

\$1,255,600.00

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

2024

PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS

FOR

COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION

CONTRACT NO. 9486

MUNIS NO. 14921

IN

MADISON, DANE COUNTY, WISCONSIN

AWARDED BY THE COMMON COUNCIL
MADISON, WISCONSIN ON OCTOBER 8, 2024

CITY ENGINEERING DIVISION
1600 EMIL STREET
MADISON, WISCONSIN 53713

<https://bidexpress.com/login>

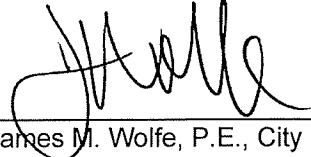
**COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION
CONTRACT NO. 9486**

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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: ec

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:	COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION
CONTRACT NO.:	9486
SBE GOAL	6%
BID BOND	5%
SBE PRE BID MEETING (2:00 P.M.)	8/22/24
PREQUALIFICATION APPLICATION DUE (2:00 P.M.)	8/22/24
BID SUBMISSION (2:00 P.M.)	8/29/24
BID OPEN (2:30 P.M.)	8/29/24
PUBLISHED IN WSJ	8/15 & 8/22/24

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 Alane Boutelle at (608) 267-1197, or John Fahrney at (608) 266-9091.

STANDARD SPECIFICATIONS

The City of Madison's Standard Specifications for Public Works Construction - 2024 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
 250 Landscaping, Site and Street
 251 Parking Ramp Maintenance
 252 Pavement Marking
 255 Pavement Sealcoating and Crack Sealing
 260 Petroleum Above/Below Ground Storage Tank Removal/Installation
 262 Playground Installer

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

Bridge Construction

- 501 Bridge Construction and/or Repair

Building Construction

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

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

State of Wisconsin Certifications

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

SECTION B: PROPOSAL

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

You can access all City of Madison bid solicitations for FREE at www.bidexpress.com

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

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

SECTION C: SMALL BUSINESS ENTERPRISE

Instructions to Bidders City of Madison SBE Program Information

2 Small Business Enterprise (SBE) Program Information

2.1 Policy and Goal

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2.2 Contract Compliance

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

2.3 Certification of SBE by City of Madison

The Affirmative Action Division maintains a directory of SBEs which are currently certified as such by the City of Madison. Contact the Contract Compliance Officer as indicated in Section 2.2 to receive a copy of the SBE Directory or you may access the SBE Directory online at <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

COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION CONTRACT NO. 9486

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 \$75,500 for a single trade contract; or equal to or greater than \$369,500 for a multi-trade contract pursuant to MGO 33.07(7).

ARTICLE 104 SCOPE OF WORK

This project will replace and upsize sanitary sewer along the Commercial Avenue service roads on both the north and south sides of State of Wisconsin Highway 30 (Highway 30) and along North Fair Oaks Avenue. The work under this contract shall include, but is not limited to, installation of sanitary sewer main (open trench and bore & jack methods), lateral reconnections, and asphalt pavement patching.

The project limits for the work are:

- North Fair Oaks Avenue, from the State of Wisconsin Highway 30 exit ramp to the Northern Commercial Avenue service road (approximately 130 linear feet).
- Northern Commercial Avenue service road, from North Fair Oaks Avenue to Jacobson Avenue (approximately 720 linear feet).
- Southern Commercial Avenue service road from Jacobson Avenue to near the WSOR railroad tracks to the west (approximately 590 linear feet).

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 104.4 INCREASED OR DECREASED QUANTITIES

The Contractor shall note that some bid item quantities may increase or decrease based on what is encountered in the field. If the actual field conditions vary from the plan quantity, no additional compensation shall be given for increasing or decreasing quantities. Any overruns shall be paid for under the appropriate bid item(s) without any penalty or change to the bid price for the associated bid item. The Contractor shall not be reimbursed for any deletions to the contract. No change to the unit bid price will be allowed for changes to the quantities.

SECTION 105.12 COOPERATION BY THE CONTRACTOR

It is also expected that certain items of work, especially the asphalt paving, will require multiple mobilizations to meet the requirements of the traffic control and coordination specifications.

Archaeology

If artifacts or human remains are found during the course of construction, all work must halt and the contractor shall contact the Wisconsin State Historical Society at (608) 264-6013 or compliance@wisconsinhistory.org

Existing Items to Remain

The Contractor shall use care around existing trees, plantings, walls, steps, public art, signs, utilities and any other structures or amenities that are indicated on the plans to remain. The Contractor shall protect all items that are to remain and shall immediately clean off any residue from adjacent construction activities.

No trees or shrubs shall be cut without the approval of the Engineer; if tree or shrub cutting is determined to be necessary, the abutting property owners shall be notified in accordance with the City's Administrative Procedure Memorandum No. 6-2. The Contractor shall not store materials or equipment within in 6 ft. of any existing tree that is to remain.

Coordination with Utilities

This project may require close coordination with private utility companies. There are several existing utilities located within the project limits that are to remain. Several of these facilities are old and will require care when working near them. Of particular note is an existing AT&T overhead pole located near SAS #2 on South Commercial Avenue that may require bracing during sanitary sewer construction (see accompanying plan set). If pole bracing is found to be needed, the Contractor shall coordinate these activities directly with AT&T.

The Contractor will be responsible for coordination and providing work space for any conflict resolution work that will need to be performed by the private utility companies, and work on the sanitary sewer may require some relocation work by the utilities. The existing manholes for several of the facilities within the project limits are large, and the approximate size of these structures is shown on the plans. The Contractor shall coordinate with all utilities for any structure adjustments. Provide a minimum of 1 week notice prior to needing structure adjustments.

Coordination with Madison Metropolitan Sewerage District (MMSD)

The Contractor shall contact Ray Schneider with MMSD, (608) 347-3628 or rays@madsewer.org, 5 days prior to doing any work to MMSD manhole structures or sewer main to arrange for permitting and inspection.

Coordination with Town of Blooming Grove

The Contractor shall contact Mike Wolf with Town of Blooming Grove, 608-223-1104 or bgadmin@blmgrove.com, 3 days prior to the temporary removal of the swinging gate located on the southern Commercial Avenue service road and to seek acceptance of the reinstalled gate following completion of sanitary sewer construction in the area. See Bid Item 90005 - TEMPORARILY REMOVE GATE AND REINSTALL.

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.

Message boards shall be placed ten (10) days prior to all closures and traffic changes for each stage. One for each direction of travel on North Fair Oaks Avenue.

Message boards shall read the following:

“ _____ WORK BEGINS (day of week, month/date), expect traffic changes.”

North Fair Oaks Avenue shall maintain two-way traffic at all times with the temporary removal of the median on North Fair Oaks Avenue near Commercial Avenue. Maintain access to driveways at all times and sidewalk on both sides of Fair Oaks as much as possible.

Commercial Avenue (north) east of North Fair Oaks Avenue shall be closed to through traffic but allow local traffic only. Maintain access to all driveways and sidewalks.

Commercial Avenue (south) east of North Fair Oaks Avenue shall maintain eastbound traffic to the Highway 30 eastbound on-ramp at all times. The rest of Commercial Avenue (south) east of the Highway 30 eastbound on-ramp may be closed to through traffic and allow for local traffic only. Maintain access to all driveways and sidewalks.

The Contractor shall maintain traffic to the Highway 30 eastbound and westbound on-ramps at all times. The Contractor shall also maintain traffic to the Highway 30 westbound off-ramp at all times except if ramp closure is necessary during construction activities on North Fair Oaks Avenue. Based on correspondence with WisDOT, the westbound Highway 30 off-ramp may be closed **for up to 14 consecutive calendar days**, but closure is subject to final review and permitting approval from WisDOT. Contact the WisDOT contacts for this project, Noah Dufoe-Guiles (noah.dufoeguiles@dot.wi.gov) and Lee Gibbs (lee.gibbs@dot.wi.gov), with questions. See Section 108.2 of these Special Provisions (Permits) for more information about WisDOT permitting for this project.

Work with local businesses on alternate access when driveways are blocked.

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, jersey barrier 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.

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. Contractor shall display all signing so as to be easily viewed by all users. Contractor shall mount traffic control on posts or existing poles or drive posts whenever possible. Existing poles may be used with approval of Construction Engineer. 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 sidewalk to cure. Maintaining Sidewalk is considered incidental to the contract.

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 John Villareal with the City of Madison Parking Utility (608-267-8756) at least 3 working days prior to needing the signs. Contractor shall post signs in accordance with the City of Madison Police Department Guidelines for temporary no parking restrictions for construction or special events. The guidelines can be found at the link listed below. This shall be considered incidental to the traffic control lump sum bid item.

http://www.cityofmadison.com/business/pw/documents/guidelines_temporarynoparkingrestrictions.pdf

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.

SECTION 108.2 PERMITS

The City of Madison will obtain a City of Madison Erosion Control Permit and a Dane County Erosion Control Permit for this project. The Contractor shall meet the conditions of the permits by properly installing and maintaining the erosion control measures shown on the plans, specified in these Special Provisions, or as directed by the Construction Engineer or his designees. This work will be paid for under the appropriate contract bid items or, if appropriate items are not included in the contract, shall be paid for as Extra Work. Copies of the permits are available at the City of Madison, Engineering Division office. The City of Madison will also submit a WDNR Sanitary Sewer Submittal for this project.

The City of Madison Erosion Control Permit covers trench dewatering to a maximum of 70 gallons/minute from the project, provided appropriate control measures are in place. If the Contractor chooses to dewater the site with points/wells with total pump rates equal to or greater than 70 gpm (i.e. Type II Dewatering), the Contractor shall obtain a permit for installation of groundwater control well/s from the Wisconsin Department of Natural Resources (WDNR) in accordance with paragraph 144.025(2)(e), Wisconsin Statutes. Type II Dewatering shall be paid under bid item 50202.

The City's obtaining these permits 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, including those listed in the following paragraphs.

The Contractor shall be responsible for obtaining WisDOT Permit DT1553 - Application/Permit to Construct, Operate and Maintain Utility Facilities on Highway Right-of-Way, on behalf of the City, to complete this work. This permit covers sewer construction on WisDOT right-of-way and work on North Fair Oaks Avenue that encroaches on the State of Wisconsin Highway 30 (Highway 30) exit ramp. The Contractor shall also be responsible for obtaining any other WisDOT permits necessary to complete the work. Contact the WisDOT contacts for this project, Noah Dufoe-Guiles (noah.dufoeguiles@dot.wi.gov) and Lee Gibbs (lee.gibbs@dot.wi.gov), for coordination of the work and questions about permit WisDOT requirements for this project.

The Contractor shall provide the City with completed WisDOT permit applications for review and signatures (as needed) prior to submittal. The Contractor shall be responsible for paying any fees associated with obtaining WisDOT permits for this project and for coordination with WisDOT to complete work related to these permits.

The Contractor shall be also responsible for applying for, obtaining, and paying the fee of Madison Metropolitan Sewerage District (MMSD) Sewer Direct Connection Permits needed for this project. The Contractor shall follow all MMSD permit requirements with this proposed work to their facilities. The Contractor shall contact Curt Sauser with MMSD, (608) 709-1830 or curts@madsewer.org, to coordinate obtaining and completing the permit. MMSD confirmed that 1 permit (total) will be required for all of the proposed work to the MMSD facilities on this project (\$1,650 total - 2024 rate). Permit and fees for this work is the responsibility of the Contractor.

The Contractor shall be responsible be required to submit a "Permit for Utility Construction in the Town of Blooming Grove's Right-of-Way". The permit application form can be provided upon request. The Town of Blooming Grove will waive the permit fee.

SECTION 109.2 PROSECUTION OF THE WORK

The work under this contract shall be completed in **Two Phases**.

Phase One shall consist of all work from SAS #1 (the downstream connection to MMSD sanitary sewer main) to SAS #6 (the connection to existing City sanitary sewer main on Jacobson Avenue). All work on **Phase One** shall be completed by the interim completion date of **MAY 2, 2025**.

Phase Two shall consist of all work from SAS #6 to SAS #12 (the connection to existing City sanitary sewer main on North Fair Oaks Avenue). All work on **Phase Two** shall be completed by the overall completion date of **JUNE 30, 2025**.

In accordance with the Section 107.7 of these Special provisions (Maintenance of Traffic), the Highway 30 westbound off-ramp onto North Fair Oaks Avenue may be closed for **up to 14 consecutive calendar days**. No time extensions will be granted to this duration. Failure to complete all work within the specific time frame will result in liquidated damages being assessed in the amount of \$1,000 per day, consistent with Section 109.9 of the City Standard Specifications (Liquidated Damages) for restricting traffic during peak hours on an arterial.

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

Work shall begin only after the contract is fully signed and executed and the start work letter is received. All work under this Contract is intended to occur in 2025. If it is desirable to begin work in 2024, the Contractor shall establish a mutually acceptable start and winter pause date with the City Engineer, and the agreed upon date must be determined prior to the preconstruction meeting. Depending on the status of contract routing, it may not be feasible to start work in 2024.

The Contractor shall notify the Engineer of their anticipated start date a minimum of 4 weeks prior to starting any work on this contract.

The Contractor shall limit workdays to 7:00 a.m. to 7:00 p.m. Monday – Saturday unless approved by the Engineer in writing. No work shall be allowed on holidays unless approved by the Engineer.

BID ITEM 20336 – PIPE PLUG

With regard to the City of Madison Standard Specifications for Public Works Construction 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 structures (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(c) STREET SWEEPING

When required, by either the erosion control plan or the Construction Engineer, the Contractor shall perform mechanical street sweeping on all streets or paved surfaces affected by construction equipment, hauling or related construction activities that result in mud tracking or siltation. Mechanical street sweeping shall be completed as directed by the Construction Engineer and shall remove 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 work day. Areas not accessible by mechanical street sweepers may require hand scraping with shovels.

ARTICLE 500 SEWER AND SEWER STRUCTURES GENERAL

The sewer designer for the project is Eric Cefalu. He may be contacted at (608) 243-5894 or ecefulu@cityofmadison.com.

SANITARY SEWER GENERAL

This project shall include installing approximately 1,338 feet of new 18" & 21" PVC PS46 sanitary sewer main. The project shall also include installing approximately 340 feet of new 20" AWWA C-900 DR-18 sanitary sewer main (paid under Bid Item 50326 – 21 Inch PVC Pressure Sanitary Sewer Pipe).

Approximately 235 feet of the new 21" PVC PS46 sanitary sewer will be installed across Highway 30 using bore and jack methods. 21" sanitary sewer installed across Highway 30 as called for on the plan set shall be payable under Bore & Jack Sanitary Sewer – 21-Inch (Bid Item 90001).

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 on abandoning laterals that are identified as Reconnects (Bid Item 50356) on the plans. 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.

BID ITEM 50390 – SEWER ELECTRONIC MARKERS

With regard 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 lateral reconnections, which only include the installation of a wye, a marker ball shall be installed directly above the wye connection to the main.

BID ITEM 50797 – EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL

The work under this item shall be in accordance with Article 507 of the Standard Specs. EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL shall be measured as each structure, and not as each joint as described in Article 507. All joints of a structure where external joint seals are called for shall have external joint seals installed in accordance with Article 507.

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.

This contract includes two additional undistributed ULOs to be performed at the direction of the City Inspector and Engineer.

BID ITEM 90001 – BORE & JACK SANITARY SEWER – 21-INCH

DESCRIPTION

This item includes all materials necessary to install 21" sanitary sewer main within steel casing pipes via trenchless bore and jack method. The item includes providing a steel casing pipe, sized to a minimum 42" diameter casing for a 21" sanitary sewer pipe. The steel casing pipe shall be adequately sized to allow for proper and complete installation of the carrier pipe to the elevations and slopes shown on the Plans. Oversizing of the casing pipe to allow for installation is at the discretion of the contractor and is included in this item.

The steel casing pipe shall meet the following requirements:

- ASTM specification A139 Grade B or AWWA specification C200.
- Outside diameter as specified by the contractor
- Not coated or cathodically protected, no hydrostatic testing required
- 0.6250" minimum for the 21" diameter carrier pipe
- Specified minimum yield strength, SMYS, of at least 35,000 psi

- New and unused pipe
- Straight and round pipe
- Beveled ends for butt welding

The two-piece stainless steel pipe spacers shall meet the following requirements:

- Stainless Steel Band
- 8-inches wide stainless steel with 2-inch wide glass reinforced polymer runners
- 14 Gauge (0.074") thickness
- 100 percent 304 Stainless Steel
- Polyvinylchloride (PVC) liner
- Thickness: 0.090-inches
- Hardness: Durometer "A" 85-90
- Dielectric Strength: 60,000 V min. (1/8" Surge Test), 58,000 V min. (Step-by-step test)
- Water Absorption: 1 percent maximum
- Functional Temperature Range: -40°F to 170°F
- Risers
- 10 Gauge (0.135") thickness
- 100% 304 Stainless Steel, MIG welded to the band
- Hardware
- 8-inch stainless steel band with 6 studs, 12 nuts and washers
- Threaded Studs: 5/16-inch - 18-inch x 2 1/2-inch 304 stainless steel or plated
- Hex Nuts: 5/16-inch hex nuts
- Washers: 5/16-inch SAE 2330

The 21" sanitary sewer carrier pipe shall conform to Article 503.2 (a) of the City of Madison Standard Specification for Public Works Construction - Latest Edition.

Sand or limestone screenings shall conform to Article 502.1 (d) of the City of Madison Standard Specification for Public Works Construction - Latest Edition.

The following documents shall be submitted to the City for approval prior to ordering of materials and the start of construction:

- Certificate of compliance for the steel casing pipe
- Pipe loading calculations for steel casing pipe
- Sieve analysis and material specification for sand or limestone screenings for filling of annular space between carrier pipe and casing pipe
- Sieve analysis and material specification for casing spacers
- Casing spacer design and layout plan
- Boring and receiving pits excavation and soil retention design and plan
- Site security plan
- Material data and design mix and methods for bulkheading the casing ends
- Design and mix for cementitious grout and installation plan for filling voids between casing pipe and surrounding soil

Boring and receiving pits shall be excavated in accordance with Article 201.2 of the City of Madison Standard Specifications for Public Works Construction-Latest Edition.

Trenchless construction shall be completed via dry auger boring and jacking. Water jacking for excavation of the soil is not allowed. The use of water to facilitate removal of spoil is permitted. At a minimum, extend trenchless construction to limits shown on the drawings. Trenchless limits may be extended at the contractor's discretion, and as approved by the City.

For casing pipe installation, the bore hole shall be excavated to match the outside diameter of the casing pipe. In soft, unstable soil, the auger shall be maintained within the casing pipe and not extended past the end of the casing to minimize creation of a void between the casing and surrounding soil. Voids between

Voids between casing pipe and surrounding soil shall be filled with cementitious grout installed under pressure.

Adjacent lengths of steel casing pipe shall be connected by continuous, circumferential, field butt welding in accordance with AWWA C206. Connections shall be provided that are both straight and true, and watertight in the existing groundwater conditions.

Contractor will be allowed to use wood blocking and/or pipe spacers to suspend the pipe in casing pipe to obtain the proper design slope. Both will be considered acceptable installation methods. The design slope will be verified by a City surveyor and if the slope is back-pitched or not at an acceptable slope, the Construction Engineer will require the pipe be adjusted.

Blocking Method:

Prior to installing pipe in the casing, a set of four wood blocks shall be strapped to both ends of the pipe five feet (5') from each end. The blocks shall be set so that the pipe does not touch the casing. Pipe joints shall be made outside of the casing. Sand or Pea gravel shall be washed or blown into the casing to the spring line of the pipe to provide bedding under the pipe.

Pipe Spacers Method:

Non-Centered stainless Steel spacers (PSI S8GN-2 http://www.pipelineseal.com/pdf_lit/csem&bg.pdf or approved equivalent) shall be installed in the casing pipe at varying to the new sewer main to set the sewer main to the desired slope. Spacers shall be installed in accordance with the manufacturer's specifications with maximum spacing of 8 feet.

Non-centered stainless steel pipe spacers shall be provided and installed in the casing pipe at regular intervals to the new sanitary sewer main joints to set the sewer main to the elevations and slopes shown on the plans. Pipe spacers shall be installed as recommended by the manufacturer, with a maximum spacing of 8 feet.

Carrier pipe shall be installed inside of the casing pipe to line and grade shown in the drawings. Casing spacers shall be installed at the approved distances. Annular space between the casing pipe and carrier pipe shall be filled with the approved material (sand or pea gravel).

The Contractor is solely responsible for any damage created by thrust and lateral earth pressures created by the installation process and for protecting existing utilities in or around the boring and receiving pit areas.

METHOD OF MEASUREMENT

BORE & JACK SANITARY SEWER – 21-INCH shall be measured in length, by the linear foot, acceptably completed. The measurement will be made on a straight line from one end of the steel casing pipe to the other, measured at the invert.

BASIS OF PAYMENT

BORE & JACK SANITARY SEWER – 21-INCH shall be measured as described above. Payment shall include compensation for furnishing all materials necessary to perform the work; excavation of the boring and receiving pits; site security; for installation of the steel casing pipe via trenchless bore and jack method, installation of the carrier pipe inside of the casing pipe with casing spacers as described, and filling of annular space between carrier pipe and casing pipe; for bulkheading of the finished installation; for backfilling excavations, disposal of excess materials, and restoration of the site; for protection or replacement of existing structures and utilities; and all labor, tools, equipment and incidentals necessary to complete the work.

BID ITEM 90002 – 6' DIA. SANITARY SAS

DESCRIPTION

This item includes all necessary work, materials, excavation, preparation, sawcut and removal of existing pipe, doweling, curing, and incidentals necessary to construct structures called out as 6-foot diameter sanitary SAS.

6' DIA SANITARY SAS structure shall be constructed in accordance with MMSD standard drawing SD-103 (see detail sheet D-1 of the Plans). The structure shall be watertight with the void between the structure and existing pipe shall be filled with a continuous waterstop strip around pipe and non-shrink grout. The watertight strip shall be Adeka p201 or Sikaswell S2 and shall be installed per manufacturer instruction.

The Contractor shall salvage the existing MMSD logo casting and adjustment rings from MMSD MH10-305 following the structure's removal for installation onto SAS #1 (i.e. the only 6-foot diameter SAS anticipated on this project). If additional adjustment rings are needed, the Contractor shall coordinate with MMSD (Ray Schneider) and additional rings will be supplied. The casting and adjustment rings shall be placed in accordance with MMSD Standard Detail SD-201 - see sheet D-1 of the accompanying plan set.

METHOD OF MEASUREMENT

6' DIA SANITARY SAS structure shall be measured as each completed unit. The contract price shall include furnishing all materials necessary to perform the work, including castings unless specified to include a salvaged casting; excavation; installation and removal of sheeting, shoring, and bracing; disposal of surplus material from the excavation; backfilling the excavation and compaction of the backfill material; preparation of the foundation; construction of the structure, including connections; cleaning out the structure; restoring the site; and all other work incidental to the installation of sanitary sewer access structures.

BASIS OF PAYMENT

6' DIA SANITARY SAS shall be measured as described above which shall be full payment for all work, materials, and incidentals required to complete the work in accordance with the description.

Payment will be contingent on acceptance of the installed 6' diameter structure(s) by MMSD.

BID ITEM 90003 – HEAVY WASTEWATER CONTROL

DESCRIPTION

Work under this bid item shall include wastewater control (bypass pumping of the sewer being replaced). Work shall be completed in accordance with Article 503.3 of the City of Madison Standard Specifications for Public Works Construction Latest Edition.

We are anticipating 390 gpm bypass being required based on the existing 10" sewer main running at approximately 75% capacity.

METHOD OF MEASUREMENT

HEAVY WASTEWATER CONTROL shall be measured by the Lump Sum acceptably completed.

BASIS OF PAYMENT

HEAVY WASTEWATER CONTROL measured as described, which will be paid at the contract unit price, which shall be full compensation for all materials, labor, equipment, and incidentals necessary to acceptably complete the work as set forth in the description.

BID ITEM 90004 –RELOCATE WATER LATERAL SERVICE (UNDISTRIBUTED)

DESCRIPTION

Work under this item shall include all labor, materials, and incidentals necessary to modify and relocate water lateral services as necessary to avoid conflicts with the proposed sanitary or storm sewer construction. This work shall include, but not limited to, installation of windows to go above or beneath the proposed sanitary or storm sewer, or offsets to go around the proposed sanitary or storm sewer. It is anticipated that the length of pipe to be relocated would be limited to the immediate crossing of the sanitary or storm sewer. The work will include new joints, piping matching existing size and material, valves and other materials to complete the work. Prior to construction, all ULOs and any necessary redesign shall be completed in order to avoid potential conflicts. All finished work must be inspected and approved by the Water Utility Construction Supervisor and shall conform to all relevant sections of the City of Madison Standards Specifications for Public Works Construction Latest Edition. This work shall include all labor, materials, excavation and disposal of materials and all incidentals necessary to perform the work.

Contact Jeff Belshaw (jbelshaw@madisonwater.org, (608) 261-9835 if water service relocation may be necessary for coordination.

METHOD OF MEASUREMENT

RELOCATE WATER LATERAL SERVICE shall be measured per each specific instance as identified in the field.

BASIS OF PAYMENT

RELOCATE WATER LATERAL SERVICE shall be paid for at the contract unit price, which shall be full compensation for all excavation, disposal of removed material, preparation of subgrade including subbase, furnishing materials, backfilling and trench restoration, insulation installation, fill, topsoil, and for all labor, tools, equipment and incidentals necessary to complete the work.

BID ITEM 90005 – TEMPORARILY REMOVE GATE AND REINSTALL

DESCRIPTION

Work under this bid item shall include the temporary removal of a swinging gate on the southern Commercial Avenue service road to allow for sanitary sewer construction in the area and the reinstallation of this gate or an equivalent gate once the work is completed. The gate lies within the Town of Blooming Grove right-of-way and shall be reinstalled to the Town's satisfaction.

It is assumed that the existing gate removed for this project can be reinstalled after sanitary sewer construction is complete. If the gate is damaged during removal and/or cannot be properly reinstalled, an equivalent gate shall be procured by the Contractor and installed at no expense to the City or the Town of Blooming Grove.

The Contractor shall contact Mike Wolf with Town of Blooming Grove, 608-223-1104 or bgadmin@blmgrove.com, 3 days prior to the temporary removal of the swinging gate to seek acceptance of the reinstalled gate.

METHOD OF MEASUREMENT

TEMPORARILY REMOVE GATE AND REINSTALL shall be measured as each completed unit.

BASIS OF PAYMENT

TEMPORARILY REMOVE GATE AND REINSTALL measured as described, which will be paid at the contract unit price, which shall be full compensation for all materials, labor, equipment, and incidentals necessary to acceptably complete the work as set forth in the description.

Payment will be contingent on acceptance of the reinstalled gate(s) by the Town of Blooming Grove.

BID ITEM 90006 – EXCAVATION AND HAULING OF CONTAMINATED SOIL

A.1 General

Petroleum and or cinder-contaminated soil may be encountered during excavation. This special provision describes excavating, loading, and hauling of contaminated soil to the Waste Management Madison Prairie or Deer Track Landfills. The City shall be responsible for all waste profiling and will provide a profile number to accompany each load to the landfill. The facility will be specified at the time of hauling, with a preference toward Madison Prairie Landfill, based on the quoted tipping rate. **Tipping fees shall be paid for by the City of Madison.** The closest WDNR-licensed landfills and bioremediation facilities that can treat or dispose of this soil is:

Waste Management Mad Prairie Landfill
6002 Nelson Road
Sun Prairie, WI 53590
608.837.9031
Contact: Brian Smith, 414.793.0232

Waste Management Deer Track Park Landfill
N6756 Waldmann Lane
Watertown, WI 53094
608.837.9031
Contact: Brian Smith, 414.793.0232

Work shall be performed in accordance with standard spec 205 and with pertinent parts of Chapters NR 700-754 of the Wisconsin Administrative Code, as supplemented herein. Per NR 718.07, a solid waste collection and transportation service-operating license is required under NR 502.06 for each vehicle used to transport contaminated soil.

A.2 Notice to the Contractor – Contaminated Soil Location(s)

Petroleum-contaminated soil may be encountered at the North Fair Oaks Avenue and Commercial Avenue Service Road intersection—across North Fair Oaks Avenue from the Brothers Three restaurant. Cinder or ash-contaminated soils may be encountered at the east end of the project, north of the stormwater ponds. If contaminated soils—based on unusual odor, presence of cinders, staining, etc.—are encountered anywhere on the project, notify the Environmental Consultant and Engineer. For more information regarding environmental contamination within the project limits, contact:

Brynn Bemis
City of Madison Engineering
210 Martin Luther King, Jr. Blvd., Rm 115
Madison, WI 53703
608.267.1986
bbemis@cityofmadison.com

A.3 Coordination

Coordinate work under this contract with the City of Madison Environment Consultant:

Brynn Bemis
210 Martin Luther King Jr. Blvd., Rm 115
Madison, WI 53703
608.267.1986
608.695.1385 (cell)
bbemis@cityofmadison.com

The role of the Environmental Consultant will be limited to:

1. Obtaining the necessary landfill profile if contamination is encountered.
2. Assisting with determining the location and limits of contaminated soil to be excavated based on soil analytical results, visual observations, and/or field screening instruments.
3. Collecting additional soil samples for laboratory analysis as needed.
4. Coordinating response measures for unknown contamination encountered.
5. Documenting that activities associated with management of contaminated soil are in conformance with the contaminated soil management methods for this project as specified herein.

If contamination is encountered, it may take up to 10 calendar days for the material to be profiled before it can be hauled to the landfill. During this time, contaminated soil shall be placed on a plastic sheet, covered in plastic (or some other impermeable material), and stockpiled at no additional cost to the City of Madison.

Provide at least a 14-calendar day notice of the preconstruction conference date to the environmental consultant. At the preconstruction conference, provide a schedule for all excavation activities in the areas of contamination to the environmental consultant. Also notify both the Environmental Consultant and Project Engineer at least three calendar days prior to commencement of excavation activities in each of the contaminated areas.

The environmental consultant will be responsible for obtaining the necessary landfill profile approval for contaminated soil. Do not transport materials offsite to a landfill for disposal without prior approval from the environmental consultant.

A.4 Health and Safety Requirements

Add the following to standard spec 107.1:

During excavation activities, there is a potential of encountering material contaminated with hazardous materials or petroleum-related products. Site workers taking part in activities that will result in the reasonable probability of exposure to safety and health hazards associated with hazardous materials shall have completed health and safety training that meets the Occupational Safety and Health Administration (OSHA) requirements for Hazardous Waste Operations and Emergency Response (HAZWOPER), as provided in 29 CFR 1910.120.

Prepare a site-specific Health and Safety Plan, and develop, delineate and enforce the health and safety exclusion zones for each contaminated site location as required by 29 CFR 1910.120. Submit the site-specific health and safety plan and written documentation of up-to-date OSHA training to the engineer prior to the start of work.

B (Vacant)

C Construction

Add the following to standard spec 205.3:

Control operations in the contaminated areas to minimize the quantity of contaminated soil excavated.

The environmental consultant may periodically evaluate soil excavated from contaminated areas to determine if the soil will require offsite disposal. The environmental consultant or Project Inspector will evaluate excavated soil based on field screening results, visual observations, and soil analytical results from previous environmental investigations. Assist the environmental consultant in collecting soil samples for evaluation using excavation equipment.

Directly load and haul soils designated by the environmental consultant for offsite disposal to the DNR approved landfill. The specific facility—WM Deer Track Park Landfill or WM Madison Prairie Landfill—will be determined at the time of hauling based on the landfill's tipping rate, with a preference for the Madison Prairie Landfill. Use loading and hauling practices that are appropriate to prevent any spills or releases of contaminated soils or residues. If contaminated soil must be stored overnight on site, it shall be placed on a plastic sheet and covered in plastic, or some other impermeable material.

Prior to transport, sufficiently dewater soils designated for off-site bioremediation so as not to contain free liquids.

D Measurement and Payment

The department will measure Excavation and Hauling of Contaminated Soil in tons of waste, documented by the weight tickets generated by the selected landfill. **The landfill tipping fees will be paid for directly by the City of Madison.**



Department of Public Works
Engineering Division
James M. Wolfe, P.E., City Engineer

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210 Martin Luther King, Jr. Boulevard
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Assistant City Engineer
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Gregory T. Fries, P.E.
Chris Petykowski, P.E.

Deputy Division Manager
Kathleen M. Cryan

Principal Engineer 2
John S. Fahrney, P.E.
Janet Schmidt, P.E.

Principal Engineer 1
Mark D. Moder, P.E.
Fadi El Musa Gonzalez, P.E.
Andrew J. Zwiag, P.E.

Financial Manager
Steven B. Danner-Rivers

August 22, 2024

**NOTICE OF ADDENDUM
ADDENDUM 1
CONTRACT NO. 9486
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION**

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

CONTRACT DOCUMENTS:

Amend the contract documents to include the following items as appendices:

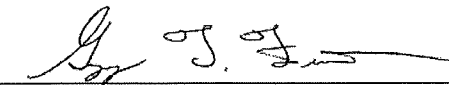
- 14921 Maps & Logs.pdf - Location map and soil boring logs completed for this project.
- 14051 Maps & Logs (reference).pdf – Location map and soil boring logs completed for a past City of Madison project nearby.

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

<http://www.bidexpress.com>

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

Sincerely,


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

JMW: EAC



Legend

☉ Denotes Boring Location



Scale: Reduced

Notes

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



Soil Boring Location Map
Commercial Ave at Jacobson Ave
Madison, WI

Date:

6/2024

Job No.

C24051-8



LOG OF TEST BORING

Project Commercial Ave. at Jacobson Ave. Sanitary
 (South) 145'E of Jacobson, 6'S of Centerline
 Location Madison, Wisconsin

Boring No. 1
 Surface Elevation (ft) 858.0
 Job No. C24051-8
 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
					X	3 in. Asphalt Pavement/5 in. Base Course				
1		14	M	26		FILL: Medium Dense Brown Sand with Silt, Gravel and Clay				
2		10	M	11						
3		12	M/W	5		Loose, Brown Fine to Medium SAND, Little Silt and Gravel (SP-SM)				
4		8	W	5						
5		10	W	15		Medium Dense to Loose, Brown Sandy SILT, Scattered Clay Seams (ML)				
6		18	W	8						
7		18	W	14						
End of Boring at 20 ft										
Backfilled with Bentonite Chips and Asphalt Patch										

WATER LEVEL OBSERVATIONS	GENERAL NOTES
While Drilling <u>∇ 7.0'</u> Upon Completion of Drilling _____ Time After Drilling _____ <u>1 Hour</u> Depth to Water _____ <u>8.2'</u> ∇ Depth to Cave in _____ <u>8.4'</u>	Start <u>6/3/24</u> End <u>6/3/24</u> Driller <u>ADC</u> Chief <u>KD</u> Rig <u>CME-55</u> Logger <u>LD</u> Editor <u>ESF</u> Drill Method <u>2.25" HSA; Autohammer</u>
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.	



LOG OF TEST BORING

Project Commercial Ave. at Jacobson Ave. Sanitary
 (North) 115'W of Jacobson, 12'N of Centerline
 Location Madison, Wisconsin

Boring No. 2
 Surface Elevation (ft) 858.0
 Job No. C24051-8
 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.	DEPTH (ft)	Rec (in.)	Moist	N		Depth (ft)	qu (qa) (tsf)	W	LL	PL	LOI
					0	4 in. Asphalt Pavement/8 in. Base Course					
1	8	M	8		8	Stiff, Brown and Gray (Mottled) Lean CLAY, Trace Sand and Gravel (CL)	(1.75)				
2	12	M/W	4		12	Loose to Very Loose, Brown Fine to Medium SAND, Little Silt and Gravel (SP-SM)					
3	16	W	16		16	Medium Dense, Brown Sandy SILT, Scattered Clay Seams (ML)					
4	26	W	26		26	Becoming Gray with Little to Some Clay Near 10'					
5	18	W	10		18	Medium Dense to Loose Near 11'					
6	18	W	12		18						
					15	End of Boring at 15 ft					
					20	Backfilled with Bentonite Chips and Asphalt Patch					
					25						

WATER LEVEL OBSERVATIONS

While Drilling ∇ 6.0' Upon Completion of Drilling _____
 Time After Drilling _____ 1 Hour
 Depth to Water _____ 5' ∇
 Depth to Cave in _____ 10'

GENERAL NOTES

Start 6/3/24 End 6/3/24
 Driller ADC Chief KD Rig CME-55
 Logger LD 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 Commercial Ave. at Jacobson Ave. Sanitary
 (North) 80'E of Fair Oaks, 12'N of Centerline
 Location Madison, Wisconsin

Boring No. 3
 Surface Elevation (ft) 861.0
 Job No. C24051-8
 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
					5 in. Asphalt Pavement/6 in. Base Course					
1	6	M	22		FILL: Medium Dense Dark Brown Clay with Silt, Sand and Gravel					
2	8	M	5		Soft to Medium Stiff, Brown Lean CLAY, Trace Sand and Gravel (CL; Possible Fill)	(0.5)				
3	10	M	20		Medium Dense to Dense, Brown Sandy SILT, Some Gravel, Scattered Clay Seams (ML)					
4	12	M	35							
5	16	W	13		Medium Dense to Loose, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
6	16	W	6							
					End of Boring at 15 ft					
					Backfilled with Bentonite Chips and Asphalt Patch					

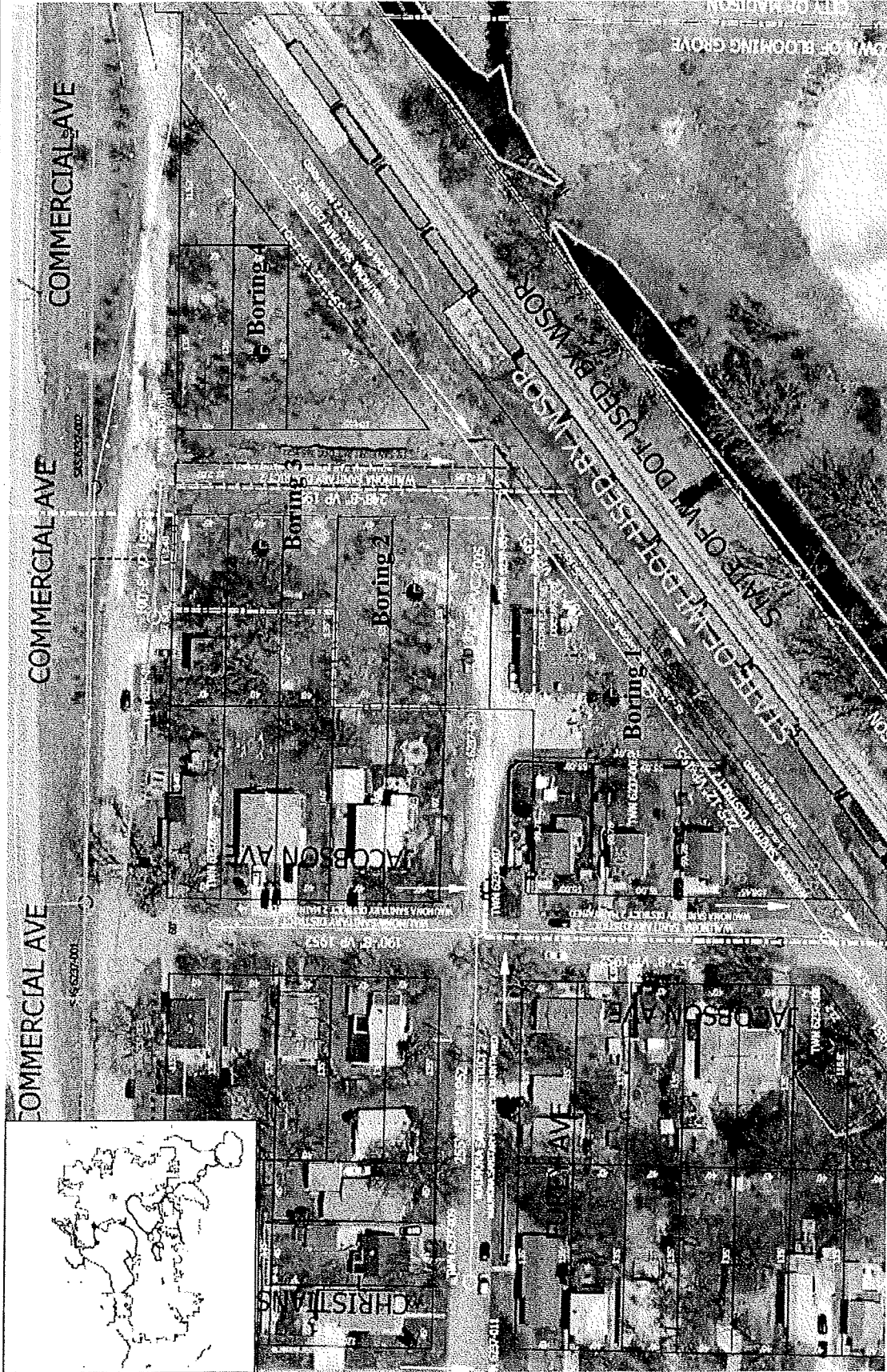
WATER LEVEL OBSERVATIONS

While Drilling ∇ 11.5' Upon Completion of Drilling _____
 Time After Drilling _____ 1 Hour
 Depth to Water _____
 Depth to Cave in _____ 4.5'

GENERAL NOTES

Start 6/3/24 End 6/3/24
 Driller ADC Chief KD Rig CME-55
 Logger LD Editor ESF
 Drill Method 2.25" HSA; Autohammer

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



Note: 1" = 100'

City of Madison, WI - GIS/Mapping data

Printed By: eniscs

Disclaimer: The City makes no representation about the accuracy of these records and shall not be liable for any damages

Scale: Reduced

- Legend**
- Denotes Boring Location and Number

Notes

1. Borings drilled by Badger State Drilling on November 5, 2014.
2. Base map provided by City of Madison Engineering Division.
3. Boring locations are approximate.

SOIL BORING LOCATION MAP
 Prop. Stormwater Management Area
 Furey Avenue & Jacobson Avenue
 Madison, WI

Job No.
 C14051-36

Date:
 12/2014

CGC, Inc.



LOG OF TEST BORING

Project Proposed Pond
Furey Avenue & Jacobson Avenue
 Location Madison, Wisconsin

Boring No. 1
 Surface Elevation (ft) 852.2
 Job No. C14051-36
 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
1		8	M	5	1 in. ± TOPSOIL FILL (OL) USDA: Fill - 10YR3/2 Silt Loam FILL: Loose, Brown/Light Gray Fine to Medium Sand, Some Silt and Gravel, Scattered Wood Debris USDA: Fill - 10YR5/4, 6/3 Sandy Loam					
2		6	M	8	USDA: Fill - 10YR5/4, 6/3 Sandy Loam					
3		14	M	4	Stiff, Gray/Brown (Mottled) Lean CLAY; Trace Sand and Organics, Scattered Sand Seams (CL) USDA: 10YR3/1 Silty Clay Loam (Redox C2F 10YR6/3)	(1.25)				
4		15	W	11	Stiff, Brown (Mottled) Lean CLAY; Trace Sand, Scattered Sand Seams (CL) USDA: 10YR6/4 Silty Clay Loam (Redox: C2F 10YR7/6)	(1.75)				
5		14	W	22	Medium Dense, Light Brown/Tan Sandy SILT (ML) USDA: 10YR6/3 Loam	(2.5)				
6		16	W	26	Medium Dense, Brown (Laminated) Sandy SILT (ML) & Lean CLAY (CL), Scattered Thin Sand Seams USDA: 10YR5/3 Loam & Silty Clay Loam					
7		18	W	20	Medium Dense, Light Brown Fine SAND; Little Silt, Scattered Silty Sand Seams (SP-SM) USDA: 10YR6/3 Loamy Fine Sand, Scattered Sandy Loam Seams					
8		18	W	18	Medium Dense, Light Brown Fine SAND; Little Silt, Scattered Silty Sand Seams (SP-SM) USDA: 10YR6/3 Loamy Fine Sand, Scattered Sandy Loam Seams					
9		16	W	19	Medium Dense, Light Brown Fine SAND; Little Silt, Scattered Silty Sand Seams (SP-SM) USDA: 10YR6/3 Loamy Fine Sand, Scattered Sandy Loam Seams					
10		16	W	25	Medium Dense, Light Brown Fine SAND; Little Silt, Scattered Silty Sand Seams (SP-SM) USDA: 10YR6/3 Loamy Fine Sand, Scattered Sandy Loam Seams					
					End of Boring at 25 ft Backfilled with Bentonite Chips					

WATER LEVEL OBSERVATIONS					GENERAL NOTES				
While Drilling	▽	8.5'	Upon Completion of Drilling	_____	Start	11/5/14	End	11/5/14	
Time After Drilling				3 hrs	Driller	BSD	Chief	JF	Rig CME-55
Depth to Water				5.5' ▼	Logger	MG	Editor	DAS	
Depth to Cave in				8.0'	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 Proposed Pond
 Location Furey Avenue & Jacobson Avenue
Madison, Wisconsin

Boring No. 2
 Surface Elevation (ft) 849.4
 Job No. C14051-36
 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
1		12	M	6	1 in. - 2 in. TOPSOIL FILL (OL) USDA: Fill - 10YR4/2 Silty Clay Loam	(1.5)				
2		12	M	13	Stiff, Brown (Mottled) Lean CLAY; Trace Sand (CL - Possible Fill in Upper Part of Layer) USDA: 5Y5/2 Silty Clay Loam (Redox: C2D 10YR6/6)					
3		12	W	13	Medium Dense, Brown (Laminated) Sandy SILT (ML) & Lean CLAY (CL); Scattered Thin Sand Seams USDA: 10YR5/3 Loam & Silty Clay Loam					
4		17	W	9	Medium Dense, Light Brown Fine SAND; Little Silt, Scattered Silty Sand Seams (SP-SM) USDA: 10YR6/3 Loamy Fine Sand, Scattered Sandy Loam Seams	(2.5)				
5		14	W	6	Very Stiff, Light Gray/Light Reddish Gray CLAY; Scattered Fine Sand Seams (CL) USDA: 7.5YR5/2, 10YR5/2 Silty Clay Loam					
6		18	W	14	Loose, Brown Silty Fine SAND; Scattered Silt Seams (SM) USDA: 10YR5/4 Sandy Loam, Scattered Silt Loam Seams					
7		18	W	11	Medium Dense, Light Brown Fine SAND; Trace to Little Silt (SP/SP-SM) USDA: 10YR6/3 Fine Sand	(1.0)				
8		10	W	10	Medium Dense, Light Gray (Laminated) Sandy SILT (ML) & Lean CLAY (CL); Scattered Thin Sand Seams USDA: 10YR6/3 Loam & Silty Clay Loam	(1.75)				
9		12	W	10	Stiff, Light Gray/Light Reddish Gray Lean CLAY; Scattered Thin Sand Seams (CL) USDA: 7.5YR5/2, 10YR5/2 Silty Clay Loam	(1.5)				
10		18	W	10	End of Boring at 25 ft Backfilled with Bentonite Chips	(1.75)				

WATER LEVEL OBSERVATIONS				GENERAL NOTES	
While Drilling	<u>▽ 6.0'</u>	Upon Completion of Drilling	<u> </u>	Start	<u>11/5/14</u> End <u>11/5/14</u>
Time After Drilling	<u> </u>		<u>1.5 hrs</u>	Driller	<u>BSD</u> Chief <u>JF</u> Rig <u>CME-55</u>
Depth to Water	<u> </u>		<u>4.5'</u> ▽	Logger	<u>MG</u> Editor <u>DAS</u>
Depth to Cave in	<u> </u>		<u>5.0'</u>	Drill Method	<u>2.25" HSA; Autohammer</u>
<small>The stratification lines represent the approximate boundary between soil types and the transition may be gradual.</small>					



LOG OF TEST BORING

Project Proposed Pond
Furey Avenue & Jacobson Avenue
 Location Madison, Wisconsin

Boring No. 3
 Surface Elevation (ft) 850.2
 Job No. C14051-36
 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
1		8	M	5	4 in. ± Clayey TOPSOIL FILL (OL) USDA: Fill - 10YR4/2 Sandy Clay Loam FILL: Loose to Medium Dense, Light Brown/Orange Brown Fine Sand, Trace to Little Silt USDA: Fill - 10YR6/3, 5/6 Loamy Sand					
2		14	W	11	Very Stiff, Brown (Mottled) Lean CLAY; Trace Sand, Scattered Sand Seams (CL) USDA: 10YR6/4 Silty Clay Loam (Redox: C2F 10YR7/6)	(3.25)				
3		14	W	20	Color changes to 10YR6/3 near 10 ft	(2.5)				
4		10	W	15	Medium Dense, Brown (Laminated) Sandy SILT (ML) & Lean CLAY (CL); Scattered Thin Sand Seams USDA: 10YR5/3 Loam & Silty Clay Loam	(2.5)				
5		12	W	20	Stiff, Light Gray Silty CLAY; Scattered Silt and Fine Sand Seams (CL-ML) USDA: 10YR6/2 Silty Clay, Scattered Silt Loam Seams	(1.5)				
6		8	W	10	Medium Dense, Gray SILT; Some Sand, Scattered Clay and Sand Seams (ML) USDA: 10YR6/2 Silt Loam	(2.75)				
7		10	W	16	Grades to sandy silt near 25 ft					
8		6	W	19	End of Boring at 25 ft Backfilled with Bentonite Chips					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ∇ 3.5' Upon Completion of Drilling _____
 Time After Drilling _____ 15 min.
 Depth to Water _____ 5.5' ∇
 Depth to Cave in _____ 6.0'

Start 11/5/14 End 11/5/14
 Driller BSD Chief JF Rig CME-55
 Logger MG Editor DAS
 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 Proposed Pond
 Location Furey Avenue & Jacobson Avenue
Madison, Wisconsin

Boring No. 4
 Surface Elevation (ft) 852.6
 Job No. C14051-36
 Sheet 1 of 1

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

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LI
1	10	M	7	4	4 in. ± Silty TOPSOIL FILL (OL) USDA: 10YR3/1 Silt Loam	(1.75)				
2	12	M	11	5	FILL: Stiff, Brown/Gray Lean Clay, Little to Some Sand, Trace Gravel and Organics, Scattered Cinders USDA: Fill - 10YR4/2 Silty Clay Loam					
3	18	M	9	9	FILL: Medium Dense, Black Silty Fine to Medium Sand and Cinders USDA: Fill - 10YR2/1 Sandy Loam and Cinders	(1.25)				
4	14	M	5	10	Medium Stiff to Stiff, Gray/Brown (Mottled) Lean CLAY; Trace Sand and Organics (CL) USDA: 10YR3/1 Silty Clay Loam (Redox: C2F 10YR6/3)	(0.5)				
5	14	M/W	9	11						
6	18	W	9	15	Loose, Light Gray Fine to Medium SAND; Trace to Little Silt, Trace Clay (SP/SP-SM) USDA: 10YR5/2 Loamy Sand	(1.75)				
7	12	W	17	17	Stiff to Very Stiff, Light Gray/Light Reddish Gray Lean CLAY; Scattered Thin Sand Seams (CL) USDA: 7.5YR5/2, 10YR5/2 Silty Clay Loam	(3.75)				
8	16	W	16	20		(3.5)				
9	14	W	18	22	Medium Dense, Light Brown Fine SAND; Trace to Little Silt (SP/SP-SM)					
10	18	W	21	25	USDA: 10YR6/3 Fine Sand					
End of Boring at 25 ft Backfilled with Bentonite Chips										

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling ∇ 12.5' Upon Completion of Drilling _____
 Time After Drilling _____ 4 hrs
 Depth to Water _____ 8.5' ▼
 Depth to Cave in _____ 14.0'

Start 11/5/14 End 11/5/14
 Driller BSD Chief JF Rig CME-55
 Logger MG Editor DAS
 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

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Deputy Division Manager
Kathleen M. Cryan

Principal Engineer 2
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Janet Schmidt, P.E.

Principal Engineer 1
Mark D. Moder, P.E.
Fadi El Musa Gonzalez, P.E.
Andrew J. Zwiag, P.E.

Financial Manager
Steven B. Danner-Rivers

August 26, 2024

**NOTICE OF ADDENDUM
ADDENDUM 2
CONTRACT NO. 9486
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION**

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

SPECIFICATIONS:

SECTION A: ADVERTISEMENT FOR BIDS AND INSTRUCTIONS TO BIDDERS

The prequalification bid submission/open dates shall be updated as follows:

PROJECT NAME:	COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION
CONTRACT NO.:	9486
SBE GOAL	6%
BID BOND	5%
SBE PRE BID MEETING	8/22/24
PREQUALIFICATION APPLICATION DUE (2:00 P.M.)	9/5/24
BID SUBMISSION (2:00 P.M.)	9/12/24
BID OPEN (2:30 P.M.)	9/12/24
PUBLISHED IN WSJ	8/15/24, 8/22/24, 8/29/24, & 9/5/24

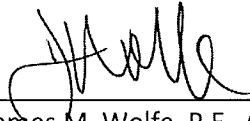
Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

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

<http://www.bidexpress.com>

If you are unable to download plan revisions associated with the addendum, please contact the Engineering

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Wolfe', written over a horizontal line.

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

JMW: EAC

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:	COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION
CONTRACT NO.:	9486
SBE GOAL	6%
BID BOND	5%
SBE PRE BID MEETING (2:00 P.M.)	8/22/24
PREQUALIFICATION APPLICATION DUE (2:00 P.M.)	9/5/24
BID SUBMISSION (2:00 P.M.)	9/12/24
BID OPEN (2:30 P.M.)	9/12/24
PUBLISHED IN WSJ	8/15, 8/22, 8/29 & 9/5/24

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 Alane Boutelle at (608) 267-1197, or John Fahrney at (608) 266-9091.

STANDARD SPECIFICATIONS

The City of Madison's Standard Specifications for Public Works Construction - 2024 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.



Department of Public Works
Engineering Division
James M. Wolfe, P.E., City Engineer

City-County Building, Room 115
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Principal Engineer 1
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Fadi El Musa Gonzalez, P.E.
Andrew J. Zwieg, P.E.

Financial Manager
Steven B. Danner-Rivers

September 6, 2024

**NOTICE OF ADDENDUM
ADDENDUM 3
CONTRACT NO. 9486
COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION**

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

PLANS:

Title:

- Project location map modified based on revised sanitary sewer design
- Notes added to summarize changes to other sheets

D-Sheets:

- Utility sheet note #7 added (D-2)
- Removed 21-inch pressure pipe note (D-2)

EC-Sheets:

- Bore and jack relocated east to Fairmont Ave., sanitary sewer design revised, EC-3A & EC-3B added, alignments and match lines revised accordingly (all EC-sheets)
- Erosion control BMP legend revised to include Type C Inlet Protection (all EC-sheets)
- Soil boring data added (all EC-sheets)
- Existing SAS 6236-005 abandonment note added (EC-2)
- Type C Inlet Protection used at Jacobson Ave. (north) instead of rigid frame inlet protection (EC-3 - EC-4)
- Restoration boundaries and notes revised (EC-3 - EC-6)
- South Commercial Ave. grinding and asphalt pavement work removed from plan (EC-5)
- Silt fence boundary near WSOR rail tracks revised (EC-6)

U-Sheets:

- Bore and jack relocated east to Fairmont Ave., sanitary sewer design revised, U-3A & U-3B added, alignments and match lines revised accordingly (all U-sheets)
- Utility sheet note #7 added (all U-sheets).
- Existing SAS 6236-005 abandonment note added (U-2).
- 21" RCP storm sewer removal replacement note revised, 12" RCP storm sewer removal note removed from plans and shall be incidental to sanitary sewer installation if needed (U-3 - U-4)
- North Commercial Ave. curb removal and replacement note revised (U-3 - U-4)
- Restoration boundaries and notes revised (U-3 - U-6)

- South Commercial Ave. grinding and asphalt pavement work removed from plan (U-5)
- Removed and replaced 21-inch pressure pipe note with SDR-26 note (U-5)
- Pole bracing note revised (U-6)

SECTION B: PROPOSAL

Items have been revised in the proposal. See Bid Express.

Action	Bid Item	Description
REVISED	20221	TOPSOIL
REVISED	20311	REMOVE SEWER ACCESS STRUCTURE
REVISED	20314	REMOVE PIPE (UNDISTRIBUTED)
ADDED	20326	REMOVE FENCE
REVISED	20331	ABANDON SEWER ACCESS STRUCTURE
REVISED	20336	PIPE PLUG
REMOVED	20701	TERRACE SEEDING
REVISED	20710	NO MOW TURF SEEDING
REVISED	21021	SILT FENCE - PROVIDE, INSTALL & MAINTAIN
REVISED	21049	INLET PROTECTION, RIGID FRAME - PROVIDE AND INSTALL
REVISED	21050	INLET PROTECTION RIGID FRAME - MAINTAIN
REVISED	21051	INLET PROTECTION RIGID FRAME - REMOVE
ADDED	21032	INLET PROTECTION TYPE C - PROVIDE & INSTALL
ADDED	21033	INLET PROTECTION TYPE C - MAINTAIN
ADDED	21034	INLET PROTECTION TYPE C - REMOVE
REVISED	30201	TYPE "A" CONCRETE CURB & GUTTER
REVISED	40301	FULL WIDTH GRINDING
REVISED	50211	SELECT FILL FOR STORM SEWER (UNDISTRIBUTED)
REVISED	50212	SELECT FILL FOR SANITARY SEWER
REVISED	50225	UTILITY TRENCH PATCH TYPE III
REVISED	50227	UTILITY TRENCH PATCH TYPE IV
ADDED	50303	12 INCH PVC SANITARY SEWER PIPE (SDR-26)
REVISED	50305	18 INCH PVC SANITARY SEWER PIPE
REVISED	50306	21 INCH PVC SANITARY SEWER PIPE
REMOVED	50326	21 INCH PVC PRESSURE SANITARY SEWER PIPE
REVISED	50356	RECONNECT

REVISED	50390	SEWER ELECTRONIC MARKERS
REMOVED	50401	12 INCH TYPE I RCP STORM SEWER PIPE (UNDISTRIBUTED)
REVISED	50499	CONCRETE COLLAR (UNDISTRIBUTED)
REVISED	50701	4' DIA. SANITARY SAS
REVISED	50702	5' DIA. SANITARY SAS
REVISED	50781	8 INCH SANITARY SEWER OUTSIDE DROP
REVISED	50791	SANITARY SEWER TAP
REVISED	50801	UTILITY LINE OPENING (ULO)
REMOVED	50802	CONCRETE SUPPORT
REVISED	90001	BORE & JACK SANITARY SEWER - 21-INCH
REMOVED	90005	TEMPORARILY REMOVE GATE AND REINSTALL
ADDED	90007	PROVIDE AND INSTALL 6-FT, CHAIN LINK FENCE

SPECIFICATIONS:

SECTION D: SPECIAL PROVISIONS

➤ ARTICLE 104 SCOPE OF WORK

Delete the second paragraph under this section and replace with the following:

“The project limits for the work are:

- North Fair Oaks Avenue, from the State of Wisconsin Highway 30 exit ramp to the Northern Commercial Avenue service road (approximately 130 linear feet).
- Northern Commercial Avenue service road, from North Fair Oaks Avenue to Fairmont Avenue (approximately 1022 linear feet).
- Southern Commercial Avenue service road along the gravel maintenance path east of the Highway 30 eastbound on-ramp (approximately 333 linear feet).”

The remainder of the text within this section shall remain the same as the original contract.

➤ SECTION 105.12 COOPERATION BY THE CONTRACTOR

Delete the first paragraph of the ‘**Coordination with Utilities**’ subsection and replace with the following:

“This project may require close coordination with private utility companies. There are several existing utilities located within the project limits that are to remain. Several of these facilities are old and will require care when working near them. Of particular note is an existing AT&T overhead pole located near SAS #2 on South Commercial Avenue that may require bracing during sanitary sewer construction (see accompanying plan set). If pole bracing is found to be needed, the Contractor shall coordinate these activities directly with AT&T. Coordination and scheduling associated with pole bracing would be an incidental cost to sanitary sewer construction.”

The remainder of the text within this subsection shall remain the same as the original contract.

Delete the entire '**Coordination with Town of Blooming Grove**' subsection and replace with the following:

"The Contractor shall contact Mike Wolf with Town of Blooming Grove, 608-223-1104 or bgadmin@blmgrove.com, 3 days prior to beginning work along the southern Commercial Avenue service road's gravel maintenance path.

The existing swinging gate located at the boundary between the paved portion of the southern Commercial Avenue service road and the gravel maintenance path lies within the Town of Blooming Grove right-of-way and shall remain in place during construction. If temporary removal of this gate is necessary for construction equipment access, the gate shall be replaced in-kind to the satisfaction of the Town of Blooming Grove. Any costs associated with temporary removal and replacement of this gate would be incidental to sanitary sewer construction."

➤ SECTION 107.7 MAINTENANCE OF TRAFFIC

Delete the sixth paragraph under this section and replace with the following:

"Commercial Avenue (south) east of North Fair Oaks Avenue shall remain open during construction. Traffic to the Highway 30 eastbound on-ramp shall be maintained at all times. Maintain access to all driveways and sidewalks."

The remainder of the text within this section shall remain the same as the original contract.

- Add a new superseding section to the contract documents for standard item '20326 – REMOVE FENCE' The new section shall include the following text:

"BID ITEM 20326 – REMOVE FENCE

This item includes work necessary to carefully remove any fence material as well as the disposal of the fence material as specified in the plan. This item includes all fence types such as, but not limited to, chain link, wooden post & rail, picket, etc. The existing chain-link fence along Highway 30 shall be disposed of off-site and shall not be re-used for new permanent safety fence installation. "

➤ ARTICLE 500 SEWER AND SEWER STRUCTURES GENERAL

Delete the first and second paragraphs under the '**Sanitary Sewer General**' subsection and replace with the following:

"This project shall include installing approximately 1,678 feet of new 18" & 21" PVC PS46 sanitary sewer main and 43 feet of new 12" PVC SDR26 sanitary sewer main.

Approximately 236 feet of the new 21" PVC PS46 sanitary sewer will be installed across Highway 30 using bore and jack methods. 21" sanitary sewer installed across Highway 30 as called for on the plan set shall be payable under Bore & Jack Sanitary Sewer – 21-Inch (Bid Item 90001)."

The remainder of the text within this subsection shall remain the same as the original contract.

➤ BID ITEM 90001 – BORE & JACK SANITARY SEWER 21-INCH

Delete the final paragraph under the '**DESCRIPTION**' subsection and replace with the following:

“The Contractor is solely responsible for any damage created by thrust and lateral earth pressures created by the installation process and for protecting existing utilities in or around the boring and receiving pit areas. If shoring and/or barricading are necessary, any associated costs shall be incidental to the bore and jack sewer construction. Shoring and/or barricading shall be implemented in conformance with WisDOT permitting requirements if within WisDOT right-of-way.”

The remainder of the text within this subsection shall remain the same as the original contract.

- Delete section ‘BID ITEM 90005 - TEMPORARY REMOVE GATE AND REINSTALL’ from the contract.
- Add a new section to the contract documents titled ‘90007 - PROVIDE AND INSTALL 6-FT, CHAIN LINK FENCE’. The new section shall include the following text:

“BID ITEM 90007 – PROVIDE AND INSTALL 6-FT, CHAIN LINK FENCE

DESCRIPTION

This item shall consist of furnishing and installing 6-ft tall, chain-link fence as shown on the plans and as herein provided.

MATERIALS

The 6-ft tall, chain-link fence shall be provided in accordance with the Wisconsin Department of Transportation Facilities Development Manual Specifications (616.2.3) and Standard Detail Drawings (SDD 15B3) for CHAIN LINK FENCE.

CONSTRUCTION

The 6-ft tall, chain-link fence shall be installed in accordance with the Wisconsin Department of Transportation Facilities Development Manual Specifications (616.3.3) and Standard Detail Drawings (SDD 15B3) for CHAIN LINK FENCE.

METHOD OF MEASUREMENT

This item shall be measured by the Linear Foot of material provided and installed.

BASIS OF PAYMENT

This item shall be measured as described above and shall be paid for at the contract unit price which shall be full compensation for all work, materials, tools, equipment, labor, hauling, placement and incidentals required to complete the work as set forth in this description. “

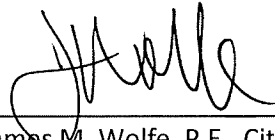
Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

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

<http://www.bidexpress.com>

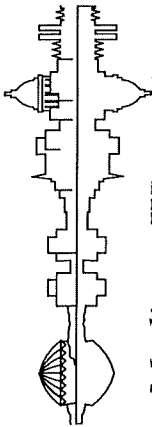
If you are unable to download plan revisions associated with the addendum, please contact the Engineering

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Wolfe', written over a horizontal line.

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

JMW: EAC



Madison, Wisconsin

INDEX OF SHEETS	MMSD STRUCTURE DETAILS
SHEET NO. D-1	CROSSING DETAIL & NOTES
SHEET NO. D-2	TYPICAL SECTIONS
SHEET NO. D-3	MEDIAN REMOVAL PLAN
SHEET NO. D-4	EROSION CONTROL PLANS
SHEET NO. EC-1 - EC-6	MEDIAN ISLAND PLAN
SHEET NO. P-1	UTILITY PLAN & PROFILES
SHEET NO. U-1 - U-6	SANITARY SEWER SCHEDULE
SHEET NO. U-7 - U-8	

CITY OF MADISON

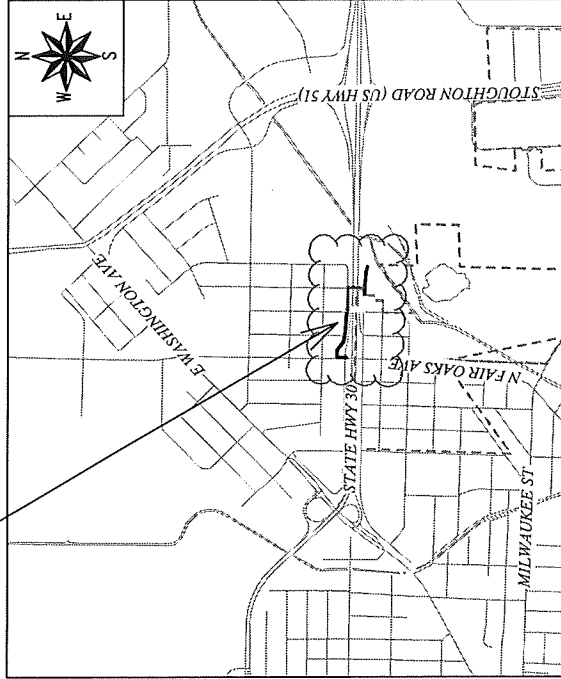
CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION

PROJECT CITY PROJECT NO. 14921
 LOCATION CONTRACT NO. 9486



CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
BURIED ELECTRIC	— E —
OVERHEAD ELECTRIC	— OH —
POWER POLE	— □ —
ADA COMPLIANT RAMP W/	— [Symbol] —
DETECTABLE WARNING FIELD	— [Symbol] —
COMBUSTIBLE FLUIDS	— [Symbol] —

NOTES:
 ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

ADDENDUM #3: 9/3/2024

TITLE:

- PROJECT LOCATION MAP MODIFIED
 - UTILITY SHEET NOTE #7 ADDED (D-2)
 - REMOVED 21-INCH PRESSURE PIPE NOTE (D-2)
- EC-SHEETS:
- BORE AND JACK RELOCATED EAST TO FAIRMONT AVE. SANITARY SEWER DESIGN REVISED EC-3A & EC-3B ADDED. ALIGNMENTS AND MATCH LINES REVISED ACCORDINGLY (ALL EC-SHEETS)
 - EROSION CONTROL BMP LEGEND REVISED TO INCLUDE TYPE C INLET PROTECTION (ALL EC-SHEETS)
 - SOIL BORING DATA ADDED (ALL EC-SHEETS)
 - EXISTING S&S 6238-006 ABANDONMENT NOTE ADDED (EC-2)
 - TYPE C INLET PROTECTION USED AT JACOBSON AVE. NORTH INSTEAD OF RIGID FRAME INLET PROTECTION (EC-3 - EC-4)
 - RESTORATION BOUNDARIES AND NOTES REVISED (EC-3 - EC-6)
 - SOUTH COMMERCIAL AVE. GRINDING AND ASPHALT PAVEMENT WORK REMOVED FROM PLAN (EC-5)
 - SILT FENCE BOUNDARY NEAR WSOR RAIL TRACKS REVISED (EC-6)

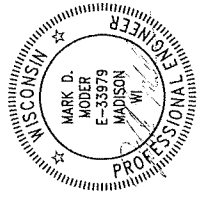
- U-SHEETS:
- BORE AND JACK RELOCATED EAST TO FAIRMONT AVE. SANITARY SEWER DESIGN REVISED. U-3A & U-3B ADDED. ALIGNMENTS AND MATCH LINES REVISED ACCORDINGLY (ALL U-SHEETS)
 - UTILITY SHEET NOTE #7 ADDED (ALL U-SHEETS)
 - EXISTING S&S 6238-006 ABANDONMENT NOTE ADDED (U-2)
 - 21" RCP STORM SEWER REMOVAL REPLACEMENT NOTE REVISED. 12" RCP STORM SEWER REMOVAL NOTE REMOVED FROM PLANS AND SHALL BE INCIDENTAL TO SANITARY SEWER INSTALLATION IF NEEDED (U-3 - U-4)
 - NORTH COMMERCIAL AVE. CURB REMOVAL AND REPLACEMENT NOTE REVISED (U-3 - U-4)
 - RESTORATION BOUNDARIES AND NOTES REVISED (U-3 - U-6)
 - SOUTH COMMERCIAL AVE. GRINDING AND ASPHALT PAVEMENT WORK REMOVED FROM PLAN (U-5)
 - REMOVED AND REPLACED 21-INCH PRESSURE PIPE NOTE WITH SDR-26 NOTE (U-5)
 - POLE BRACING NOTE REVISED (U-6)

PUBLIC IMPROVEMENT PROJECT APPROVED
 AUGUST 6, 2024
 BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:
 [Signature]
 Aug 15, 2024

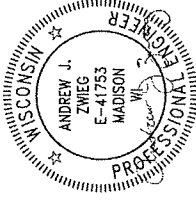
City Engineer _____ Date

SANITARY SEWER DESIGNED BY:



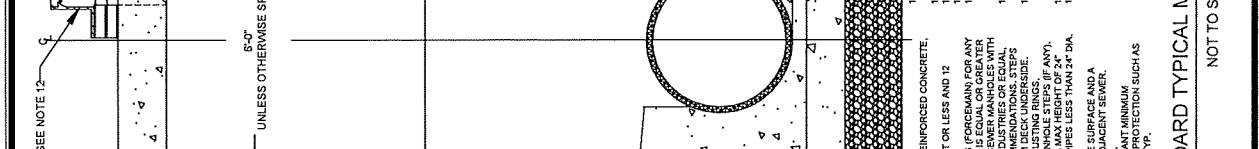
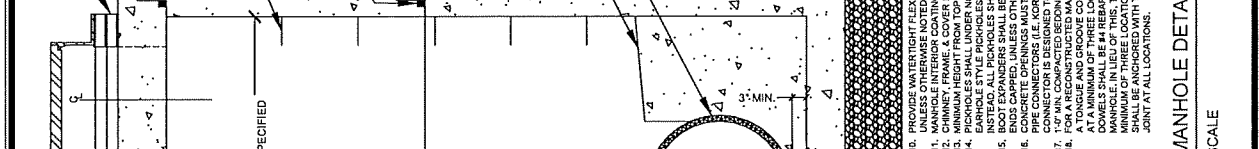
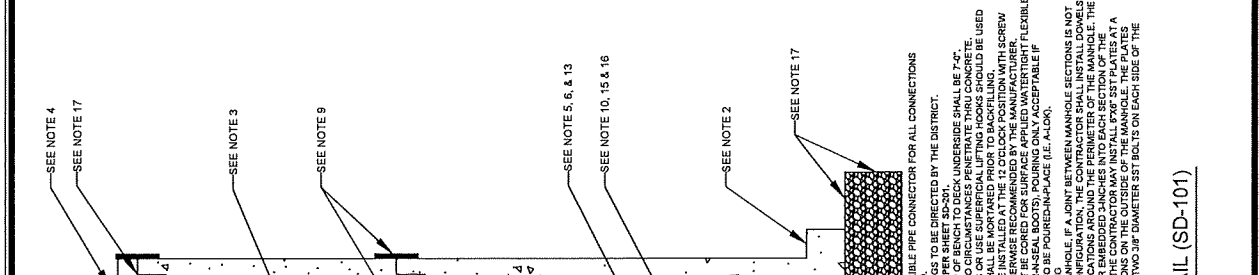
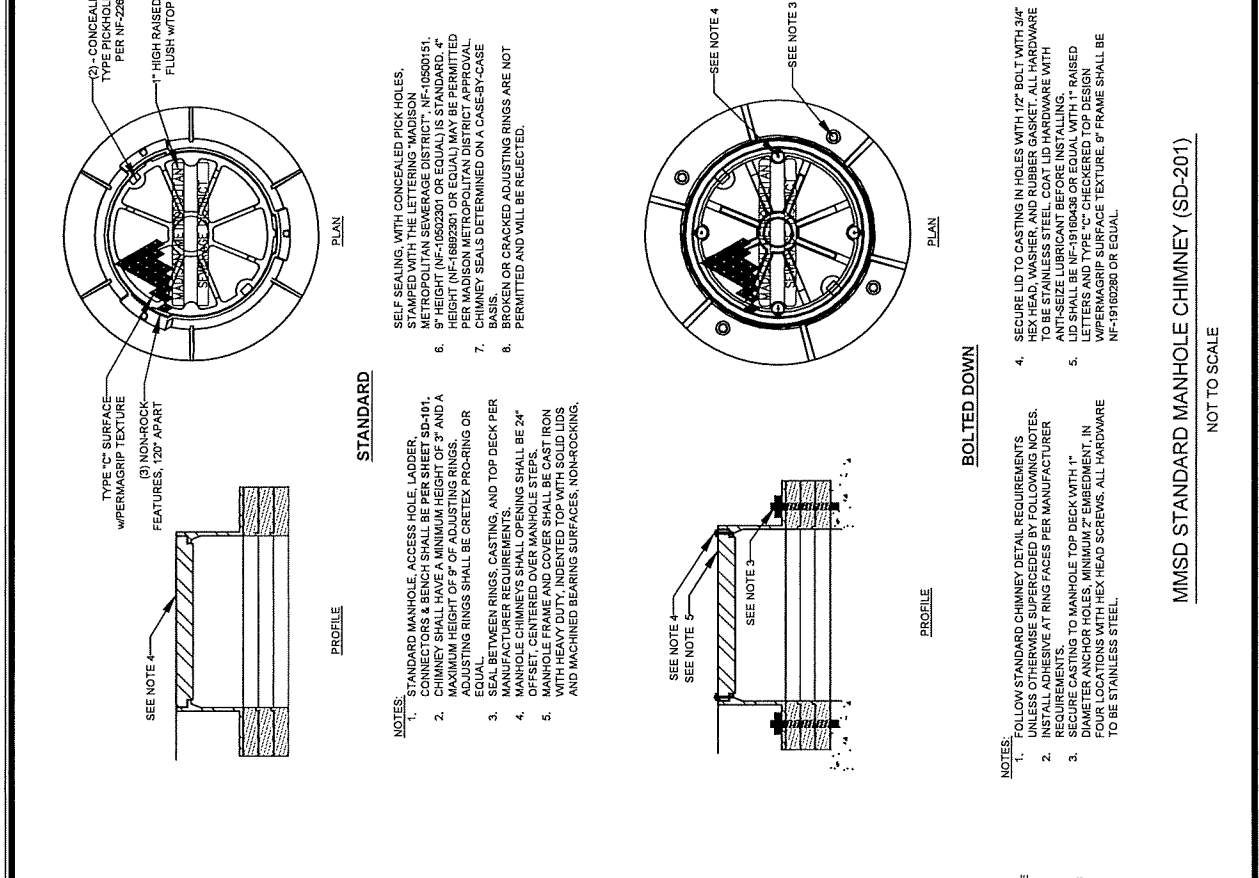
Aug 15, 2024

STREET DESIGNED BY:



Aug 15, 2024

MMSD STANDARD TYPICAL MANHOLE DETAIL (SD-101)
 NOT TO SCALE



NOTES:

- MANHOLE SECTIONS AND THICKNESSES SHALL BE PRECAST REINFORCED CONCRETE.
- THE BASE THICKNESS SHALL BE 8 INCHES FOR DEPTHS 10 FEET OR LESS AND 12 INCHES FOR DEPTHS OVER 10 FEET.
- THE EASE WAY MANHOLE, IF APPLICABLE, SHALL BE 36 INCHES IN DIAMETER. THE MANHOLE DEPTH FOR A GRAVITY SEWER IF THE MANHOLE IS EQUAL OR GREATER TO 30' DEPTH, STEPS SHALL NOT BE INSTALLED IN GRAVITY SEWER MANHOLES WITH LESS THAN A 30' DEPTH. IF INSTALLED, STEPS SHALL BE 14\"/>

STANDARD

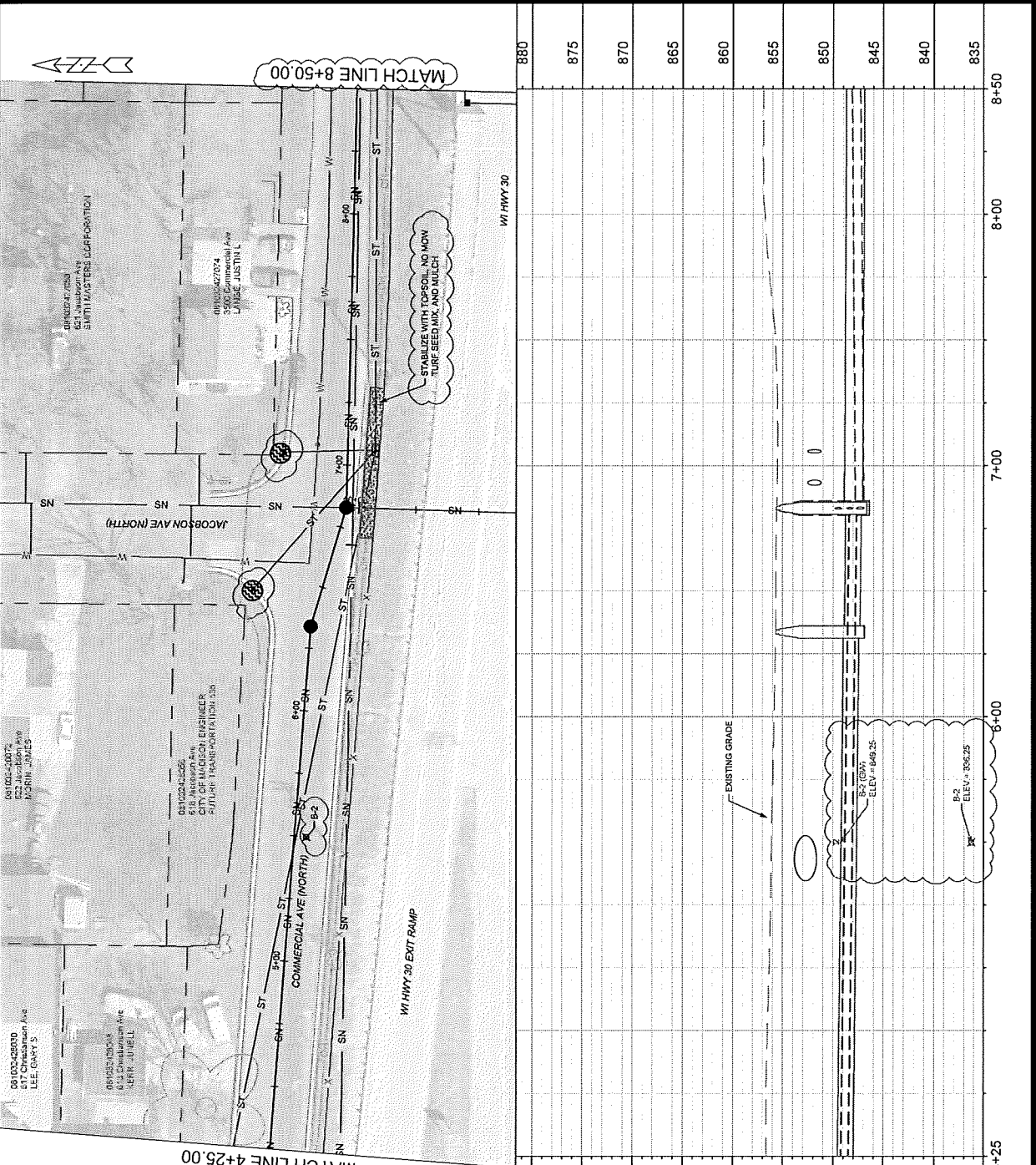
- STANDARD MANHOLE, ACCESS HOLE, LADDER, CONNECTORS & BENCH SHALL BE PER SHEET SD-101.
- MINIMUM HEIGHT OF 4' OF ADJUSTING RINGS, 3' AND A MAXIMUM HEIGHT OF 6' OF ADJUSTING RINGS SHALL BE PERMITTED.
- ADJUSTING RINGS SHALL BE CRETEX PRO-RING OR EQUAL.
- SEAL BETWEEN RINGS, CASTING, AND TOP DECK PER MANUFACTURER REQUIREMENTS.
- OFFSET BETWEEN COVER MANHOLE STEPS SHALL BE 24\"/>

BOLTED DOWN

- FOLLOW STANDARD CHIMNEY DETAIL REQUIREMENTS UNLESS OTHERWISE SUPERSEDED BY FOLLOWING NOTES.
- REQUIREMENTS AT RING FACES PER MANUFACTURER REQUIREMENTS.
- SECURE CASTING TO MANHOLE TOP DECK WITH 1\"/>

BOLTED DOWN

- SECURE LID TO CASTING IN HOLES WITH 1/2\"/>



880	
875	
870	
865	
860	
855	
850	
845	
840	
835	
4+25	

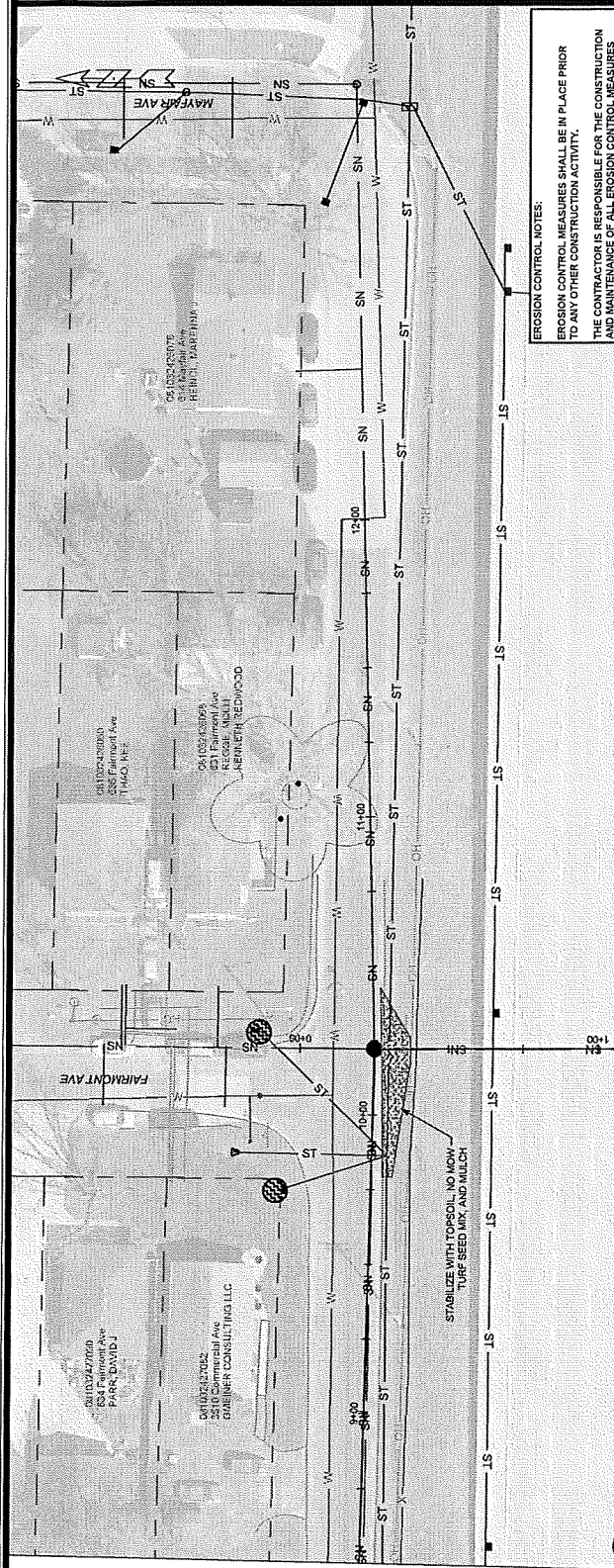
EROSION CONTROL NOTES:
 EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.
 THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.
 THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WISCONSIN STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.
 THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.
 INLET PROTECTION SHALL BE INSTALLED WITHIN THE TRACKING AREAS. ADDITIONAL INLET PROTECTION SHALL BE PLACED AS DIRECTED.
 POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

- RIGID FRAME INLET PROTECTION
- TYPE C INLET PROTECTION
- SILT FENCE (PLACE AS NEEDED & AROUND STOCKPILES)

TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME INLET PROTECTION IS INSTALLED.
 FABRIC FLAPS MUST BE CUT TO LEAVE LESS THAN 6" AROUND GRATE.
 2"x4" MUST BE INSTALLED AND EXTEND BEYOND CURB.
 FILTER FABRIC MUST BE SECURED WITH WIRE OR PLASTIC TIES.
 FILTER FABRIC MUST BE CLEARED OF DEBRIS AFTER EACH RAIN EVENT, OR WEEKLY AT A MINIMUM.

- ADDRESS: 14921 COMMERCIAL AVENUE, MADISON, WI 53704
- SEWER DESIGN REVISIONS: EC-3A & EC-3B ADDED ALIGNMENTS AND MATCH LINES REVISIONS ACCORDINGLY (ALL EC-SHEETS)
 - EROSION CONTROL BMP LEGEND REVISIONS TO INCLUDE TYPE C SOIL BORING DATA ADDED (ALL EC-SHEETS)
 - EXISTING SAS 5238-005 ABANDONMENT NOTE ADDED (EC-2)
 - TYPE C INLET PROTECTION USED AT JACOBSON AVE. (NORTH)
 - RESTORATION BOUNDARIES AND NOTES REVISIONS (EC-3, EC-8)
 - SOUTH COMMERCIAL AVE. GRINDING AND ASPHALT PAVEMENT WORK REMOVED FROM PLAN (EC-5)
 - SILT FENCE BOUNDARY NEAR 1500 RAIL TRACKS REVISIONS (EC-6)

EC-3A	14921	9486	CONTRACT NO:	M:\DESIGN\Projects\14921\CAD\Drawings\14921SWR-ErosionControl.dwg
MARK	DATE	REVISION	DESCRIPTION	



880	875	870	865	860	855	850	845	840	835
12+00	11+50	11+00	10+50	10+00	9+50	9+00	8+50	8+00	7+50

860	855	850	845	840	835
EXISTING GRADE					

- EC-SHEETS:**
1. BORE AND JACK RELOCATED EAST TO FAIRMONT AVE. SANITARY SEWER DESIGN REVISED. EC-3A & EC-3B ADDED. ALIGNMENTS RELOCATED TO ACCORDINGLY ALL EC-SHEETS
 2. EROSION CONTROL SWP (EC-3) REVISED TO INCLUDE TYPE C INLET PROTECTION (ALL EC-SHEETS)
 3. SOIL BORING DATA ADDED (ALL EC-SHEETS)
 4. TYPE C INLET PROTECTION ABANDONMENT NOTE ADDED (EC-2)
 5. RESTORATION BOUNDARIES AND NOTES REVISED (EC-3 - EC-6)
 6. RESTORATION BOUNDARIES AND NOTES REVISED (EC-3 - EC-6)
 7. SOIL BORING DATA, GRINDING AND ASPHALT PAVEMENT BOUNDARIES NEAR (VSBOR) RAIL TRACKS REVISED (EC-6)
 8. SILT FENCE BOUNDARY NEAR (VSBOR) RAIL TRACKS REVISED (EC-6)

EROSION CONTROL NOTES:
 EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.
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 THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.
 INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE PLACED AS DIRECTED.
 POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

RIGID FRAME INLET PROTECTION
 TYPE C INLET PROTECTION
 SILT FENCE (PLACE AS NEEDED & AROUND STOCKPILES)

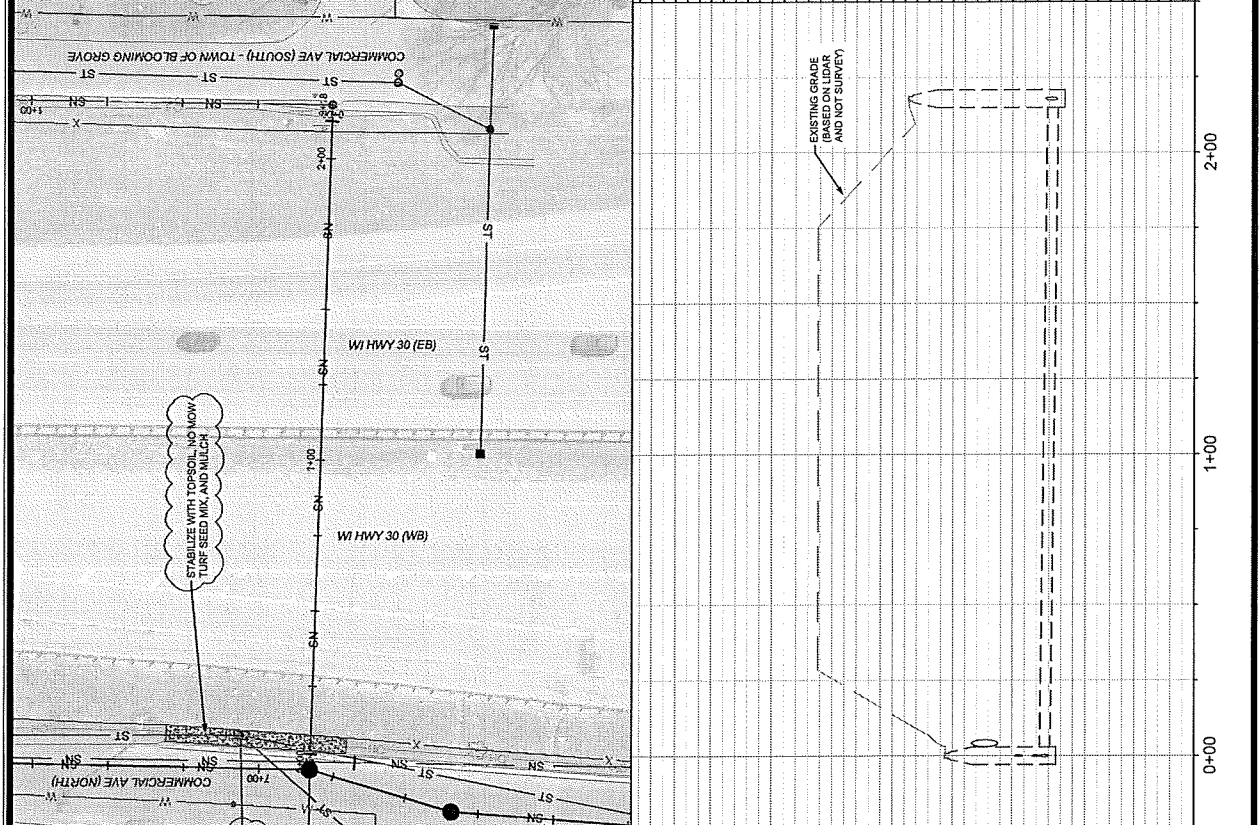
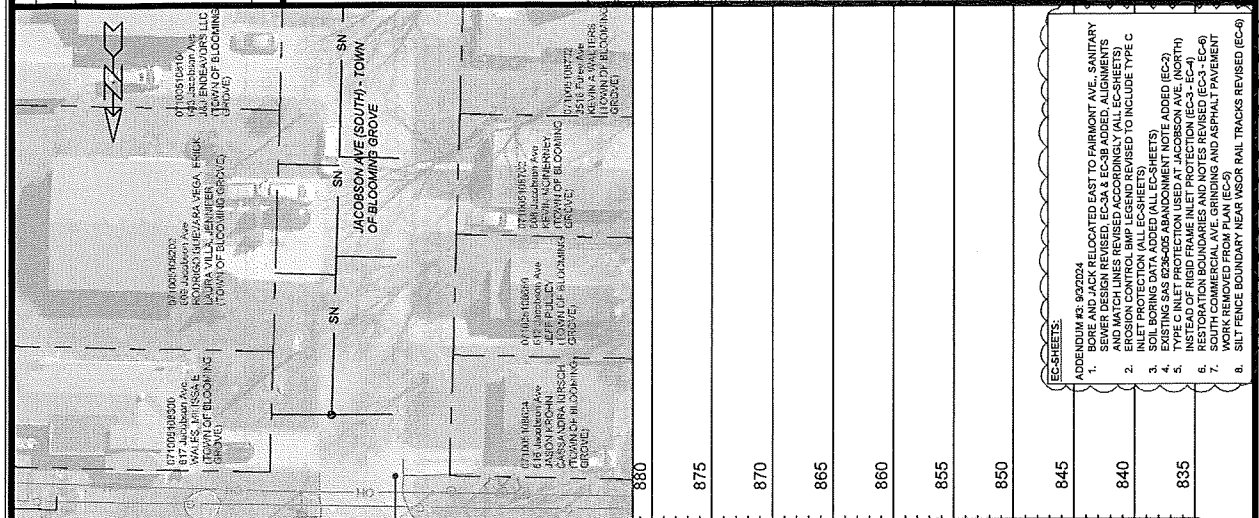
TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME INLET PROTECTION IS INSTALLED WITHIN THE CONSTRUCTION LIMITS.

- * FABRIC PLAYS MUST BE CUT TO LEAVE LESS THAN 6" AROUND GRATE.
- * 2'x4' MUST BE INSTALLED AND EXTEND BEYOND CURB
- * FILTER MUST BE SECURED WITH WIRE OR PLASTIC TIES.
- * FILTER FABRIC MUST BE CLEARED OF DEBRIS AFTER EACH RAIN EVENT OR WEEKLY AT A MINIMUM.

MATCH LINE 8+50.00

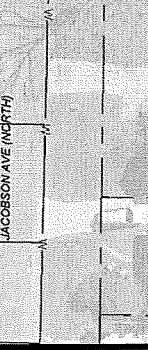
STABILIZE WITH TOPSOIL, NO LIGN-TURF SEED MIX, AND MULCH

REVISIONS



Station	Elevation (ft)
835	835
840	840
845	845
850	850
855	855
860	860
865	865
870	870
875	875
880	880

EROSION CONTROL NOTES:
 EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.
 THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.
 THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDMRSC SPECIFICATIONS, CITY OF MADISON STANDARD SPECIFICATIONS.
 THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKINGS TO A MINIMUM.
 INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE PLACED AS DIRECTED.
 POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

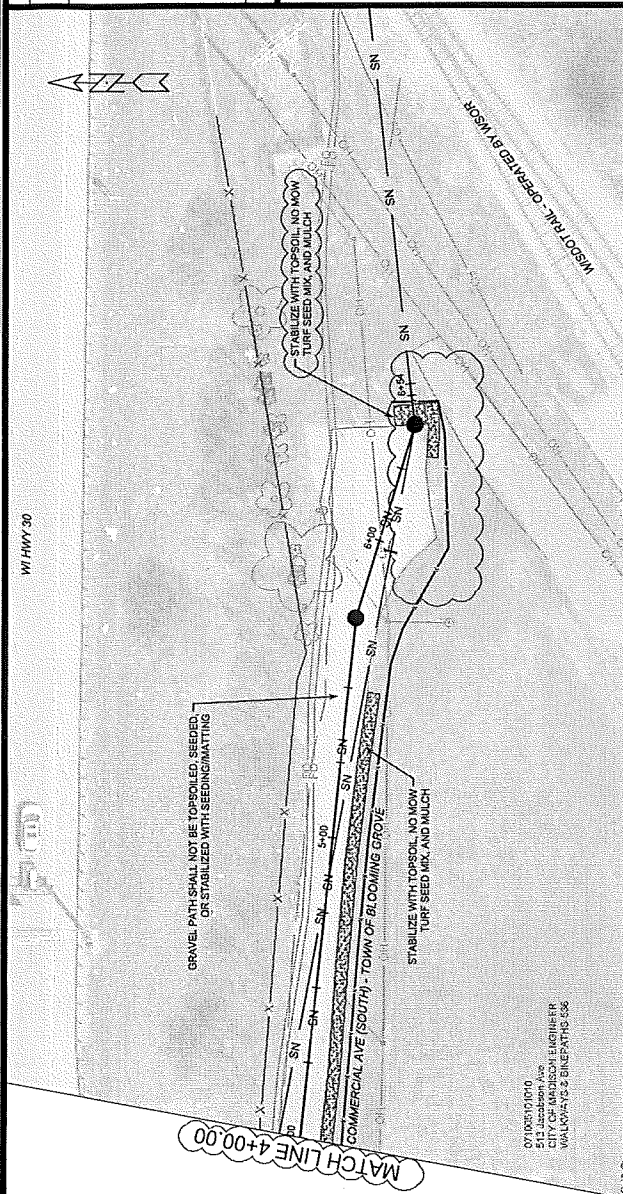


RIGID FRAME INLET PROTECTION
 TYPE C INLET PROTECTION
 SILT FENCE (PLACE AS NEEDED & AROUND STRUCTURES)

TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME INLET PROTECTION WILL NOT FIT STRUCTURE.
 - AROUND GRATE INLET MUST BE CUT TO LEAVE LESS THAN 6" OPENINGS.
 - 2"x4" MUST BE INSTALLED AND EXTEND BEYOND CURB OPENINGS.
 - POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.
 - FILTER FABRIC MUST BE CLEANED OF DEBRIS AFTER EACH RAIN EVENT, OR WEEKLY AT A MINIMUM.

- EC-SHEETS:**
- ADDENDUM #5, 6/20/20
 - BORE AND JACK RELOCATED EAST TO FARMINGTON AVE. SANITARY SEWER DESIGN REVISED, EC3A & EC-3B ADDED, ALIGNMENTS AND MATCH LINES REVISED ACCORDINGLY (ALL EC-SHEETS)
 - REVISION #1, 10/20/20, EC3A & EC-3B ADDED, ALIGNMENTS AND MATCH LINES REVISED ACCORDINGLY (ALL EC-SHEETS)
 - SOIL BORING DATA ADDED (ALL EC-SHEETS)
 - EXISTING GAS 6238-005 ABANDONMENT NOTE ADDED (EC-2)
 - TYPE C INLET PROTECTION USED AT JACOBSON AVE. (NORTH)
 - RESTORATION BOUNDARIES AND NOTES REVISED (EC-3 - EC-6)
 - SOUTH COMMERCIAL AVE. GRINDING AND ASPHALT PAVEMENT WORK REMOVED FROM PLAN (EC-5)
 - SEIT FENCE BOUNDARY NEAR NSOR RAIL TRACKS REVISED (EC-6)

08/10/2027/10
 01/11/2027/10
 09/10/2027/09
 08/10/2027/09
 07/10/2027/09
 06/10/2027/09
 05/10/2027/09
 04/10/2027/09
 03/10/2027/09
 02/10/2027/09
 01/10/2027/09



875	6+50
870	6+00
865	5+50
860	5+00
855	4+50
850	4+00
845	3+50
840	3+00
835	2+50
830	2+00

EROSION CONTROL NOTES:
 EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.
 THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.
 THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE MONROSC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.
 THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.
 INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE PLACED AS DIRECTED.
 POA YARDS SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

ADDITIONAL NOTES:
 1. BORE AND JACK RELOCATED EAST TO FAIRMONT AVE. SANITARY AND MATCH LINES REVISED ACCORDINGLY (ALL EC-SHEETS)
 2. SOIL BORING DATA ADDED (ALL EC-SHEETS)
 3. EXISTING SAS E236-005 ABANDONMENT NOTE ADDED (EC-2)
 4. EXISTING SAS E236-005 ABANDONMENT NOTE ADDED (NORTH)
 5. INSTEAD OF RIGID FRAME INLET PROTECTION (EC-3 - EC-6) SOUTH COMMERCIAL AVE. GRINDING AND ASPHALT PAVEMENT SHALL BE INSTALLED FROM PLEAS (EC-5)
 6. SILT FENCE BOUNDARY NEAR WISOR RAIL TRACKS REVISED (EC-6)

EC-SHEETS:

- EC-3
- EC-4
- EC-5
- EC-6

REVISIONS

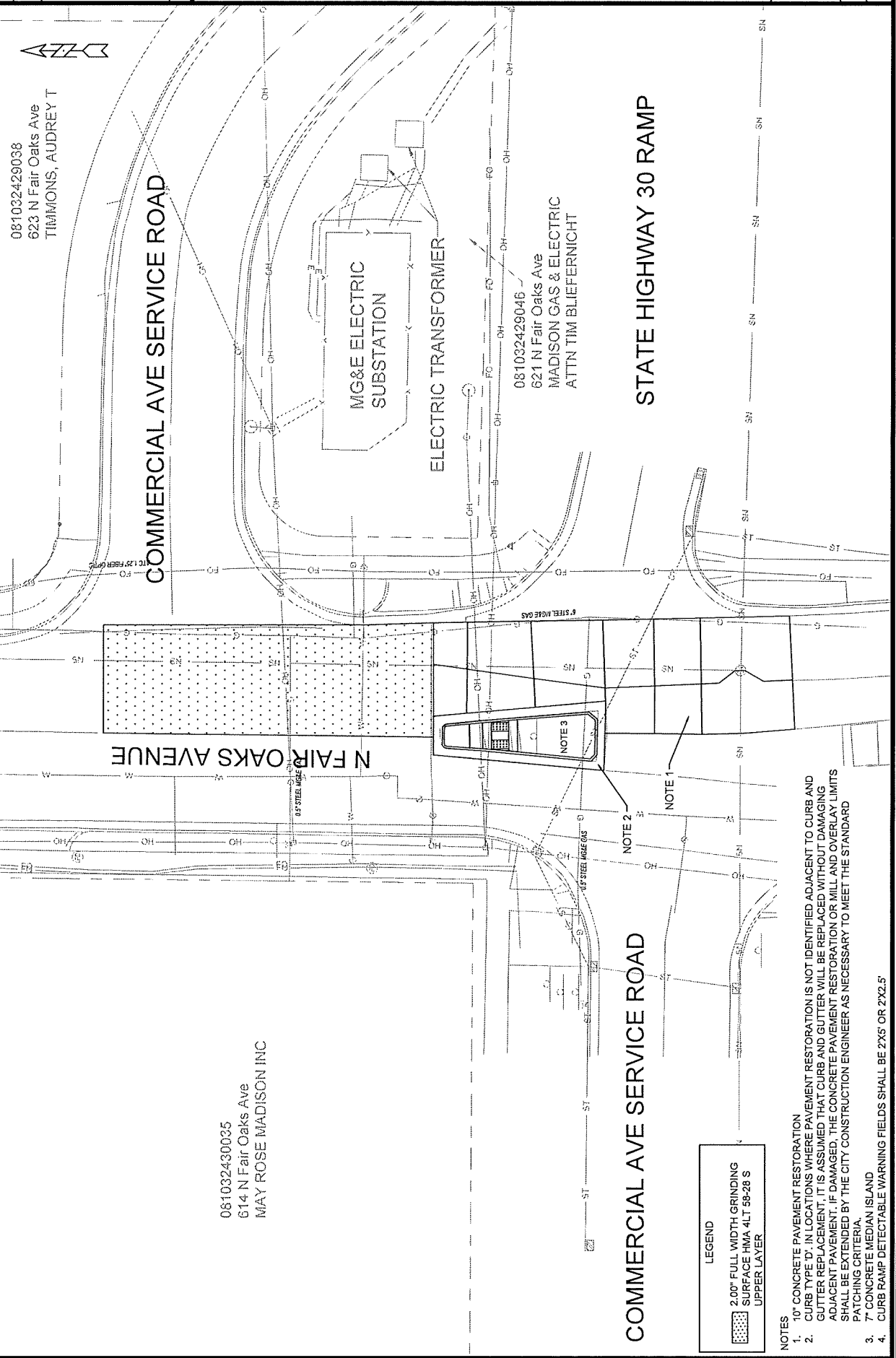
NO.	DATE	REVISION
1	11/11/11	ISSUE FOR PERMITS
2	11/11/11	ISSUE FOR PERMITS
3	11/11/11	ISSUE FOR PERMITS
4	11/11/11	ISSUE FOR PERMITS
5	11/11/11	ISSUE FOR PERMITS
6	11/11/11	ISSUE FOR PERMITS
7	11/11/11	ISSUE FOR PERMITS
8	11/11/11	ISSUE FOR PERMITS
9	11/11/11	ISSUE FOR PERMITS
10	11/11/11	ISSUE FOR PERMITS

14921
 9486
 CONTRACT NO:
 MADISON, WI
 14921

DESIGN: rjg/ks/bl/14921/CAD/S&E/06/11/4921EN_P.FP.dwg
 COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION
 MEDIAN ISLAND PLAN



14921
 P-1



081032429038
 623 N Fair Oaks Ave
 TIMMONS, AUDREY T

COMMERCIAL AVE SERVICE ROAD

MG&E ELECTRIC SUBSTATION

ELECTRIC TRANSFORMER

081032429046
 621 N Fair Oaks Ave
 MADISON GAS & ELECTRIC
 ATTN TIM BLIEFERNICHT

STATE HIGHWAY 30 RAMP

N FAIR OAKS AVENUE

COMMERCIAL AVE SERVICE ROAD

081032430035
 614 N Fair Oaks Ave
 MAY ROSE MADISON INC

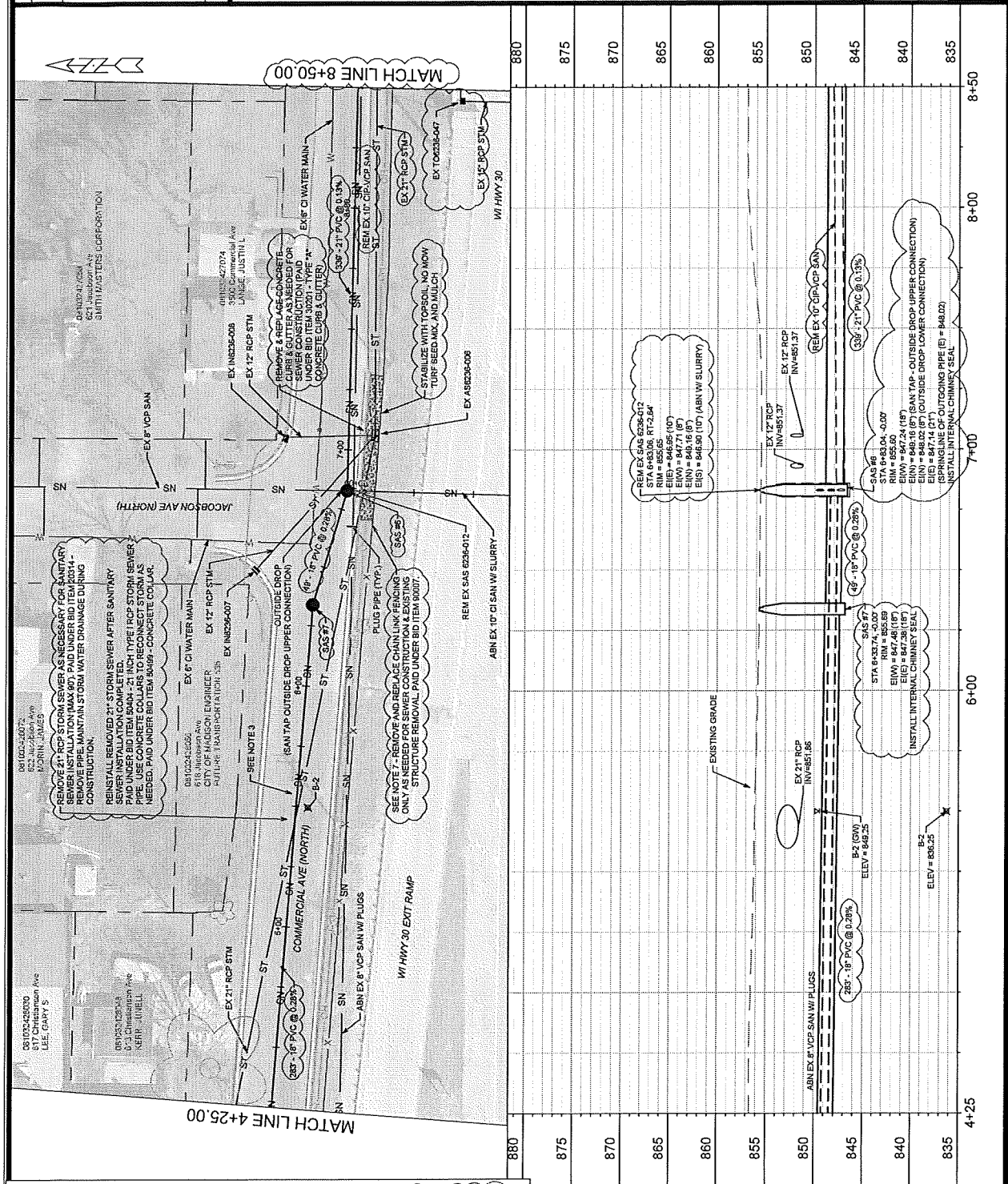
LEGEND

	2.00' FULL WIDTH GRINDING SURFACE HMA 4LT 59-28 S UPPER LAYER
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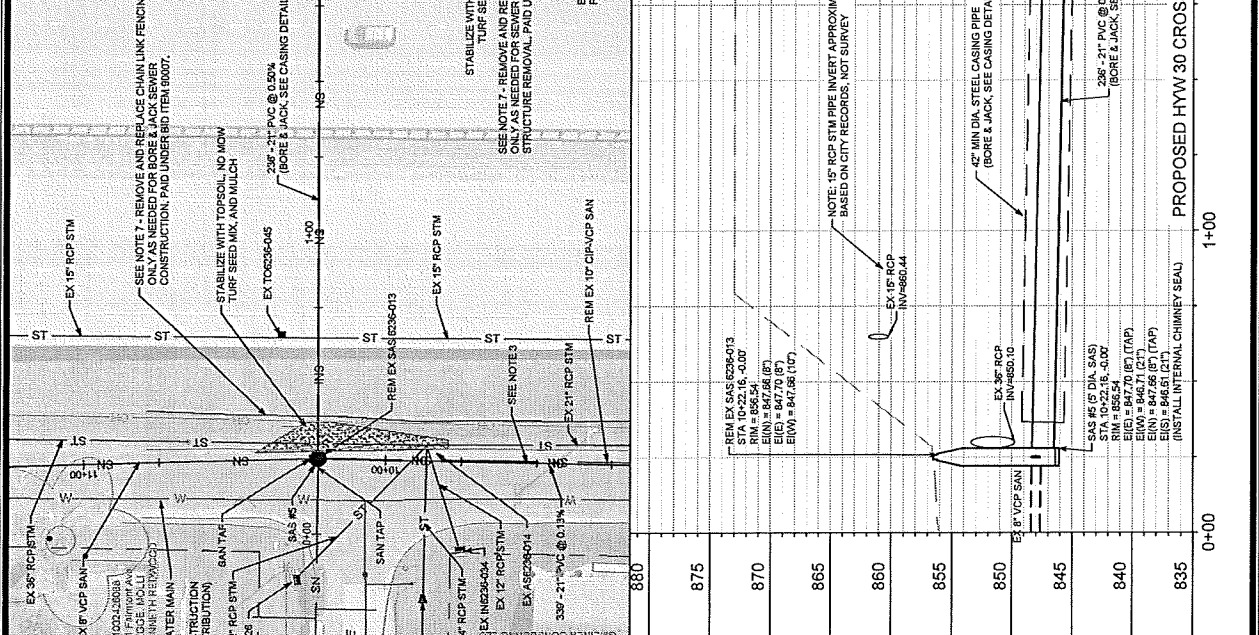
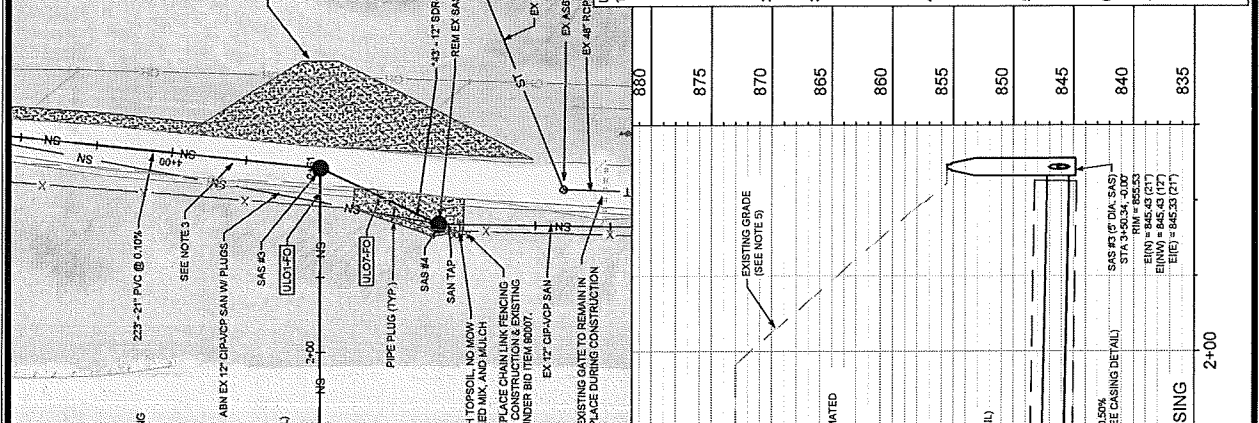
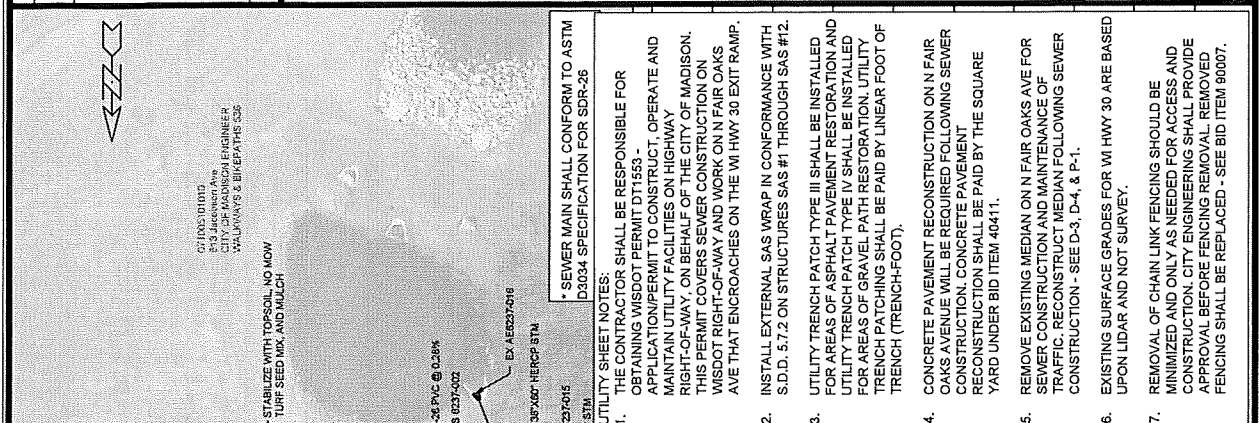
- NOTES
- 10' CONCRETE PAVEMENT RESTORATION CURB TYPE 'D'. IN LOCATIONS WHERE PAVEMENT RESTORATION IS NOT IDENTIFIED ADJACENT TO CURB AND GUTTER REPLACEMENT, IT IS ASSUMED THAT CURB AND GUTTER WILL BE REPLACED WITHOUT DAMAGING ADJACENT PAVEMENT. IF DAMAGED, THE CONCRETE PAVEMENT RESTORATION OR MILL AND OVERLAY LIMITS SHALL BE EXTENDED BY THE CITY CONSTRUCTION ENGINEER AS NECESSARY TO MEET THE STANDARD PATCHING CRITERIA.
 - 7' CONCRETE MEDIAN ISLAND
 - CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'X5' OR 2'X2.5'

- UTILITY SHEET NOTES:**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WISDOD PERMIT DT1553 - APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY, ON BEHALF OF THE CITY OF MADISON. THIS PERMIT COVERS SEWER CONSTRUCTION ON WISDOD RIGHT-OF-WAY AND WORK ON N FAIR OAKS AVE THAT ENCROACHES ON THE WI HWY 30 EXIT RAMP.
 - INSTALL EXTERNAL SAS MRAP IN CONFORMANCE WITH S.D.D. 5.7.2 ON STRUCTURES SAS #1 THROUGH SAS #12.
 - UTILITY TRENCH PATCH TYPE III SHALL BE INSTALLED FOR AREAS OF ASPHALT PAVEMENT RESTORATION AND UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED FOR AREAS OF GRAVEL PATH RESTORATION. UTILITY TRENCH PATCHING SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT).
 - CONCRETE PAVEMENT RECONSTRUCTION ON N FAIR OAKS AVENUE WILL BE REQUIRED FOLLOWING SEWER CONSTRUCTION. CONCRETE PAVEMENT RECONSTRUCTION SHALL BE PAID BY THE SQUARE YARD UNDER BID ITEM 40411.
 - REMOVE EXISTING MEDIAN ON N FAIR OAKS AVE FOR SEWER CONSTRUCTION AND MAINTENANCE OF TRAFFIC. RECONSTRUCT MEDIAN FOLLOWING SEWER CONSTRUCTION - SEE D-3, D-4, & P-1.
 - EXISTING SURFACE GRADES FOR WI HWY 30 ARE BASED UPON LIDAR AND NOT SURVEY.
 - REMOVAL OF CHAIN LINK FENCING SHOULD BE MINIMIZED AND ONLY AS NEEDED FOR ACCESS AND CONSTRUCTION. CITY ENGINEERING SHALL PROVIDE APPROVAL BEFORE FENCING REMOVAL. REMOVED FENCING SHALL BE REPLACED - SEE BID ITEM 90007.

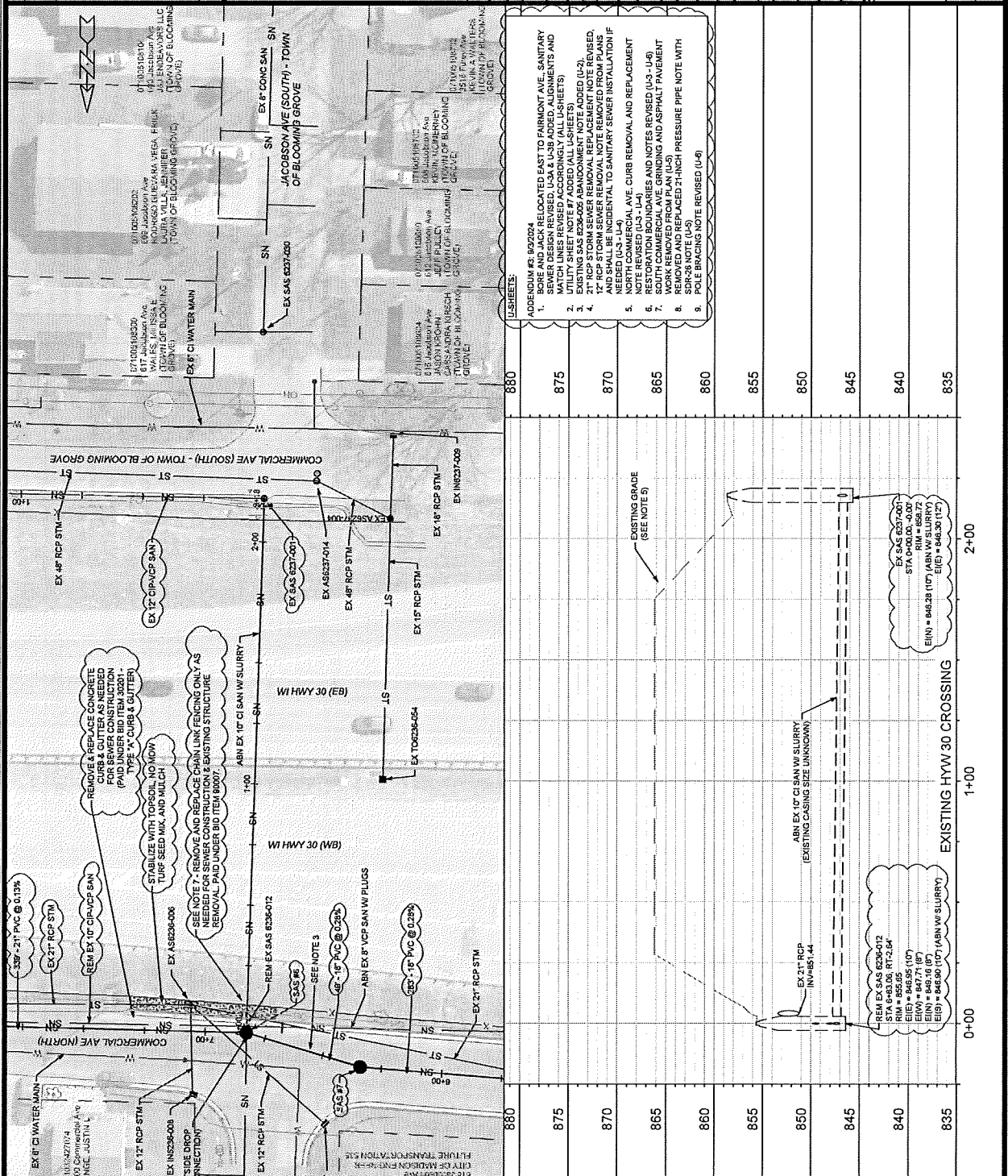
- US-SHEETS:**
- ADDENDUM #1 9/20/2024
 - BORE AND JACK RELOCATED EAST TO FAIRMONT AVE., SANITARY SEWER DESIGN REVISED, U3A & U3B ADDED, ALIGNMENTS AND UTILITY SHEET NUMBER CORRECTED (ALL US-SHEETS)
 - EXISTING SAS 6236-005 ABANDONMENT NOTE ADDED (U-2)
 - 21" RCP STORM SEWER REMOVAL REPLACEMENT NOTE REVISED. NADP STORM SEWER REMOVAL NOTE REMOVED FROM PLANS NEEDED (U-3 - U-4)
 - NORTH COMMERCIAL AVE. CURB REMOVAL AND REPLACEMENT NOTE REVISED (U-3 - U-4)
 - SOUTH COMMERCIAL AVE. GRINDING AND REPLACEMENT WORK REMOVED FROM PLAN (U-5)
 - REMOVED AND REPLACED 24-INCH PRESSURE PIPE NOTE WITH B. POLE BRACING NOTE REVISED (U-6)



REVISED



USHEETS:	880	875	870	865	860	855	850	845	840	835
APPENDIX 45 9/20/24										
1. BORE AND JACK RELOCATED EAST TO FAIRMONT AVE. SANITARY SEWER DESIGN REVISED, U3A & U3B ADDED, ALIGNMENTS AND UTILITY SHEETS REVISED ACCORDINGLY (ALL US SHEETS)										
2. EXISTING SAS 6236-005 ABANDONMENT NOTE ADDED (U-3)										
3. 21" RCP STORM SEWER REMOVAL REPLACEMENT NOTE REVISED										
4. 12" RCP STORM SEWER REMOVAL NOTE REMOVED FROM PLANS										
5. NORTH COMMERCIAL AVE. CURB REMOVAL AND REPLACEMENT NOTE REVISED (U-3 - U-4)										
6. SOUTH COMMERCIAL AVE. GRINDING AND ASPHALT PAVEMENT WORK REMOVED FROM PLAN (U-5)										
7. SOUTH COMMERCIAL AVE. GRINDING AND ASPHALT PAVEMENT REMOVED AND REPLACED 3-INCH PRESSURE PIPE NOTE WITH POLE BRACING NOTE REVISED (U-6)										
8. REMOVED AND REPLACED 3-INCH PRESSURE PIPE NOTE WITH POLE BRACING NOTE REVISED (U-6)										
9. POLE BRACING NOTE REVISED (U-6)										
SEWER MAIN SHALL CONFORM TO ASTM D3034 SPECIFICATION FOR SDR-26										
UTILITY SHEET NOTES:										
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WISDOT PERMIT DT1553 - MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY, ON BEHALF OF THE CITY OF MADISON. THIS PERMIT COVERS SEWER CONSTRUCTION ON WISDOT RIGHT-OF-WAY AND WORK ON N FAIR OAKS AVE THAT ENCRANGES ON THE W1 HWY 30 EXIT RAMP.										
2. INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH S.D.D. 5.7.2 ON STRUCTURES SAS #1 THROUGH SAS #12.										
3. UTILITY TRENCH PATCH TYPE III SHALL BE INSTALLED FOR AREAS OF ASPHALT PAVEMENT RESTORATION AND UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED FOR AREAS OF GRAVEL PATH RESTORATION. UTILITY TRENCH PATCHING SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT).										
4. CONCRETE PAVEMENT RECONSTRUCTION ON N FAIR OAKS AVENUE WILL BE REQUIRED FOLLOWING SEWER RECONSTRUCTION. CONCRETE PAVEMENT RECONSTRUCTION SHALL BE PAID BY THE SQUARE YARD UNDER BID ITEM 40411.										
5. REMOVE EXISTING MEDIAN ON N FAIR OAKS AVE FOR SEWER CONSTRUCTION AND MAINTENANCE OF TRAFFIC. RECONSTRUCT MEDIAN FOLLOWING SEWER CONSTRUCTION - SEE P-3, D-4, & P-1.										
6. EXISTING SURFACE GRADES FOR W1 HWY 30 ARE BASED UPON LIDAR AND NOT SURVEY.										
7. REMOVAL OF CHAIN LINK FENCING SHOULD BE MINIMIZED AND ONLY AS NEEDED FOR ACCESS AND CONSTRUCTION. CITY ENGINEERING SHALL PROVIDE APPROVAL BEFORE FENCING REMOVAL. REMOVED FENCING SHALL BE REPLACED - SEE BID ITEM 80007.										



Station	Structure / Note
880	EX 18 RCP STM
875	EX 24 RCP STM
870	EX 18 RCP STM
865	EX 24 RCP STM
860	EX 18 RCP STM
855	EX 24 RCP STM
850	EX 18 RCP STM
845	EX 24 RCP STM
840	EX 18 RCP STM
835	EX 24 RCP STM

UTILITY SHEET NOTES:
 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WISDOT PERMIT DT1563. APPLICATION PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY, ON BEHALF OF THE CITY OF MADISON. THIS PERMIT COVERS SEWER CONSTRUCTION ON WISDOT RIGHT-OF-WAY AND WORK ON N FAIR OAKS AVE THAT ENDOUCHES ON THE WI HWY 30 EXIT RAMP.
 2. INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH S.D.D. 5.7.2 ON STRUCTURES SAS #1 THROUGH SAS #12.
 3. UTILITY TRENCH PATCH TYPE III SHALL BE INSTALLED FOR AREAS OF ASPHALT PAVEMENT RESTORATION AND UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED FOR AREAS OF GRAVEL PATH RESTORATION. UTILITY TRENCH PATCHING SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT).
 4. CONCRETE PAVEMENT RECONSTRUCTION ON N FAIR OAKS AVENUE WILL BE REQUIRED FOLLOWING SEWER CONSTRUCTION. CONCRETE PAVEMENT RECONSTRUCTION SHALL BE PAID BY THE SQUARE YARD UNDER BID ITEM 40411.
 5. REMOVE EXISTING MEDIAN ON N FAIR OAKS AVE FOR SEWER CONSTRUCTION AND MAINTENANCE OF TRAFFIC. RECONSTRUCT MEDIAN FOLLOWING SEWER CONSTRUCTION - SEE D-3, D-4, & P-1.
 6. EXISTING SURFACE GRADES FOR WI HWY 30 ARE BASED UPON LIDAR AND NOT SURVEY.
 7. REMOVAL OF CHAIN LINK FENCING SHOULD BE MINIMIZED AND ONLY AS NEEDED FOR ACCESS AND CONSTRUCTION. CITY ENGINEERING SHALL PROVIDE APPROVAL BEFORE FENCING REMOVAL. REMOVED FENCING SHALL BE REPLACED - SEE BID ITEM 80007.

SANITARY SEWER SCHEDULE

APPENDUM 3 - 9/3/2024 EAC

COMMERCIAL AVENUE SANITARY SEWER
RECONSTRUCTION
PROJECT NO. 14921
SANITARY SEWER SCHEDULE

SHEET NO.
U-7

U-7

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
COMMERCIAL AVENUE (SOUTH)						
• SAS #1	6+40.27	CL	853.53	844.84	8.69	[2]; 6" DIA. SAS
• SAS #2	5+73.28	CL	854.31	845.01	9.30	5" DIA. SAS
• SAS #3	3+50.34	CL	855.49	845.33	10.16	5" DIA. SAS
• SAS #4	3+06.95	CL	851.30	845.55	15.75	[10]

COMMERCIAL AVENUE (NORTH)

• SAS #5	10+22.16	CL	856.54	846.51	9.93	[4]; [5]; 5" DIA. SAS
• SAS #6	6+83.04	CL	855.60	847.14	8.46	[5]; [6]
• SAS #7	6+33.74	CL	855.69	847.38	8.31	[5]
• SAS #8	3+51.08	CL	856.77	848.26	8.51	[5]; [7]
• SAS #9	2+46.28	CL	857.48	848.65	8.83	
• SAS #10	1+04.80	CL	860.32	849.14	11.18	

NORTH FAIR OAKS AVENUE

• SAS #11	1+30.17	CL	861.64	849.53	12.11	[8]
• SAS #12	0+00.00	CL	859.05	849.99	9.06	[9]

PROPOSED SANITARY PIPES

FROM (DNST#)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PVC TYPE	NOTES
COMMERCIAL AVENUE (SOUTH)							
• SAS #1	SAS #2	844.94	845.01	67	0.10%	21"	PS-46
• SAS #2	SAS #3	845.11	845.33	223	0.10%	21"	PS-46
• SAS #3	SAS #4	845.43	845.55	43	0.28%	12"	SDR-26
WISCONSIN HIGHWAY 30							
• SAS #3	SAS #5	845.43	846.51	236	0.50%	21"	[3]; PS-46
COMMERCIAL AVENUE (NORTH)							
• SAS #5	SAS #6	846.71	847.14	339	0.13%	21"	PS-46
• SAS #6	SAS #7	847.24	847.38	49	0.28%	18"	PS-46
• SAS #7	SAS #8	847.48	848.26	283	0.28%	18"	PS-46
• SAS #8	SAS #9	848.36	848.65	105	0.28%	18"	PS-46
• SAS #9	SAS #10	848.75	849.14	141	0.28%	18"	PS-46
• SAS #10	SAS #11	849.24	849.53	105	0.28%	18"	PS-46
NORTH FAIR OAKS AVENUE							
• SAS #11	SAS #12	849.53	849.99	130	0.28%	18"	PS-46

SPECIFIC NOTES

- INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH S.D.D. 5.7.2 ON STRUCTURES SAS #1 THROUGH SAS #12.
- MMSD STRUCTURE - CONSTRUCT IN CONFORMANCE WITH MMSD SPECIFICATIONS (SEE DETAIL DRAWING ON SHEET D-1). CONNECT TO EX MMSD 12" AC MAIN (E/E) = 844.84). COORDINATE WITH MMSD PRIOR TO INSTALLATION
- INSTALL 21" SANITARY SEWER MAIN WITH PIPE CASING BENEATH W/ HWY 30 USING BORE AND JACK METHOD, MIN 42" DIA. CASING, SIZE TO BE DETERMINED BY CONTRACTOR
- 8" TAP (E/E) = 847.70 & 8" TAP (E/N) = 847.66) FOR UPSTREAM MAIN CONNECTIONS
- INSTALL INTERNAL CHIMNEY SEAL IN CONFORMANCE WITH S.D.D. 5.7.17
- OUTSIDE DROP 1.14 V.F., 8" TAP (E/N) = 849.16 FOR OUTSIDE DROP UPPER CONNECTION
- 8" TAP (E/N) = 849.00) FOR UPSTREAM MAIN CONNECTION
- OUTSIDE DROP 3.90 V.F., 8" TAP (E/N) = 854.18 FOR OUTSIDE DROP UPPER CONNECTION
- 8" TAP (E/W) = 850.99) FOR UPSTREAM MAIN CONNECTION.
- 12" TAP (E/W) = 845.65) FOR UPSTREAM MAIN CONNECTION

SANITARY SEWER SCHEDULE

ADDENDUM 3 - 9/3/2024 EAC

COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION
PROJECT NO. 14821
SANITARY SEWER SCHEDULE

SHEET NO.
U-8

REVISION

SANITARY STRUCTURE REMOVALS & ABANDONMENTS

STRUC ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
COMMERCIAL AVENUE (SOUTH)						
● MMSD MH10-305	6+40.27	CL	853.53	844.84	8.69	REM. CIRCULAR 5' DIA.
● SAS6237-002	3+06.95	CL	861.30	845.65	15.65	REM. CIRCULAR 5' DIA.
● SAS6237-001	0+00.00	LT-16.00	856.72	846.28	13.44	REM.-CIRCULAR-5-DIA.
COMMERCIAL AVENUE (NORTH)						
● SAS6236-013	10+22.16	CL	856.54	847.55	8.88	REM. CIRCULAR 5' DIA.
SAS6236-012	6+83.32	CL	855.65	846.81	8.84	REM. CIRCULAR 5' DIA.
SAS6236-005	3+53.07	RT-32.40	862.76	846.76	14.00	ABN. CIRCULAR 5' DIA.
NORTH FAIR OAKS AVENUE						
SAS6236-001	0+00.00	CL	859.02	850.70	8.32	REM. CIRCULAR 4' DIA.

SANITARY PIPE REMOVALS & ABANDONMENTS

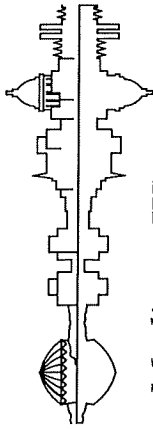
REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	REM LGTH (FT)	REM LGTH PAID (FT)	ABN LGTH (FT)	SLURRY CY	PIPE SIZE	PIPE TYPE	NOTES
COMMERCIAL AVENUE (SOUTH)										
MMSD MH10-305	SAS6237-002	331	Y	-	-	331	-	12"	CIP-VCP	[1]; APRX 2 PLUGS
● SAS6237-002	SAS6237-001	307	Y	-	-	307	-	42"	CIP-VCP	[3]; APRX 2 PLUGS
WISCONSIN HIGHWAY 30										
SAS6237-001	SAS6236-012	218	Y	-	-	218	4.40	10"	CI	[2]
COMMERCIAL AVENUE (NORTH)										
● SAS6236-013	SAS6236-012	339	N	339	-	-	-	10"	CIP-VCP	
SAS6236-012	SAS6236-005	330	Y	-	-	330	-	8"	VCP	[3]; APRX 2 PLUGS
SAS6236-005	SAS6236-001	321	Y	-	-	321	4.15	8"	VCP	[2]
SAS6236-005	SAS #8	33	Y	-	-	33	0.43	8"	VCP	[2]
NORTH FAIR OAKS AVENUE										
● SAS6236-001	SAS #11	130	N	130	-	-	-	8"	VCP	

SANITARY ULO SCHEDULE

ID NO. (OFFSET)	STATION	LOCATION (OFFSET)	TYPE
COMMERCIAL AVENUE (SOUTH)			
● ULO1-FO	3+46.39	LT-6.38	1.25" FIBER OPTIC
● ULO7-FO	3+28.65	CL	1.25" FIBER OPTIC
COMMERCIAL AVENUE (NORTH)			
ULO3-FO	0+20.85	CL	1.25" FIBER OPTIC
ULO4-G	0+06.35	CL	6" STEEL GAS
NORTH FAIR OAKS AVENUE			
ULO4-G	1+03.55	CL	0.5" STEEL GAS
ULO5-W	0+86.90	CL	WATER SERVICE
ULO6-G	0+35.30	CL	0.5" STEEL GAS

SPECIFIC NOTES

- [1] ABANDON PIPE WITH PLUGS, 12" PLUG PAID UNDER BID ITEM 20336 - PIPE PLUG
- [2] ABANDON PIPE WITH SLURRY - PIPE PLUG NOT PAID, INCIDENTAL TO SLURRY ABANDONMENT
- [3] ABANDON PIPE WITH PLUGS, 8" PLUG NOT PAID, INCIDENTAL TO CONNECTING STRUCTURE REMOVAL/ABANDONMENT



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

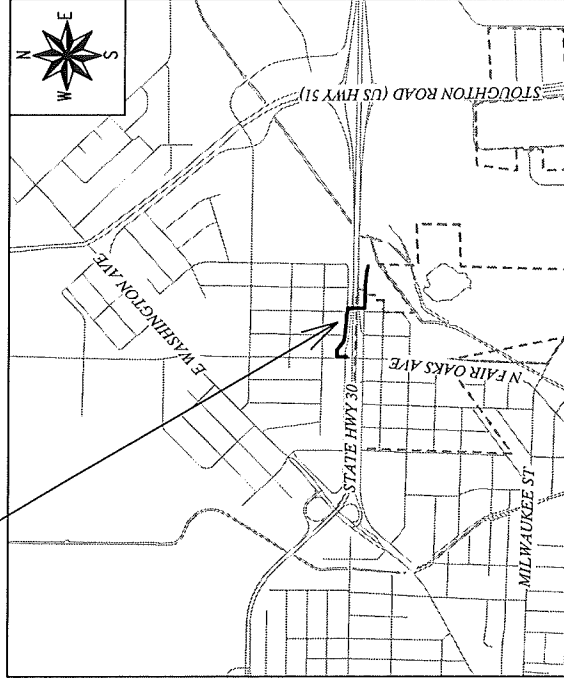
DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

INDEX OF SHEETS	MMSD STRUCTURE DETAILS
SHEET NO. D-1	CROSSING DETAIL & NOTES
SHEET NO. D-2	TYPICAL SECTIONS
SHEET NO. D-3	MEDIAN REMOVAL PLAN
SHEET NO. D-4	EROSION CONTROL PLANS
SHEET NO. EC-1 - EC-6	MEDIAN ISLAND PLAN
SHEET NO. P-1	UTILITY PLAN & PROFILES
SHEET NO. U-1 - U-6	SANITARY SEWER SCHEDULE
SHEET NO. U-7 - U-8	

COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION

PROJECT CITY PROJECT NO. 14921
LOCATION CONTRACT NO. 9486



CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	G
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	W
BURIED ELECTRIC	E
OVERHEAD ELECTRIC	OH
POWER POLE	□
ADA COMPLIANT RAMP W/	▤
DETECTABLE WARNING FIELD	▤
COMBUSTIBLE FLUIDS	☈

NOTES:
ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE
OF 0.50% TOWARD STORM SEWER INLETS.

PUBLIC IMPROVEMENT PROJECT
APPROVED

AUGUST 6, 2024

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

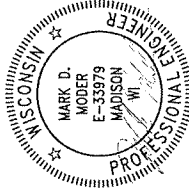
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature]

Aug 15, 2024

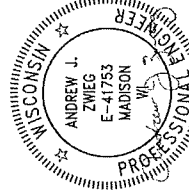
City Engineer

SANITARY SEWER
DESIGNED BY:



Aug 15, 2024

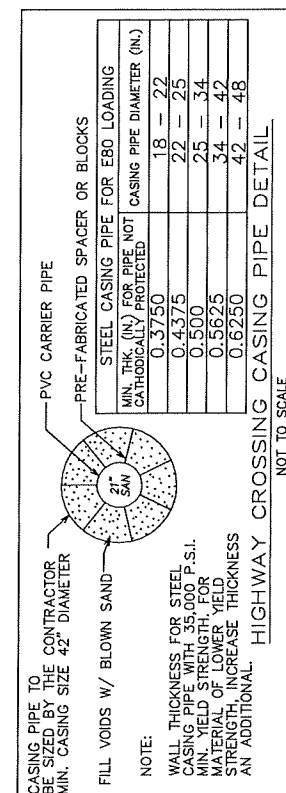
STREET
DESIGNED BY:



Aug 15, 2024

DRG/INK

DRG/MLM



NOTE:

MIN. THICK. (IN.) FOR PIPE NOT SATISFACTORY PROTECTED	CASING PIPE DIAMETER (IN.)
0.3750	18 - 22
0.4375	22 - 25
0.500	25 - 34
0.5625	34 - 42
0.6250	42 - 48

WALL THICKNESS FOR STEEL SHALL BE IN ACCORDANCE WITH AISC 360. MIN. YIELD STRENGTH SHALL BE 36,000 P.S.I. MATERIAL OF LOWER YIELD STRENGTH, INCREASE THICKNESS AN ADDITIONAL 1/8\"/>

- UTILITY SHEET NOTES:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WISDOT PERMIT DT1553 - APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY, ON BEHALF OF THE CITY OF MADISON. THIS PERMIT COVERS SEWER CONSTRUCTION ON WISDOT RIGHT-OF-WAY AND WORK ON N FAIR OAKS AVE THAT ENCROACHES ON THE WI HWY 30 EXIT RAMP.
 2. INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH S.D.D. 5.7.2 ON STRUCTURES SAS #1 THROUGH SAS #12.
 3. UTILITY TRENCH PATCH TYPE III SHALL BE INSTALLED FOR AREAS OF ASPHALT PAVEMENT RESTORATION AND UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED FOR AREAS OF GRAVEL PATH RESTORATION. UTILITY TRENCH PATCHING SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT).
 4. CONCRETE PAVEMENT RECONSTRUCTION ON N FAIR OAKS AVENUE WILL BE REQUIRED FOLLOWING SEWER CONSTRUCTION. CONCRETE PAVEMENT RECONSTRUCTION SHALL BE PAID BY THE SQUARE YARD UNDER BID ITEM 40411.
 5. REMOVE EXISTING MEDIAN ON N FAIR OAKS AVE FOR SEWER CONSTRUCTION AND MAINTENANCE OF TRAFFIC. RECONSTRUCT MEDIAN FOLLOWING SEWER CONSTRUCTION - SEE D-3, D-4, & P-1.
 6. EXISTING SURFACE GRADES FOR WI HWY 30 ARE BASED UPON LIDAR AND NOT SURVEY.

* 20" AWWA C-900 DR-18 SHALL BE PAID UNDER BID ITEM 50326 - 21 INCH PVC

- SAS #1 NOTES:
- 1) SAS #1 WILL BE AN MMSD STRUCTURE. THE STRUCTURE WILL BE RENAMED MH10-305A FOLLOWING COMPLETION OF THE PROJECT.
 - 2) SAS #1 SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MMSD STANDARD DETAIL DRAWINGS SHOWN ON SHEET D-1 AND AS OUTLINED IN THE SPECIAL PROVISIONS.
 - 3) CONTRACTOR SHALL CONTACT RAY SCHNEIDER (608) 347-3628 OR RAYS@MADSEWER.ORG, FIVE DAYS PRIOR TO MAKING THE CONNECTION TO MMSD SEWER MAIN TO ARRANGE INSPECTION OF SAS #1 INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING FOR MMSD CONNECTION PERMIT, PERMIT FEE, AND MEETING ALL MMSD PERMIT REQUIREMENTS.
 - 4) SALVAGE AND RE-USE CASTING AND RINGS FROM EXISTING STRUCTURE (MMSD MH10-305) FOR SAS #1. CONTACT RAY SCHNEIDER IF ADDITIONAL RINGS ARE NEEDED.

01/21/2017

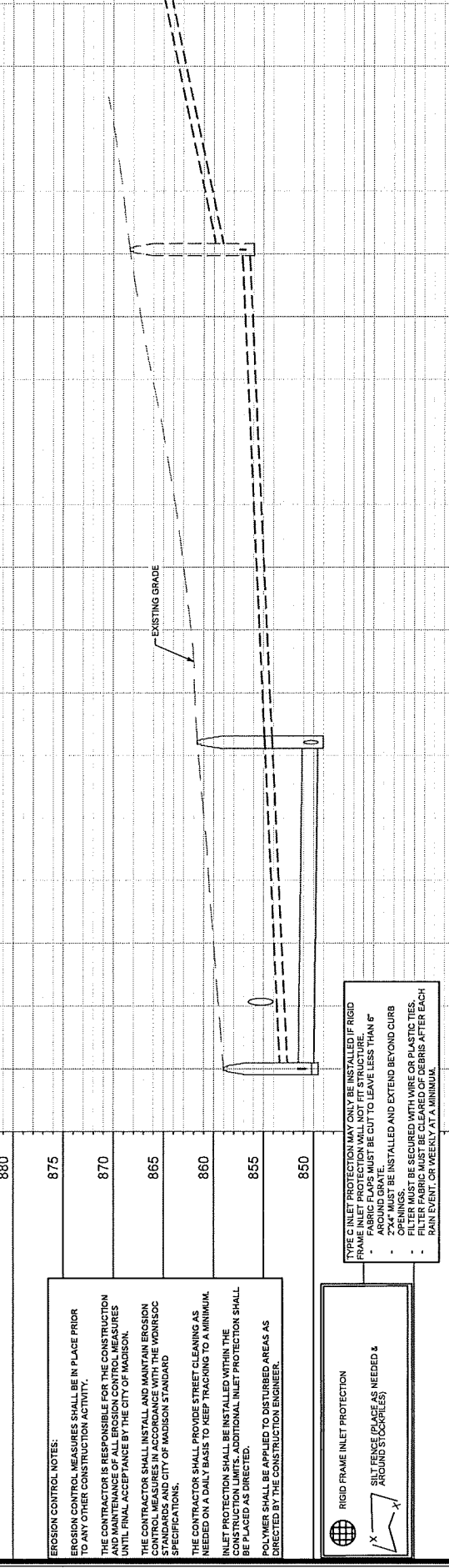
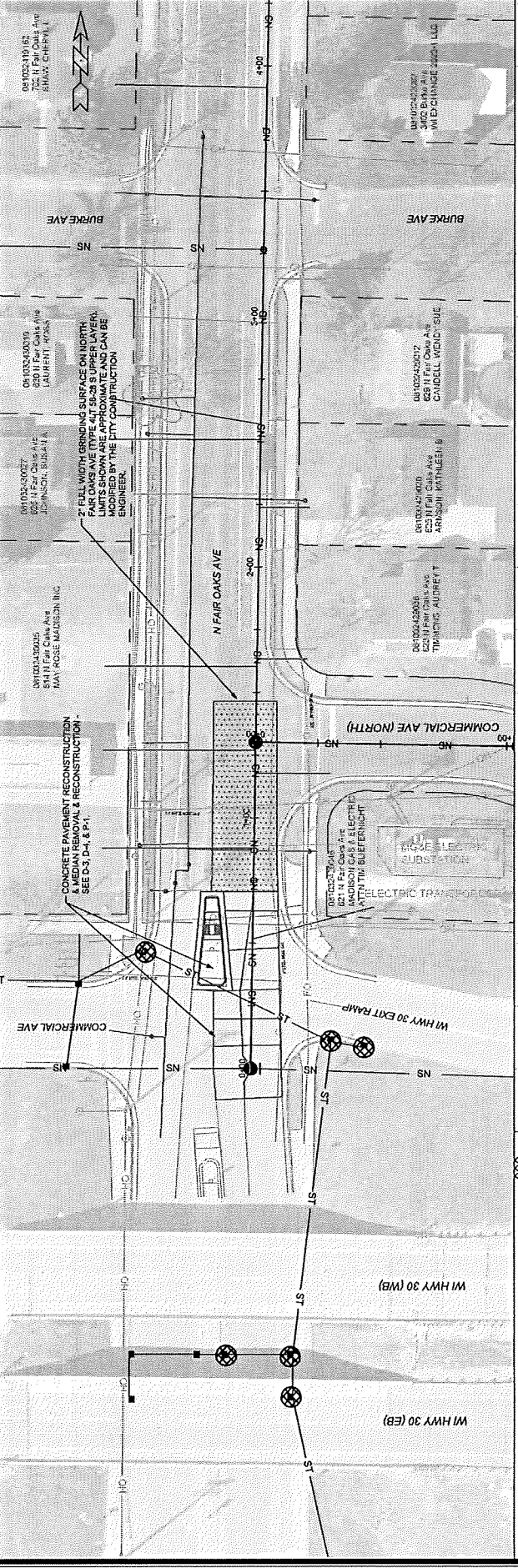
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14921
 9486
 CONTRACT NO:
 MADISON, WI
 14921

EROSION CONTROL PLAN - NORTH FAIR OAKS AVENUE
 COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION
 MDESIGNPROJ06114921\CD\Drawings\14921SWR-ErosionControl.dwg



14921
 EC-1



880	
875	
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835	

EROSION CONTROL NOTES:
 EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.
 THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION OF EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.
 THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES TO THE WISCONSIN STANDARDS AND CITY OF MADISON STANDARDS SPECIFICATIONS.
 THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACING TO A MINIMUM.
 INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE PLACED AS DIRECTED.
 POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

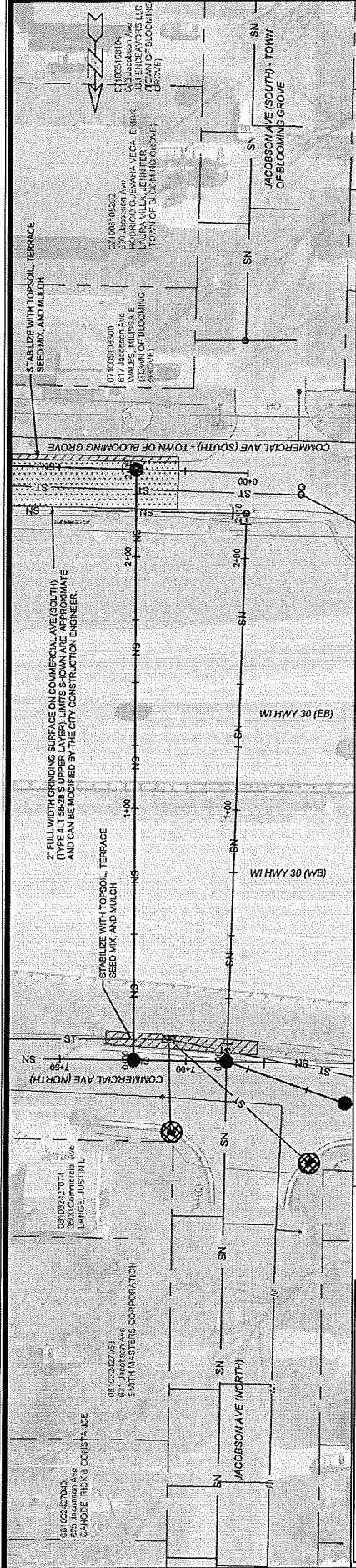
RIGID FRAME INLET PROTECTION
 SILT FENCE (PLACE AS NEEDED & AROUND STOCKPILES)

- TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME INLET PROTECTION WILL NOT FIT STRUCTURE.
- FABRIC FLAPS MUST BE CUT TO LEAVE LESS THAN 1" OPENINGS.
- 2"x4" MUST BE INSTALLED AND EXTEND BEYOND CURB OPENINGS.
- FILTER MUST BE SECURED WITH WIRE OR PLASTIC TIES.
- FILTER FABRIC MUST BE CLEARED OF DEBRIS AFTER EACH RAIN EVENT, OR WEEKLY AT A MINIMUM.

DWG 1/18/14



14921
 EC-4



865	EXISTING GRADE (BASED ON LIBRARY AND NOT SURVEY)	865	EXISTING GRADE (BASED ON LIBRARY AND NOT SURVEY)
860		860	
855		855	
850		850	
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865		865	
860		860	
855		855	
850		850	
845		845	
840		840	
835		835	

EROSION CONTROL NOTES:
 EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.
 THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.
 THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNRSC SPECIFICATIONS.
 THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.
 INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE PLACED AS DIRECTED.
 POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

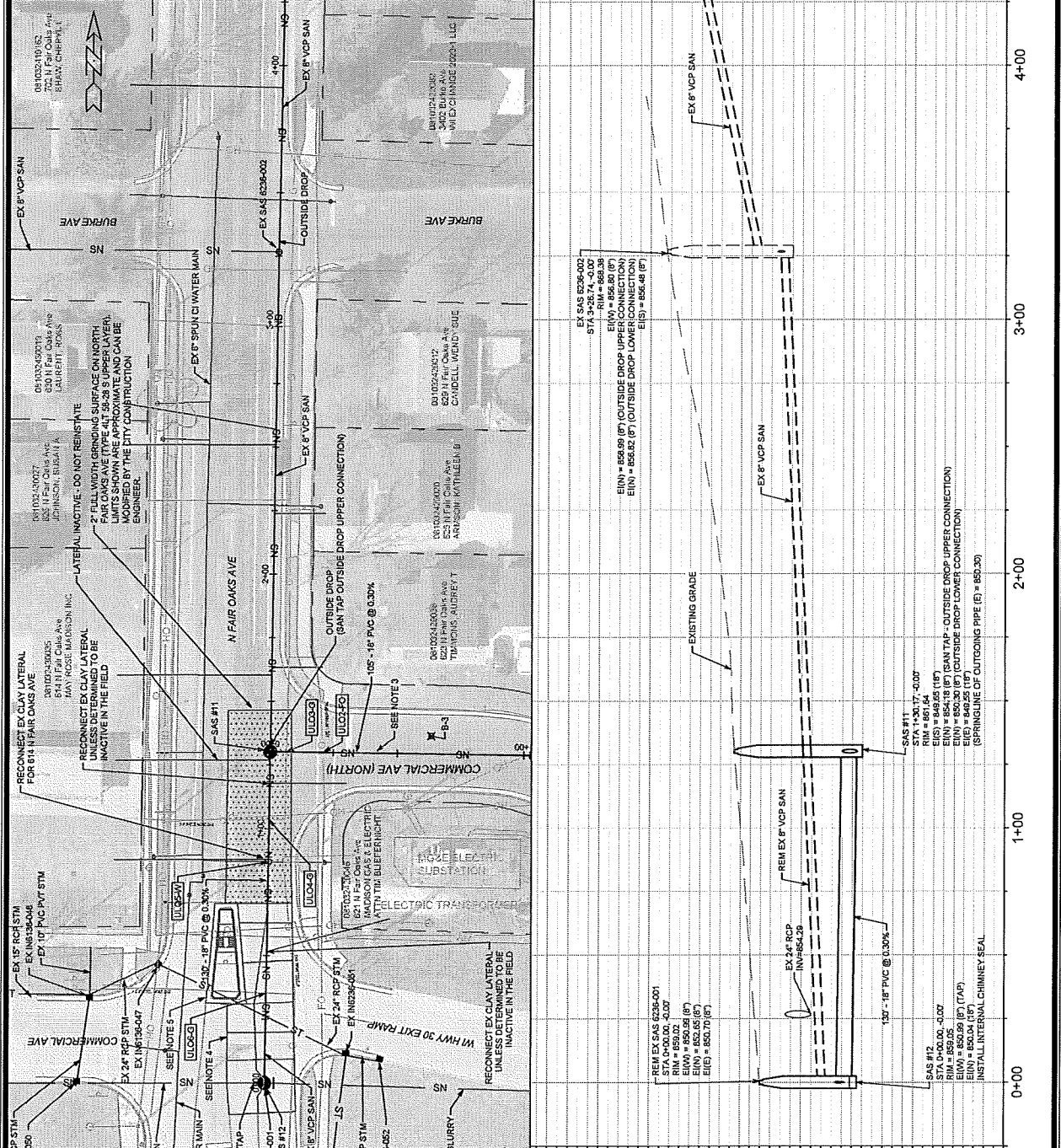


TYPE C INLET PROTECTION MAY ONLY BE INSTALLED IF RIGID FRAME INLET PROTECTION WILL NOT FIT STRUCTURE.
 - FRAME MUST BE CUT TO LEAVE LESS THAN 6" AROUND GATE.
 - 2"x4" MUST BE INSTALLED AND EXTEND BEYOND CURB OPENINGS.
 - GATES MUST BE COVERED WITH WIRE OR PLASTIC TIES.
 - FILTER FABRIC MUST BE CLEARED OF DEBRIS AFTER EACH RAIN EVENT, OR WEEKLY AT A MINIMUM.

PROPOSED HWY 30 CROSSING

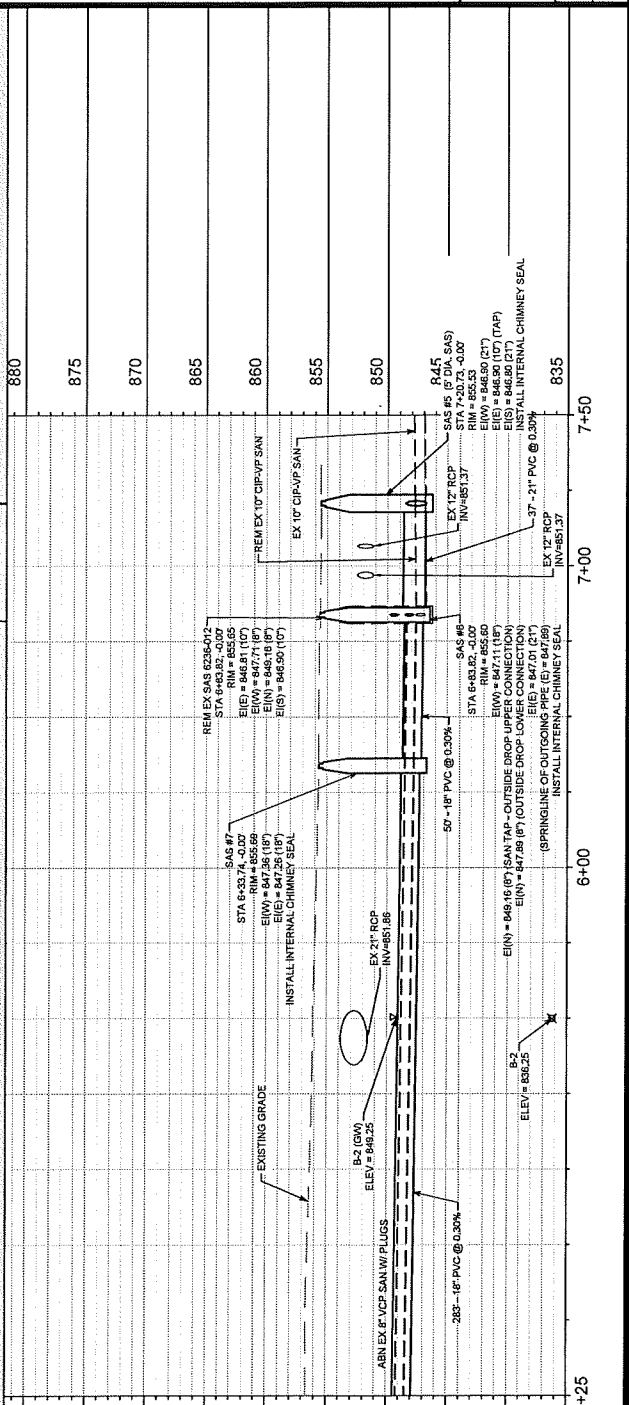
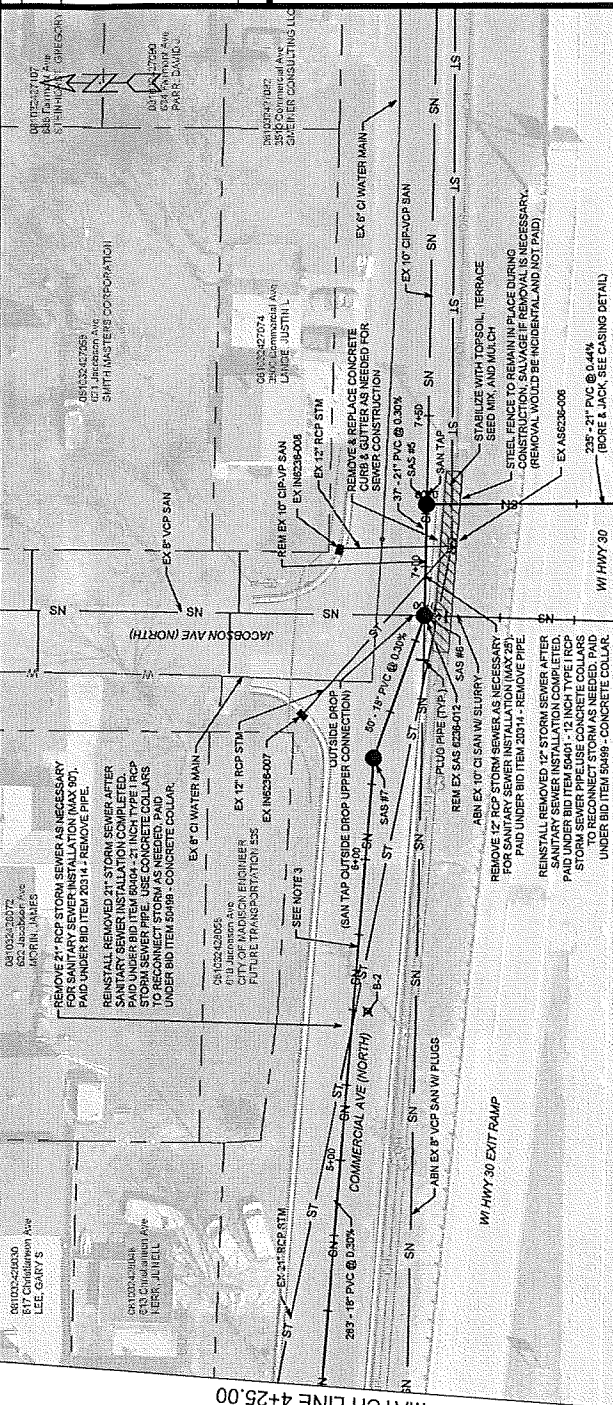
EXISTING HWY 30 CROSSING

ORIGINAL



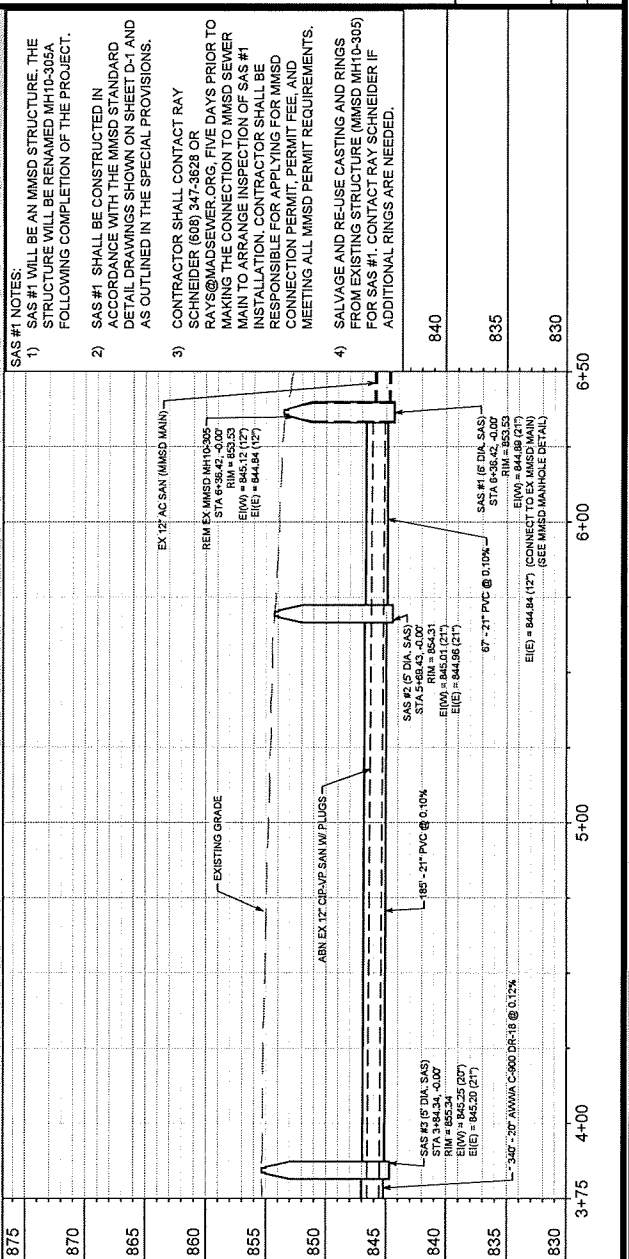
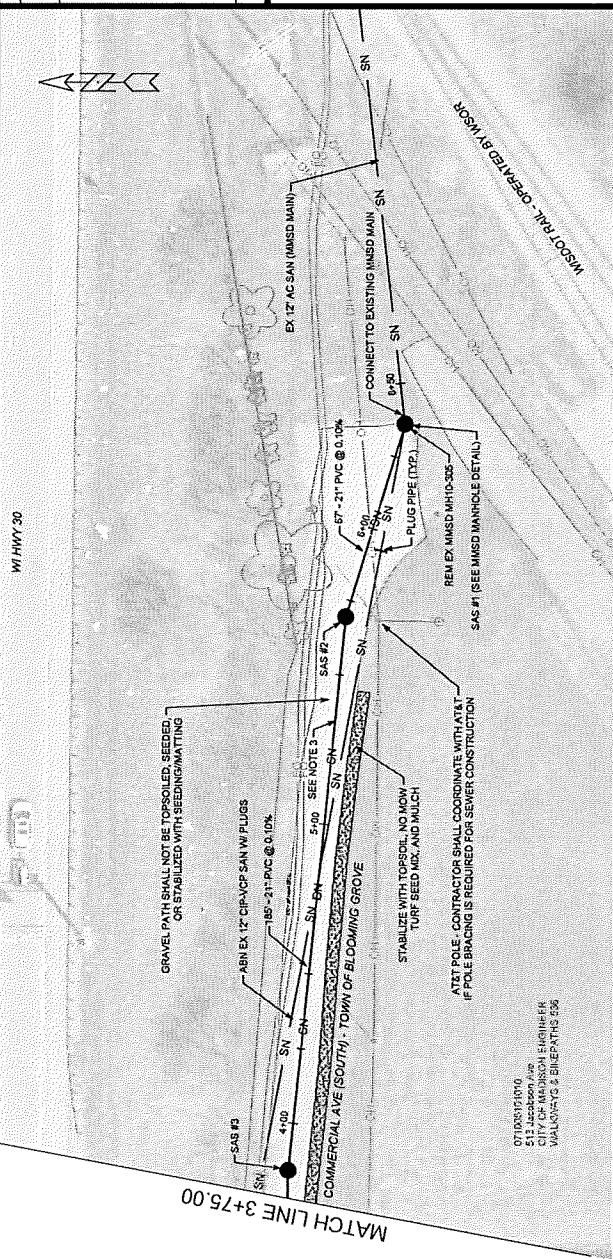
Station	Profile Description
880	RECONNECT EX CLAY LATERAL - UNLESS DETERMINED TO BE INACTIVE IN THE FIELD
875	RECONNECT EX CLAY LATERAL - UNLESS DETERMINED TO BE INACTIVE IN THE FIELD
870	RECONNECT EX CLAY LATERAL - UNLESS DETERMINED TO BE INACTIVE IN THE FIELD
865	RECONNECT EX CLAY LATERAL - UNLESS DETERMINED TO BE INACTIVE IN THE FIELD
860	RECONNECT EX CLAY LATERAL - UNLESS DETERMINED TO BE INACTIVE IN THE FIELD
855	RECONNECT EX CLAY LATERAL - UNLESS DETERMINED TO BE INACTIVE IN THE FIELD
850	RECONNECT EX CLAY LATERAL - UNLESS DETERMINED TO BE INACTIVE IN THE FIELD
845	RECONNECT EX CLAY LATERAL - UNLESS DETERMINED TO BE INACTIVE IN THE FIELD
840	RECONNECT EX CLAY LATERAL - UNLESS DETERMINED TO BE INACTIVE IN THE FIELD
835	RECONNECT EX CLAY LATERAL - UNLESS DETERMINED TO BE INACTIVE IN THE FIELD

UTILITY SHEET NOTES:
 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WISDOT PERMIT DT1553 - APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY, ON BEHALF OF THE CITY OF MADISON. THIS PERMIT COVERS SEWER CONSTRUCTION ON WISDOT RIGHT-OF-WAY AND WORK ON N FAIR OAKS AVE THAT ENCLOSES ON THE W HWY 30 EXIT RAMP.
 2. INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH S.D.D. 5.7.2 ON STRUCTURES SAS #1 THROUGH SAS #12.
 3. UTILITY TRENCH PATCH TYPE III SHALL BE INSTALLED FOR AREAS OF ASPHALT PAVEMENT RESTORATION AND UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED FOR AREAS OF GRAVEL PATH RESTORATION. UTILITY TRENCH PATCHING SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT).
 4. CONCRETE PAVEMENT RECONSTRUCTION ON N FAIR OAKS AVENUE WILL BE REQUIRED FOLLOWING SEWER CONSTRUCTION. CONCRETE PAVEMENT RECONSTRUCTION SHALL BE PAID BY THE SQUARE YARD UNDER BID ITEM 40411.
 5. REMOVE EXISTING MEDIAN ON N FAIR OAKS AVE FOR SEWER CONSTRUCTION AND MAINTENANCE OF TRAFFIC. RECONSTRUCT MEDIAN FOLLOWING SEWER CONSTRUCTION - SEE D-3, D-4, & P-1.
 6. EXISTING SURFACE GRADES FOR W HWY 30 ARE BASED UPON LIDAR AND NOT SURVEY.



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UTILITY SHEET NOTES:
 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WISDOT PERMIT DT1553 - APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY, ON BEHALF OF THE CITY OF MADISON. THIS PERMIT COVERS SEWER CONSTRUCTION ON WISDOT RIGHT-OF-WAY AND WORK ON N FAIR OAKS AVE THAT ENCLOSES ON THE WI HWY 30 EXIT RAMP.
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 6. EXISTING SURFACE GRADES FOR WI HWY 30 ARE BASED UPON LIDAR AND NOT SURVEY.



Station	Notes
875	UTILITY SHEET NOTES: 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WISDOT PERMIT DT1553 - APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY ON BEHALF OF THE CITY OF MADISON. THIS PERMIT COVERS SEWER CONSTRUCTION ON WISDOT RIGHT-OF-WAY AND WORK ON N FAIR OAKS AVE THAT ENCROACHES ON THE WI HWY 30 EXIT RAMP.
870	
865	
860	2. INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH S.D.D. 5.7.2 ON STRUCTURES SAS #1 THROUGH SAS #12.
855	3. UTILITY TRENCH PATCH TYPE III SHALL BE INSTALLED FOR AREAS OF ASPHALT PAVEMENT RESTORATION AND UTILITY TRENCH PATCH TYPE IV SHALL BE INSTALLED FOR AREAS OF GRAVEL PATH RESTORATION. UTILITY TRENCH PATCHING SHALL BE PAID BY LINEAR FOOT OF TRENCH (TRENCH-FOOT).
850	4. CONCRETE PAVEMENT RECONSTRUCTION ON N FAIR OAKS AVENUE WILL BE REQUIRED FOLLOWING SEWER CONSTRUCTION. CONCRETE PAVEMENT RECONSTRUCTION SHALL BE PAID BY THE SQUARE YARD UNDER BID ITEM 40411.
845	5. REMOVE EXISTING MEDIAN ON N FAIR OAKS AVE FOR SEWER CONSTRUCTION AND MAINTENANCE OF TRAFFIC. RECONSTRUCT MEDIAN FOLLOWING SEWER CONSTRUCTION - SEE D-3, D-4, & P-1.
840	6. EXISTING SURFACE GRADES FOR WI HWY 30 ARE BASED UPON LIDAR AND NOT SURVEY.
835	
830	

SAS #1 NOTES:

- SAS #1 WILL BE AN MMSD STRUCTURE. THE STRUCTURE WILL BE RENAMED MH10-306A FOLLOWING COMPLETION OF THE PROJECT.
- SAS #1 SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MMSD STANDARD DETAIL DRAWINGS SHOWN ON SHEET D-1 AND AS OUTLINED IN THE SPECIAL PROVISIONS.
- CONTRACTOR SHALL CONTACT RAY SCHNEIDER (608) 347-3828 OR RAYS@MADSEWER.ORG, FIVE DAYS PRIOR TO MAKING THE CONNECTION TO MMSD SEWER MAIN TO ARRANGE INSPECTION OF SAS #1 INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING FOR MMSD CONNECTION PERMIT, PERMIT FEE, AND MEETING ALL MMSD PERMIT REQUIREMENTS.
- SALVAGE AND RE-USE CASTING AND RINGS FROM EXISTING STRUCTURE (MMSD MH10-305) FOR SAS #1. CONTACT RAY SCHNEIDER IF ADDITIONAL RINGS ARE NEEDED.

07/15/2024 10:10
 511.00000000
 CITY OF MADISON ENGINEER
 VALADYASIS & BINEPATS 536

SANITARY SEWER SCHEDULE

COMMERCIAL AVENUE SANITARY SEWER
RECONSTRUCTION
PROJECT NO. 14921
SANITARY SEWER SCHEDULE

SHEET NO.
U-7

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
COMMERCIAL AVENUE (SOUTH)						
SAS #1	6+36.42	CL	853.53	844.84	8.69	[2]; 6" DIA. SAS
SAS #2	5+69.43	CL	854.31	844.96	9.35	5" DIA. SAS
SAS #3	3+84.34	CL	855.34	845.20	10.14	5" DIA. SAS
SAS #4	0+44.34	CL	858.45	845.66	12.79	5" DIA. SAS

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PVC TYPE	NOTES
COMMERCIAL AVENUE (SOUTH)							
SAS #1	SAS #2	844.89	844.96	67	0.10%	21"	
SAS #2	SAS #3	845.01	845.20	185	0.10%	21"	
SAS #3	SAS #4	845.25	845.66	340	0.12%	20"	[10]; AWWA C-900 DR-18

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PVC TYPE	NOTES
WISCONSIN HIGHWAY 30							
SAS #4	SAS #5	845.76	846.80	235	0.44%	21"	[3]

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PVC TYPE	NOTES
COMMERCIAL AVENUE (NORTH)							
SAS #5	SAS #6	846.90	847.01	37	0.30%	21"	
SAS #6	SAS #7	847.11	847.26	50	0.30%	18"	
SAS #7	SAS #8	847.36	848.21	283	0.30%	18"	
SAS #8	SAS #9	848.31	848.62	105	0.30%	18"	
SAS #9	SAS #10	848.72	849.14	141	0.30%	18"	
SAS #10	SAS #11	849.24	849.55	105	0.30%	18"	

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PVC TYPE	NOTES
NORTH FAIR OAKS AVENUE							
SAS #11	SAS #12	849.65	850.04	130	0.30%	18"	

SPECIFIC NOTES

- INSTALL EXTERNAL SAS WRAP IN CONFORMANCE WITH S.D.D. 5.7.2 ON STRUCTURES SAS #1 THROUGH SAS #12.
- MINSD STRUCTURE - CONSTRUCT IN CONFORMANCE WITH MINSD SPECIFICATIONS (SEE DETAIL DRAWING ON SHEET D-1) CONNECT TO EX MAIN (E/E) = 844.84, COORDINATE WITH MINSD PRIOR TO INSTALLATION
- INSTALL 21" SANITARY SEWER MAIN WITH PIPE CASING BENEATH HWY 30 USING BORE AND JACK METHOD - MIN 42" DIA. CASING. SIZE TO BE DETERMINED BY CONTRACTOR
- 10" TAP (E/E) = 846.90 FOR UPSTREAM MAIN CONNECTION
- INSTALL INTERNAL CHIMNEY SEAL IN CONFORMANCE WITH S.D.D. 5.7.17
- OUTSIDE DROP 1.27 V.F., 8" TAP (E/E) = 849.16 FOR OUTSIDE DROP UPPER CONNECTION
- 8" TAP (E/E) = 849.00 FOR UPSTREAM MAIN CONNECTION
- OUTSIDE DROP 1.88 V.F., 8" TAP (E/E) = 854.18 FOR OUTSIDE DROP UPPER CONNECTION
- 8" TAP (E/E) = 850.99 FOR UPSTREAM MAIN CONNECTION
- [10] 20" AWWA C-900 SHALL BE PAID UNDER BID ITEM 80226 - 21 INCH PVC PRESSURE SANITARY SEWER PIPE, EXPECT TIGHT WINDOW AT 30" X 60" HERCOP STORM SEWER CROSSING

SANITARY SEWER SCHEDULE

SANITARY STRUCTURE REMOVALS & ABANDONMENTS

STRUC ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.L.	DEPTH	NOTES
COMMERCIAL AVENUE (SOUTH)						
MMSD MH10-305	6+36.42	CL	853.53	844.84	8.69	REM. CIRCULAR 5' DIA.
SAS6237-002	3+06.92	LT-20.75	861.30	845.65	15.65	ABN. CIRCULAR 5' DIA.
SAS6237-001	0+00.00	LT-16.00	858.72	846.28	12.44	REM. CIRCULAR 5' DIA.
COMMERCIAL AVENUE (NORTH)						
SAS6236-012	6+83.82	CL	855.65	846.81	8.84	REM. CIRCULAR 5' DIA.
SAS6236-005	3+53.07	RT-32.40	862.76	848.76	14.00	ABN. CIRCULAR 5' DIA.
NORTH FAIR OAKS AVENUE						
SAS6235-001	0+00.00	CL	859.02	850.70	8.32	REM. CIRCULAR 4' DIA.

SANITARY PIPE REMOVALS & ABANDONMENTS

REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	REM LGTH (FT)	REM LGTH PAID (FT)	ABN LGTH (FT)	SLURRY CT	PIPE SIZE	PIPE TYPE	NOTES
COMMERCIAL AVENUE (SOUTH)										
MMSD MH10-305	SAS6237-002	331	Y	-	-	331	-	12"	CIP-VCP	[1]; APRX 2 PLUGS
SAS6237-002	SAS6237-001	307	Y	-	-	307	-	12"	CIP-VCP	[1]; APRX 2 PLUGS
WISCONSIN HIGHWAY 30										
SAS6237-001	SAS6236-012	218	Y	-	-	218	4.40	10"	CI	[2]
COMMERCIAL AVENUE (NORTH)										
SAS #5	SAS6236-012	37	N	37	-	-	-	10"	CIP-VCP	
SAS6236-012	SAS6236-005	330	Y	-	-	330	-	8"	VCP	[3]; APRX 2 PLUGS
SAS6236-005	SAS6236-001	321	Y	-	-	321	4.15	8"	VCP	[2]
SAS6236-005	SAS #8	33	Y	-	-	33	0.43	8"	VCP	[2]
NORTH FAIR OAKS AVENUE										
SAS6235-001	SAS #1	130	N	130	-	-	-	8"	VCP	

SANITARY ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE
COMMERCIAL AVENUE (SOUTH)			
UL01-FO	6+43.77	LT-17.83	1.25" FIBER OPTIC
COMMERCIAL AVENUE (NORTH)			
UL02-FO	6+20.85	CL	1.25" FIBER OPTIC
UL03-G	0+66.35	CL	6" STEEL GAS
NORTH FAIR OAKS AVENUE			
UL04-G	1+03.55	CL	0.5" STEEL GAS
UL05-W	0+86.90	CL	WATER SERVICE
UL06-G	0+35.30	CL	0.5" STEEL GAS

SPECIFIC NOTES

- [1] ABANDON PIPE WITH PLUGS, 12" PLUG PAID UNDER BID ITEM 20336 - PIPE PLUG
- [2] ABANDON PIPE WITH SLURRY - PIPE PLUG NOT PAID, INCIDENTAL TO SLURRY ABANDONMENT
- [3] ABANDON PIPE WITH PLUGS, 8" PLUG NOT PAID, INCIDENTAL TO CONNECTING STRUCTURE REMOVAL/ABANDONMENT

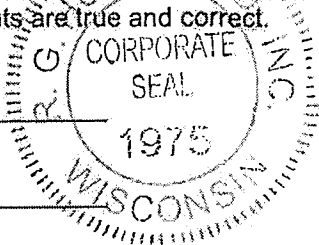
SECTION E: BIDDERS ACKNOWLEDGEMENT

**COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION
CONTRACT NO. 9486**

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.

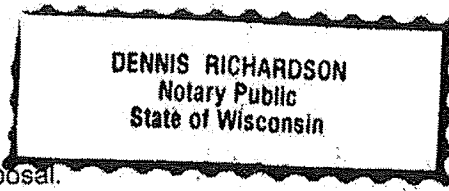
1. The undersigned having familiarized himself/herself with the Contract documents, including Advertisement for Bids, Instructions to Bidders, Form of Proposal, City of Madison Standard Specifications for Public Works Construction - 2024 Edition thereto, Form of Agreement, Form of Bond, and Addenda issued 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 3 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 R.G. Huston Co., Inc. (name of corporation, partnership, or person submitting bid) a corporation organized and existing under the laws of the State of Wisconsin ~~a partnership consisting of _____; an individual trading as _____ of the City of _____ State of _____~~; that I have examined and carefully prepared this Proposal, from the plans and specifications and have checked the same in detail before submitting this Proposal; that I have fully authority to make such statements and submit this Proposal in (its, their) behalf, and that the said statements are true and correct.

BRH
SIGNATURE
Brad Huston - President
TITLE, IF ANY



Sworn and subscribed to before me this 12th day of September, 2024.

Dennis Richardson
(Notary Public or other officer authorized to administer oaths)
My Commission Expires 1/10/28



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

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

Commercial Avenue Sanitary Sewer Reconstruction
CONTRACT NO. 9486
Small Business Enterprise Compliance Report

Cover Sheet

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

Prime Bidder Information:

Company: R.G. Huston Company, Inc.

Address: 2561 Coffeytown Road
Cottage Grove, WI 53527


Telephone Number: (608) 255-9223

Fax Number: (608) 839-5936

Contact Person/Title: Brad Huston, President

Prime Bidder Certification:

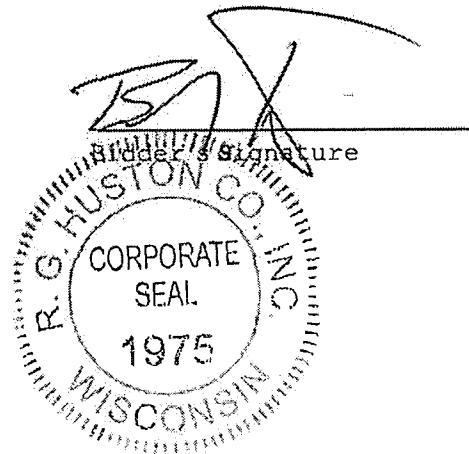
I, Brad Huston, President of R.G. Huston Company, Inc. certify that the information contained in this SBE Compliance Report is true and correct to the best of my knowledge and belief.



Witness' signature

9/12/2024

Date



Commercial Avenue Sanitary Sewer Reconstruction

CONTRACT NO. 9486

Small Business Enterprise Compliance Report

Summary Sheet

This information **MUST** be submitted in a separate sealed envelope marked

"ENVELOPE NO. 2 - SBE COMPLIANCE REPORT".

SBE SUBCONTRACTORS WHO ARE NOT SUPPLIERS

<u>Name(S) of SBEs Utilized</u>	<u>Type of Work</u>	<u>% of Total Bid Amount</u>
Jr's Construction and Landscaping	Landscaping	1.2 %
C.A. Brumm Trucking, Inc.	Trucking	2.4 %
- R.G. Huston is awarding C.A. Brumm a portion of our own work		

Subtotal SBE who are not suppliers: 3.6 %

SBE SUBCONTRACTORS WHO ARE SUPPLIERS

<u>Name(S) of SBEs Utilized</u>	<u>Type of Work</u>	<u>% of Total Bid Amount</u>
Utility Sales and Supply	Casting Supplier	0.5 %

Subtotal SBE who are suppliers: 0.5 % x 0.6 = 0.3 % (discounted to 60%)

Total Percentage of SBE Utilization: 3.9 %

COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION

CONTRACT NO. 9486

DATE: 9/12/24

R. G. Huston Co., Inc.

Item	Quantity	Price	Extension
Section B: Proposal Page			
10701 - TRAFFIC CONTROL - L.S.	1.00	\$6,000.00	\$6,000.00
10911 - MOBILIZATION - L.S.	1.00	\$250,981.75	\$250,981.75
20221 - TOPSOIL - S.Y.	410.00	\$14.00	\$5,740.00
20311 - REMOVE SEWER ACCESS STRUCTURE - EACH	5.00	\$860.00	\$4,300.00
20314 - REMOVE PIPE (UNDISTRIBUTED) - L.F.	90.00	\$37.00	\$3,330.00
20322 - REMOVE CONCRETE CURB & GUTTER - L.F.	260.00	\$11.00	\$2,860.00
20323 - REMOVE CONCRETE SIDEWALK & DRIVE - S.F.	300.00	\$8.00	\$2,400.00
20326 - REMOVE FENCE - L.F.	145.00	\$14.00	\$2,030.00
20331 - ABANDON SEWER ACCESS STRUCTURE - EACH	1.00	\$1,800.00	\$1,800.00
20335 - ABANDON SEWER PIPE WITH SLURRY - C.Y.	8.98	\$1,315.00	\$11,808.70
20336 - PIPE PLUG - EACH	2.00	\$465.00	\$930.00
20710 - NO MOW TURF SEEDING - S.Y.	410.00	\$4.00	\$1,640.00
21021 - SILT FENCE - PROVIDE, INSTALL & MAINTAIN - L.F.	425.00	\$3.50	\$1,487.50
21049 - INLET PROTECTION, RIGID FRAME - PROVIDE AND INSTALL - EACH	9.00	\$300.00	\$2,700.00
21050 - INLET PROTECTION RIGID FRAME - MAINTAIN - EACH	9.00	\$150.00	\$1,350.00
21051 - INLET PROTECTION RIGID FRAME - REMOVE - EACH	9.00	\$65.00	\$585.00
21032 - INLET PROTECTION TYPE C - PROVIDE & INSTALL - EACH	4.00	\$150.00	\$600.00
21033 - INLET PROTECTION TYPE C - MAINTAIN - EACH	4.00	\$100.00	\$400.00
21034 - INLET PROTECTION TYPE C - REMOVE - EACH	4.00	\$50.00	\$200.00
30201 - TYPE "A" CONCRETE CURB & GUTTER - L.F.	60.00	\$52.42	\$3,145.20
30204 - TYPE 'D' CONCRETE CURB & GUTTER - L.F.	200.00	\$44.34	\$8,868.00
30304 - 7-INCH CONCRETE SIDEWALK AND DRIVE - S.F.	300.00	\$12.80	\$3,840.00
30340 - CURB RAMP DETECTABLE WARNING FIELD - S.F.	100.00	\$45.45	\$4,545.00
40102 - CRUSHED AGGREGATE BASE COURSE GRADATION NO. 2 -	200.00	\$29.00	\$5,800.00
40202 - HMA PAVEMENT 4 LT 58-28 S - TON	100.00	\$132.63	\$13,263.00
40218 - TACK COAT - GAL	100.00	\$3.03	\$303.00
40301 - FULL WIDTH GRINDING - S.Y.	300.00	\$17.68	\$5,304.00
40411 - CONCRETE PAVEMENT RECONSTRUCTION - S.Y.	300.00	\$154.75	\$46,425.00
50211 - SELECT FILL FOR STORM SEWER (UNDISTRIBUTED) - T.F.	90.00	\$0.01	\$0.90
50212 - SELECT FILL FOR SANITARY SEWER - T.F.	1485.00	\$0.01	\$14.85
50225 - UTILITY TRENCH PATCH TYPE III - T.F.	1085.00	\$67.30	\$73,020.50
50227 - UTILITY TRENCH PATCH TYPE IV - T.F.	335.00	\$26.00	\$8,710.00
50303 - 12 INCH PVC SANITARY SEWER PIPE (SDR-26) - L.F.	43.00	\$221.00	\$9,503.00
50305 - 18 INCH PVC SANITARY SEWER PIPE - L.F.	813.00	\$193.00	\$156,909.00
50306 - 21 INCH PVC SANITARY SEWER PIPE - L.F.	629.00	\$207.00	\$130,203.00
50356 - RECONNECT - EACH	3.00	\$600.00	\$1,800.00
50390 - SEWER ELECTRONIC MARKERS - EACH	3.00	\$165.00	\$495.00
50404 - 21 INCH TYPE I RCP STORM SEWER PIPE (UNDISTRIBUTED) -	90.00	\$137.00	\$12,330.00
50499 - CONCRETE COLLAR (UNDISTRIBUTED) - EACH	2.00	\$920.00	\$1,840.00
50502 - DEWATERING TYPE II - L.S.	1.00	\$50,000.00	\$50,000.00
50701 - 4' DIA. SANITARY SAS - EACH	8.00	\$6,000.00	\$48,000.00
50702 - 5' DIA. SANITARY SAS - EACH	3.00	\$8,000.00	\$24,000.00
50771 - INTERNAL CHIMNEY SEAL - EACH	4.00	\$340.00	\$1,360.00
50781 - 8 INCH SANITARY SEWER OUTSIDE DROP - V.F.	5.04	\$440.00	\$2,217.60
50791 - SANITARY SEWER TAP - EACH	7.00	\$1,470.00	\$10,290.00
50797 - EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL - EACH	12.00	\$410.00	\$4,920.00
50801 - UTILITY LINE OPENING (ULO) - EACH	9.00	\$625.00	\$5,625.00
90001 - BORE & JACK SANITARY SEWER - 21-INCH - L.F.	236.00	\$1,080.00	\$254,880.00
90002 - 6' DIA. SANITARY SAS - EACH	1.00	\$10,700.00	\$10,700.00

COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION

CONTRACT NO. 9486

DATE: 9/12/24

R. G. Huston Co., Inc.

Item	Quantity	Price	Extension
90003 - HEAVY WASTEWATER CONTROL - L.S.	1.00	\$35,000.00	\$35,000.00
90004 - RELOCATE WATER LATERAL SERVICE (UNDISTRIBUTED) -	1.00	\$4,300.00	\$4,300.00
90006 - EXCAVATION AND HAULING OF CONTAMINATED SOIL (UNDISTRIBUTED) - TON	500.00	\$26.15	\$13,075.00
90007 - PROVIDE AND INSTALL 6-FT, CHAIN LINK FENCE - L.F.	145.00	\$26.00	\$3,770.00
53 Items	Totals		\$1,255,600.00



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

Deputy City Engineer
Bryan Cooper, AIA
Gregory T. Fries, P.E.
Chris J. Petykowski, P.E.

Deputy City Engineer
Kathleen M. Cryan

Principal Engineer 2
John S. Fahrney, P.E.
Janet Schmidt, P.E.

Principal Engineer 1
Mark D. Moder, P.E.
Andrew J. Zwieg, P.E.

Financial Manager
Steven B. Danner-Rivers

BIENNIAL BID BOND

R.G. Huston Co., Inc.

(a corporation of the State of Wisconsin)

(individual), (partnership), (hereinafter referred to as the "Principal") and

Travelers Casualty and Surety Company of America

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

The condition of this obligation is that the Principal has submitted to the City certain bids for projects from the time period of February 1, 2024 through January 31, 2026.

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

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

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

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

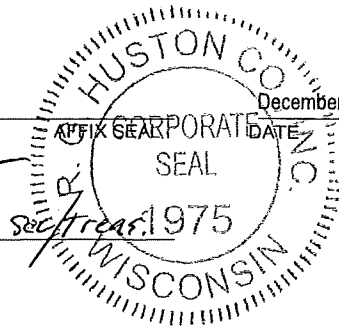
IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, on the day and year set forth below.

PRINCIPAL

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

December 20, 2023
DATE

By: [Signature]
SIGNATURE AND TITLE



SURETY

Travelers Casualty and Surety Company of America
COMPANY NAME AFFIX SEAL

December 20, 2023
DATE

By: [Signature]
SIGNATURE AND TITLE Attorney-in-Fact

This certifies that I have been duly licensed as an agent for the Surety in Wisconsin under National Provider No. 6523593 for the year 2023 and appointed as attorney in fact with authority to execute this bid bond, which power of attorney has not been revoked.

December 20, 2023
DATE

[Signature]
AGENT SIGNATURE

740 Regent St., Ste 400
ADDRESS

Madison, WI 53715
CITY, STATE AND ZIP CODE

608-257-3795
TELEPHONE NUMBER

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



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

POWER OF ATTORNEY

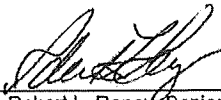
KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that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

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this 21st day of April, 2021.



State of Connecticut

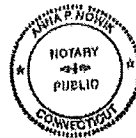
City of Hartford ss.

By: 
Robert L. Raney, Senior Vice President

On this the 21st day of April, 2021, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the 30th day of June, 2026




Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

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

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

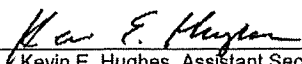
FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice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

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

I, Kevin E. Hughes, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 20th day of December 2023




Kevin E. Hughes, Assistant Secretary

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

SECTION H: AGREEMENT

THIS AGREEMENT made this 18th day of October in the year Two Thousand and Twenty-Four between **R. G. HUSTON CO., 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 **OCTOBER 8, 2024**, 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:

COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION CONTRACT NO. 9486

2. **Completion Date/Contract Time.** Construction work must begin within seven (7) calendar days after the date appearing on mailed written notice to do so shall have been sent to the Contractor and shall be carried on at a rate so as to secure full completion SEE SPECIAL PROVISIONS, the rate of progress and the time of completion being essential conditions of this Agreement.
3. **Contract Price.** The City shall pay to the Contractor at the times, in the manner and on the conditions set forth in said specifications, the sum of **ONE MILLION TWO HUNDRED FIFTY-FIVE THOUSAND SIX HUNDRED AND NO/100 (\$1,255,600.00)** 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 insure that applicants are employed, and that employees are treated during employment without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin and that the employer shall provide harassment free work environment for the realization of the potential of each employee. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training including apprenticeship insofar as it is within the control of the Contractor. The Contractor agrees to post in conspicuous places available to employees and applicants notices to be provided by the City setting out the provisions of the nondiscrimination clauses in this contract.

Article II

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

Article III

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

Article V

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

Article VI

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

Article VII

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

1. Cancel, terminate or suspend this Contract in whole or in part.

2. Declare the Contractor ineligible for further City contracts until the Affirmative Action requirements are met.
3. Recover on behalf of the City from the prime Contractor 0.5 percent of the contract award price for each week that such party fails or refuses to comply, in the nature of liquidated damages, but not to exceed a total of five percent (5%) of the contract price, or 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)(I), MGO as of the first time they seek or renew pre-qualification status on or after January 1, 2016. The City will monitor compliance of subcontractors through the pre-qualification process.

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

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

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

- b. **Requirements.** For the duration of this Contract, the Contractor shall:
 1. Remove from all job application forms any questions, check boxes, or other inquiries regarding an applicant's arrest and conviction record, as defined herein.

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

c. Exemptions: This section shall not apply when:

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

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

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 Wis. 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.

**COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION
CONTRACT NO. 9486**

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:

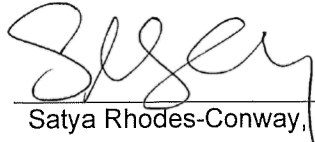
<u><i>David R. Laub</i></u>	<u>10/9/24</u>
Witness	Date
<u><i>[Signature]</i></u>	<u>10/9/24</u>
Witness	Date

R. G. HUSTON CO., INC.

<u>Company Name</u>	<u>10/9/24</u>
<u><i>[Signature]</i></u>	<u>Date</u>
President	
<u><i>[Signature]</i></u>	<u>10/9/24</u>
Secretary	Date



CITY OF MADISON



Satya Rhodes-Conway, Mayor

10/18/2024

Date



Maribeth Witzel-Behl, City Clerk

10/14/2024

Date

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



David P. Schmiedicke, Finance Director

10/17/2024

Date

Approved as to form:



Michael Haas, City Attorney

10/17/2024

Date

Execution of this Agreement by City was authorized by Resolution Enactment No. RES -24-00599, ID No. 85293, adopted by the Common Council of the City of Madison on October 8, 2024.

SECTION I: PAYMENT AND PERFORMANCE BOND

LET ALL KNOW BY THESE DOCUMENTS PRESENTED, that we **R. G. HUSTON CO., INC.** as principal, and Travelers Casualty and Surety Company of America Company of Hartford, CT as surety, are held and firmly bound unto the City of Madison, Wisconsin, in the sum of **ONE MILLION TWO HUNDRED FIFTY-FIVE THOUSAND SIX HUNDRED AND NO/100 (\$1,255,600.00)** 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:

**COMMERCIAL AVENUE SANITARY SEWER RECONSTRUCTION
CONTRACT NO. 9486**

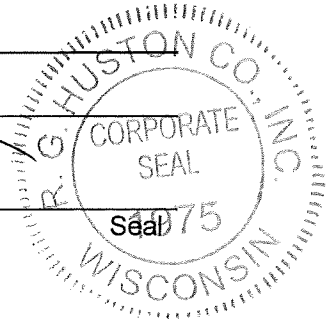
in Madison, Wisconsin, and shall pay all claims for labor performed and material furnished in the prosecution of said work, and save the City harmless from all claims for damages because of negligence in the prosecution of said work, and shall save harmless the said City from all claims for compensation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

Signed and sealed this 9th day of October, 2024

Countersigned:

[Signature]
Witness
[Signature]
Secretary

R. G. HUSTON CO., INC.
Company Name (Principal)
[Signature]
President



Travelers Casualty and Surety Company of America
Surety Seal
 Salary Employee Commission

By [Signature]
Jenny L. Hirth, Attorney-in-Fact

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under National Producer Number 6523593 for the year 2024, and appointed as attorney-in-fact with authority to execute this payment and performance bond which power of attorney has not been revoked.

October 9, 2024
Date

[Signature]
Agent Signature

The foregoing Bond has been approved as to form:

10/17/2024

Date

Michael Haas

City Attorney



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

POWER OF ATTORNEY

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

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st** day of **April**, 2021.



State of Connecticut

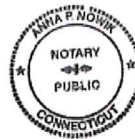
City of Hartford ss.

By: 
Robert L. Raney, Senior Vice President

On this the **21st** day of **April**, 2021, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, 2026




Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

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

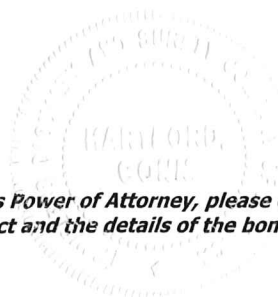
FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing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

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

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

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **9th** day of **October** 2024




Kevin E. Hughes, Assistant Secretary

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