. All costs of this work shall be at the expense of the contractor.

Where conduits terminate in a non-paved location and not in a structure, securely attach a PVC cap at the end at conduit depth of 30". Where conduit runs parallel to curb and gutter, place the conduit within 12 inches of the back of the curb, except as directed by the engineer. The engineer will determine termination points not within pull boxes or concrete bases.

Unless the contract provides for installation of cable, cap the ends of each run of conduit with standard conduit caps or otherwise appropriately plug the ends to preclude infiltration of water and soil. Install a pull wire in each conduit, except those with only streetlight wire. A pull wire shall be approximately 4 feet longer than the conduit run, and shall be doubled back for at least 2 feet at each terminal. The pull wire shall be #10 AWG copper, stranded, with THHN insulation and green color coding. Install the pull wire within seven days of completing a conduit installation from structure-to-structure. Use a 6-inch minimum sand padding below the conduit and a 6-inch minimum sand lift above the conduit. Do not backfill trench with any rocks larger than 4 inches in diameter or any foreign debris.

GENERAL PROVISIONS FOR CITY TRAFFIC SIGNALS

Perform all work on the lighting and conduit/pull box system in accordance to the Wisconsin Electrical Code, the applicable provisions of the standard specifications, and these special provisions and plans.

The City of Madison will remove existing traffic signals and "signal only" poles when the temporary signals are in place at each intersection. Contact Chad Veinot at the City of Madison Traffic Engineering Shop, (608) 266-9031, to coordinate removal of existing signals and installation of new signals.

Remove existing streetlight poles identified for removal, including those that also have traffic signal equipment on them.

Each pedestrian push button installation shall include "Push Button for Walk Signal" signs. Single direction arrow signing shall also be used with all buttons except two direction arrow signing is needed for single buttons on median poles.

If existing conduits, handholes and bases designated as "save" cannot be saved, contact Jerry Schippa, (608) 267-1969, for further direction.

All new electric services shall be metered power, 100 amperes, 120 volt.

A minimum of 6 feet separation shall be maintained between any adjacent loop detectors.

GENERAL PROVISIONS FOR CITY ELECTRIC SYSTEMS

General Requirements

Perform this work in accordance to the Wisconsin Electrical Code, National Electrical Contractor's Association (NECA) electrical construction practices, OSHA and the standard specifications.

Perform all work on the lighting and conduit/pull box system in accordance to the Wisconsin Electrical Code, and applicable provisions of standard spec 659, and these special provisions and plans.

Carefully remove and salvage the steel frames and covers from all pull boxes and manholes to be removed or abandoned, and all street light poles, arms, transformer bases, fixtures, concrete handholes,

and associated equipment. Material designated by the City to be saved shall be returned to City Traffic Engineering, 1120 Sayle St., Madison.

Complete electrical work by a journey-worker electrician or be completed by an electrical apprentice under the supervision of a journey-worker electrician. Legal status or standing as a journey-worker and apprentice electricians shall be certified or otherwise documented to the engineer before beginning any electrical work. Electrical work is hereby defined as electrical and related construction required to be performed under the contract by the contractor, in accordance to the standard specifications, contract provisions, standard detail drawings and plan details applicable to electrical construction.

At the pre-construction conference, supply the engineer with a list of names and qualifications of journey-workers and/or electrical apprentices who will or may be working on this contract.

Proof of qualification to do electrical journey-worker level work shall be the "Completion of Apprenticeship" certification card issued by an approved state agency, or a resume showing sufficient electrical education and a minimum of 14,000 hours of varied electrical work experience. All apprentices shall be indentured by an approved state agency.

The contractor is hereby advised that electrical apprentices must work under the terms of their indentures, which require an apprentice be under the direct supervision of a journey-worker with the exception of an apprentice in the final year as an apprentice. Any violation, or suspected violation, of these terms will be reported to the Bureau of Apprenticeship Standards.

On completion of the work, test the installation and ensure that it is entirely free of grounds and short circuits. This contract contemplates and intends a complete and operating installation of electrical work. Everything in the form of labor or material necessary for this result is in the intent of the contract.

It must be understood that electrical drawings and details are diagrammatic; they are not intended to be shop drawings. It is expected it may be necessary to move conduit, and/or equipment in some cases, to get a coordinated installation. Such changes are considered part of the contract obligation, without cost to the owner. Do not locate any equipment where its usefulness and/or operation may be affected by the work of other trades, door swing, counter, equipment, etc.

The contractor acknowledges his acquaintance with the plans and specifications and their respective requirements, and shall guarantee the electrical system has been installed strictly in accordance to the electrical plans and specifications, using only the best of materials available and installed in a substantial manner by experienced labor. The contractor agrees to replace and/or repair items failing from causes of faulty workmanship, material or design, without extra cost, at any time within one year from the date of final acceptance.

Furnish the City of Madison with service manuals for all items furnished under this contract. Service manuals shall be complete with drawings, diagrams, operation and installation instructions, and parts lists.

New streetlight wire in conduits shall consist of (3) #4 and (1)#8 green wire. The color coding for the #4 wire shall be one black, one red, and one white.

Ground wires shall have green insulation or be marked with green tape at all junction or pull boxes and at all terminations. Equipment and enclosures shall be grounded, ground connection surfaces shall be cleaned, and connections shall be made so it is impossible to move them.

All maintenance of existing street light facilities within the project limits, and street lights outside the project limit but serviced by electrical services within the project limit shall be the contractor's responsibility. Maintain the new street lights until project work is accepted. This work shall be considered incidental to installation of street light units, temporary lighting, structures and ducts, and no separate compensation will be paid.

Extend existing lighting circuits to feed the new and relocated lights as part of this project. Verify the existing loads of each lighting circuit before adding additional load to a lighting circuit. Loading on any circuit shall not exceed NEC requirements.

Submit one copy of as-built plans, including cable and conduit routing diagrams, wiring of fixtures and other pertinent details, to the engineer and the City of Madison.

Furnish equipment and appliances necessary to test the complete installation of electrical conductors. Test and demonstrate to the satisfaction of the engineer that the circuits are properly connected, continuous and free from short circuits and unspecified grounds, that the circuits are connected in accordance to the manufacturer's wiring layout, and that each circuit is operational. The lighting system shall not be deemed complete until the electrical work has been completed and the electrical systems are found to be in proper working order, including operation for ten consecutive nights without failure.

Materials

All materials furnished by the contractor for lighting installation under this contract are subject to approval by the engineer.

Manufacturers shall be responsible for providing materials listed by UL or other approved agencies and all governing codes and ordinances. Materials must bear a UL and/or other approved labels, where possible. Items specified by catalog number of brand name and shop drawing approval will not relieve the manufacturer of this responsibility. All electrical material for which a standard has been established by the Underwriters Laboratories, Inc. shall be furnished and installed under this contract. Material shall have the UL label firmly attached and be listed by UL Listing signifies that the material has passed the established standard testing. All electrical materials shall conform to the latest requirements of the Wisconsin Electrical Code.

All materials, not specified herein, used in the work shall conform to the requirements specified on the plan or the contract special provisions.

Furnish and install incidental items, such as wire nuts, grommets, tape, connectors, and electrical varnish that are obviously necessary to make the proposed system complete from the source of supply to the most remote unit.

Touch up marks and scratches on painted equipment with two coats of synthetic resin enamel or as directed by the engineer. Furnish a complete list and cut sheets/shop drawings of materials to be furnished and used for lighting. Include the names and addresses of manufacturers, together with catalog numbers, certificates of compliance, specifications, and other product information requested by the engineer. Submit the list and cut sheets/shop drawings within 20 calendar days of the award of the contract. Do not incorporate any materials into the lighting system prior to obtaining the written approval of the engineer. Approval does not change the intent of the specifications. Do not substitute any materials. The contractor is allowed up to two submittals of material for approval. If more than two submittals are required, the contractor will be charged on a time-and-material basis for additional review time with payment made before submittals will be reviewed.

Splices

Splices shall comply with standard spec 659.3.2. All splices within a junction box, handhole, etc. shall be of the same type. No splices are allowed in underground pull boxes, except for grounding conductors.

Circuit Identification

Accomplish color coding by using cable jackets of the proper color. Code all tails of all splices. Color-code secondary distribution circuits as shown on the plans; the ground conductor shall be green. Each accessible location of underground cable in junction boxes, pull boxes and pole bases shall have a permanent white nylon tag with black lettering, attached in a "flag" manner using a nylon tie, identifying the cabinet and conductor circuit number.

Branch Circuit Tagouts

The contractor may at his option work on live circuits or he may disconnect and tag out circuits. Any branch circuit not disconnected and tagged out shall be considered live; restrict work force to those qualified to work on live circuits. Disconnection may be made by disconnecting branches at the overcurrent device. Make tagouts with contractor furnished manufactured electrical warning tags and endorse with the name of the contractor, the date, and the project. Clear all tagouts by the end of the workday.

Threaded Fasteners

Liberalily coat all threaded fasteners, i.e., screws, and bolts with an approved anti-seize compound. Excepting fasteners inside control cabinets, fasteners up to 1/2-inch in diameter shall be stainless steel. Provide rust, corrosion and anti-seize protection at threaded assemblies by coating the mating surfaces with Markal (Hightemp E-Z Break), Never-Seez (marine grade), LPS 100, Lubriplate or approved equal.

Bonding Wire

Install bonding wire in conduits for equipment grounding. Ground all equipment as required.

Initial Failures

The contractor and the engineer shall agree on a time for test burning of completed installations, which is generally toward the end of the contract period. Replace failed lamps, along with any other non-functioning component, for no additional compensation. Only one test burn for the purpose of identifying initial failures will be required. Coordinate supply of replacement lamps with the city.

Project Construction Staging

The construction of the new lighting system shall maintain the integrity of the existing lighting systems within and beyond the project limits at all times. Exceptions to this shall only be granted for just cause by the inspector.

Items of the Same Classification

All items of the same classification shall be of the same manufacturer and series.

Underground Installation

Ensure that the engineer has inspected all underground conduit and concrete base forms before backfilling any trench or pouring concrete. Any work completed without such inspection is subject to rejection as unacceptable work and shall be immediately removed and acceptably replaced or otherwise satisfactorily corrected by and at the expense of the contractor. It is the contractor's responsibility to arrange for inspections. There will not be any additional compensation to the contractor for delays and inconvenience associated with arranging and waiting for inspections.

SECTION 701 PROVISIONS FOR WATER INSTALLATION AND ABANDONMENT

The water designer for this project is:

- Nathan Mendez
608.266.4467
nmendez@madisonwater.org

This project consists of water main improvements on Pflaum Road, from Monona Drive to South Stoughton Road, Admiral Drive, Alder Road, Groveland Terrace, Kvamme Lane, Spaanem Ave & Herro Lane, Joylynne Drive & Turner Ave, Maher Ave, Camden Road, and Service Lane. Once the new systems have passed testing, reconnect the existing water service laterals to the new water mains.

The existing water main infrastructure in this area consists of 8-inch, and 6-inch sand cast iron pipe from the 1950's. A general outline of the work is as follows:

- Furnish and install new 12-inch, 8-inch, and 6-inch ductile iron water main and fittings as shown on the plans.
- Reconnect existing services as shown on the plans.
- Abandon the existing water main with a series of "cut-in" and "cut-off" points as shown on the plans.

- Abandon valve boxes and valve structures on abandoned water main and curb boxes on any abandoned services.
- Adjust valve boxes, hydrants, and curb boxes to appropriate grades.
- Test and flush the new water main.

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

SECTION 703 CONSTRUCTION METHODS

Perform all work in accordance with these provisions and the City of Madison Standard Specifications for Public Works Construction, 2026 Edition. Keep all valves accessible and functioning throughout the duration of the work or as directed otherwise by the Water Utility representative.

SECTION 703.8 WATER MAIN SHUTOFFS

The Contractor shall contact affected business owners and/or managers prior to planning water service outages and shall schedule outages to accommodate business needs within allowable working hours, including scheduling service outages on weekends when required.

For the water main cut-in connection at WN32, as shown on the Plans, the Contractor shall coordinate the shutdown with the Engineer. This shutdown serves a sensitive customer (Underdog Pet Rescue) and shall be scheduled during afternoon hours unless otherwise approved by the Engineer.

The Contractor shall adjust their construction schedule as necessary to accommodate these requirements. If required to minimize impacts, the Contractor shall perform the work on Saturdays at no additional cost to the City.

Water main operations shall be sequenced to minimize the duration and number of outages to affected business owners and residents.

No additional compensation or contract time extensions will be granted for compliance with these requirements.

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.
- WN20+ See Water Impact Plan for connection point isolation and water shut-off notification information.

BID ITEM 90001 – TEMPORARY ASPHALT PAVEMENT

DESCRIPTION

This item includes all work, materials, equipment, hauling, and incidentals necessary to place temporary asphalt pavement where required to maintain traffic operations in accordance with these special provisions, as directed by the Construction Engineer. This item shall only be used in locations where it is necessary to maintain on-street vehicle and bicycle traffic and as a transition between phases of the project. Pavement required to maintain crosswalks is included under the appropriate item.

The Contractor shall place temporary pavement to provide a safe, rideable, and maintainable surface. The pavement structure for the temporary asphalt pavement shall be a minimum of 3 inches of HMA on 6 inches of Gradation 2 Base Course (paid under the appropriate item). The pavement type shall match the specified pavement type for the binder layer of asphalt pavement, and all work shall be completed in accordance with Part IV of the Standard Specifications.

This item also includes removal of all temporary pavement. Removal of base course and grading shall be considered incidental to the Excavation Cut bid item.

METHOD OF MEASUREMENT

Temporary Asphalt Pavement will be measured by the Square Yard, acceptably installed.

BASIS OF PAYMENT

Temporary Asphalt Pavement shall be measured as described above, which shall be full compensation for all work, materials, equipment and incidentals necessary to complete the work as set forth in the description.

BID ITEM 90002 – MODIFIED 4-INCH TYPE “A” CONCRETE CURB & GUTTER

DESCRIPTION

This item includes all materials, equipment, labor, forming, sealing, finishing and incidentals necessary to construct Modified 4” Type ‘A’ Concrete Curb and Gutter as shown on the plans. All work shall be performed per Part III of the City of Madison Standard Specifications.

METHOD OF MEASUREMENT

Modified 4” Type ‘A’ Concrete Curb and Gutter shall be measured by the linear foot along the face of curb installed and accepted.

BASIS OF PAYMENT

Modified 4” Type ‘A’ Concrete Curb and Gutter, as measured above, will be full compensation at the contract unit price for all materials, equipment, labor, forming, sealing, finishing and incidentals necessary to complete the work as provided in the description.

BID ITEM 90003 – PEDESTRIAN DIRECTIONAL FIELD

DESCRIPTION

This special provision is for the contractor to install Pedestrian Directional Field in locations identified on the plans or as directed by the Engineer. The contractor shall purchase and provide the Pedestrian Directional Fields. The product to be installed by the contractor is R-4984 1’ X 2’ Directional-Bar Plate, manufactured by Neenah Foundry. In the case that the City requires additional plates than originally estimated, the contractor will purchase the product and will provide the product to perform the installation.

CONSTRUCTION METHODS

The Contractor shall install the Pedestrian Directional Fields per the manufacturer instructions for the product.

MEASUREMENT

Pedestrian Directional Field will be measured by each unit acceptably installed.

BASIS OF PAYMENT

This item, measured as provided above, will be paid for at the contract unit price for all labor, tools, equipment, pick-up, delivery, and incidentals necessary to acceptably complete the product installation.

BID ITEM 90004 – RECONSTRUCT CATCH BASIN TO SAS CASTING

DESCRIPTION

Work under this item shall include removing the roof and any adjustment from an existing CATCH BASIN, lowering the walls up to 12 inches, constructing a new roof, to accommodate two (2) standard R-1550-0054 City of Madison SAS castings (included as part of this item), and installation of the new castings to the proposed grade. The new roof shall be constructed to be in compliance with the roof detail for sewer access structures in the Standard Specifications for Public Works Construction. This item includes all materials, incidentals, and labor required to complete the work. This item includes disposal of the existing casting and provision of a new sewer access structure casting.

METHOD OF MEASUREMENT

Reconstruct CATCH BASIN shall be measured as each structure reconstruction is complete.

BASIS OF PAYMENT

Reconstruct CATCH BASIN shall be measured as above and paid at the contract price which shall be full compensation for all work, materials, and incidentals to complete the work as outlined in the description.

BID ITEM 90005 - FURNISH & INSTALL POLE ALUMINUM 20-FT STREET LIGHT (BLACK)

DESCRIPTION

This special provision describes furnishing and installing 20-ft black aluminum poles and accordance to section 657 of the standard specifications, the details shown on the plans, and these special provisions.

MATERIALS

It is the intent to describe in these specifications minimum functional and design requirements for aluminum light poles for the City of Madison, Wisconsin.

All poles shall conform to the City drawing (SK0101), the manufacturer's approved shop drawing, and these specifications. Exceptions to these specifications and City drawing shall be submitted to the Engineer for review prior to manufacturing.

The poles shall be round aluminum shafts with a base welded to the lower end of each. A cast base in lieu of the flat plate base shown on the drawing is also acceptable. Base of pole shall be able to be mounted to City of Madison concrete base design LB-2.

All poles shall be designed to withstand a 90-mile-per-hour sustained wind velocity and a 117-mile-per-hour gust velocity, with two light fixtures attached.

A grounding nut or nut holder for accommodating a ½ inch 13 UNC threaded bolt or stud shall be provided on the inside of the shaft immediately opposite the center of the handhole.

After fabrication and assembly, there shall not be any sharp edges, corners or points on both the pole interior and exterior except at the base plate.

Heat treating after fabrication shall be done to restore to design alloy.

Shop drawings shall be submitted to jschippa@cityofmadison.com. No poles shall be manufactured until the City has approved the shop drawings. City review and approval of shop drawings will be done within three (3) work days of their receipt unless revisions to shop drawings are necessary as determined by the City.

Pole Coatings

The manufacturer shall confer with Jerry Schippa of City Traffic Engineering (608-267-1969) as to the specifications for a black anodized finish in order to assure the City that the City's desires are being fulfilled. The poles shall be spun using a fine (120) grit. The pole extrusion, spinning and anodizing shall provide a uniform finish appearance free from any streaking. A two-step matte black anodizing finish (AA-C22-A44-Black) shall be used or an alternate process which produces a dark black finish. A light black finish is not acceptable.

CONSTRUCTION METHODS

Set and plumb metal poles with the use of leveling nuts furnished with the anchor bolts. Level luminaires after erecting and leveling the metal standards with bracket arms. The proper leveling method may be obtained from the manufacturer's instruction manual. Torque nuts on anchor and transformer bolts to 175-200 foot pounds or as directed by the engineer. Provide rust, corrosion, and snit-seize protection at all threaded assemblies by coating and mating surfaces with Markal (hightemp – E-Z Break), Never-Seez (Marine Grade), LPS 100, Lubriplate, or approved equal.

Attach the stranded copper ground wire that is installed as a part of the base construction with an approved connector (Fargo GC 202 or approved equal) to a ground nut locate inside the pole opposite the handhole.

When transformer bases are not installed, trowel grout between the pole and concrete base and finished at an angle from the edge of the pole base to the outer edge of the foundation. Leave a ½ inch slot for drainage through the grouting on the street side at the top of the concrete base.

METHOD OF MEASUREMENT

The department will measure Pole (description) as each individual unit, acceptably completed.

BASIS OF PAYMENT

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
90006	FURNISH & INSTALL POLE ALUMINUM 20-FT STREET LIGHT	Each

BID ITEM 90006 - FURNISH & INSTALL TYPE I STREET LIGHT LUMINAIRE TYPE I

DESCRIPTION

This item number includes furnishing and installing street lighting fixture luminaires and street light arms.

MATERIALS

Material Qualifications

Provide an integral LED lighting unit. All parts not specifically mentioned, which are necessary and are regularly furnished in order to provide a complete unit, shall be furnished by the successful bidder at the bid price and shall conform in quality of material and workmanship to that usually provided by the engineering practice indicated in this specification.

Furnish luminaires of the "cutoff" type conforming to all general aspects for luminaires as specified under standard spec 659 except as modified herein. All equipment to be furnished shall be new, unused, and the latest model being produced. The LED Luminaire Types shall be as follows (or comparable model):

Type 1: USSL-PA1B-730-U-T2R-SA-BK-PR7+HSS (74 watts)

Any comparable alternatives shall be sent to Jerry Schippa jschippa@cityofmadison.com at least 10 days before bids are due for acceptance. LED Type 1 fixture shall produce at least 6,000 lumens at a color temperature of 3,000K, at no more than 111 watts on a 120v service.

Manufacturer's Warranty

The manufacturer shall warrant that goods provided for this project will conform to applicable specifications, drawings, designs, samples, descriptions and will be free from defects in material and workmanship and will be fit for the particular purpose intended by the city.

This warranty shall remain in effect for one year. The warranty period commences on the date the luminaires are installed.

Under this warranty, the manufacturer agrees to replace within a reasonable time, any part, feature or product found to be defective during the warranty period at no cost to the City of Madison.

New lighting units will not be accepted before luminaires and lamps have operated without failure for a period of at least ten consecutive nights.

CONSTRUCTION METHODS

Install LED Luminaires and Mounting Bracket (Type) in accordance to the pertinent provisions of standard spec 659 and as the manufacturer directs.

METHOD OF MEASUREMENT

The department will measure LED Luminaires and Mounting racket (Type) as each individual unit, acceptably completed.

BASIS OF PAYMENT

The department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
90007	FURNISH & INSTALL STREETLIGHT LUMINAIRE TYPE I	Each

Payment is full compensation for furnishing and installing all materials, including all luminaires, and mounting equipment.

BID ITEM 90007 - FURNISH & INSTALL STREET LIGHTING CABINET

DESCRIPTION

This special provision describes furnishing and installing a lighting control cabinet with all electrical components and wiring assembled.

MATERIALS

Contactors

Furnish 8-pole, 30-amp, 600-V electrically held contactors with 120-V control coil in NEMA 1 enclosure as required for the proposed circuits. Engrave "ALL NIGHT" or "MIDNIGHT" identification on cover of respective enclosures.

Photocell

Furnish a button type photocell and install as shown on the detail. Apply silicone caulk to maintain the watertight integrity of the enclosure. The photocell shall be rated for 120V, 1500W with 30-60 second delay between "on-off" operations.

Panel

Furnish a 120/240-volt, 100A main circuit breaker, single-phase, 20-circuit panel board in a NEMA 1 enclosure. Provide copper ground and split neutral bus bars in addition to copper bus bars. Provide bolt-on, thermal-magnetic circuit breakers that clearly indicate ON, OFF, or TRIPPED position in the panel. Provide double pole breakers as required for all multiwire branch circuits.

Time Clock

Furnish a time clock, such as a Tork EWZ201C, or equivalent, with an 8-year lithium battery time backup, -40° F to 120° F operating range, 40-year program schedule retention, LCD type, daylight saving time, and leap year correction. Program as required by the City of Madison.

Selector Switches

Furnish "Hand-Off-Auto" switches to control each circuit separately. Provide a "Hand-Off-Auto" legend plate for each switch. Engrave "ALL NIGHT" and "MIDNIGHT" above each appropriate operator. Mount the switches in a horizontal manner in a NEMA 1 enclosure.

Cabinet Enclosure

Provide a NEMA 4X enclosure made from .125-inch Type 5052-H32 aluminum. The doorframe shall be double flanged and all exterior seams shall be ground smooth. Door handle shall be 3/4-inch diameter stainless steel with three point latching system and hasp. Main door shall be sealed with a closed-cell neoprene gasket. Main door hinge shall be continuous 0.075-inch thick stainless steel with a 0.25-inch stainless steel hinge pin. Provide an aluminum-mounting panel at back (interior) of enclosure. Provide a weatherproof pad lock with 2-3/8-inch wide body, repinnable/replacable cylinder, and five keys. There shall be no louvers or Corbin main door lock. Applicable code working clearances shall be maintained between equipment mounted within the enclosure.

Surge Arrester

Furnish a surge suppressor to protect the panel board. The surge suppressor shall provide 6 modes of surge protection, meet UL1449 Second Edition with 32Ka per phase and 48KA system peak surge current, contain LED line indicators, and approximate dimensions of 4.54-inch X 2.58-inch X 0.22-inch. Connect the surge suppressor to the branch circuit breaker as indicated on the plans.

Field Wiring Termination Blocks

All connections from the field wiring to equipment in the lighting control cabinet shall be made through termination blocks. Provide quantity of channel mount, NEMA type single terminal blocks as indicated on plans that are capable of holding #12 to #10 wire with solderless box lugs, for power, neutral and grounding connections. Mount the terminal blocks on a mounting channel of appropriate length with end anchors and an end barrier. Each terminal block shall have a label indicating the appropriate circuit number, neutral ('N') or ground ('G') wire connected to block; handwritten numbers and letters are not acceptable means of identification. Make connections from the underground field wiring to the equipment in the lighting control cabinet through distribution blocks.

Incidental Materials

Secure all wiring using screw attachment type straps; adhesive type shall not be allowed.

CONSTRUCTION METHODS

Assemble the control cabinet as shown on the plans. Pretest the cabinet prior to shipment to the site. Mount all equipment to panel in enclosure. Train the cables in straight horizontal and vertical directions and be parallel next to and adjacent to other cables whenever possible. Mount the cabinet to the concrete base per the manufacturer's requirements. The work under this bid item includes connection and termination to the feeder system wiring.

METHOD OF MEASUREMENT

The department will measure Furnish & Install Street Lighting Cabinet as each individual unit, acceptably completed.

BASIS OF PAYMENT

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
90008	FURNISH & INSTALL STREET LIGHTING CABINET	Each

Payment is full compensation for furnishing and installing photo control, contactors, panel, distribution blocks, surge arrestor, enclosure, grounding, wiring and electrical components; mounting to the concrete base.



Legend

✚ Denotes Boring Location



Notes

1. Soil borings performed by America's Drilling Co. in February 2024
2. Boring locations are approximate

Scale: Reduced

Date: 2/2024	CGC, Inc.
Job No. C23051-21	

Soil Boring Location Map
Pflaum Rd
Madison, WI



LOG OF TEST BORING

Project Pflaum Road
Location 50'E of Admiral, 15'N of Centerline
Madison, WI

Boring No. 1
Surface Elevation (ft) 902±
Job No. C23051-21
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	LOI	
					4 in. Asphalt Pavement/7 in. Base Course						
1	16	M	22		Medium Dense to Very Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM; Possible Fill to 5 ft)						
2	6	M	12								
				5							
3	14	M	25								
4	14	M	32		End of Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch						
				10							
5	12	M	51								
				15							
				20							
WATER LEVEL OBSERVATIONS						GENERAL NOTES					
While Drilling ☒ NW Upon Completion of Drilling _____						Start <u>2/2/24</u> End <u>2/2/24</u>					
Time After Drilling _____						Driller <u>ADC</u> Chief <u>KD</u> Rig <u>CME-55</u>					
Depth to Water _____						Logger <u>DB</u> Editor <u>ESF</u>					
Depth to Cave in _____						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 Pflaum Road
225'E of Alder, 15'N of Centerline
Location Madison, WI

Boring No. 2
Surface Elevation (ft) 905±
Job No. C23051-21
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		qu (qa) (tsf)	W	LL	PL	LOI
					8 in. Asphalt Pavement/5 in. Base Course					
1AS		0	M	14	FILL: Medium Stiff Brown Clay with Sand and Gravel					
2		10	M	3	Medium Stiff to Stiff, Brown Lean CLAY (CL; Possible Fill)	(0.75)				
3		12	M	7		(1.75)				
4		12	M	8	Loose, Dark Brown Clayey SAND, Trace Gravel (SC; Possible Fill)					
5		8	M	21	Medium Dense to Very Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
6		5	M/W	56/8"						
					End of Boring at 15 ft					
					Backfilled with Bentonite Chips and Asphalt Patch					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ☒ NW Upon Completion of Drilling _____
Time After Drilling _____
Depth to Water _____
Depth to Cave in _____

Start 2/1/24 End 2/1/24
Driller ADC Chief KD Rig CME-55
Logger PB 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 Pflaum Road
215'E of Camden, 15'S of Centerline
 Location Madison, WI

Boring No. 3
 Surface Elevation (ft) 897±
 Job No. C23051-21
 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		qu (qa) (tsf)	W	LL	PL	LOI
					4.5 in. Asphalt Pavement/7 in. Base Course					
1		12	M	19	FILL: Medium Dense Dark Gray Silt with Sand and Gravel					
2		14	M	9	Stiff, Brown Lean CLAY (CL)	(1.5)				
3		6	M	23	Medium Dense to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
4		8	M	33						
5		5	M	50/5"	Weathered to Competent Light Brown to White Sandstone Bedrock					
					End of Boring at 15 ft					
					Backfilled with Bentonite Chips and Asphalt Patch					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ☒ NW Upon Completion of Drilling _____
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

Start 2/2/24 End 2/2/24
 Driller ADC Chief DB 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 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 _u -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_a – Penetrometer Reading, tons/sq ft
q_u – 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.

CGC, Inc.

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)			
GRAVELS More than 50% of coarse fraction larger than No. 4 sieve size	Clean Gravels (Less than 5% fines)		
		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
SANDS 50% or more of coarse fraction smaller than No. 4 sieve size	Clean Sands (Less than 5% fines)		
		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

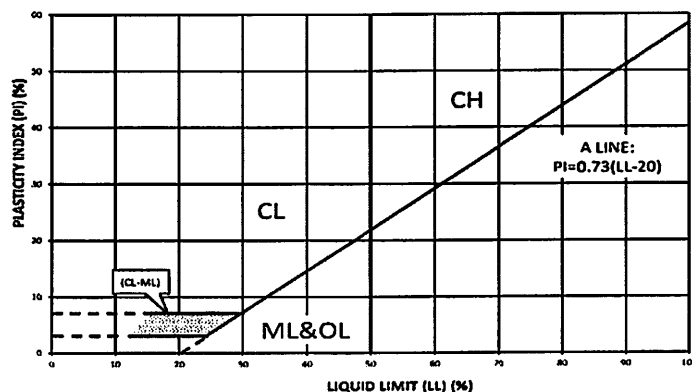
LABORATORY CLASSIFICATION CRITERIA

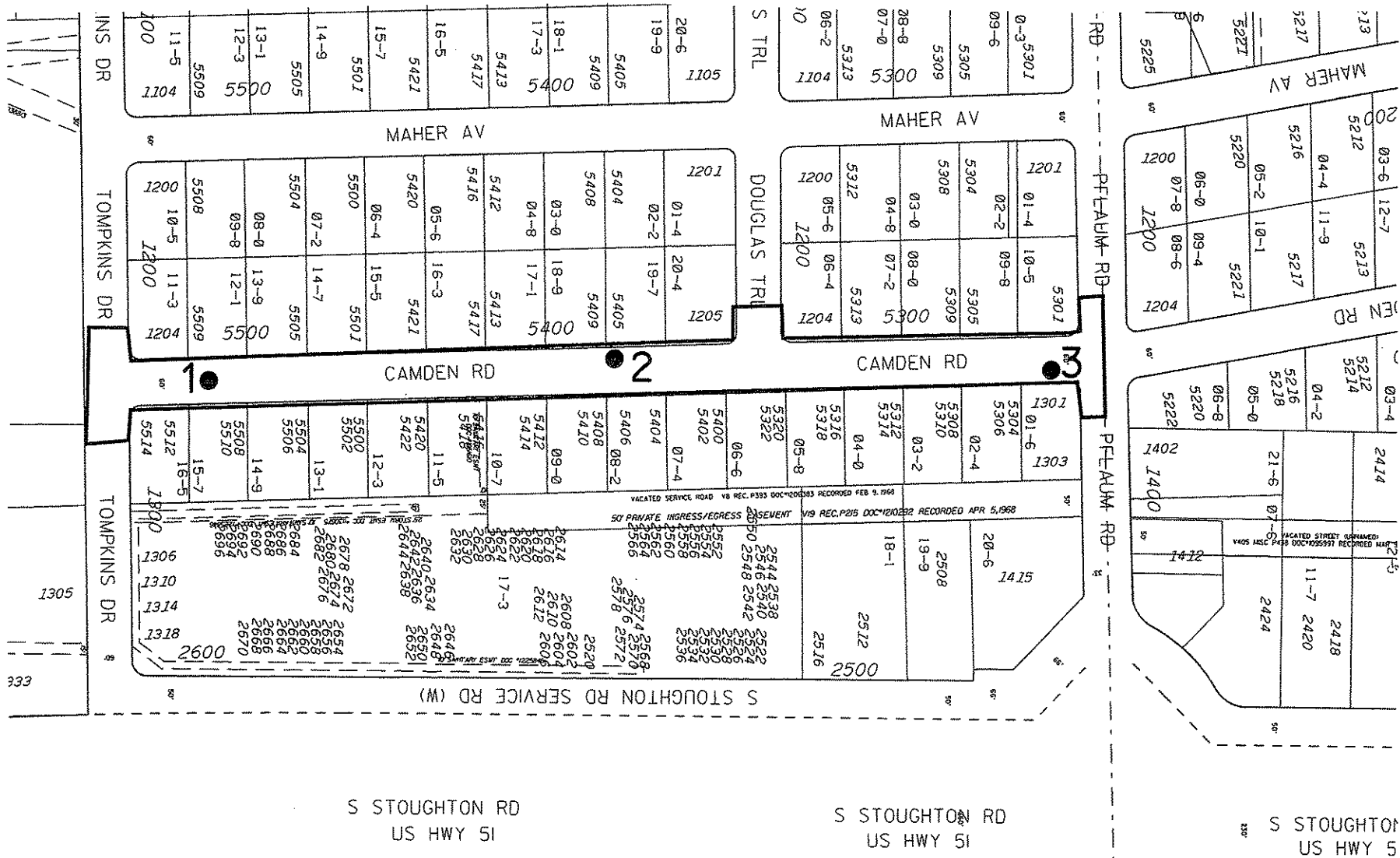
GW	$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{D_{30}}{D_{10} \times D_{60}}$ between 1 and 3	
GP	Not meeting all gradation requirements for GW	
GM	Atterberg limits below "A" line or P.I. less than 4	Above "A" line with P.I. between 4 and 7 are borderline cases requiring use of dual symbols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





Legend

- Denotes Boring Location (approximate)



Notes

- Soil borings drilled by Badger State Drilling in November 2008

SOIL BORING LOCATION MAP Camden Road Madison, Wisconsin

CGC, Inc.

DWN: - APP'D: MNS Date: 11/08 C08071-18



LOG OF TEST BORING

Project Camden Road
165' N of Tompkins, 3' E of Centerline
 Location Madison, WI

Boring No. 1
 Surface Elev. (ft) _____
 Job No. C08071-18
 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	PTD
					3.5 in. Asphalt Pavement/6.5 in. Base Course					
1	10	M	14		Hard, Gray Lean CLAY (CL)	(4.5+)				
					Very Stiff, Brown Lean CLAY (CL)	(3.0)				
2	18	M	11							
						(3.5)				
3	4	M	15		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel (SM)					
4	12	M	29		Medium Dense, Light Brown Fine to Coarse SAND, Some Gravel, Trace Silt (SP)					
					Medium Dense, White and Yellow/Brown Fine SAND, Some Gravel, Trace Silt (SP) (Weathered Sandstone Bedrock)					
5	18	M	28							
					End Boring at 15 ft					
					Borehole backfilled with bentonite chips					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ∇ NW Upon Completion of Drilling NW
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

Start 11/19/08 End 11/19/08
 Driller Badger Chief RR Rig D-120
 Logger GFP Editor ESF
 Drill Method 2 1/4 in. HSA

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



LOG OF TEST BORING

Project Camden Road
185' S of Douglas, 7' E of Centerline
Location Madison, WI

Boring No. 2
Surface Elev. (ft)
Job No. C08071-18
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	FL	PID
					3.5 in. Asphalt Pavement/8 in. Base Course					
1	6	M	13		Very Stiff, Brown Lean CLAY (CL)	(3.5)				
2	14	M	16		Sandy at 4 ft	(3.0)				
				5	Medium Dense, Brown Fine to Medium SAND, Some Gravel, Little Silt (SP-SM)					
3	12	M	45		Dense, Light Brown Fine to Coarse SAND, Some Gravel, Trace Silt (SP)					
4	18	M	25		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel (SM)					
				10						
5	6	M	50/2"		Very Dense, Yellow-Brown Silty Fine SAND, Little Gravel (SM) (Weathered to Competent Sandstone Bedrock)					
				15	End Boring/Spoon Refusal at 14.5 ft					
					Borehole backfilled with bentonite chips					
				20						

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ☒ NW Upon Completion of Drilling NW
Time After Drilling
Depth to Water ▼
Depth to Cave in

Start 11/19/08 End 11/19/08
Driller Badger Chief RR Rig D-120
Logger GFP Editor ESF
Drill Method 2 1/4 in. HSA

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



LOG OF TEST BORING

Project Camden Road
190' S of Pflam, 4' E of Centerline
Location Madison, WI

Boring No. 3
Surface Elev. (ft) _____
Job No. C08071-18
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	PI
					4 in. Asphalt Pavement/8 in. Base Course					
1	6	M	11		Very Stiff, Brown Mottled Lean CLAY (CL)	(3.25)				
2	16	M	9		Stiff at 4 ft	(1.5)				
3	16	M	60		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel (SM)					
					Very Dense, Light Brown Silty Fine to Coarse GRAVEL (GM) (Weathered to Competent Dolomite Bedrock)					
					End Boring/Auger Refusal at 7.5 ft					
					Borehole backfilled with cuttings					

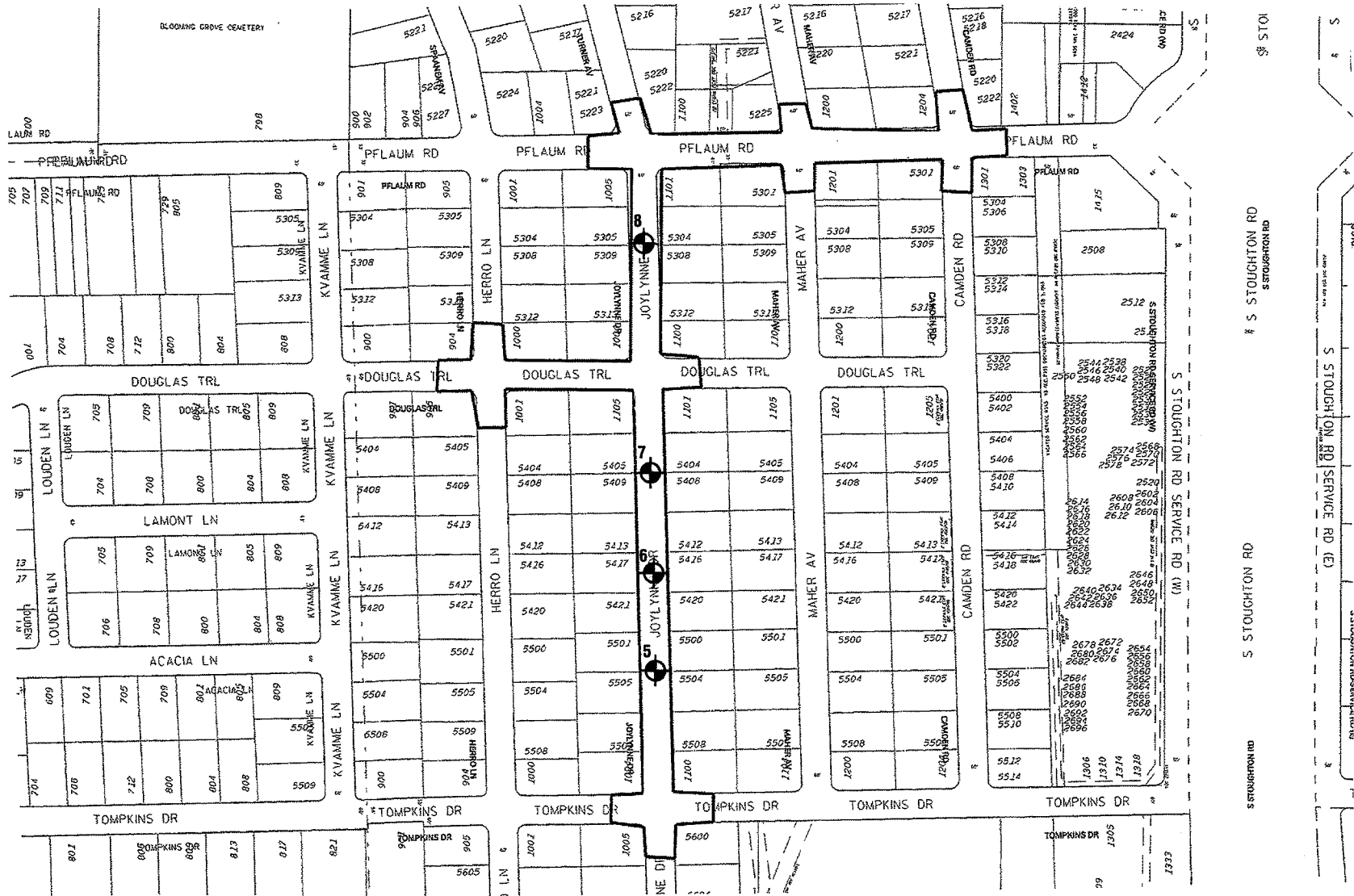
WATER LEVEL OBSERVATIONS

GENERAL NOTES

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

Start 11/19/08 End 11/19/08
Driller Badger Chief RR Rig D-120
Logger GFP Editor ESF
Drill Method 2 1/4 in. HSA

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



Legend



Denotes Boring Location and number (approximate)



Notes

1. Soil borings drilled by Badger State Drilling in February 2011

DWN: -

APP'D: MNS

Date: 2/11

C10041-10

CGC, Inc.

SOIL BORING LOCATION MAP
Joylynn Drive Additional Borings
Madison, Wisconsin



LOG OF TEST BORING

Project Joylynne Drive Additional Borings
250'N of Tompkins, 3'E of Centerline
Location Madison, WI

Boring No. 5
Surface Elevation (ft) 86.4**
Job No. C10041-10
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	. sh
						 3 in. Asphalt Pavement, 3 in. Base Course					
1		5	M	50/5"		 Brown Lean CLAY (CL) Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel (SM)					
2		5	M	50/ 11"		 Weathered to Competent SANDSTONE Bedrock					
					5	End Boring at 5 ft due to auger refusal on competent sandstone bedrock Borehole backfilled with soil cuttings *Sample 1 Frozen **Elevation determined using an assumed datum of 100.0 ft referencng the top nut of a hydrant situated at the intersection of Douglas and Joylynne.					

WATER LEVEL OBSERVATIONS

While Drilling ☒ NW Upon Completion of Drilling NW
Time After Drilling _____
Depth to Water _____
Depth to Cave in _____

GENERAL NOTES

Start 2/7/11 End 2/7/11
Driller Badger Chief RM Rig CME-55
Logger MC Editor ESF
Drill Method 2 1/4" HSA

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



LOG OF TEST BORING

Project Joylynne Drive Additional Borings
475'N of Tompkins, 6'E of Centerline
 Location Madison, WI

Boring No. 6
 Surface Elevation (ft) 91.0**
 Job No. C10041-10
 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

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ✓ NW Upon Completion of Drilling NW
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in _____

Start 2/7/11 End 2/7/11
 Driller Badger Chief RM Rig CME-55
 Logger MC Editor ESF
 Drill Method 2 1/4" HSA

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



LOG OF TEST BORING

Project Joylynne Drive Additional Borings
200'S of Douglas, 4'E of Centerline
 Location Madison, WI

Boring No. 7
 Surface Elevation (ft) 94.5**
 Job No. C10041-10
 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		qu (qa) (tsf)	W	LL	PL	.
					3 in. Asphalt Pavement, 3 in. Base Course					
1		0		50/2"	Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
2		18	M	24						
3		18	M	28						
4		18	M	56	Very Dense near 9 ft					
					Weathered to Competent SANDSTONE Bedrock					
					End Boring at 12 ft due to auger refusal on competent sandstone bedrock					
					Borehole backfilled with bentonite chips					
					*Sample 1 Frozen					
					**Elevation determined using an assumed datum of 100.0 ft referencng the top nut of a hydrant situated at the intersection of Douglas and Joylynne.					

WATER LEVEL OBSERVATIONS					GENERAL NOTES				
While Drilling	<u>∇</u>	<u>NW</u>	Upon Completion of Drilling	<u>NW</u>	Start	<u>2/7/11</u>	End	<u>2/7/11</u>	
Time After Drilling					Driller	<u>Badger</u>	Chief	<u>RM</u>	Rig <u>CME-55</u>
Depth to Water					Logger	<u>MC</u>	Editor	<u>ESF</u>	
Depth to Cave in					Drill Method	<u>2 1/4" HSA</u>			
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.									



LOG OF TEST BORING

Project Joylynne Drive Additional Borings
200'S of Pflaum, 6'E of Centerline
Location Madison, WI

Boring No. 8
Surface Elevation (ft) 95.1**
Job No. C10041-10
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, 8 in. Base Course					
1		5	M	50/5"		FILL: Brown Fine to Medium Sand					
2		12	M	20		Stiff to Very Stiff, Brown Lean CLAY (CL)					
					5		(2.0)				
3		12	M	16		Medium Dense, Brown Clayey Fine to Medium SAND (SC)					
4		2	M	50/2"		Weathered to Competent SANDSTONE Bedrock					
					10						
						End Boring at 11.5 ft due to auger refusal on competent sandstone bedrock					
						Borehole backfilled with bentonite chips					
					15	*Sample 1 Frozen					
						**Elevation determined using an assumed datum of 100.0 ft referencng the top nut of a hydrant situated at the intersection of Douglas and Joylynne.					
					20						

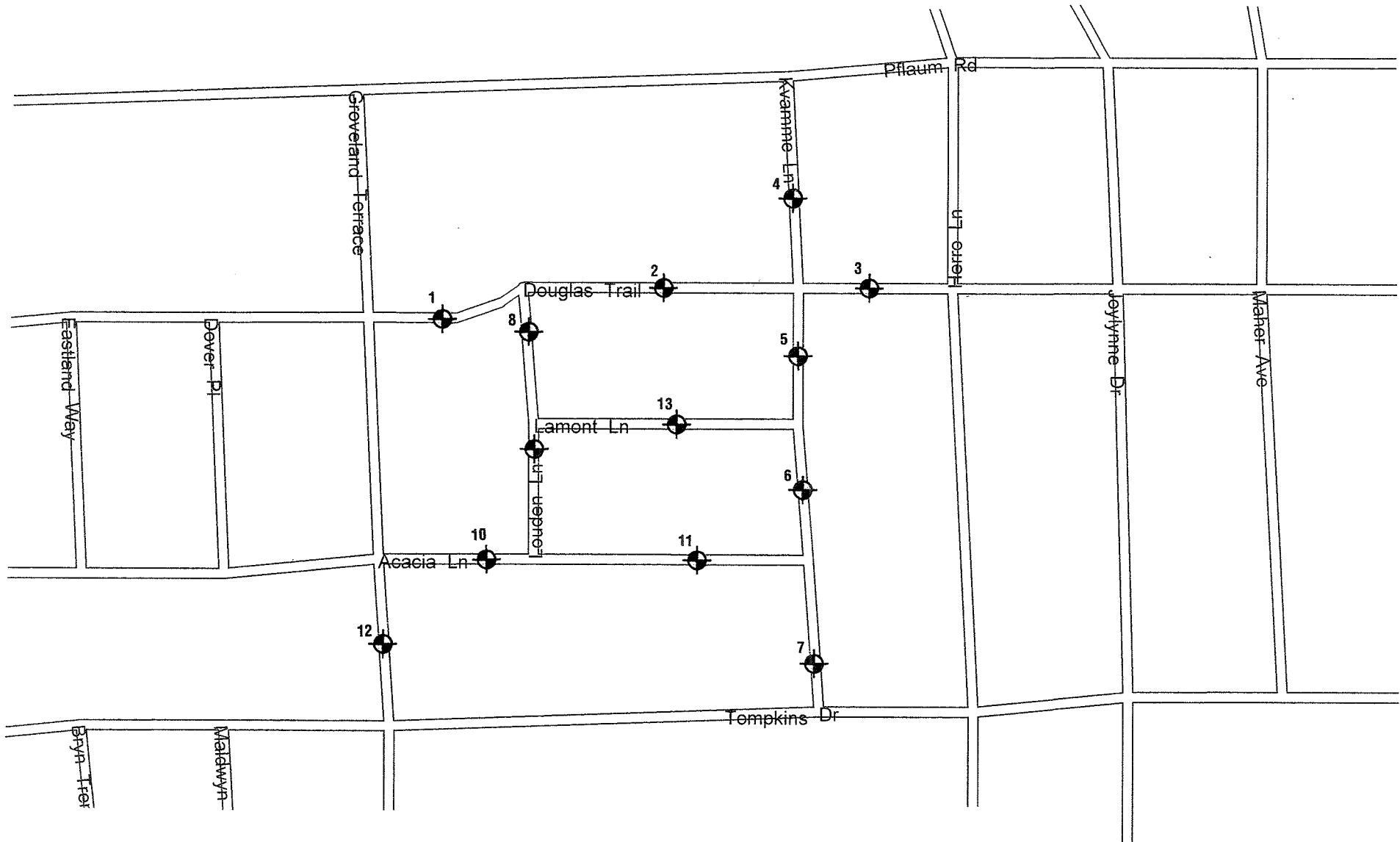
WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ☒ NW Upon Completion of Drilling NW
Time After Drilling _____
Depth to Water _____
Depth to Cave in _____

Start 2/7/11 End 2/7/11
Driller Badger Chief RM Rig CME-55
Logger MC Editor ESF
Drill Method 2 1/4" HSA

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



Legend



Denotes Boring Location (approximate)



Notes

1. Soil borings performed by Badger State Drilling in August 2016

DWN: -

APP'D: MNS

Date: 9/16

C16051-9

(Signature)

SOIL BORING LOCATION PLAN
Douglas Trail Area
Madison, Wisconsin



LOG OF TEST BORING

Project Douglas Trail Area
Douglas: 75'E of Groveland, Near CL
Location Madison, WI

Boring No. 1
Surface Elevation (ft) _____
Job No. C16051-9
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	LI
						3 in. Asphalt Pavement/9.5 in. Base Course					
1		7	M	10		Very Stiff, Brown Lean Sandy CLAY (CL)	(2.25)				
2		14	M	5		Loose, Brown Clayey Fine to Medium SAND, Some Silt and Gravel (SC/SM)					
3		13	M	10		Loose to Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
4		11	M	13							
5		16	M	21							
						End of Boring at 15 ft					
						Backfilled with Bentonite Chips and Asphalt Patch					

WATER LEVEL OBSERVATIONS					GENERAL NOTES					
While Drilling	<u>∇</u>	<u>NW</u>	Upon Completion of Drilling		Start	<u>8/30/16</u>	End	<u>8/30/16</u>		
Time After Drilling					Driller	<u>BSD</u>	Chief	<u>MC</u>	Rig	<u>CME-55</u>
Depth to Water					Logger	<u>FD</u>	Editor	<u>ESF</u>		
Depth to Cave in					Drill Method	<u>2.25" HSA; Automatic Hammer</u>				

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



LOG OF TEST BORING

Project Douglas Trail Area
Location Douglas: 155'E of Groveland, Near CL
Madison, WI

Boring No. 2
Surface Elevation (ft) _____
Job No. C16051-9
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	LI
							4.5 in. Asphalt Pavement/7 in. Base Course					
1		9	M	50/5"			Very Dense, Brown Fine to Medium SAND, Some Silt, Clay and Gravel (SM/SC-Possible Fill)					
							Medium Dense to Very Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
2		15	M	13								
					5							
3		14	M	37								
4		12	M	18								
					10							
5		3	M	50/5"								
					15							
							End of Boring at 15 ft					
							Backfilled with Bentonite Chips and Asphalt Patch					
					20							

WATER LEVEL OBSERVATIONS

While Drilling ∇ NW Upon Completion of Drilling _____
Time After Drilling _____
Depth to Water _____
Depth to Cave in _____

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

GENERAL NOTES

Start 8/30/16 End 8/30/16
Driller BSD Chief MC Rig CME-55
Logger FD Editor ESF
Drill Method 2.25" HSA; Automatic
Hammer



LOG OF TEST BORING

Project Douglas Trail Area
Douglas: 120'E of Kramme, Near CL
Location Madison, WI

Boring No. 3
Surface Elevation (ft) _____
Job No. C16051-9
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	LI
						1.5 in. Asphalt Pavement/10 in. Base Course					
1		6	M	8		Stiff, Brown Lean CLAY (CL)	(1.5)				
2		10	M	6		Loose to Very Loose, Brown Clayey Fine to Medium SAND, Some Silt and Gravel (SC/SM)					
3		18	M	4							
4		14	M	7		Loose to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
5		3	M	30							
						End of Boring at 15 ft					
						Backfilled with Bentonite Chips and Asphalt Patch					

WATER LEVEL OBSERVATIONS					GENERAL NOTES					
While Drilling	∇	NW	Upon Completion of Drilling		Start	8/30/16	End	8/30/16		
Time After Drilling					Driller	BSD	Chief	MC	Rig	CME-55
Depth to Water					Logger	FD	Editor	ESF		
Depth to Cave in					Drill Method	2.25" HSA; Automatic Hammer				

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

SAMPLE					VISUAL CLASSIFICATION and Remarks		SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N			Depth (ft)	q _u (q _a) (tsf)	W	LL	PL
						4.5 in. Asphalt Pavement/8 in. Base Course					
1-AS		0	M	8		FILL: Brown Clay With Sand and Gravel					
2		18	M	6		Very Soft, Brown and Gray Mottled Lean CLAY (CL)	(<0.1)				
3		7	M	29		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
4		18	M	22							
					10	Apparent Competent BEDROCK					
						End of Boring at 10 ft Due to Auger Refusal on Apparent Competent Bedrock					
						Backfilled with Bentonite Chips and Asphalt Patch					
					15						
					20						
WATER LEVEL OBSERVATIONS						GENERAL NOTES					
While Drilling ☒ NW Upon Completion of Drilling _____ Time After Drilling _____ Depth to Water _____ Depth to Cave in _____						Start 8/30/16 End 8/30/16 Driller BSD Chief MC Rig CME-55 Logger FD Editor ESF Drill Method 2.25" HSA; Automatic Hammer					
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.											



LOG OF TEST BORING

Project Douglas Trail Area
Kvamme: 100'S of Douglas, 5'E of CL
Location Madison, WI

Boring No. 5
Surface Elevation (ft) _____
Job No. C16051-9
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	LI
						 5 in. Asphalt Pavement/7 in. Base Course					
1		2	M	11		 Medium Stiff to Very Stiff, Brown Lean CLAY, Trace Sand (CL)	(2.0)				
2		17	M	7			(0.75)				
					5						
3		8	M	4		Loose to Very Loose, Brown Clayey Fine to Medium SAND, Some Silt and Gravel (SC/SM)					
4		12	M	4							
					10						
						Weathered to Competent, Orange-Brown Sandstone BEDROCK					
5		2	M	50/2"							
					15						
						End of Boring at 15 ft					
						Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ∇ NW Upon Completion of Drilling _____
Time After Drilling _____
Depth to Water _____
Depth to Cave in _____

Start 8/30/16 End 8/30/16
Driller BSD Chief MC Rig CME-55
Logger FD Editor ESF
Drill Method 2.25" HSA; Automatic
Hammer

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



LOG OF TEST BORING

Project Douglas Trail Area
Kvamme: 130'N of Acacia, Near CL
Location Madison, WI

Boring No. 6
Surface Elevation (ft) _____
Job No. C16051-9
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	LI
						4.5 in. Asphalt Pavement/6 in. Base Course					
1		11	M	8		Loose to Medium Dense, Brown Sandy SILT, Trace Clay (ML)					
2		5	M	12							
3		12	M	15							
4		14	M	9							
					10	Weathered to Competent, Light Brown Sandstone BEDROCK					
5		1	M	50/2"	15	End of Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						
WATER LEVEL OBSERVATIONS						GENERAL NOTES					
While Drilling ☒ NW Upon Completion of Drilling _____						Start <u>8/30/16</u> End <u>8/30/16</u>					
Time After Drilling _____						Driller <u>BSD</u> Chief <u>MC</u> Rig <u>CME-55</u>					
Depth to Water _____						Logger <u>FD</u> Editor <u>ESF</u>					
Depth to Cave in _____						Drill Method <u>2.25" HSA; Automatic Hammer</u>					
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.											



LOG OF TEST BORING

Project **Douglas Trail Area**
Kyamme, 90'N of Tompkins, Near CL
Location **Madison, WI**

Boring No. **7**
Surface Elevation (ft) _____
Job No. **C16051-9**
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	LI
							4 in. Asphalt Pavement/10 in. Base Course					
1		12	M	17			Medium Dense to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM-Possible Fill to 5 ft)					
2		3	M	18								
					5							
3		16	M	19								
4		3	M	38								
					10							
							Rough Drilling Noted at 10.5 ft					
5		8	M	35								
					15							
							End of Boring at 15 ft					
							Backfilled with Bentonite Chips and Asphalt Patch					
					20							

WATER LEVEL OBSERVATIONS

While Drilling ☒ NW Upon Completion of Drilling _____
Time After Drilling _____
Depth to Water _____
Depth to Cave in _____

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

GENERAL NOTES

Start **8/30/16** End **8/30/16**
Driller **BSD** Chief **MC** Rig **CME-55**
Logger **FD** Editor **ESF**
Drill Method **2.25" HSA; Automatic
Hammer**



LOG OF TEST BORING

Project Douglas Trail Area
Location Louden: 160'N of Lamont, Near CL
Madison, WI

Boring No. 8
Surface Elevation (ft)
Job No. C16051-9
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	LI
						3 in. Asphalt Pavement/10 in. Base Course					
1		7	M	12		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM) Rough Drilling Noted at 7 ft					
2		14	M	16							
3		18	M	19							
4		12	M	24							
5		17	M	22							
						End of Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
WATER LEVEL OBSERVATIONS						GENERAL NOTES					
While Drilling <u>∇</u> <u>NW</u> Upon Completion of Drilling <u> </u>						Start <u>8/30/16</u> End <u>8/30/16</u>					
Time After Drilling <u> </u>						Driller <u>BSD</u> Chief <u>MC</u> Rig <u>CME-55</u>					
Depth to Water <u> </u>						Logger <u>FD</u> Editor <u>ESF</u>					
Depth to Cave in <u> </u>						Drill Method <u>2.25" HSA; Automatic</u>					
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.						Hammer <u> </u>					

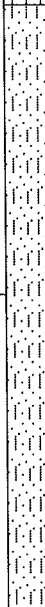


LOG OF TEST BORING

Project Douglas Trail Area
Location Louden: 125'S of Lamont, Near CL
Location Madison, WI

Boring No. 9
Surface Elevation (ft) _____
Job No. C16051-9
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	LI
							3.5 in. Asphalt Pavement/8 in. Base Course					
1		14	M	8			Stiff, Brown Lean CLAY (CL)	(1.25)				
							Loose, Brown Sandy SILT, Trace Clay (ML)					
2		6	M	9								
					5		Loose to Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
3		18	M	10								
4		8	M	14								
					10							
5		18	M	26								
					15		End of Boring at 15 ft					
							Backfilled with Bentonite Chips and Asphalt Patch					
					20							

WATER LEVEL OBSERVATIONS

While Drilling ☒ NW Upon Completion of Drilling _____
Time After Drilling _____
Depth to Water _____
Depth to Cave in _____

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

GENERAL NOTES

Start 8/30/16 End 8/30/16
Driller BSD Chief MC Rig CME-55
Logger FD Editor ESF
Drill Method 2.25" HSA; Automatic
Hammer

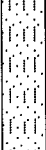


LOG OF TEST BORING

Project Douglas Trail Area
Location Acacia: 200'E of Groveland, Near CL
Madison, WI

Boring No. 10
Surface Elevation (ft) _____
Job No. C16051-9
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	LI
							4 in. Asphalt Pavement/11 in. Base Course					
1		6	M	6			FILL: Loose, Dark Brown/Gray Silt with Clay and Sand					
2		15	M	10			Stiff to Very Stiff, Brown and Gray Mottled Lean CLAY (CL)	(2.0)				
3		6	M	9			Loose, Brown to Dark Brown Fine to Coarse SAND, Some Silt and Gravel, Trace CLAY (SM)					
4		10	M	8			Loose, Dark Brown Clayey Fine to Medium SAND, Some Silt and Gravel (SC/SM)					
5		18	M/W	4			Loose to Very Loose, Light Brown, Silty Fine SAND (SM)					
							End of Boring at 15 ft					
							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 _____

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

GENERAL NOTES

Start 8/30/16 End 8/30/16
Driller BSD Chief MC Rig CME-55
Logger FD Editor ESF
Drill Method 2.25" HSA; Automatic
Hammer



LOG OF TEST BORING

Project Douglas Trail Area
Location Acacia: 230'W of Kvamme, Near CL
Location Madison, WI

Boring No. 11
Surface Elevation (ft) _____
Job No. C16051-9
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	LI
						2 in. Asphalt / 7.5 in. Base Course					
1-AS		0	M	11		Brown Lean CLAY (CL)					
2		15	M	28		Medium Dense to Very Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
3		18	M	21							
4		9	M	56							
5		13	M	37							
						End of Boring at 15 ft					
						Backfilled with Bentonite Chips and Asphalt Patch					

WATER LEVEL OBSERVATIONS					GENERAL NOTES					
While Drilling	☒ NW	Upon Completion of Drilling			Start	8/29/16	End	8/29/16		
Time After Drilling					Driller	BSD	Chief	MC	Rig	CME-55
Depth to Water					Logger	FD	Editor	ESF		
Depth to Cave in					Drill Method	2.25" HSA; Automatic				
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.					Hammer					



LOG OF TEST BORING

Project **Douglas Trail Area**
Groveland: 160'S of Acacia, Near CL
Location **Madison, WI**

Boring No. **12**
Surface Elevation (ft) _____
Job No. **C16051-9**
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		qu (qa) (tsf)	W	LL	PL	LI
					1.5 in. Asphalt / 8 in. Base Course					
1		11	M	10	Very Stiff, Brown Lean CLAY (CL)	(2.75)				
2		14	M	12		(2.5)				
3		18	M	4	Very soft near 6 ft	(0.2)				
4		15	M	5	Loose, Brown Fine to Medium SAND, Some Silt, Trace Clay (SM)					
					Rough Drilling Noted Near 12 ft					
5		17	M	44	Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
					End of Boring at 15 ft					
					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 _____

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

GENERAL NOTES

Start **8/29/16** End **8/29/16**
Driller **BSD** Chief **MC** Rig **CME-55**
Logger **FD** Editor **ESF**
Drill Method **2.25" HSA; Automatic**
Hammer



LOG OF TEST BORING

Project Douglas Trail Area
Location Lamont: 295'W of Kvamme, Near CL
Madison, WI

Boring No. 13
Surface Elevation (ft) _____
Job No. C16051-9
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		qu (qa) (tsf)	W	LL	PL	LI
					4 in. Asphalt Pavement/ 7 in. Base Course					
1		3	M	7	Stiff to Very Stiff, Brown Lean CLAY (CL)	(1.75)				
2		7	M	13		(3.5)				
3		11	M	4	Loose to Very Loose, Brown Clayey Fine to Medium SAND, Some Silt and Gravel (SC/SM)					
4		16	M	8						
5		3	M	13	Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
					End of Boring at 15 ft					
					Backfilled with Bentonite Chips and Asphalt Patch					

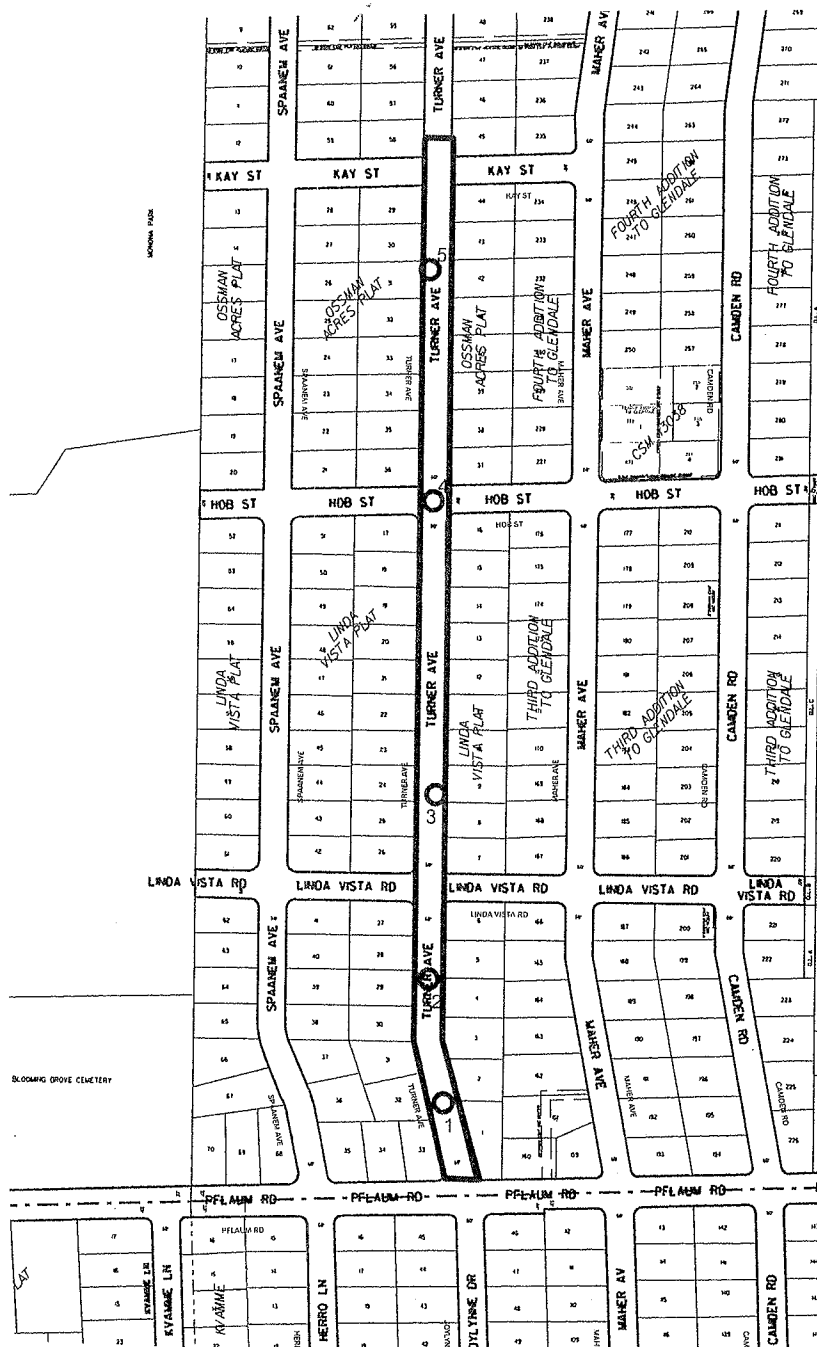
WATER LEVEL OBSERVATIONS

While Drilling ∇ NW Upon Completion of Drilling _____
Time After Drilling _____
Depth to Water _____
Depth to Cave in _____

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

GENERAL NOTES

Start 8/30/16 End 8/30/16
Driller BSD Chief MC Rig CME-55
Logger FD Editor ESF
Drill Method 2.25" HSA; Automatic
Hammer



Legend

- Denotes Boring Location (approximate)

Notes

1. Soil borings drilled by Badger State Drilling in August 2014.

DWN: -

APP'D: MNS

Date: 12/14

C14051-20

CGC, Inc.

SOIL BORING LOCATION PLAN Turner Avenue



LOG OF TEST BORING

Project Turner Avenue
Location 220'N of Pflaum, 5'W of CL
Madison, Wisconsin

Boring No. 1
Surface Elevation (ft) 79.5*
Job No. C14051-20
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	LI
						7 in. Asphalt Pavement/9 in. Base Course					
1		16	M	11		Medium Dense to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
2		17	M	12							
3		16	M	17							
4		14	M	20							
5		16	M	30		Medium Dense to Dense Near 14 ft					
						End boring at 15 ft					
						Borehole backfilled with bentonite chips and asphalt patch					
						*Elevation determined using an assumed datum of 100.0 ft referencing the top nut of a hydrant situated at the intersection of Hob and Turner					

WATER LEVEL OBSERVATIONS					GENERAL NOTES					
While Drilling	☒ NW	Upon Completion of Drilling			Start	8/28/14	End	8/28/14		
Time After Drilling					Driller	Badger	Chief	JF	Rig	CME-55
Depth to Water					Logger	SC	Editor	ESF		
Depth to Cave in					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 Turner Avenue
210'S of Linda Vista, 5'W of CL
Location Madison, Wisconsin

Boring No. 2
Surface Elevation (ft) 83.9*
Job No. C14051-20
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	LI
						5 in. Asphalt Pavement/9 in. Base Course					
1		9	M	14		Medium Dense to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
2		18	M	11							
3		16	M	26							
4		15	M	16							
5		0	M	50/1"		Very Dense Near 13.5' (Presumed Boulder/Possible Bedrock)					
End boring at 15 ft						Borehole backfilled with bentonite chips and asphalt patch					
*Elevation determined using an assumed datum of 100.0 ft referencing the top nut of a hydrant situated at the intersection of Hob and Turner											
WATER LEVEL OBSERVATIONS						GENERAL NOTES					
While Drilling ☒ NW Upon Completion of Drilling _____						Start <u>8/28/14</u> End <u>8/28/14</u>					
Time After Drilling _____						Driller <u>Badger</u> Chief <u>JF</u> Rig <u>CME-55</u>					
Depth to Water _____						Logger <u>SC</u> Editor <u>ESF</u>					
Depth to Cave in _____						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 **Turner Avenue**
200'N of Linda Vista, 5'W of CL
 Location **Madison, Wisconsin**

Boring No. **3**
Surface Elevation (ft) **90.5***
Job No. **C14051-20**
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.	TYP E	Rec (in.)	Moist	N	Depth (ft)			qu (qa) (tsf)	W	LL	PL	LI
							7 in. Asphalt Pavement/9 in. Base Course					
1		13	M	8			Loose to Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
2		11	M	9								
3		6	M	28								
4		15	M	22								
5		17	M	20								
							End Boring at 15 ft					
							Borehole backfilled with bentonite chips and asphalt patch					
							*Elevation determined using an assumed datum of 100.0 ft referencing the top nut of a hydrant situated at the intersection of Hob and Turner					
WATER LEVEL OBSERVATIONS							GENERAL NOTES					
While Drilling ☒ NW Upon Completion of Drilling _____							Start 8/28/14 End 8/28/14					
Time After Drilling _____							Driller Badger Chief JF Rig CME-55					
Depth to Water _____							Logger SC Editor ESF					
Depth to Cave in _____							Drill Method 2.25 HSA; Autohammer					
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.												

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



LOG OF TEST BORING

Project Turner Avenue
150'S of Kay, 5'W of CL
Location Madison, Wisconsin

Boring No. 5
Surface Elevation (ft) 78.3*
Job No. C14051-20
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	LI
						5 in. Asphalt Pavement/7 in. Base Course					
1		11	M	14		Stiff to Very Stiff, Brown Lean to Silty CLAY (CL/CL-ML)	(3.5)				
2		10	M	5			(2.0)				
3		12	M	14			(1.5)				
4		18	M	23		Medium Dense, Brown Sandy SILT to Silty Fine SAND (ML/SM)					
5		18	M	29		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
End Boring at 15 ft											
Borehole backfilled with bentonite chips and asphalt patch											
*Elevation determined using an assumed datum of 100.0 ft referencing the top nut of a hydrant situated at the intersection of Hob and Turner											

WATER LEVEL OBSERVATIONS				GENERAL NOTES	
While Drilling	☒ NW	Upon Completion of Drilling		Start	8/28/14 End 8/28/14
Time After Drilling				Driller	Badger Chief JF Rig CME-55
Depth to Water				Logger	SC Editor ESF
Depth to Cave in				Drill Method	2.25 HSA; Autohammer
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.					



Department of Public Works
Engineering Division
James M. Wolfe, 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
www.cityofmadison.com/engineering

Assistant City Engineer

Bryan Cooper, AIA
Gregory T. Fries, P.E.
Chris Petykowski, P.E.

Deputy Division Manager

Kathleen M. Cryan

Principal Architect

Amy Loewenstein Scanlon, AIA

Principal Engineer 2

Janet Schmidt, P.E.

Principal Engineer 1

Kyle Frank, P.E.
Mark D. Moder, P.E.
Fadi El Musa Gonzalez, P.E.
Andrew J. Zwieg, P.E.

Financial Manager

Steven B. Danner-Rivers

May 19, 2026

**NOTICE OF ADDENDUM
ADDENDUM 1
CONTRACT NO. 8747
PFLAUM ROAD ASSESSMENT DISTRICT - 2025**

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

SPECIAL PROVISIONS:

Replace the item numbers in the 'Basis of Payment' section of the following bid items

Old Item Number	New Item Number	Bid Item
90006	90005	FURNISH & INSTALL POLE ALUMINUM 20-FT STREET LIGHT (BLACK)
90007	90006	FURNISH & INSTALL TYPE I STREET LIGHT LUMINAIRE TYPE I
90008	90007	FURNISH & INSTALL STREET LIGHTING CABINET

BID PACKAGE

ADD:

Add the following documents into the bid package: 8747 Soil Borings – Additional (Camden Rd, Joylynne Dr, Kvamme Ln, Turner Ave

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 website at:

<https://www.bidexpress.com>

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4761 to receive the material by another route.

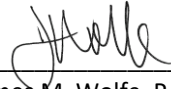
To request interpretation, translation or a disability-related accommodation at no cost to you, contact the Engineering Division, (608) 266-4751, or email engineer@cityofmadison.com.

Para solicitar interpretación, traducción o una adaptación especial relacionada con alguna discapacidad sin costo alguno para usted, comuníquese al (608) 266-4751 o al correo engineer@cityofmadison.com.

如需免費提供口譯、筆譯或殘疾相關的便利服務，請聯系 (608) 266-4751 或 engineer@cityofmadison.com.

Koj muaj txoj cai tau txais kev txhais lus, kev pes lus los sis kev pab cuam txhawm rau kev tsis taus uas tsis muaj nqi rau koj: Xav paub ntxiv tiv tauj rau (608) 266-4751 los sis engineer@cityofmadison.com.

Sincerely,



James M. Wolfe, P.E., City Engineer

RFP: IO

SECTION E: BIDDERS ACKNOWLEDGEMENT

PFLAUM ROAD RESURFACING ASSESSMENTS DISTRICT - 2025 CONTRACT NO. 8747

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.

1. 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 - 2026 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)
2. 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.
3. 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.
4. 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).
5. I hereby certify that all statements herein are made on behalf of S+L Underground, 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.

B. J. [Signature]
SIGNATURE

President
TITLE, IF ANY

Sworn and subscribed to before me this 21st day of May, 2026

Erika K. Skarda
(Notary Public or other officer authorized to administer oaths)

My Commission Expires 2-11-2030

Bidders shall not add any conditions or qualifying statements to this Proposal

Section F: Best Value Contracting (BVC) Fillable Online Form

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

**PFLAUM ROAD RESURFACING ASSESSMENTS DISTRICT - 2025
CONTRACT NO. 8747**

Small Business Enterprise Compliance Report

This information may be submitted electronically through
Bid Express or submitted with bid in sealed envelope.

Cover Sheet

Prime Bidder Information

Company: S+L Underground, Inc.
Address: W10440 Cty Rd K Lodi, WI 53555
Telephone Number: 608-592-0625 Fax Number: 608-592-3804
Contact Person/Title: Matt Kundert / Operations Manager

Prime Bidder Certification

I, Ben Larrabee, President of
Name Title
S+L Underground, Inc. certify that the information
Company

contained in this SBE Compliance Report is true and correct to the best of my knowledge and belief.

Erika Steinhilber
Witness' Signature
5/21/2026
Date

B. 22
Bidder's Signature



Pflaum Road Resurfacing Assessments District - 2025

CONTRACT NO. 8747

DATE: 5/21/2026

**S&L
Underground,
Inc.**

Item	Quantity	Price	Extension
Section B: Proposal Page			
10701 - TRAFFIC CONTROL - LUMP SUM	1.00	\$32,000.00	\$32,000.00
10713 - TEMPORARY CROSSWALK ACCESS (UNDISTRIBUTED) - EACH	6.00	\$1,385.00	\$8,310.00
10714 - TEMPORARY SIDEWALK ACCESS (UNDISTRIBUTED) - EACH	6.00	\$1,070.00	\$6,420.00
10721 - TRAFFIC CONTROL SIGN - PORTABLE CHANGEABLE MESSAGE - DAYS	150.00	\$49.00	\$7,350.00
10730 - PROJECT INFORMATION SIGN - EACH	2.00	\$150.00	\$300.00
10750 - RESET MONUMENT - EACH	1.00	\$300.00	\$300.00
10770 - MAINTAIN RESIDENTIAL DRIVEWAY ACCESS (UNDISTRIBUTED) - EACH	2.00	\$1,160.00	\$2,320.00
10801 - ROOT CUTTING - CURB AND GUTTER (UNDISTRIBUTED) - L.F.	60.00	\$10.00	\$600.00
10911 - MOBILIZATION - LUMP SUM	1.00	\$173,000.00	\$173,000.00
20101 - EXCAVATION CUT - C.Y.	16669.00	\$22.20	\$370,051.80
20110 - TERRACE EXCAVATION FOR TREE PLANTING - C.Y.	418.00	\$60.00	\$25,080.00
20140 - GEOTEXTILE FABRIC TYPE SAS NON WOVEN (UNDISTRIBUTED) - S.Y.	2000.00	\$2.00	\$4,000.00
20141 - GEOSYNTHETIC REINFORCEMENT FABRIC (UNDISTRIBUTED) - S.Y.	500.00	\$7.30	\$3,650.00
20217 - CLEAR STONE - TON	2325.00	\$16.30	\$37,897.50
20219 - BREAKER RUN - TON	7201.00	\$13.90	\$100,093.90
20221 - TOPSOIL - S.Y.	3099.00	\$6.00	\$18,594.00
20223 - PLANTING MIX TOPSOIL - C.Y.	90.00	\$61.20	\$5,508.00
20302 - SAWCUT CONCRETE, FULL DEPTH - L.F.	45.00	\$2.25	\$101.25
20303 - SAWCUT ASPHALT PAVEMENT - L.F.	428.00	\$2.50	\$1,070.00
20311 - REMOVE SEWER ACCESS STRUCTURE - EACH	14.00	\$870.00	\$12,180.00
20313 - REMOVE INLET - EACH	2.00	\$670.00	\$1,340.00
20314 - REMOVE PIPE - L.F.	573.00	\$32.60	\$18,679.80
20322 - REMOVE CONCRETE CURB & GUTTER - L.F.	6573.00	\$3.10	\$20,376.30
20323 - REMOVE CONCRETE SIDEWALK AND DRIVE - S.F.	29321.00	\$3.00	\$87,963.00
20331 - ABANDON SEWER ACCESS STRUCTURE - EACH	1.00	\$705.00	\$705.00
20335 - ABANDON SEWER PIPE WITH SLURRY - C.Y.	4.20	\$750.00	\$3,150.00
20336 - PIPE PLUG (UNDISTRIBUTED) - EACH	8.00	\$320.00	\$2,560.00
20401 - CLEARING - I.D.	10.00	\$100.00	\$1,000.00
20406 - GRUBBING - I.D.	10.00	\$100.00	\$1,000.00
20501 - ADJUST SEWER ACCESS STRUCTURE (STORM) - EACH	4.00	\$970.00	\$3,880.00
20503 - ADJUST INLET - EACH	5.00	\$425.00	\$2,125.00
20701 - TERRACE SEEDING - S.Y.	2566.00	\$3.28	\$8,416.48
21002 - EROSION CONTROL INSPECTION - EACH	4.00	\$404.04	\$1,616.16
21011 - CONSTRUCTION ENTRANCE - EACH	15.00	\$1,200.00	\$18,000.00
21013 - STREET SWEEPING - LUMP SUM	1.00	\$5,000.00	\$5,000.00
21015 - STREET CONSTRUCTION STONE BERM - EACH	30.00	\$155.00	\$4,650.00
21017 - SILT SOCK (8 INCH) - COMPLETE (UNDISTRIBUTED) - L.F.	500.00	\$6.00	\$3,000.00
21032 - INLET PROTECTION TYPE C - PROVIDE & INSTALL (UNDISTRIBUTED) - EACH	5.00	\$65.66	\$328.30
21033 - INLET PROTECTION TYPE C - MAINTAIN (UNDISTRIBUTED) - EACH	10.00	\$55.56	\$555.60
21034 - INLET PROTECTION TYPE C - REMOVE (UNDISTRIBUTED) - EACH	5.00	\$15.15	\$75.75

Pflaum Road Resurfacing Assessments District - 2025

CONTRACT NO. 8747

DATE: 5/21/2026

**S&L
Underground,
Inc.**

Item	Quantity	Price	Extension
21049 - INLET PROTECTION, RIGID FRAME - PROVIDE AND INSTALL - EACH	37.00	\$173.74	\$6,428.38
21050 - INLET PROTECTION, RIGID FRAME - MAINTAIN - EACH	68.00	\$55.56	\$3,778.08
21051 - INLET PROTECTION, RIGID FRAME - REMOVE - EACH	37.00	\$25.25	\$934.25
21055 - INLET PROTECTION, TYPE D HYBRID - COMPLETE - EACH	1.00	\$505.05	\$505.05
21063 - EROSION MATTING, CLASS I, TYPE A- ORGANIC - S.Y.	2566.00	\$1.87	\$4,798.42
21302 - CONSTRUCTION FENCE – PLASTIC (UNDISTRIBUTED) - L.F.	500.00	\$3.69	\$1,845.00
21401 - TERRACE SUPPORT SYSTEMS - C.F.	1227.00	\$26.80	\$32,883.60
30201 - TYPE "A" CONCRETE CURB & GUTTER - L.F.	5349.00	\$24.50	\$131,050.50
30203 - TYPE "X" CONCRETE CURB & GUTTER - L.F.	359.00	\$41.50	\$14,898.50
30205 - TYPE "E" CONCRETE CURB & GUTTER - L.F.	132.00	\$45.00	\$5,940.00
30208 - HAND FORMED CONCRETE CURB & GUTTER (TREE LOCATIONS) - L.F.	20.00	\$45.00	\$900.00
30301 - 5 INCH CONCRETE SIDEWALK - S.F.	25217.00	\$7.55	\$190,388.35
30302 - 7 INCH CONCRETE SIDEWALK & DRIVE - S.F.	8868.00	\$8.20	\$72,717.60
30307 - TEMPORARY BUS STOP PAD WARNING FIELDS - S.F.	160.00	\$35.00	\$5,600.00
30311 - CONCRETE MOUNTABLE MEDIAN ISLAND NOSE - S.F.	192.00	\$12.00	\$2,304.00
30339 - DETECTABLE WARNING FIELDS RADIAL - S.F.	176.00	\$65.00	\$11,440.00
30340 - CURB RAMP DETECTABLE WARNING FIELDS - S.F.	710.00	\$45.00	\$31,950.00
30342 - TREE GRATE 4' X 8' (INCLUDING FRAME) - EACH	3.00	\$5,600.00	\$16,800.00
30351 - COLORED 7-INCH CONCRETE - S.F.	766.00	\$13.60	\$10,417.60
40101 - CRUSHED AGGREGATE BASE COURSE, GRADATION NO. 1 - TON	6283.00	\$19.30	\$121,261.90
40102 - CRUSHED AGGREGATE BASE COURSE, GRADATION NO. 2 - TON	8422.00	\$19.30	\$162,544.60
40202 - HMA PAVEMENT 4 LT 58-28 S - TON	548.00	\$87.47	\$47,933.56
40203 - HMA PAVEMENT 3 MT 58-28 S - TON	2961.00	\$74.34	\$220,120.74
40204 - HMA PAVEMENT 4 MT 58-28 S - TON	1692.00	\$80.10	\$135,529.20
40218 - TACK COAT - GAL	1867.00	\$2.53	\$4,723.51
40221 - MACHINE LAID ASPHALT CURB - L.F.	290.00	\$4.04	\$1,171.60
40231 - ASPHALT DRIVE & TERRACE - S.Y.	88.00	\$39.60	\$3,484.80
40411 - CONCRETE PAVEMENT RECONSTRUCTION - S.Y.	665.00	\$98.80	\$65,702.00
50211 - SELECT BACKFILL FOR STORM SEWER - T.F.	973.00	\$0.01	\$9.73
50212 - SELECT BACKFILL SANITARY SEWER - T.F.	4029.00	\$0.01	\$40.29
50225 - UTILITY TRENCH PATCH TYPE III (SANITARY) - T.F.	10.00	\$160.00	\$1,600.00
50301 - 8 INCH PVC SANITARY SEWER PIPE - L.F.	3187.00	\$90.00	\$286,830.00
50353 - SANITARY SEWER LATERAL - L.F.	842.00	\$98.00	\$82,516.00
50356 - RECONNECT - EACH	22.00	\$2,533.00	\$55,726.00
50390 - SEWER ELECTRONIC MARKER BALLS - EACH	48.00	\$98.00	\$4,704.00
50401 - 12 INCH TYPE I RCP STORM SEWER PIPE - L.F.	543.00	\$91.70	\$49,793.10
50403 - 18 INCH TYPE I RCP STORM SEWER PIPE - L.F.	353.00	\$102.00	\$36,006.00
50405 - 24 INCH TYPE I RCP STORM PIPE - L.F.	77.00	\$130.00	\$10,010.00
50701 - 4' DIA SANITARY SAS - EACH	16.00	\$5,130.00	\$82,080.00

Pflaum Road Resurfacing Assessments District - 2025

CONTRACT NO. 8747

DATE: 5/21/2026

**S&L
Underground,
Inc.**

Item	Quantity	Price	Extension
50702 - 5' DIA SANITARY SAS - EACH	3.00	\$8,884.00	\$26,652.00
50723 - 3'X3' STORM SAS - EACH	5.00	\$4,772.00	\$23,860.00
50724 - 4'X4' STORM SAS - EACH	1.00	\$6,182.00	\$6,182.00
50725 - 5'X5' STORM SAS - EACH	2.00	\$9,152.00	\$18,304.00
50741 - TYPE H INLET - EACH	10.00	\$3,574.00	\$35,740.00
50768 - TERRACE INLET TYPE 3 - EACH	2.00	\$7,226.00	\$14,452.00
50791 - SANITARY SEWER TAP - EACH	12.00	\$1,708.00	\$20,496.00
50792 - STORM TAP (UNDISTRIBUTED) - EACH	5.00	\$1,017.00	\$5,085.00
50801 - UTILITY LINE OPENING (ULO) (UNDISTRIBUTED) - EACH	32.00	\$676.00	\$21,632.00
60222 - FURNISH & INSTALL 3 INCH PVC (SCHEDULE 80) CONDUIT - L.F.	80.00	\$13.13	\$1,050.40
60224 - FURNISH & INSTALL 3 INCH PVC (SCHEDULE 40) CONDUIT - L.F.	12.00	\$12.12	\$145.44
60230 - FURNISH & INSTALL 2 INCH PVC (SCHEDULE 80) CONDUIT - L.F.	180.00	\$11.11	\$1,999.80
60232 - FURNISH & INSTALL 2 INCH PVC (SCHEDULE 40) CONDUIT - L.F.	1026.00	\$9.09	\$9,326.34
60241 - GOPHER RACEWAY FOR ELECTRICAL CONDUIT - L.F.	220.00	\$40.40	\$8,888.00
60253 - FURNISH & INSTALL 3 #4 AND 1 #8 WIRES IN EXISTING OR CONTRACTOR INSTALLED CONDUIT - L.F.	1368.00	\$13.13	\$17,961.84
60401 - CONSTRUCT LB-1 BASE - EACH	1.00	\$1,111.11	\$1,111.11
60402 - CONSTRUCT LB-2 BASE - EACH	6.00	\$1,212.12	\$7,272.72
60413 - CONSTRUCT TYPE "P" BASE - EACH	1.00	\$2,525.25	\$2,525.25
60417 - CONSTRUCT "GR" BASE - EACH	2.00	\$1,111.11	\$2,222.22
60421 - REMOVE STREET LIGHT BASE - EACH	5.00	\$500.00	\$2,500.00
60422 - REMOVE STREET LIGHT POLE - EACH	5.00	\$1,010.10	\$5,050.50
60427 - REMOVE ELECTRICAL HANDHOLE - EACH	11.00	\$757.58	\$8,333.38
60261 - ELECTRICAL TRENCH - L.F.	1032.00	\$8.08	\$8,338.56
60602 - INSTALL METERED ELECTRIC SERVICE - EACH	1.00	\$2,020.20	\$2,020.20
60702 - CONSTRUCT ELECTRICAL HANDHOLE TYPE 1 - EACH	13.00	\$1,212.12	\$15,757.56
60706 - CONSTRUCT ELECTRICAL HANDHOLE TYPE 5 - EACH	2.00	\$1,767.68	\$3,535.36
60708 - CONSTRUCT ELECTRICAL HANDHOLE TYPE 7 - EACH	4.00	\$2,020.20	\$8,080.80
60800 - PAVEMENT MARKING EPOXY, DOUBLE LINE, 4-INCH - L.F.	1460.00	\$5.30	\$7,738.00
60801 - PAVEMENT MARKING EPOXY, 4-INCH - L.F.	3000.00	\$2.10	\$6,300.00
60802 - PAVEMENT MARKING EPOXY, LINE, 6-INCH - L.F.	1210.00	\$1.75	\$2,117.50
60803 - PAVEMENT MARKING EPOXY, LINE, 8-INCH - L.F.	300.00	\$1.25	\$375.00
60812 - PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH - L.F.	1000.00	\$9.00	\$9,000.00
60816 - PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH - L.F.	1000.00	\$18.00	\$18,000.00
60818 - PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH - L.F.	230.00	\$24.00	\$5,520.00
60819 - PAVEMENT MARKING EPOXY, CURB - L.F.	50.00	\$5.55	\$277.50
60820 - MEDIAN NOSE - EACH	8.00	\$225.00	\$1,800.00
60824 - PAVEMENT MARKING EPOXY, SYMBOL, BIKE STRAIGHT ARROW - EACH	20.00	\$180.00	\$3,600.00
60829 - PAVEMENT MARKING EPOXY, SYMBOL, LEFT ARROW - EACH	12.00	\$185.00	\$2,220.00
60833 - PAVEMENT MARKING EPOXY, SYMBOL, STRAIGHT & RIGHT ARROW - EACH	1.00	\$350.00	\$350.00
60834 - PAVEMENT MARKING EPOXY, WORD, ONLY - EACH	2.00	\$225.00	\$450.00

Pflaum Road Resurfacing Assessments District - 2025

CONTRACT NO. 8747

DATE: 5/21/2026

Item	Quantity	S&L Underground, Inc.		Extension
		Price		
60894 - SKID/SLIP RESISTANT PREFORMED THERMOPLASTIC PAVEMENT MARKING, BIKE LANE GREEN - S.F.	600.00	\$16.80		\$10,080.00
60896 - SKID/SLIP RESISTANT PREFORMED THERMOPLASTIC PAVEMENT MARKING, 6-INCH WHITE RETROREFLECTIVE LINE - L.F.	150.00	\$9.15		\$1,372.50
70002 - FURNISH AND INSTALL 6 INCH PIPE & FITTINGS - L.F.	395.00	\$118.00		\$46,610.00
70003 - FURNISH AND INSTALL 8 INCH PIPE & FITTINGS - L.F.	715.00	\$130.00		\$92,950.00
70005 - FURNISH AND INSTALL 12 INCH PIPE & FITTINGS - L.F.	4015.00	\$162.00		\$650,430.00
70031 - FURNISH AND INSTALL 6-INCH WATER VALVE - EACH	13.00	\$3,058.00		\$39,754.00
70032 - FURNISH AND INSTALL 8-INCH WATER VALVE - EACH	12.00	\$4,000.00		\$48,000.00
70034 - FURNISH AND INSTALL 12-INCH WATER VALVE - EACH	13.00	\$6,690.00		\$86,970.00
70040 - FURNISH, INSTALL AND SALVAGE HYDRANT - EACH	8.00	\$7,020.00		\$56,160.00
70053 - REPLACE 1-INCH COPPER SERVICE LATERAL - EACH	9.00	\$4,680.00		\$42,120.00
70056 - RECONNECT 1-INCH SERVICE LATERAL - EACH	12.00	\$1,910.00		\$22,920.00
70111 - FURNISH AND INSTALL ANODE - EACH	6.00	\$265.00		\$1,590.00
70080 - CUT-IN OR CONNECT TO EXISTING WATER SYSTEM - EACH	19.00	\$7,635.00		\$145,065.00
70082 - CUT OFF EXISTING WATER MAIN - EACH	2.00	\$2,455.00		\$4,910.00
70090 - ABANDON WATER VALVE BOX - EACH	30.00	\$120.00		\$3,600.00
70091 - ABANDON WATER VALVE ACCESS STRUCTURE - EACH	1.00	\$787.00		\$787.00
70101 - FURNISH AND INSTALL STYROFOAM - EACH	16.00	\$146.00		\$2,336.00
90001 - TEMPORARY ASPHALT PAVEMENT (UNDISTRIBUTED) - S.Y.	100.00	\$49.40		\$4,940.00
90002 - MODIFIED 4-INCH TYPE "A" CONCRETE CURB & GUTTER - L.F.	790.00	\$24.50		\$19,355.00
90003 - PEDESTRIAN DIRECTIONAL FIELD - EACH	518.00	\$110.00		\$56,980.00
90004 - RECONSTRUCT CATCH BASIN TO SAS CASTING - EACH	1.00	\$4,176.00		\$4,176.00
90005 - FURNISH & INSTALL POLE ALUMINUM 20-FT STREET LIGHT (BLACK) - EACH	6.00	\$2,272.00		\$13,632.00
90006 - FURNISH & INSTALL STREET LIGHT LUMINAIRE TYPE 1 - EACH	9.00	\$1,515.00		\$13,635.00
90007 - FURNISH & INSTALL STREET LIGHTING CABINET - EACH	1.00	\$8,585.00		\$8,585.00
143 Items	Totals			\$4,623,842.18

SECTION G: BID BOND

LET ALL KNOW BY THESE DOCUMENTS PRESENTED, THAT Principal and Surety, as identified below, are held and firmly bound unto the City of Madison, (hereinafter referred to as the "Obligee"), in the sum of five per cent (5%) of the amount of the total bid or bids of the Principal herein accepted by the Obligee, for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

The conditions of this obligation are such that, whereas the Principal has submitted, to the City of Madison a certain bid, including the related alternate, and substitute bids attached hereto and hereby made a part hereof, to enter into a contract in writing for the construction of:

PFLAUM ROAD RESURFACING ASSESSMENTS DISTRICT - 2025 CONTRACT NO. 8747

1. If said bid is rejected by the Obligee, then this obligation shall be void.
2. If said bid is accepted by the Obligee and the Principal shall execute and deliver a contract in the form specified by the Obligee (properly completed in accordance with said bid) and shall furnish a bond for his/her faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said bid, then this obligation shall be void.

If said bid is accepted by the Obligee and the Principal shall fail to execute and deliver the contract and the performance and payment bond noted in 2. above executed by this Surety, or other Surety approved by the City of Madison, all within the time specified or any extension thereof, the Principal and Surety agree jointly and severally to forfeit to the Obligee as liquidated damages the sum mentioned above, it being understood that the liability of the Surety for any and all claims hereunder shall in no event exceed the sum of this obligation as stated, and it is further understood that the Principal and Surety reserve the right to recover from the Obligee that portion of the forfeited sum which exceed the actual liquidated damages incurred by the Obligee.

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

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.

Seal PRINCIPAL

S&L Underground, Inc.

Name of Principal

Ben Larrabee

By

Ben Larrabee, President

Name and Title



Date

5/21/2026

Seal SURETY

Granite Re, Inc.

Name of Surety

Samuel Duchow

By

May 19, 2026

Date

Samuel Duchow, Attorney-in-Fact

Name and Title

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under National Provider No. 20082843 for the year 2026, and appointed as attorney in fact with authority to execute this bid bond and the payment and performance bond referred to above, which power of attorney has not been revoked.

May 19, 2026

Date

Samuel Duchow

Agent Signature

2920 Enloe Street

Address

Hudson, WI 54016

City, State and Zip Code

800-535-0006

Telephone Number

NOTE TO SURETY & PRINCIPAL

The bid submitted which this bond guarantees shall be rejected if the following instrument is not attached to this bond:

Power of Attorney showing that the agent of Surety is currently authorized to execute bonds on behalf of the Surety, and in the amounts referenced above.

GRANITE RE, INC.
GENERAL POWER OF ATTORNEY

Know all Men by these Presents:

That GRANITE RE, INC., a corporation organized and existing under the laws of the State of MINNESOTA and having its principal office at the City of OKLAHOMA CITY in the State of OKLAHOMA does hereby constitute and appoint:

MICHAEL J. DOUGLAS; CHRIS STEINAGEL; CHRISTOPHER M. KEMP; KARLA HEFFRON; SAMUEL DUCHOW; ROBERT DOWNEY; JULIA DOUGLAS; CONNIE SMITH; KORY MORTEL; ELIOT MOTU; WILLIAM FRAZIER its true and lawful Attorney-in-Fact(s) for the following purposes, to wit:

To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said GRANITE RE, INC. a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said GRANITE RE, INC. through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said:

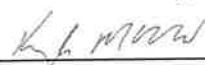
MICHAEL J. DOUGLAS; CHRIS STEINAGEL; CHRISTOPHER M. KEMP; KARLA HEFFRON; SAMUEL DUCHOW; ROBERT DOWNEY; JULIA DOUGLAS; CONNIE SMITH; KORY MORTEL; ELIOT MOTU; WILLIAM FRAZIER may lawfully do in the premises by virtue of these presents.

In Witness Whereof, the said GRANITE RE, INC. has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its President and Assistant Secretary, this 31st day of July, 2023.

STATE OF OKLAHOMA)
) SS:
COUNTY OF OKLAHOMA)





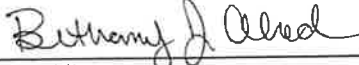
Kenneth D. Whittington, President


Kyle P. McDonald, Assistant Secretary

On this 31st day of July, 2023, before me personally came Kenneth D. Whittington, President of the GRANITE RE, INC. Company and Kyle P. McDonald, Assistant Secretary of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said, that they, the said Kenneth D. Whittington and Kyle P. McDonald were respectively the President and the Assistant Secretary of GRANITE RE, INC., the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so fixed by order of the Board of Directors of said corporation, and that they signed their name thereto by like order as President and Assistant Secretary, respectively, of the Company.

My Commission Expires:
April 21, 2027
Commission #: 11003620





Notary Public

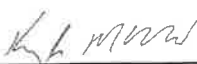
GRANITE RE, INC.
Certificate

THE UNDERSIGNED, being the duly elected and acting Assistant Secretary of Granite Re, Inc., a Minnesota Corporation, HEREBY CERTIFIES that the following resolution is a true and correct excerpt from the July 15, 1987, minutes of the meeting of the Board of Directors of Granite Re, Inc. and that said Power of Attorney has not been revoked and is now in full force and effect.

"RESOLVED, that the President, any Vice President, the Assistant Secretary, and any Assistant Vice President shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the Company in the course of its business. On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the Company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

IN WITNESS WHEREOF, the undersigned has subscribed this Certificate and affixed the corporate seal of the Corporation this
19th day of May, 2026.





Kyle P. McDonald, Assistant Secretary

SECTION H: AGREEMENT

THIS AGREEMENT made this 16th day of July in the year Two Thousand and Twenty Six between **S&L Underground, Inc.** hereinafter called the Contractor, and the City of Madison, a Wisconsin municipal corporation, hereinafter called the City.

WHEREAS, the Common Council of the City of Madison ("Council") under the provisions of a resolution adopted on **Jun 23, 2026** and by virtue of authority vested in the Council, has awarded to the Contractor the work of performing certain public 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 Agreement; 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:

Pflaum Road Resurfacing Assessments District - 2025 CONTRACT NO. 8747

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 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 SIX HUNDRED TWENTY THREE THOUSAND EIGHT HUNDRED FORTY TWO AND 18/100 (\$4,623,842.18)** Dollars being the amount bid by such Contractor and which was awarded as provided by law.
4. **A. Non-Discrimination.** During the term of 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.

B. Affirmative Action. 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, shall be provided to the City by the opening date of advertisement and with sufficient time for the City to notify candidates and make a timely referral. The Contractor agrees to interview and consider candidates referred by the Affirmative Action Division, or an organization designated by the 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 ensure 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 affirmation 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 or 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 ten thousand dollars (\$10,000), 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)(l), 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.

7. **Choice of Law and Forum Selection.** This Contract shall be governed by and construed, interpreted and enforced in accordance with the laws of the State of Wisconsin. The parties agree, for any claim or suit or other dispute relating to this Contract that cannot be mutually resolved, the

venue shall be a court of competent jurisdiction within the State of Wisconsin and the parties agree to submit themselves to the jurisdiction of said court, to the exclusion of any other judicial district that may have jurisdiction over such a dispute according to any law.

8. **Counterparts, Electronic Signature, and Delivery.** This Contract may be signed in counterparts, each of which shall be taken together as a whole to comprise a single document. Signatures on this Contract may be exchanged between the parties by facsimile, electronic scanned copy (.pdf) or similar technology and shall be as valid as original; and this Contract may be converted into electronic format and signed or given effect with one or more electronic signature(s) if the electronic signature(s) meets all requirements of Wisc. Stat. ch 137 or other applicable Wisconsin or Federal law. Executed copies or counterparts of this Contract may be delivered by facsimile or email and upon receipt will be deemed original and binding upon the parties hereto, whether or not a hard copy is also delivered. Copies of this Contract, fully executed, shall be as valid as an original.

Pflaum Road Resurfacing Assessments District - 2025

CONTRACT NO. 8747

IN WITNESS WHEREOF, the Contractor has hereunto set his/her hand and seal and the City has caused this contract to be executed by its Mayor and City Clerk on the dates written below.

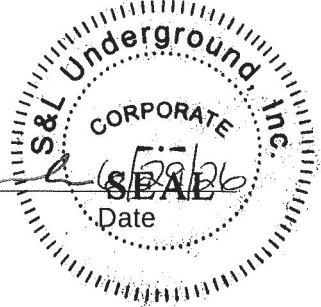
Countersigned:

S&L Underground, Inc.

Company Name

Erika Scola 6/29/2026
Witness Date

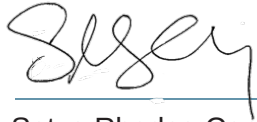
B. Z. Z. 6/29/26
President Date



Erika Scola 6/29/2026
Witness Date

Dawson 6/29/26
Secretary Date

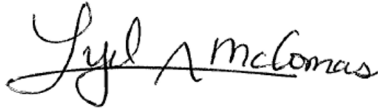
CITY OF MADISON



Satya Rhodes-Conway, Mayor

07/16/2026

Date



Lydia A. McComas, City Clerk

07/13/2026

Date

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

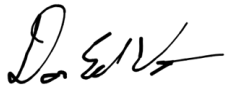


David P. Schmiedicke, Finance Director

07/15/2026

Date

Approved as to form:



for Michael Haas, City Attorney

07/16/2026

Date

Execution of this Agreement by City was authorized by Resolution Enactment No. RES-26-00352, ID No. 93396, adopted by the Common Council of the City of Madison on June 23, 2026.

SECTION I: PAYMENT AND PERFORMANCE BOND

LET ALL KNOW BY THESE DOCUMENTS PRESENTED, that we **S&L Underground, Inc.** as principal, and

Granite Re, Inc. Company of Oklahoma as surety, are held and firmly bound unto the City of Madison, Wisconsin, in the sum of **FOUR MILLION SIX HUNDRED TWENTY THREE THOUSAND EIGHT HUNDRED FORTY TWO AND 18/100 (\$4,623,842.18)** 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:

Pflaum Road Resurfacing Assessments District - 2025
CONTRACT NO. 8747

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 effort.

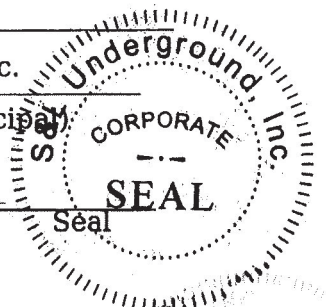
Signed and sealed this 24th day of June, 2026

Countersigned:

S&L Underground, Inc.

Company Name (Principal)

B. 22
 President



Erika Loula
 Witness

Dawasee
 Secretary

Granite Re, Inc.

Surety

Seal

☐ Salary Employee ☐ Commission

By Eliot Motu
 Attorney-in-Fact, Eliot Motu

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under National Producer Number 19354385 for the year 2026, and appointed as attorney-in-fact with authority to execute this payment and performance bond which power of attorney has not been revoked.

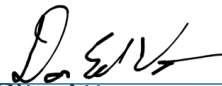
June 24th, 2026
 Date

Eliot Motu
 Agent Signature Eliot Motu

The foregoing Bond has been approved as to form:

07/16/2026

Date


for City Attorney

GRANITE RE, INC.
GENERAL POWER OF ATTORNEY

Know all Men by these Presents:

That GRANITE RE, INC., a corporation organized and existing under the laws of the State of MINNESOTA and having its principal office at the City of OKLAHOMA CITY in the State of OKLAHOMA does hereby constitute and appoint:

MICHAEL J. DOUGLAS; CHRIS STEINAGEL; CHRISTOPHER M. KEMP; KARLA HEFFRON; SAMUEL DUCHOW; ROBERT DOWNEY; JULIA DOUGLAS; CONNIE SMITH; KORY MORTEL; ELIOT MOTU; WILLIAM FRAZIER its true and lawful Attorney-in-Fact(s) for the following purposes, to wit:

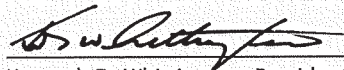
To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said GRANITE RE, INC. a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said GRANITE RE, INC. through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said:

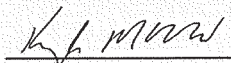
MICHAEL J. DOUGLAS; CHRIS STEINAGEL; CHRISTOPHER M. KEMP; KARLA HEFFRON; SAMUEL DUCHOW; ROBERT DOWNEY; JULIA DOUGLAS; CONNIE SMITH; KORY MORTEL; ELIOT MOTU; WILLIAM FRAZIER may lawfully do in the premises by virtue of these presents.

In Witness Whereof, the said GRANITE RE, INC. has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its President and Assistant Secretary, this 31st day of July, 2023.

STATE OF OKLAHOMA)
) SS:
COUNTY OF OKLAHOMA)



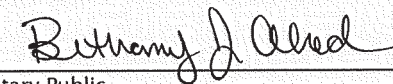

Kenneth D. Whittington, President


Kyle P. McDonald, Assistant Secretary

On this 31st day of July, 2023, before me personally came Kenneth D. Whittington, President of the GRANITE RE, INC. Company and Kyle P. McDonald, Assistant Secretary of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said, that they, the said Kenneth D. Whittington and Kyle P. McDonald were respectively the President and the Assistant Secretary of GRANITE RE, INC., the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so fixed by order of the Board of Directors of said corporation, and that they signed their name thereto by like order as President and Assistant Secretary, respectively, of the Company.

My Commission Expires:
April 21, 2027
Commission #: 11003620




Notary Public

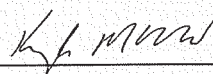
GRANITE RE, INC.
Certificate

THE UNDERSIGNED, being the duly elected and acting Assistant Secretary of Granite Re, Inc., a Minnesota Corporation, HEREBY CERTIFIES that the following resolution is a true and correct excerpt from the July 15, 1987, minutes of the meeting of the Board of Directors of Granite Re, Inc. and that said Power of Attorney has not been revoked and is now in full force and effect.

"RESOLVED, that the President, any Vice President, the Assistant Secretary, and any Assistant Vice President shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the Company in the course of its business. On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the Company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

IN WITNESS WHEREOF, the undersigned has subscribed this Certificate and affixed the corporate seal of the Corporation this
24th day of June, 2020.




Kyle P. McDonald, Assistant Secretary