Carry

ROUTING: Urgent Rush

Contract Routing Form

printed on: 05/29/2019

Contract between: Capitol Underground Inc
and Dept. or Division: Engineering Division
Name/Phone Number:

Project: Buckeye Road Reconstruction

Contract No.: 8277
Enactment No.: RES-19-00405
Dollar Amount: 6,255,589.56

File No.: 55627
Enactment Date: 05/24/2019

(Please DATE before routing)

Signatures Required	Date Received	Date Signed
City Clerk	5.29.19	5-29-19
Director of Civil Rights	5/29/19	5/31/19
Risk Manager	6.3.19	6.3.19 mcr
Finance Director	6.3.19	6/3/19 MCR
City Attorney	6-4-19	6-4-2019
Mayor	6.4.19	6.5.19

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

Original + 2 Copies

05/29/2019 13:43:11 enjls - Andy Zwieg 266-9219

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

City of Madison

City of Madison
Madison, WI 53703
www.cityofmadison.com

Legislation Details (With Text)

File #:	55627	**Version:** 1	**Name:**	Awarding Public Works Contract No. 8277, Buckeye Road Assessment District - 2019.
Type:	Resolution		**Status:**	Passed
File created:	4/26/2019		**In control:**	Engineering Division
On agenda:	5/21/2019		**Final action:**	5/21/2019
Enactment date:	5/24/2019		**Enactment #:**	RES-19-00405

Title: Awarding Public Works Contract No. 8277, Buckeye Road Assessment District - 2019. (16th AD)

Sponsors: BOARD OF PUBLIC WORKS

Indexes:

Code sections:

Attachments: 1. Contract 8277.pdf

Date	Ver.	Action By	Action	Result
5/21/2019	1	COMMON COUNCIL	Adopt Under Suspension of Rules 2.04, 2.05, 2.24, and 2.25	Pass
5/8/2019	1	BOARD OF PUBLIC WORKS		
4/26/2019	1	Engineering Division	Refer	

The proposed resolution awards the contract for the Buckeye Road reconstruction project for a total cost of $6,756,036. Funding is provided by GO Borrowing, Dane County funding, and utility components via the amended 2019 capital budget for the Buckeye Road reconstruction project (MUNIS 10228).
Awarding Public Works Contract No. 8277, Buckeye Road Assessment District - 2019. (16th AD)
BE IT RESOLVED, that the following low bids for miscellaneous improvements be accepted and that the Mayor and City Clerk be and are hereby authorized and directed to enter into a contract with the low bidder contained herein, subject to the Contractor's compliance with Section 39.02 of the Madison General Ordinances concerning compliance with the Affirmative Action provisions **and subject to the Contractor's compliance with Section 33.07 of the Madison General Ordinances regarding Best Value Contracting:**

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

See attached document (Contract No. 8277) for itemization of bids.

SDR

PROJECT	CONTRACTOR	AMOUNT OF BID
CONTRACT NO. 8277 BUCKEYE ROAD ASSESSMENT DISTRICT - 2019	CAPITOL UNDERGROUND, INC.	$6,255,589.56

Acct. No. 10228-402-170:54410 (91350)	$2,922,219.30
Contingency 8%±	233,777.54
Sub-Total	$3,155,996.84
Acct. No. 10228-402-174:54445 (91345)	$1,188,864.29
Contingency 8%±	95,109.14
Sub-Total	$1,283,973.43
Acct. No. 10228-83-173:54445 (91345)	$1,019,835.97
Contingency 8%±	81,586.88
Sub-Total	$1,101,422.85
Acct. No. 10228-86-179:54445 (91360)	$906,245.00
Contingency 8%±	72,499.60
Sub-Total	$978,744.60
Acct. No. 10228-402-177:54435 (91232)	$218,425.00
Contingency 8%±	17,474.00
Sub-Total	$235,899.00
GRAND TOTAL	$6,756,036.72

File #:	55627 Version: 1	Name:	Awarding Public Works Contract No. 8277, Buckeye Road Assessment District - 2019.
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Sponsors:	BOARD OF PUBLIC WORKS		
Attachments:	1. Contract 8277.pdf		

History (3) Text

Fiscal Note
The proposed resolution awards the contract for the Buckeye Road reconstruction project for a total cost of $6,756,036. Funding is provided by GO Borrowing, Dane County funding, and utility components via the amended 2019 capital budget for the Buckeye Road reconstruction project (MUNIS 10228).

Title
Awarding Public Works Contract No. 8277, Buckeye Road Assessment District - 2019. (16th AD)

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

See attached document (Contract No. 8277) for itemization of bids.

Jurisdiction: Wisconsin

Demographics

Company Name: Western Surety Company
SBS Company Number: 54219777
Domicile Type: Foreign
NAIC Group Number: 218 - CNA INS GRP
Merger Flag: No

NAIC CoCode: 13188
State of Domicile: South Dakota
Organization Type: Stock

Short Name:
FEIN: 46-0204900
Country of Domicile: United States
Date of Incorporation: 07/10/1900

Address

Business Address
151 N FRANKLIN ST
CHICAGO, IL 60606
United States

Mailing Address
151 N FRANKLIN ST
CHICAGO, IL 60606
United States

Statutory Home Office Address
101 S REID ST
SIOUX FALLS, SD 57103
United States

Main Administrative Office Address
151 N FRANKLIN ST
CHICAGO, IL 60606
United States

Phone, Email, Website

Phone

Type	Number
Business Primary Phone	(312) 822-5000
Fax Phone	(312) 260-4376

Email
No results found.

Website
No results found.

Company Type

Company Type: Property and Casualty
Status: Active
Effective Date: 05/29/1942
Issue Date: 05/29/1942
Articles of Incorporation Received: No

Status Reason:
Legacy State ID: 111843
Approval Date:
Article No:

Status Date: 05/29/1942
File Date:
COA Number:

Appointments

Show 10 entries — Showing **1** to **1** of **2472** entries — ross s

Licensee Name	License Number	NPN	License Type	Line of Authority	Appointment Date	Effective Date	Expiration Date
ROSS SQUIRES	8729812	8729812	Intermediary (Agent) Individual	Casualty	07/28/2014	02/22/2019	03/15/2020

First Previous 1 Next Last

Line Of Business

Line of Business	Citation Type	Effective Date
Fidelity Insurance	Fidelity Insurance	05/29/1942
Liability and Incidental Medical Expense Insurance (other than automobile)	Liability and Incidental Medical Expense Insurance (other than automobile)	05/29/1942
Surety Insurance	Surety Insurance	05/29/1942

Contact

Contact Type	Preferred Name	Name	E-mail	Phone	Address
Registered Agent for Service of Process		*			**Other** CT CORPORATION SYSTEM 301 S BEDFORD ST STE 1 MADISON, WI United States County 53703

Company Merger

No results found.

Name Change History

Previous Name	New Name	Effective Date
	Western Surety Company	

$6,255,589.56
ORIGINAL

BID OF **CAPITOL UNDERGROUND, INC.**

2019

PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS

FOR

BUCKEYE ROAD RECONSTRUCTION

CONTRACT NO. 8277

PROJECT NO. 54W0896

MUNIS NO. 10228

IN

MADISON, DANE COUNTY, WISCONSIN

AWARDED BY THE COMMON COUNCIL
MADISON, WISCONSIN ON **MAY 21, 2019**

CITY ENGINEERING DIVISION
1600 EMIL STREET
MADISON, WISCONSIN 53713

https://bidexpress.com/login

BUCKEYE ROAD ASSESSMENT DISTRICT - 2019
CONTRACT NO. 8277

INDEX

This Proposal, and Agreement have
been prepared by:

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

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

RFP: AZ

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:	BUCKEYE ROAD ASSESSMENT DISTRICT - 2019
CONTRACT NO.:	8277
SBE GOAL	5%
BID BOND	5%
SBE PRE BID MEETING (1:00 P.M.)	04/26/19
PREQUALIFICATION APPLICATION DUE (2:00 P.M.)	04/25/19
BID SUBMISSION (2:00 P.M.)	05/02/19
BID OPEN (2:30 P.M.)	05/02/19
PUBLISHED IN WSJ	04/11/19 & 04/18/19 & 04/25/19

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

PREQUALIFICATION APPLICATION: Forms are available on our website, www.cityofmadison.com/business/pw/forms.cfm. 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.

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

STANDARD SPECIFICATIONS

The City of Madison's Standard Specifications for Public Works Construction - 2019 Edition, as supplemented and amended from time to time, forms a part of these contract documents as if attached hereto.

These standard specifications are available on the City of Madison Public Works website, www.cityofmadison.com/Business/PW/specs.cfm.

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)I. 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. Nothwithstanding any language to the contrary contained herein, the City may exercise its discretion to allow bidders to correct or supplement submissions after bid opening, if the minor discrepancy, bid irregularity or omission is insignificant and not one related to price, quality, quantity, time of completion or performance of the contract.

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

Building Demolition

101 ☐ Asbestos Removal
120 ☐ House Mover
110 ☐ Building Demolition

Street, Utility and Site Construction

201 ☐ Asphalt Paving
205 ☐ Blasting
210 ☐ Boring/Pipe Jacking
215 ☐ Concrete Paving
220 ☐ Con. Sidewalk/Curb & Gutter/Misc. Flat Work
221 ☐ Concrete Bases and Other Concrete Work
222 ☐ Concrete Removal
225 ☐ Dredging
230 ☐ Fencing
235 ☐ Fiber Optic Cable/Conduit Installation
240 ☐ Grading and Earthwork
241 ☐ Horizontal Saw Cutting of Sidewalk
242 ☐ Infrared Seamless Patching
245 ☐ Landscaping, Maintenance
246 ☐ Ecological Restoration
250 ☐ Landscaping, Site and Street
251 ☐ Parking Ramp Maintenance
252 ☐ Pavement Marking
255 ☐ Pavement Sealcoating and Crack Sealing
260 ☐ Petroleum Above/Below Ground Storage Tank Removal/Installation
262 ☐ Playground Installer
265 ☐ Retaining Walls, Precast Modular Units
270 ☐ Retaining Walls, Reinforced Concrete
275 ☒ Sanitary, Storm Sewer and Water Main Construction
276 ☐ Sawcutting
280 ☐ Sewer Lateral Drain Cleaning/Internal TV Insp.
285 ☐ Sewer Lining
290 ☐ Sewer Pipe Bursting
295 ☐ Soil Borings
300 ☐ Soil Nailing
305 ☐ Storm & Sanitary Sewer Laterals & Water Svc.
310 ☒ Street Construction
315 ☐ Street Lighting
318 ☐ Tennis Court Resurfacing
320 ☐ Traffic Signals
325 ☐ Traffic Signing & Marking
332 ☐ Tree pruning/removal
333 ☐ Tree, pesticide treatment of
335 ☐ Trucking
340 ☐ Utility Transmission Lines including Natural Gas, Electrical & Communications
399 ☐ Other_____

Bridge Construction

501 ☐ Bridge Construction and/or Repair

Building Construction

401 ☐ Floor Covering (including carpet, ceramic tile installation, rubber, VCT
402 ☐ Building Automation Systems
403 ☐ Concrete
404 ☐ Doors and Windows
405 ☐ Electrical - Power, Lighting & Communications
410 ☐ Elevator - Lifts
412 ☐ Fire Suppression
413 ☐ Furnishings - Furniture and Window Treatments
415 ☐ General Building Construction, Equal or Less than $250,000
420 ☐ General Building Construction, $250,000 to $1,500,000
425 ☐ General Building Construction, Over $1,500,000
428 ☐ Glass and/or Glazing
429 ☐ Hazardous Material Removal
430 ☐ Heating, Ventilating and Air Conditioning (HVAC)
433 ☐ Insulation - Thermal
435 ☐ Masonry/Tuck pointing
437 ☐ Metals
440 ☐ Painting and Wallcovering
445 ☐ Plumbing
450 ☐ Pump Repair
455 ☐ Pump Systems
460 ☐ Roofing and Moisture Protection
464 ☐ Tower Crane Operator
461 ☐ Solar Photovoltaic/Hot Water Systems
465 ☐ Soil/Groundwater Remediation
466 ☐ Warning Sirens
470 ☐ Water Supply Elevated Tanks
475 ☐ Water Supply Wells
480 ☐ Wood, Plastics & Composites - Structural & Architectural
499 ☐ Other_____
_____

State of Wisconsin Certifications

1 ☐ Class 5 Blaster - Blasting Operations and Activities 2500 feet and closer to inhabited buildings for quarries, open pits and road cuts.
2 ☐ Class 6 Blaster - Blasting Operations and Activities 2500 feet and closer to inhabited buildings for trenches, site excavations, basements, underwater demolition, underground excavations, or structures 15 feet or less in height.
3 ☐ Class 7 Blaster - Blasting Operations and Activities for structures greater than 15 ' in height, bridges, towers, and any of the objects or purposes listed as "Class 5 Blaster or Class 6 Blaster".
4 ☐ Petroleum Above/Below Ground Storage Tank Removal and Installation (Attach copies of State Certifications.)
5 ☐ Hazardous Material Removal (Contractor to be certified for asbestos and lead abatement per the Wisconsin Department of Health Services, Asbestos and Lead Section (A&LS).) See the following link for application: www.dhs.wisconsin.gov/Asbestos/Cert. 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 www.cityofmadison.com/dcr/aaTBDir.cfm.

All contractors, subcontractors, vendors and suppliers seeking SBE status must complete and submit the **Targeted Business Certification Application** to the City of Madison Affirmative Action Division by the time and date established for receipt of bids. A copy of the Targeted Business Certification Application is available by contacting the Contract Compliance Officer at the address and telephone indicated in Section 2.2 or you may access the Targeted Business Certification Application online at www.cityofmadison.com/dcr/aaTBDir.cfm. 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. Nothwithstanding 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

BUCKEYE ROAD ASSESSMENT DISTRICT - 2019
CONTRACT NO. 8277

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 $62,500 for a single trade contract; or equal to or greater than $306,000 for a multi-trade contract pursuant to MGO 33.07(7).

ARTICLE 101 DEFINITIONS AND TERMS

Relationship Between the City and Strand Associates, Inc.® Strand Associates, Inc.® has been hired by the City to prepare drawings and specifications for this project. Additionally, Strand will assist the City by responding to questions that may arise during construction. The City will provide resident engineering services and contract administration and is referred to as the City and/or Engineer in the Contract Documents.

Strand Associates, Inc.® will not supervise, direct, control or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or safety precautions and programs incidental thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the furnishing or performance of the Work. Strand Associates, Inc.® will not be responsible for Contractor's failure to perform or furnish the Work in accordance with the Contract Documents. Strand Associates, Inc.® will not be responsible for the acts or omissions of Contractor or of any subcontractor, any supplier, or of any person or organization performing or furnishing any of the Work.

During construction, the duties and responsibilities of Strand Associates, Inc.® include the following:

1. Report to Engineer when clarifications and interpretations of the Contract Documents are needed.

Strand Associates, Inc.® shall not:

1. Authorize any deviation from the Contract Documents or substitutions of materials or equipment.

2. Exceed limitations of Engineer's authority as set forth in the Contract Documents.

3. Undertake any of the responsibilities of Contractor, Subcontractor, Suppliers or Contractor's superintendent.

4. Advise on, issue directions relative to, or assume control over any aspect of the means, methods, techniques, sequences, or procedures of construction.

5. Advise on, issue directions regarding, or assume control over safety precautions and programs in connection with the Work.

6. Authorize the City to occupy the Project in whole or in part.

7. Participate in specialized field or laboratory tests or inspections conducted off-site by others except as specifically authorized by Engineer.

ARTICLE 104 SCOPE OF WORK

The work under this contract shall include, but is not limited to, removals, excavation common, base aggregate, HMA pavement, concrete pavement, concrete curb and gutter, concrete sidewalk, storm sewer, sanitary sewer, water main, erosion control, traffic control, restoration, pavement marking, permanent signing, street lighting, structures R-13-325, 326, 327, 328, and 329, and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

The project limits for the work on Buckeye Road are from Monona Drive to South Stoughton Road.

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 104.6 DECREASED AND DELETED ITEMS

The electrical quantities include estimates for work that may or may not be required. If actual quantities are less than estimated, or if items are deleted from the contractor's work, the decreased quantities or deleted items shall not constitute the basis for a claim for damages for anticipated profits for the work dispensed with.

SECTION 105.12 COOPERATION BY THE CONTRACTOR

Be advised that there may be multiple mobilizations and/or remobilizations to complete construction operations, for example such items as: HMA pavement, concrete sidewalk, concrete curb and gutter, traffic control, signing, pavement marking, street lighting, finishing items and other incidental items related to the staging. No additional payment will be made, by the City of Madison, for additional mobilizations.

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

All private storm sewer discharges shall be maintained for all properties in the project area.

Notify City Traffic Engineering, Troy Vant (395-1975), once conduit and bases are installed and cured. The Contractor shall coordinate their work with City crews as shown in the plans and defined in these special provisions.

City Traffic Engineering crews will be replacing traffic signal loops prior to placement of final pavement at the following location:

Buckeye Rd near intersection of Monona Dr.

The contractor shall coordinate installation of any loop detectors and conduit with Traffic Engineering. The Contractor shall notify City Traffic Engineering Electrical Section (Tom Bodenstein, 266-4767), 48 hours prior to final paving.

Cost to repair damage to traffic signal loops that occur after their installation due to Contractor negligence, and cost for extra work to install the traffic signal loops in newly paved streets due to improper notice to the Traffic Engineering Division, will be deducted from the contract.

Archeological Site

An uncatalogued archaeological/burial site extends into the project in the area between Jerome Street and Turner Avenue. This site is not to be used for borrow or waste disposal, and the site area not currently capped by asphalt/concrete is not be used for the staging of personnel, equipment and/or supplies.

Coordination with Utilities

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.
There may be discontinued utility facilities within the project limits. If a conflict with a discontinued utility facility is encountered, contact the appropriate utility owner/representative to coordinate construction activities and proper removal and disposal of said facility as necessary.

Known utilities in the project area are as follows and station locations are approximate locations:

AT&T (Communications)
General AT&T Utility Description:
AT&T Wisconsin has numerous telephone and fiber optic lines along the project corridor. Buried fiber-optic cable is present along south side of Buckeye Road from the beginning of the project to the Jerome Street intersection where it crosses Buckeye Road. Buried fiber-optic cable is also present along the south side of Buckeye Road from Spaanem Avenue to the east beyond the project limits.

Aerial copper cable attached to Madison Gas & Electric poles, is present along the south side of Buckeye Road for the entire project length with multiple crossings of Buckeye Road.

AT&T plans to complete their relocations during construction.

City of Madison (Signals and Communications)
General City of Madison Utility Description:
The City of Madison buried fiber optic cable present along the south side of Buckeye Road from Monona Drive to approximately STA. 111+25 RT.

- Maintain existing conduit and address conflicts as they arise. Work may include relocation of existing conduit when in conflict with new design or where construction methods require relocation. STA 109+25 to STA 112+00. The Contractor shall coordinate conflicts with Traffic Engineering. The Contractor shall notify Traffic Engineering Electrical Section (Michael Benzschawel, 266-9031).

The City of Madison also has a traffic signal at the intersection of Monona Drive and Buckeye Road.

- City Traffic Engineering crews will be replacing traffic signal loops in the base course prior to placement of final pavement. The contractor shall coordinate installation of any loop detectors and conduit with Traffic Engineering. The Contractor shall notify City Traffic Engineering Electrical Section (Tom Bodenstein, 266-4767), 48 hours prior to final paving.

City of Madison plans to complete any relocations during construction.

Charter Communications (Communications)
General Charter Communications Utility Description:

Charter Communications has cable attached to Madison Gas & Electric poles that is present along the south side of Buckeye Road for the entire project length with multiple crossings of Buckeye Road.

Charter Communications plans to complete their relocations during construction.

Madison Gas & Electric (Electric)
Overhead facilities are located along the south side of Buckeye Road for the entire project length with multiple crossings of Buckeye Road. Underground electric crosses Buckeye Road at the Davie Street intersection. There are also other, isolated underground electric for services to abutting properties.

MG&E plans to complete their relocations during construction.

Madison Gas & Electric (Gas)
Natural gas facilities are located along the north and south side of Buckeye Road for the entire project length with multiple crossings of Buckeye Road.

MG&E has completed relocation of all their facilities that conflicted with project construction.

TDS (Communications)
General TDS Utility Description:
TDS has buried fiber-optic cable along south side of Buckeye Road from Spaanem Avenue to the east beyond the project limits.

TDS plans to complete their relocations during construction.

Metropolitan Unified Fiber Network (Communications)
Metropolitan Unified Fiber Network (MUFN) Utility Description:
The MUFN does not have any other underground facilities along Buckeye Road that need to be relocated.

MUFN removed aerial fiber we owned from MG&E poles in front of Frank Allis Elementary heading SE & along Bainbridge St last year.

US Exchange (Communications)
General US Exchange Utility Description:
US Exchange has aerial fiber-optic cable attached to Madison Gas & Electric poles present along the south side of Buckeye Road from Lakeview Avenue to Shaffer Avenue.

US Exchange plans to complete their relocations during construction.

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

General
The work under this item shall conform to the requirements of section 643 of the WisDOT Standard Specifications, the Manual on Uniform Traffic Control Devices (MUTCD), and as hereinafter provided. The traffic requirements are subject to change at the direction of the engineer in the event of an emergency, local event, or significant traffic delays.

Submit to engineer for approval a detailed traffic control plan for any changes to the proposed traffic control as shown on the plans. Submit the plan 14 days before the preconstruction conference, or if after

the preconstruction conference, 14 days before the intended use of the revised traffic control. A request does not constitute approval.

Do not disturb, remove, or obliterate any traffic control signs, or advisory signs in place along the traveled roadways without the approval of the engineer. Immediately repair or replace any damage done to the above during the construction operations at contractor's expense.

Provide 24 hours-a-day availability of equipment and forces to expeditiously restore devices such as, but not limited to, pavement marking, lights, signs, drums, barricades, arrow boards or other traffic control devices that are damaged or disturbed. The City of Madison will pay for materials that the engineer deems necessary to maintain these items at contract unit prices, or as extra work, if the disturbance or damage is not the result of the contractor's operations, negligence or noncompliance with the requirements of the contract.

Conduct operations in such a manner that causes the least interference and inconvenience to the flow of local traffic, including bicyclists, and pedestrians on the roadways and sidewalks. This includes the following:

- Do not park or store any vehicle, piece of equipment, or construction materials on adjacent streets beyond the project limits without approval of the engineer. During non-working hours place construction equipment and materials behind traffic control devices for local traffic.

- No operations shall take place until all traffic control devices for such work are in the proper location.

- All construction vehicles and equipment entering or leaving live traffic lanes shall yield to through traffic, bicyclists, and pedestrians.

- Equip all vehicles and equipment entering or leaving the live traffic lanes with a hazard identification beam (flashing yellow signal) capable of being visible on a sunny day when viewed without the sun directly on or behind the device from a distance of 1,000 feet. Activate the beam when merging into or exiting a live traffic lane.

- Do not deliver and store materials and equipment within open roads during any stage of construction. Temporary lane closures and/or halting of traffic within open roadways is not permitted unless mentioned specifically below. Flagging operations will be incidental to the work item being performed for the contract according to subsection 104.6.1(4) of the WisDOT Standard Specifications.

Do not use flag persons to direct, control, or stop traffic, unless provided written approval from the engineer. Mount all traffic control signs at a minimum height of 5 feet, measured from the bottom of the sign, above the edge of pavement.

Detour
During construction operations, close Buckeye Road to through traffic and detour Buckeye Road to the following routes:

Buckeye Road EB Detour Route: Monona Drive–Cottage Grove Road–US 51 (Stoughton Road)

Buckeye Road WB Detour Route: US 51 (Stoughton Road)–Cottage Grove–Monona Drive

See plans provided with the contract.

Property Access
During the detour, maintain access through the work zone for local traffic (both residential and commercial), emergency vehicles, school buses, mail delivery and garbage pickup. Maintain a minimum travel lane width of 12 feet with a minimum clear width of 14 feet on a minimum driving surface of base aggregate dense for local access. When work operations are not occurring and/or during nighttime hours maintain two lanes of traffic.

Additional intermediate construction staging or staging gaps, not shown on the plans, may be necessary to maintain continuous access to all properties. Maintain access to all commercial and private entrances at all times for local residents, businesses, and emergency vehicles. Contact the property owner 48 hours prior to removing any existing entrance in order to coordinate temporary closures. Restore private entrances, including a gravel surface, within 6 hours of removal. If the contractor coordinates the closure of any access to a business or private property with the owner(s), the contractor shall provide written documentation of coordination with the owner(s) to the engineer 48 hours in advance of the closure.

Clear Zone Working Restrictions
Buckeye Road will be closed to through traffic; however, provide to the extent practicable a minimum of 6 feet of lateral clearance from travel ways for local traffic to temporary drop offs. Do not leave any slopes steeper than 3:1 within the 6-foot lateral clearance or any drop offs at the edge of the traveled way greater than 2 inches. Limit the length of open utility trenches to 100 feet. Backfill or plate utility trenches adjacent to local traffic travel ways during non-working hours. If unsure whether an individual work operation will meet the safety requirements for working adjacent to local traffic, review the proposed work operation with the engineer before proceeding with the work.

Pedestrian Access
Maintain pedestrian access through the entire length of the project, in accordance with current Americans with Disabilities Act (ADA) Accessibility Guidelines (ADAAG), by means of existing sidewalk, Temporary Pedestrian Surface Asphalt bid item, Temporary Curb Ramp bid item, or new sidewalk at a minimum width of 5 feet. Stage construction operations to preserve the existing sidewalk as long as practicable to maintain pedestrian access through the corridor or until new sidewalk is available for use along the south side of the roadway. Place Temporary Pedestrian Safety Fence to separate pedestrians from the work zone and as directed by the engineer.

When required close sidewalks according to the WisDOT Standard Detail Drawing "Traffic Control, Pedestrian Accommodation." Provide temporary pedestrian access as detailed in the plans and as directed by the engineer.

Maintain pedestrian and bicycle movements crossing the construction zone at the intersection of Lakeview Avenue at all times, unless otherwise directed by the engineer.

This project will involve work on Quaker Circle which is a dead-end street, and on this street are single family homes. The Contractor shall maintain access to properties on this street in accordance with the City of Madison Standard Specifications. Whenever access will be limited to any of these properties, the contractor shall clearly communicate with the residents the access limitations and timeframes. A minimum of 72 hours' notice shall be provided to these properties.

This project will involve work on dead-end streets, which will require additional advanced notice to the residents from the Contractor along with planning construction methods as necessary to maintain access per the City of Madison Standard Specifications and these special provisions.

Madison Metro Transit Access and Bus Stops
Madison Metro will detour their bus routes during construction. Notify Madison Metro a minimum of one week in advance of beginning construction or beginning a construction stage.

Advance Notification
Notify city of Madison first responders (police, fire, EMS), Dane County Sheriff's Department, engineer, city of Madison Traffic Engineering, Madison Metro Transit, Madison Metropolitan School District, garbage/recycling pick-up companies, and the post office two weeks in advance of all traffic switches, lane closures, road closures, and detours. Notifications should be confirmed with all parties one week before implementation. Parties shall also be notified if a closure is cancelled.

Portable Changeable Message Signs: Install Traffic Control Signs PCMS at either end of the construction limits two weeks prior to closing Buckeye Road to through traffic to notify motorists of upcoming

construction activities and one week prior to beginning each construction stage. These time frames may be adjusted by the engineer.
Coordinate the locations of portable changeable message signs with the engineer. Obtain acceptance from the engineer for all messages for all portable changeable message signs.

Traffic Control Operations
This information is included to assist the contractor and its subcontractors; do not interpret this information as a demonstration of specified means and methods. Coordinate the schedule of operations for the construction staging as shown in the plans and as noted in these special provisions. Do not move operations within the proposed construction staging unless modifications to the staging and schedule are approved in writing by the engineer. Address traffic, construction, transit, and pedestrians with any proposed staging modifications provided to the engineer.

Stage 1 – Beginning of Project until September 2, 2019
Traffic:
- Buckeye Road: Close Buckeye Road to through traffic for the entire project limits and detour as shown in the plans.
  - Frank Allis Elementary Summer School June 24 – August 2, 2019: Maintain vehicular access to the school from Monona Drive at all times to the front entrance. Maintain pedestrian access to the school at all times. School bus service will be utilized for summer school. Student drop off is at 8am and pickup up is at 4pm and buses line up on Buckeye along the school. 1-2 school buses are also utilized for student field trips 3 days a week at various times during the day. The Contractor shall set up a meeting with the school principal, school facilities manager and Engineer prior to construction to discuss construction sequencing, timing and summer school operations. The Contractor shall notify the school 72 hours in advance if buses or parents need to use an alternative route besides Monona Drive to access the school along Buckeye Road.
- Monona Court, Quaker Circle: Stage construction to maintain local traffic access to and from Buckeye Road.
- Lakeview Avenue and Turner Avenue: Stage construction to maintain traffic access to Buckeye Road.
  - Lakeview Avenue crossing Buckeye Road is part of the Lake Loop for Lake Monona. The Contractor shall keep bike and pedestrian access across Buckeye Road at all times.
    - The Loop the Lake event is scheduled for June 15, 2019. The contractor shall not begin construction operations at the Buckeye Avenue/Lakeview Avenue intersection prior to June 17, 2019.
- Jerome Street, Davies Street, Morningside Avenue, Shaffer Avenue, Spaanem Avenue, Maher Avenue, Camden Road: Close to cross-traffic at Buckeye Road.

Construction:
Buckeye Road: Construct sanitary sewer, water main, storm sewer and all other associated roadway items as shown in the plans including intersection tie-ins.

Stage 2 – September 3, 2019 until End of Project
Traffic:
- Buckeye Road: Close Buckeye Road to through traffic from east of Davies Street to the eastern project limits and detour as shown in the plans. Maintain full access, perform no work, and store no materials or equipment of any kind from the Davies Street intersection to Monona Drive.
- Jerome Street, Monona Court, Davies Street: No closures. Maintain full access
- Quaker Circle: Stage construction to maintain local traffic access to and from Buckeye Road.
- Lakeview Avenue and Turner Avenue: Stage construction to maintain traffic access to Buckeye Road.
  - Lakeview Avenue crossing Buckeye Road is part of the Lake Loop for Lake Monona. The Contractor shall keep bike and pedestrian access across Buckeye Road at all times.
- Morningside Avenue, Shaffer Avenue, Spaanem Avenue, Maher Avenue, Camden Road: Close to cross-traffic at Buckeye Road.

Construction:

- Buckeye Road: East of Davies Street, construct sanitary sewer, water main, storm sewer and all other associated roadway items as shown in the plans including intersection tie-ins. Perform no work of any kind on Buckeye Road from Davies Street to the west.

Signing

The City of Madison Traffic Engineering Field Operations Facility will remove existing City of Madison signs and sign posts as shown in the plans. Contact, the City of Madison Traffic Engineering Field Operations Facility at (608) 266-4767 at least five days prior to starting construction to arrange to have signs removed. Sign support bases are to be removed and disposed of by the contractor.

The City of Madison Traffic Engineering Field Operations Facility will be installing bus route, bus stop and bike route signs as shown in the plans. Contact, the City of Madison Traffic Engineering Field Operations Facility at (608) 266-4767 once the project site is restored with topsoil, seed and mulch. Allow for eight days to have the new signs installed.

SECTION 108.2 PERMITS

The City of Madison has obtained a City of Madison Erosion Control Permit and has submitted a DNR Notice of Intent (NOI) to obtain coverage under a Construction Site General Permit.

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

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

BID ITEM 10901 – FIELD OFFICE

DESCRIPTION

All work under the Bid Item shall be completed per the City of Madison Standard Specifications and per the following. The Contractor shall provide office space for use by the Contractor, the Engineer and the City Inspectors. The Field Office shall include, but is not limited to, heat and air conditioning, internet service, a high capacity copier/printer, drinking water, and conference table and chairs. The Field Office is to be located either on the project site or within 0.25 miles of the project.

Included with this item, the Contractor shall provide space to hold the bi-weekly coordination meetings. It is expected that City staff, the Contractor, the private utilities and their contractor(s) as well as other stakeholders along Buckeye Road will be in attendance of these meetings, so the space provided will need to be sufficient to accommodate a number of attendees. This meeting space doesn't necessarily need to be in the same location as the Field Office, but the same location requirements apply.

SECTION 109.2 PROSECUTION OF WORK

The Contractor shall start work on **JUNE 17, 2019**. All work under this contract shall be completed by **NOVEMBER 15, 2019.**

Work shall begin only after the start work letter is received.

This project includes an interim completion date at 1 location within the project limits. All work necessary to restore two-way traffic, bicycle lanes, parking lanes, and sidewalk on Buckeye Road between Monona Drive and Davies Street shall be completed on or prior to **August 30, 2019.** No interruptions to two-way traffic, bicycle lanes, parking lanes, or sidewalk in this location will be permitted beyond this date.

SECTION 109.9 LIQUIDATED DAMAGES

The fixed, agreed, and liquidated damages due the City of Madison from the Contractor for failure to complete all work on Buckeye Road between Monona Drive and Davies Street with a specific interim completion date shall be $1,750 per calendar day, per location.

The fixed, agreed, and liquidated damages due the City of Madison from the Contractor for failure to complete all work within the total contract duration or by the specified completion date shall be calculated per the City of Madison Standard Specifications.

In the event that the Contractor fails to complete the work on Buckeye Road between Monona Drive and Davies Street within the specified interim completion date and, at the same time, fails to complete the work on the overall contract in the specified timeframe or by the specified date, the fixed, agreed, and liquidated damages due the City of Madison from the Contractor shall be the summed amounts.

SECTION 210.1(d) STREET SWEEPING

When required, either by the erosion control plan or the Construction Engineer, the Contractor shall perform mechanical street sweeping on all streets or paved surfaces affected by construction equipment, hauling or related construction activities that result in mud tracking or siltation. Mechanical street sweeping shall be completed as directed by the Construction Engineer and shall remove all loose material to the satisfaction of the Construction Engineer. Depending on site conditions, construction activities, and hauling methods utilized by the Contractor mechanical street sweeping may be required multiple times throughout the day with an absolute minimum that all streets are clean at the end of the work day. Areas not accessible by mechanical street sweepers may require hand scraping with shovels.

BID ITEM 20336 – PIPE PLUG

With regard to the City of Madison Standard Specifications for Public Works Construction 2019 Edition Article 203.2(c), any pipe found in a trench that is less than 10" in diameter while installing a sewer facility shall be considered incidental to the pipe being installed.

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

ARTICLE 500 SEWER AND SEWER STRUCTURES GENERAL

SANITARY SEWER GENERAL

This project shall include installing approximately 3,919 feet of new 8" PVC (ASTM D3034 SDR-35 and SDR-26), 295' of 10" PVC, 389' of 12" sewer main and 2,019 feet of new sanitary lateral (ASTM D3034 SDR-35 and SDR-26),.

ASTM D3034 SDR-35 and SDR-26 sewer main and lateral as called for on the plan set shall be payable under Sanitary Sewer Main (Bid Item 50301) and Sanitary Lateral (Bid Item 50353).

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 2019 ed. All new sewer main connections may be factory cored and shall be included in the structure. All existing main connections shall be field cored to accommodate existing conditions and shall be compensated under BID ITEM 50791 SANITARY SEWER TAP. All sewer main and/or laterals not slated for replacement that are damaged during the installation of a structure shall be replaced by the Contractor and shall be considered incidental to the project. All benches and flowlines shall have a smooth trowel finish.

Contractors shall have a locator device on-site if they intend to start laying lateral pipe at the property line to minimize the amount of extra sidewalk removal. Each sanitary lateral shall have a maximum of 4 sidewalk squares removed and replaced. No additional compensation shall be awarded beyond this amount for the replacement of a sewer lateral. If laterals called for reinstatement on the plans are to be plugged under the direction of the engineer on-site, Contractors are required to use a sonde device to confirm that the laterals are not active.

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

Connection of new pipes to existing structures shall be accommodated with a Sanitary Sewer Tap – Bid Item 50791.

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.

On any streets where sanitary sewer is replaced before existing water main is abandoned, a temporary water supply system shall be installed and maintained until the new water main is installed and put in to service shall be paid under BID ITEM 70110.

STORM SEWER GENERAL

Storm sewer pipe work shall include installing approximately 5909 feet of new storm sewer of various sizes ranging from 12" to 36" in diameter.

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

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

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

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

BID ITEM 50353 - SANITARY SEWER LATERAL SDR 35, SDR 26

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

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

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

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

Each sanitary sewer lateral shall have a maximum of 4 sidewalk squares (106 sf) removed and replaced. No additional compensation shall be awarded beyond this amount for the replacement of a sewer lateral.

BID ITEM 50356 – RECONNECT

All work under this bid item shall be done in accordance with Article 503 of the City of Madison Standard Specifications for Publics Works Construction, latest addition. Lateral risers shall be installed in conformance with the S.D.D. 5.3.1 and made payable as Reconnect (Bid Item 50356) and Sanitary Sewer Lateral (Bid Item 50353)

The first 5 feet of sewer lateral pipe/ fittings measured from the sewer main shall be considered the reconnect for all sewer lateral reconnections. Lateral connections to sewer access structures shall be paid for separately as a sanitary tap. 5' of lateral pipe is not considered incidental to the sanitary tap connection.

BID ITEM 50390 – SEWER ELECTRONIC MARKERS

With regard to the City of Madison Standard Specifications for Public Works Construction 2019 Edition Section 503.3(c), each sanitary lateral shall have a minimum of two (2) electronic markers with the City providing the Contractor with the required number of electronic markers. For sanitary laterals, which only include the installation of a wye, a marker ball shall be installed directly above the wye connection to the main.

A marker ball will be required for the pipe bend constructed on Bryan St near Milwaukee St and placed directly above the constructed bend.

BID ITEM 50797 - EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL

DESCRIPTION

Where called out for on the plan or by the Engineer, barrel joints shall be sealed on sanitary sewer structures around the outside circumference of the Sewer Access Structure. Manhole joint seal shall be

minimum of nine (9) inches wide. The seal shall consist of flexible rubberize seal conforming to ASTM C923 held in place with stainless steel compression bands or butyl adhesive tape conforming to ASTM C877 or heat shrink sleeve over visco-elastic adhesive sealant.

Acceptable products and manufacturers are the following:

1. Mac Wrap, Mar Mac Manufacturing Company, Inc.
2. NPC External Joint Seal, NPC, Inc.
3. EZ-Wrap, Press-Seal Gasket Corporation
4. Riser-Wrap, Pipeline Seal and Insulator

Alternate manufacturers and products not listed above are subject to pre-approval by the Engineer

METHOD OF MEASUREMENT

External Sanitary Sewer Access Structure Joint Seal shall be measured separately as each for each sewer structure wrapped.

BASIS OF PAYMENT

External Sanitary Sewer Structure Joint Seal will be paid for at the contract price, and is considered full compensation for all work as listed above.

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. It is the discretion of the Contractor to locate utilities by either a trench excavation or by a pothole technique. However, the Contractor shall not be compensated more than once for multiple utilities located within a maximum distance of five (5) feet long.

SECTION 601 ELECTRICAL, GENERAL REQUIREMENTS

The existing street lighting bases, poles, conduits, handholes, and manholes not scheduled for removal or abandonment shall be protected during construction. If the contractor believes that damage to such facilities is unavoidable, the contractor shall not damage or remove any facilities until the City Traffic Engineering electrical inspector has reviewed and approved such actions. Any damage or removal of City electrical conduit, wire, fiber, or structures, without the specific approval by the City Traffic Engineering electrical inspector shall be promptly repaired or replaced by and at the expense of the contractor. The City may elect to do repair work with City crews. The cost for any repair work done by the City will be billed to the contractor.

Any damage or removal of City street lighting facilities shall be repaired or replaced within 24 hours, but any resulting street light outage resulting from such damage or removal shall be confined to as few numbers of streetlights as possible. The streetlight circuits shall remain operational each and every night. If any street light outage continues beyond 24 hours, the City shall have the right to make temporary or permanent repairs, with the full cost of such work, including engineering time, will be billed to the general contractor.

Streetlight circuits are to be maintained throughout the construction project. Coordinate with City of Madison Electrical Section Troy Vant (267-1969), prior to removing any existing light pole base or conduits which have lighting circuits passing through.

Unless a traffic signal or street light pole or base is specifically designated for removal, it shall be saved. Unless a manhole, handhole or conduit is specifically designated for removal, it shall be saved.

SECTION 601.10 MATERIALS FURNISHED BY THE CITY OF MADISON

The following electrical materials will be furnished to the Contractor at the Traffic Operations Shop, 1120 Sayle Street. The Contractor shall notify the Traffic Operations Shop (Ed Smith at 266-9034) twenty four (24) hours prior to picking up any materials.

ITEM		QUANTITIY
3/1" x 19"	Anchor Bolts for G-Bases	4 sets of 4
1" x 40"	Anchor Bolts for LB-3 Bases	28 sets of 4
1-1/4" x 48"	Anchor Bolts for LB-8 Bases	5 sets of 4

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 701 PROVISIONS FOR WATER INSTALLATION AND ABANDONMENT

The water designer for this project is:

- Pete Holmgren
  608.261.5530
  pholmgren@madisonwater.org

This project consists of water main improvements on Buckeye Road, from the Monona Drive intersection to the South Stoughton Road intersection.

The water main infrastructure in this area currently consists of 6-inch to 16-inch cast-iron pipe from the 1940's and 1950's. Generally, all existing water mains at intersections of Buckeye Road and all existing water mains on Buckeye Road from Spaanem Avenue to the east limits will be replaced with new water mains. Generally, all existing water mains on Buckeye Road from Spaanem Avenue to the west limits will remain as-is except for isolated water system improvements as identified in the construction drawings.

A general outline of the work is as follows:

- Furnish and install new 6-inch to 16-inch ductile iron water main and fittings as shown on the plans.
- Reconnect or replace existing services as shown on the plans.
- Abandon existing cast-iron water main with a series of "cut-off" points as shown on the plans.
- Protect existing cast-iron water main that is to remain in-service as shown on the plans; perform improvements to this existing water main as identified.
- Abandon valve boxes and valve structures on abandoned water main, and curb boxes on any abandoned services.
- Adjust new and remaining existing valve boxes, hydrants, and curb boxes to appropriate grades.

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

SECTION 703 CONSTRUCTION METHODS

Perform all work in accordance with these provisions and the City of Madison *Standard Specifications For Public Works Construction, 2019 Edition.*

For existing water service laterals found to be in conflict with proposed sewer utilities, perform work to insulate and lower the water service laterals at conflicting crossing locations. For clearance requirements, maintain a minimum of 6-inch clearance between the bottom of the proposed sewer utility and the top of the insulation board, and a minimum of 6-inch clearance from the bottom of the insulation board to the top of the lowered water service. Any such adjustments to existing copper service laterals are considered incidental to the sewer utility installations.

BID ITEM 70002 FURNISH AND INSTALL 6-INCH PIPE & FITTINGS
BID ITEM 70031 FURNISH AND INSTALL 6-INCH WATER VALVE

4-inch and 6-inch pipe and fittings, as shown on the plans, shall both be measured and paid as 6-inch pipe and fittings. Additional required fittings not shown on the plans shall be paid per their actual sizes, per standard specifications.

BID ITEM 90001 – REMOVING LANDSCAPING BOULDERS

DESCRIPTION

This special provision describes Removing Landscaping Boulders conforming to Section 204 of the WisDOT Standard Specifications.

CONSTRUCTION

Salvage removed boulders according to subsection 204.3.1.3 of the WisDOT Standard Specifications and provide to the property owner if they want them. If they do not want the removed materials then dispose of according to subsection 203.3.4 of the WisDOT Standard Specifications. If the owner wants the materials stockpile them outside the work zone in a location agreed to by the property owner. If the boulders to be salvaged are damaged by the contractor's operations, replace the boulder in kind.

Landscaping boulders not exceeding 12-inches in either height, width, or length are incidental to the excavation common item.

METHOD OF MEASUREMENT

Removing Landscaping Boulders as each individual removing landscaping boulders acceptably completed.

BASIS OF PAYMENT

Removing Landscaping Boulders shall be measured as described above shall be full payment for all work, materials and incidentals required to complete the work in accordance with the description.

BID ITEM 90002 – REMOVING RETAINING WALL

DESCRIPTION

This special provision describes Removing Retaining Wall conforming to Section 204 of the WisDOT Standard Specifications.

CONSTRUCTION

Remove the existing wall to facilitate construction of the replacement Modular Block Gravity Walls included in this contract, including any portion below existing ground surface. Remove any plastic

sheeting, fabric, pipe under drain, reinforcing grid, or tie-backs in a manner that will not impede the structural stability or functionality of adjacent structures or portions of the walls to remain.

METHOD OF MEASUREMENT

Removing Retaining Wall shall be measured by the square foot acceptably completed. The quantity will be measured by the amount of exposed wall face.

BASIS OF PAYMENT

Removing Retaining Wall shall be measured as described above shall be full payment for all work, materials and incidentals required to complete the work in accordance with the description.

BID ITEM 90003 – REMOVING LANDSCAPING WALL

DESCRIPTION

This special provision describes Removing Landscaping Wall conforming to Section 204 of the WisDOT Standard Specifications.

CONSTRUCTION

Entirely remove the existing wall to the limits of grading for the project. Remove, handle, and stockpile existing blocks in a manner that prevents damage to them. Remove any plastic sheeting, fabric, pipe under drain, reinforcing grid, or tie-backs that abut or underlie the portion of the existing modular block retaining wall to be removed in a manner that will not impede the structural stability or functionality of the portion of the wall to remain. If the contractor damages the blocks to be removed, or any portion of the wall to remain through its own operations then the contractor will replace them at no expense to the City of Madison.

METHOD OF MEASUREMENT

Removing Landscaping Wall shall be measured by the square foot acceptably completed. The quantity will be measured by the amount of exposed wall face.

BASIS OF PAYMENT

Removing Landscaping Wall shall be measured as described above shall be full payment for removing all materials; including all fabric, plastic sheeting, pipe under drain, reinforcing grid, and tie-backs; for all excavating, backfilling, stockpiling, disposing of surplus material, and for cleaning out and restoring the work site necessary to complete the work in accordance with the description.

BID ITEM 90004 – REMOVING WOODEN BOARDWALK

DESCRIPTION

This special provision describes Removing Wooden Boardwalk conforming to Section 204 of the WisDOT Standard Specifications.

CONSTRUCTION

Before removing the wooden boardwalk as shown on the plans discuss the removal timeframe with the property owner and Engineer. Complete the removal in a manner and adjust the removal limits as

needed so as to not adversely impact the portion of the boardwalk that will remain. This may include, but is not limited to, reestablishing handrails and other portions of the boardwalk as necessary to maintain the functionality and durability of the remaining portion of the boardwalk.

METHOD OF MEASUREMENT

Removing Wooden Boardwalk by the square yard acceptably completed.

BASIS OF PAYMENT

Removing Wooden Boardwalk shall be measured as described above shall be full payment for all work, materials and incidentals required to complete the work in accordance with the description.

BID ITEM 90005 – 7 INCH STAMPED & COLORED CONCRETE

DESCRIPTION

This work shall be in accordance with the requirements of Part 3 of the City of Madison Standard Specifications, except as herein after amended.

A separate design mix shall be provided for all areas to receive integrally colored concrete. Integrally colored concrete mix(es) shall not contain fly ash. Consider admixture recommendations for concrete mix design, however, mix design must also conform to the City of Madison Standard Specifications. Submit the concrete mix design to the City of Madison for review.

Contractor shall provide a 12"x12" sample of the colored concrete, which will be reviewed and approved by the City of Madison prior to final installation. Provide a minimum of 3 days' notice to the Engineer in order to schedule review of the sample.

Excess concrete material from mockups can be used elsewhere per the Engineers approval if the mix design meets the standard requirements of the secondary use.

MATERIALS

Integral-mix colored admixture shall conform to the requirements of ACI 303.1, ASTM C979, ASTM C494 and ASSHTO M194. Admixture shall be a single-component, colored, water-reducing, set-controlling admixture containing no calcium chloride with coloring agents that are lime-proof and ultra-violet resistant. The admixture shall be factory formulated and packaged in cubic yard dosage increments, not multiple additives and pigments added separately into the mix.

The Color shall either be BASF Natural Bark (MC5002) or an approved equal.

All surfaces shall be cured uniformly. The concrete shall never be covered with plastic sheeting.

Curing compound shall comply with ASTM C309 and be of same manufacturer as colored admixture, for use with integrally colored concrete. All placing, finishing, curing, joint sealing, and patching shall be in accordance with the admixture manufacturer's recommendations.

Imprinting Pattern: Use a 6" x 6" cobblestone pattern.

CONSTRUCTION

Add color pigment to concrete mixture according to manufacturer's written instructions and to result in hardened concrete color consistent with approved samples.

Protect all adjoining areas of concrete prior to pouring colored concrete. Perform any finishing work as necessary to prepare the colored concrete for stamping as recommended by the pattern manufacturer.

Set stamp pattern in accordance to the manufacturer's specified methods. Check all depths of imprints by tool-to-tool surface leveling. Perform tooling and finishing as stamping tools are removed after imprinting. Eliminate all squeeze joints between stamping tools, if any, with hand tools prior to concrete setting.

Joint the concrete in accordance with the City of Madison Standard Specifications amended as follows: Saw joints such that the saw joint follows the concrete recess.

Apply curing compound per manufacturer's recommended coverage rate and to meet curing requirements of the City of Madison Standard Specifications.

7 Inch Stamped & Colored Concrete shall match the visual appearance of the approved reference samples. Replace any not conforming to the reference samples at the Contractor expense.

METHOD OF MEASUREMENT

7 Inch Stamped & Colored Concrete shall be measured by the square foot installed and accepted.

BASIS OF PAYMENT

7 Inch Stamped & Colored Concrete, measured as stated above, is full compensation for providing all materials, including concrete, joint fillers, joint sealers, and expansion joints; for excavating and preparing the foundation; backfilling and disposing of surplus material; for placing, finishing, protecting, and curing; and restoring the work site.

BID ITEM 90006 – RAILING PIPE

DESCRIPTION

This special provision describes Railing Pipe conforming to Section 513 of the WisDOT Standard Specifications and the plans.

BID ITEM 90007 – CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D; 90008 – CONCRETE CURB & GUTTER INTEGRAL 24-INCH TYPE D SPECIAL; 90009 – CONCRETE CURB & GUTTER 36-INCH TYPE A SPECIAL VERTICAL FACE

DESCRIPTION

This item includes all materials, equipment, labor, forming, sealing, finishing and incidentals necessary to construct Integral Concrete Curb and the locations indicated on the plans. All work shall be performed per Part III of the City of Madison Standard Specifications, except as follows.

The Integral Concrete Curb shall be constructed per the detail drawings, and shall be installed such that there is no longitudinal joint between the Integral Curb and the adjacent concrete pavement (paid under Bid Item 40402). Contraction joints on the integral curb shall match the contraction joints on the adjacent concrete pavement.

Pay limits for the concrete pavement shall be to the flowline of the integral curb and pavement.

All joint sealing, curing compounds, and finishing methods shall match the adjacent concrete pavement and shall be completed as provided under Bid Item 40402.

METHOD OF MEASUREMENT

Integral Concrete Curb shall be measured by the linear foot along the face of curb installed and accepted.

BASIS OF PAYMENT

Integral Concrete Curb, measured as provided above, shall be full compensation at the contract unit price for all materials, equipment, labor, forming, sealing, finishing and incidentals necessary to complete the work as provided in the description.

BID ITEM 90010 – SIDEWALK CURB

DESCRIPTION

This bid item includes all work, materials, labor, forming, equipment and incidentals necessary to install Sidewalk Curb at the locations indicated on the plans. All work under this bid item shall be in accordance with Article 302 of the City of Madison Standard Specifications and supplemented as follows.

The sidewalk curb is to be installed at the back of walk in locations where the sidewalk is lowered as directed by the Engineer or at the locations indicated on the plans. The maximum height of the sidewalk curb above the top of the back of sidewalk shall be 6", and the curb shall then be tapered back as necessary to match the existing grade of the sidewalk once the grade allows. The Sidewalk Curb shall be 6" wide, and shall be poured monolithic with the adjacent sidewalk.

METHOD OF MEASUREMENT

Sidewalk Curb shall be measured by linear foot acceptably installed.

BASIS OF PAYMENT

This item, measured as provided above, will be paid for at the contract unit price per square foot, which price shall be payment in full for furnishing all material, labor, tools, equipment, formwork and incidentals necessary to complete this item of work.

BID ITEM 90011 – CONSTRUCTION FENCING

DESCRIPTION

Work under this item shall include all work, materials, labor and incidentals necessary for the Contractor to provide, install, maintain and remove construction fencing from the project site as shown on the plans. This fence shall be highly visible, constructed of a plastic web, and able to withstand the expected amount of use it will receive on a construction site. Any required maintenance or re-installation of fencing is included with this item. The intent of this item is to delineate the area to which the Contractor shall confine his or her operations, to protect trees, and to prevent disturbance of areas by the public following seeding operations. The fencing shall be used freely at the direction of the Engineer.

Relocation of fencing may be required as the work progresses. No extra payment shall be made for temporarily opening and re-closing the fence, or relocation of the fencing as needed to perform the work.

This item includes construction fencing placed as tree protection fencing.

Construction Fencing shall be Orange color, high-density polyethylene mesh conforming to the following:

- Mesh opening: 1 inch minimum to 3 inch maximum

- Height: 4 feet
- Ultimate tensile strength: Avg 3000lb per 4' width (ASTM D638)

METHOD OF MEASUREMENT

Construction Fencing (plastic) shall be measured by the Linear Foot of material placed, maintained, and removed.

BASIS OF PAYMENT

Construction fence (plastic) 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, disposal and incidentals required to complete the work as set forth in the description.

BID ITEM 90012 – TEMPORARY PEDESTRIAN SURFACE ASPHALT

DESCRIPTION

This special provision describes providing, maintaining, and removing temporary pedestrian surface.

MATERIALS

Furnish 1 1/4-inch dense graded aggregate conforming to subsection 305.2 of the WisDOT Standard Specifications. Furnish:

- Asphaltic surface conforming to subsection 465.2 of the WisDOT Standard Specifications.
- Pressure treated 2x4 framing lumber, pressure treated 3/4 inch plywood with skid resistant surface coating, and weather resistant deck screws 3 1/2 inch minimum for framing and 1 5/8 inch minimum for plywood.
- 1/4 inch minimum steel plate or commercially available prefabricated plates with skid resistant surface coating conforming to Americans with Disabilities Act Accessibility Guidelines. If placed in the roadway, must be able to handle a vehicle weight of 88,000 lbs.

CONSTRUCTION

Place, compact, and level a dense graded aggregate foundation before placing the surface.
Provide a firm, stable, and slip-resistant surface layer with vertical joints no higher than 1/4 inch and horizontal joints no wider than 1/2 inch. Sheet materials up to 1 inch thick may be lapped if the edge is beveled at 45 degrees or flatter. Asphalt may also be used to ramp up to materials up to 1 inch thick. Construct conforming to the following:

- Asphalt surface a minimum of 2 inches thick compacted with compactors, tampers, or rollers.
- Framed plywood panels 4 feet wide with a skid resistant surface coating.
- Steel or prefabricated plate with a skid resistant surface coating.

Align parallel to the existing roadway grade or, if outside of a street or highway right-of-way, do not exceed 5 percent longitudinal slope. Provide cross slope of 1 to 2 percent unless the Engineer approves a steeper cross slope in writing. Maintain the surface with a 4 foot minimum clear width and the specified joint and slope requirements. Repair or reconstruct installations disturbed during construction operations. Remove and dispose of as specified in subsection 203.3.4 of the WisDOT Standard Specifications when no longer required.

METHOD OF MEASUREMENT

Temporary Pedestrian Surface shall be measured by the square foot acceptably completed.

BASIS OF PAYMENT

Temporary Pedestrian Surface shall be measured as described above shall be full payment for providing, maintaining, and removing temporary pedestrian surface.

BID ITEM 90013 – TEMPORARY CURB RAMP

DESCRIPTION

This special provision describes providing, maintaining, and removing temporary curb ramps.

MATERIALS

Furnish materials as follows:
- Asphaltic surface conforming to subsection 465.2 of the WisDOT Standard Specifications.
- Engineer-approved ready mixed concrete.
- Commercially available prefabricated curb ramps conforming to Americans with Disabilities Act Accessibility Guidelines.

Furnish curb ramp detectable warning fields conforming to Americans with Disabilities Act Accessibility Guidelines. Use either an Engineer-approved surface-applied type or cast iron from the WisDOT's approved products list.

CONSTRUCTION

Provide and maintain temporary curb ramps, including detectable warning fields, throughout the project duration. Place and compact a dense graded aggregate foundation before placing the curb ramp, unless the curb ramp is to be placed on existing roadway surface.
Remove and dispose temporary curb ramps and associated detectable warning fields when no longer required.

METHOD OF MEASUREMENT

Temporary Curb Ramp shall be measured by each individual ramp acceptably completed.

BASIS OF PAYMENT

Temporary Curb Ramp shall be measured as descried above shall be full payment for providing, maintaining, and removing temporary curb ramps.

BID ITEM 90014 – EXCAVATION, LOADING AND HAULING OF PETROLEUM CONTAMINATED SOIL

DESCRIPTION

This special provision describes excavating, loading, and hauling of petroleum contaminated soil to the Waste Management Deer Track Park Landfill. The City of Madison shall be responsible for all waste profiling and provide signed manifests to the Contractor to take with each load to the landfill. Tipping fees shall be paid for by the City of Madison.

Waste Management Deer Track Park Landfill
N6756 Waldmann Lane
Watertown, WI 53094
(t) 866.909.4458

Work shall be performed in accordance with section 205 of the WisDOT Standard Specifications 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.

Notice to the Contractor – Contaminated Soil Locations

Zones of known or suspected petroleum-contamination are indicated on the construction plan set, based on soil borings and DNR files. If contaminated soils—based on unusual odor, presence of cinders, staining, etc.—are encountered elsewhere on the project, terminate excavation activities in the area and 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

Coordination

Do not transport materials offsite to a landfill for disposal without prior approval from the environmental consultant. Coordinate work under this contract with the City of Madison Environmental Consultant:

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

The role of the Environmental Consultant will be limited to:

- Providing hauling manifests for Waste Management Deer Track Park Landfill.
- Assisting with determining the location and limits of petroleum-contaminated soil to be excavated based on soil analytical results, visual observations, and/or field screening instruments.
- Coordinating response measures for unknown contamination encountered.
- Documenting that activities associated with management of contaminated soil are in conformance with the contaminated soil management methods for this project as specified herein.

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 (3) calendar days prior to commencement of excavation activities in each of the contaminated areas.

Health and Safety Requirements

Supplement subsection 107.1 of the WisDOT Standard Specifications with the following:

During excavation activities, expect to encounter soil contaminated with petroleum contamination. 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.

CONSTRUCTION

Subsection 205.3 of the WisDOT Standard Specifications is supplemented with the following:

Assist the environmental consultant in collecting soil samples for evaluation using excavation equipment.

While excavating, only excavate contaminated soils as required by the construction plan set. Do not over-excavate contaminated soils, unless directed by the Environmental Consultant or Engineer.

Directly load and haul soils designated in the construction plan set or by the Environmental Consultant for offsite landfill. Excavated contaminated soils may be temporarily stockpiled on site for no more than 24 hours. WDNR stockpile requirements for contaminated materials are specified in NR 718.05. Place contaminated soil on base material impervious to the contaminant and to water, such as concrete, asphalt, or plastic sheeting. Cover piles with impervious material, such as plastic sheeting, to prevent infiltration of precipitation and to inhibit volatilization of soil contaminants.

Use loading and hauling practices that are appropriate to prevent any spills or releases of contaminated soils or residues. If spills or releases occur, immediately notify the Environmental Consultant and Engineer. Immediately recover all contaminated soil, residue, and any new contamination that was caused by the spill or release. Prior to transport, sufficiently dewater soils designated for off-site disposal so as not to contain free liquids.

Dispose of petroleum-contaminated soil at the approved facility's bioremediation facility.

METHOD OF MEASUREMENT

Excavation, Loading and Hauling of Petroleum-Contaminated Soil will be measured in tons of contaminated soil accepted by the approved landfill as documented by weight tickets generated by the landfill.

BASIS OF PAYMENT

This item, measured as provided above will be paid at the contract unit price, which is full compensation for contaminated soil excavation, segregation, loading, and hauling of petroleum-contaminated soil; assistance with soil sampling; dewatering soil prior to transport; temporary stockpiling; replacement fill material; weighing of trucks; obtaining weight tickets from scale attendant; providing original copies of weight tickets to the Engineer and the Environmental Consultant; arranging to have certificate of soil treatment submitted to the Engineer and the Environmental Consultant; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

BID ITEM 90015 R-13-325, 90016 R-13-326, 90017 R-13-327, 90018 R-13-328, 90019 R-13-329 – WALL MODULAR BLOCK GRAVITY

DESCRIPTION

This special provision describes designing, furnishing materials and erecting a permanent earth retention system in accordance to the lines, dimension, elevations and details as shown on the plans and provided in the contract. The design life of the wall and all wall components shall be 75 years minimum.

MATERIALS

B.1 Proprietary Wall Systems

The supplied wall system must be from the WisDOT approved list of Modular Block Gravity Wall systems.

Proprietary wall systems must conform to the requirements of this specification. WisDOT maintains a list of pre-approved proprietary wall systems.

B.2 Design Requirements

It is the responsibility of the contractor to submit a design and supporting documentation as required by this special provision, for review and acceptance by the City of Madison, to show the proposed wall design is in compliance with the design specifications.

The submittal shall include the following items for review: detailed plans and shop drawings, complete design calculations, explanatory notes, supporting materials, and specifications. The detailed plans and shop drawings shall include all details, dimensions, quantities and cross-sections necessary to construct the walls.

The wall submittal package shall be submitted electronically to the City of Madison Project Engineer. Submit all required information no later than 21 days prior to beginning construction of the wall. The detailed plans and shop drawings shall include all details, dimensions, quantities and cross-sections necessary to construct the walls.

The plans and shop drawings shall be prepared on reproducible sheets 11 inch x 17 inch, including borders. Each sheet shall have a title block in the lower right corner. The title block shall include the City of Madison project identification number and structure number. Design calculations and notes shall be on 8 ½ inch x 11 inch sheets, and shall contain the project identification number, name or designation of the wall, date of preparation, initials of designer and checker, and page number at the top of the page. All plans, shop drawings, and calculations shall be signed, sealed and dated by a professional Engineer licensed in the State of Wisconsin.

The design of the wall shall be in compliance with the current American Association of State Highway and Transportation Officials LRFD (AASHTO LRFD) Bridge Design Specifications with latest interim specifications for Mechanically Stabilized Earth Walls, WisDOT's Standard Specifications for Highway and Structure Construction, Chapter 14 of the WisDOT LRFD Bridge Manual and standard engineering design procedures as determined by the City of Madison. Loads, load combinations, load and resistance factors shall be as specified in AASHTO LRFD Section 11. The associated resistance factors shall be defined in accordance with Table 11.5.7-1 in AASHTO LRFD.

Design and construct the walls in accordance to the lines, grades, heights and dimensions shown on the plans, as herein specified, and as directed by the Engineer.

Walls shall be designed for a minimum live load surcharge of 100 psf in accordance with Chapter 14 of the WisDOT LRFD Bridge Manual or as shown on the plans.

A maximum value of the angle of internal friction of the wall backfill material used for design shall be assumed to be 30 degrees without a certified report of tests. If a certified report of tests yields an angle of internal friction greater than 30 degrees, the larger test value may be used for design, up to a maximum value of 36 degrees.

The design of the wall by the contractor shall consider the internal and compound stability of the wall mass in accordance with AASHTO LRFD 11.10.6. Internal stability shall also be considered at each block level. Calculations for factored stresses and resistances shall be based upon assumed conditions at the end of the design life. The width of the modular block from front face to back face of the wall shall be

included in the design computations and shown on the wall shop drawings. Compound stability shall be computed for the applicable strength limits. Sample analyses and hand calculations shall be submitted to verify the output of any software program used. The design calculations and notes shall clearly indicate the Capacity to Demand Ratios (CDR) for all internal and external stabilities as defined in AASHTO LRFD.

Wall facing units shall be designed in accordance with AASHTO LRFD 11.10.2.3.

The minimum embedment of the wall shall be 1 foot 6 inches below finished grade, or as given on the plans. All walls shall be provided with a concrete leveling pad. Minimum wall embedment does not include the leveling pad depth. Step the leveling pad to follow the general slope of the ground line. Frost depth shall not be considered in designing the wall for depth of leveling pad.
Wall facing units shall be installed on concrete leveling pads. The bottom row of blocks shall be horizontal and 100% of the block surface shall bear on the leveling pad.

Concrete leveling pads shall be as wide as the proposed blocks plus six inches, with six inches of the leveling pad extending beyond the front face of the blocks. The minimum thickness of the leveling pad shall be 6-inches.

B.3 Wall System Components

Materials furnished for wall system components under this contract shall conform to the requirements of this specification. All documentation related to material and components of the wall systems specified in this subsection shall be submitted to the Engineer.

B.3.1 Wall Facing

Wall facing units shall consist of precast modular concrete blocks. Furnish concrete produced by a dry-cast or wet-cast process. Concrete for all blocks shall not contain less than 565 pounds of cementitious materials per cubic yard. The contractor may use cement conforming to subsection 501.2.1 of the WisDOT Standard Specifications or may substitute for portland cement at the time of batching conforming to subsection 501.2.6 for fly, 501.2.7 for slag, or 501.2.8 for other pozzolans of the WisDOT Standard Specifications. In either case the maximum total supplementary cementitious content is limited to 30% of the total cementitious content by weight.

Dry-cast concrete blocks shall be manufactured in accordance with ASTM C1372 and this specification.

All units shall incorporate a mechanism or devices that develop a mechanical connection between vertical block layers. Units that are broken, have cracks wider than 0.02" and longer than 25% of the nominal height of the unit, chips larger than 1", have excessive efflorescence, or are otherwise deemed unacceptable by the Engineer, shall not be used within the wall. A single block type and style shall be used throughout each wall. The color and surface texture of the block shall be as given on the plan.
The top course of facing units shall be as noted on the plans, either;

- Solid precast concrete unit designed to be compatible with the remainder of the wall. The finishing course shall be bonded to the underlying facing units with a durable, high strength, flexible adhesive compound compatible with the block material.
- A formed cast-in-place concrete cap. A cap of this type shall have texture, color, and appearance, as noted on the plans. The vertical dimension of the cap shall not be less than 3 1/2 inches. Expansion joints shall be placed in the cap at a maximum spacing of 20 feet unless noted otherwise on the plan. Use Grade A concrete conforming to section 501 of the WisDOT Standard Specifications.

Block dimensions may vary no more than ±1/8 inch from the standard values published by the manufacturer. Blocks must have a minimum depth (front face to back face) of 8 inches. The minimum front face thickness of blocks shall be 4 inches measured perpendicular from the front face to inside voids greater than 4 square inches. The minimum allowed thickness of any other portions of the block is 1¾ inches. The front face of the blocks shall conform to plan requirements for color, texture, or patterns.

If pins are used to align modular block facing units, they shall consist of a non-degrading polymer, or hot dipping galvanized steel and be made for the express use with the modular block units supplied, to develop mechanical interlock between facing unit block layers. Connecting pins shall be capable of holding the wall in the proper position during backfilling. Furnish documentation that establishes and substantiates the design life of such devices.

For concrete leveling pad, use Grade A concrete conforming to section 501 of the WisDOT Standard Specifications.

B.3.2 Material Testing
Provide independent quality verification testing of project materials according to the following requirements:

Test	Method	Requirement	
		Dry-cast	Wet-cast
Compressive Strength (psi)	ASTM C140	5000 min.	4000 min.
Air Content (%)	AASHTO T152	N/A	6.0 +/-1.5
Water Absorption (%)	ASTM C140	6 max.[3]	N/A
Freeze-Thaw Loss (%) 40 cycles, 5 of 5 samples 50 cycles, 4 of 5 samples	ASTM C1262[1]	1.0 max.[2][3] 1.5 max.[2][3]	N/A

[1] Test shall be run using a 3% saline solution and blocks greater than 45 days old.
[2] Test results that meet either of the listed requirements for Freeze-Thaw Loss are acceptable.
[3] The independent testing laboratory shall control and conduct all sampling and testing. Prior to sampling, the manufacturer's representative shall identify materials by lot. Five blocks per lot shall be randomly selected for testing. Solid blocks used as a finishing or top course shall not be selected. The selected blocks shall remain under the control of the person who conducted the sampling until shipped or delivered to the testing laboratory. All pallets of blocks within a lot shall be strapped or wrapped to secure the contents and tagged or marked for identification. The Engineer will reject any pallet of blocks delivered to the project without intact security measures. At no expense to the City of Madison, the contractor shall remove all rejected blocks from the project. If a random sample of five blocks of any lot tested by the department fails to meet any of the above testing requirements, the entire lot will be considered non-conforming.

The contractor and fabricator shall coordinate with the independent testing agency to ensure that strength and air content samples can be taken appropriately during manufacturing. At the time of delivery of materials, furnish the Engineer a certified report of test from an AASHTO-registered or ASTM-accredited independent testing laboratory for each lot.
The certified test report shall include the following:

- Project ID
- Production process used (dry-cast or wet-cast)
- Name and location of testing facility

- Name of sampling technician
- Lot number and lot size

Testing of project materials shall be completed not more than 18 months prior to delivery. Independent testing frequency shall not exceed 5000 blocks for dry-cast blocks and the lesser of 150 CY or 1 days' production for wet-cast blocks. The certified test results will represent all blocks within the lot. Each pallet of blocks delivered shall bear lot identification information. Block lots that do not meet the requirements of this specification or blocks without supporting certified test reports will be rejected and shall be removed from the project at no expense to the City of Madison.

Nonconforming materials will be subject to evaluation according to subsection 106.5 of the WisDOT Standard Specifications.

B.3.3 Backfill

Furnish and place backfill for the wall as shown on the plans and as hereinafter provided.

Wall Backfill, Type A, shall comply with the requirements for Coarse Aggregate Size No. 1 as given in subsection 501.2.5.4 of the WisDOT Standard Specifications. All backfill placed within a zone from the top of the leveling pad to the top of the final layer of wall facing units and within 1 foot behind the back face of the wall shall be Wall Backfill, Type A. This includes all material used to fill openings in the wall facing units.

A layer of geotextile fabric as recommended by the wall manufacturer shall be placed vertically between the backfill and the Wall Backfill, Type A. The geotextile shall extend from the top of the leveling pad to 6 inches below the surface of the retained soil. The geotextile shall then wrap across the top of the Wall Backfill, Type A to the back of block wall facing.

Backfill placed between retained soil and Wall Backfill, Type A shall comply with the City of Madison bid item Select Fill Sand meeting the requirement of Granular Backfill Grade 1 as contained in subsection 209.2.2 of the WisDOT Standard Specifications.

CONSTRUCTION

C.1 Excavation and Backfill

Excavation and preparation of the foundation for the wall and the leveling pad shall be in accordance to Section 206 of the WisDOT Standard Specifications. At the end of each working day, provide good temporary drainage such that the backfill shall not become contaminated with run-off soil or water if it should rain. Do not stockpile or store materials or large equipment within 10 feet of the back of the wall.

Place backfill materials in the areas as indicated on the plans and as detailed in this specification. Backfill lifts shall be no more than 8-inches in depth, after compaction. Backfilling shall closely follow erection of each course of wall facing units.

Conduct backfilling operations in such a manner as to prevent damage or misalignment of the wall facing units or other wall components. At no expense to the City, correct any such damage or misalignment as directed by the Engineer. A field representative of the wall supplier shall be available during wall construction to provide technical assistance to the contractor and the Engineer.

Do not operate tracked or wheeled equipment on the backfill within 3 feet from the back face of modular blocks. The Engineer may order the removal of any large or heavy equipment that may cause damage or misalignment of the wall facing units.

C.2 Compaction

Compact Wall Backfill Type A with at least three passes of lightweight manually operated compaction equipment acceptable to the Engineer.
Ensure adequate moisture is present in the backfill during placement and compaction to prevent segregation and to help achieve compaction.

Compaction of backfill within 3 feet of the back face of the wall should be accomplished using lightweight compaction devices. Use of heavy compaction equipment or vehicles should be avoided within 3 feet of the modular blocks.

C.3 Wall Components

Erect wall facing units and other associated elements according to the wall manufacturer's construction guide and to the lines, elevations, batter, and tolerances as shown on the plans. Center the initial layer of facing units on the leveling pad; then level them and properly align them. Fill formed voids or openings in the facing units with wall backfill, Type A. Remove all debris on the top of each layer of facing units, before placing the next layer of facing units.
Install all pins, rods, clips, or other devices used to develop mechanical interlock between facing unit layers in accordance with the manufacturer's directions.

C.4 Geotechnical Information

Geotechnical data to be used in the design of the wall is given on the wall plan. The full final Geotechnical Exploration Report is available from City of Madison Engineering on request.

After completion of wall excavation, notify the City of Madison and allow 2 working days for the Construction Engineer to review the foundation.

METHOD OF MEASUREMENT

Wall Modular Block Gravity shall be measured by the square foot acceptably completed, measured at the front face of wall as defined by the pay limits the contract plans show. Unless the Engineer directs in writing, a change to the limits indicated on the contract plan, wall area constructed above or below these limits will not be measured for payment.

BASIS OF PAYMENT

Wall Modular Block Gravity shall be measured quantity at the contract unit price under the following bid items:

Payment is full compensation for supplying a design and shop drawings; preparing the site, including all necessary excavation and disposal of materials; supplying all necessary wall components to produce a functional wall system including cap, copings and leveling pad; constructing the retaining system including drainage system; providing backfill, backfilling, compacting, and performing compaction testing.

Payment limit for all walls is the line of minimum embedment per section B.2. No payment will be made for additional embedment detailed for construction purposes.

Parapets, railings, and other items above the wall cap or coping will be paid for separately. Vehicle barrier and its support will be paid separately.

Any required topsoil, fertilizer, seeding or sodding and mulch will be paid for at the contract unit price for those items.

BID ITEM 90020 R-13-325, 90021 R-13-326, 90022 R-13-327, 90023 R-13-328, 90024 R-13-329 – STEEL RAILING, TYPE 1 FOR RETAINING WALL

DESCRIPTION

This special provision describes fabricating, galvanizing, painting and installing railing in accordance with Sections 506, 513 and 517 of the WisDOT Standard Specifications and the plan details, as directed by the Engineer, and as hereinafter provided.

MATERIALS

All materials for railing shall be new stock, free from defects impairing strength, durability and appearance. Railing assemblies shall be galvanized and receive a two-coat coating system. Bubbles, blisters and flaking in the coating will be a basis for rejection.

Railing Components

Base plates shall conform to ASTM A709 Grade 36

Steel Tubes shall conform to ASTM A500 Grade B

All welds shall be 3/16 inch fillet welds with E70XX electrodes unless otherwise noted.

Post based plates shall be flat will all surfaces smooth and free from warp and all edges smooth, straight and vertical. All plate cuts shall be machine or machine flame cut.

Fill bolt slot openings in post shims and base plate with non-staining gray, non-bituminous joint sealer.

Steel post shills may be used under posts where required for alignment.

Mounting hardware shall conform to ASTM 325.

Coating System

Galvanizing

After fabrication, blast clean steel railing assemblies per SSPC-SP6 and galvanize according to ASTM A123. Vent holes shall be drilled in members as required to facilitate galvanizing and drainage. Location and size of vent holes are to be shown on the shop drawings. All burrs at component edges, corners and at holes shall be removed and sharp edges chamfered before galvanizing. Condition any thermal cut edges before blast cleaning by shallow grinding or other cleaning to remove any hardened surface layer. Remove all evident steel defects exposed in accordance to AASHTO M 160 prior to blast cleaning. Lumps, projections, globules, or heavy deposits of galvanizing, which will provide surface conditions that when painted, will produce unacceptable aesthetic and/or visual qualities, will not be permitted.

Two-Coat Paint System

After galvanizing, paint all exterior surfaces of steel railing assemblies and inside of rail elements at field erection and expansion joints as hereinafter provided. All galvanized surfaces to be painted shall be cleaned per SSPC-SP1 to remove chlorides, sulfates, zinc salts, oil, dirt, organic matter and other contaminants. The cleaned surface shall then be brush blast cleaned per SSPC-SP16 to create a slight angular surface profile per manufacturer's recommendation for adhesion of the tie coat. Blasting shall not fracture the galvanized finish or remove any dry film thickness. After cleaning, apply a tie coat from an

approved coating system that is specifically intended to be used on a galvanized surface, per manufacturer's recommendations. The tie coat shall etch the galvanized rail and prepare the surface for the top coat. Apply a top coat per manufacturer's recommendations, matching the specified color shown on the plans. Use a preapproved top coat that is resistant to the effects of the sun and is suitable for a marine environment. The tie and top coats should be of contrasting colors, and come from the same manufacturer.

Ensure that the paint manufacturer reviews the process to be used for surface preparation and application of the paint coating system with the paint applier. The review shall include a visit to the facility performing the work if requested by the paint manufacturer. Provide written confirmation, from the paint manufacturer to the Engineer, that the review has taken place and that issues raised have been addressed before beginning coating work under the contract.

Use one of the qualified paint manufacturers and products given below. An equivalent system may be used with the written approval of the Engineer.

Manufacturer	Coat	Products	Dry Film Minimum Thickness (mils)	Min. Time Between Coats (hrs)
Tneme 6800 Corporate Drive Kansas City, MO 64120 1-800-863-6321	Tie Top	F.C. Typoxy Series 27 Endura-Shield II Series 1074U	2.0 to 6.0	8
Carboline 2150 Schuetz Road St. Louis, MO 63146 314-644-1000	Tie Top	Carboguard 888 Carboxane 2000 Satin	3.0 to 4.0 2.0 to 4.0	8 NA
Wasser Corporation Suite B Auburn, WA 98001 253-850-2967	Tie Top	MC- Miozinc MC- Ferrox A 2.8	3.0 to 4.0 2.0 to 4.0	8 NA

Shop Drawings

Submit shop drawings showing the details of railing construction. Show the railing height post spacing, rail location, weld sizes and locations and all dimensions necessary for the construction of the railing. Show location of shop rail splices, field erection joints and expansion joints. State the name of the paint manufacturer and the product name of the tie coat and top coat used along with the color. State the size and material type used for all components. Also show the size and location of any vent or drainage holes provided.

CONSTRUCTION

Delivery, Storage and Handling

Deliver material to the site in an undamaged condition. Upon receipt at the job site, all materials shall be thoroughly inspected to ensure that no damage occurred during shipping or handling and conditions of materials is in conformance with these specifications. If coating is damaged, Contractor shall repair or replace railing assemblies to the approval of the Engineer at no additional cost to the City. Carefully store the material off the ground to ensure proper ventilation and drainage. Exercise care so as not to damage

the coated surface during railing installation. No field welding, field cutting or drilling will be permitted without the approval of the Engineer.

Touch-up and Repair

For minor damage caused by shipping, handling or installation to coated surfaces, touch- up the surface in conformance with the manufacturer's recommendations. If damage is excessive, the railing assembly shall be replaced at no additional cost to the Owner. The Contractor shall provide the Engineer with a copy of the manufacturer's recommended repair procedure and materials before repairing damaged coatings.

METHOD OF MEASUREMENT

Steel Railing Type 1 will be measured by the linear foot along the centerline of the rail, completed and accepted.

BASIS OF PAYMENT

Steel Railing, Type 1, measured as described above will be paid for at the contract unit price per linear foot. Payment is full compensation for furnishing, fabricating, galvanizing, painting, delivering and installing the steel railings, including all equipment, tools, labor, mounting hardware and incidentals necessary to complete the work as specified.

BID ITEM 90025 R-13-325, 90026 R-13-326, 90027 R-13-327, 90028 R-13-328, 90029 R-13-329 – CONCRETE STAINING

DESCRIPTION

This special provision describes providing a two coat concrete stain on the exposed concrete surfaces of structures as the plans show.

MATERIALS

B.1 Mortar

Use mortar for sack rubbing the concrete surfaces as given in subsection 502.3.7.5 of the WisDOT Standard Specifications or use one of the following products:

Preblended, Packaged Type II Cement:	Tri-Mix by TK Products
	Thoroseal Pearl Gray by Thoro Products

The mortar shall contain one of the following acrylic bonding admixtures mixed and applied according to manufacturer's recommendations:

Acrylic Bonding Admixture:	TK-225 by TK Products
	Achro 60 by Thoro Products
	Achro Set by Master Builders

B.2 Concrete Stain

Use concrete stain manufactured for use on exterior concrete surfaces, consisting of a base coat and a pigmented sealer finish coat. Use the following products, or equal as approved by the City of Madison, as part of the two coat finish system:

Tri-Sheen Concrete Surfacer, Smooth by TK Products

Tri-Sheen Acrylic by TK Products

TK-1450 Natural Look Urethane Anti-Graffiti Primers by TK Products

Safe-Cure & Seal EPX by Chem Masters

H&C Concrete Stain Solid Color Water Based by Sherwin-Williams

CONSTRUCTION

C.1 General
Furnish, prepare, apply, cure, and store all materials according to the product manufacturer's specifications for the type and condition of application required.
Match or exceed the stain manufacturer's minimum recommended curing time of the concrete or 28 days, whichever is greater, before staining.

C.2 Preparation of Concrete Surfaces
Provide a sack rubbed finish as specified in subsection 502.3.7.5 of the WisDOT Standard Specifications, using mortar as indicated above on concrete surfaces with open voids or honeycombing.
Following the sack rubbing, clean all concrete surfaces that are to be coated to ensure that the surface is free of all laitance, dirt, dust, grease, efflorescence, and any foreign material and that the surface will accept the coating material according to product requirements. As a minimum, clean the surface using a 3000-psi water blast. Hold the nozzle of the water blaster approximately 6 inches from the concrete surface and move it continuously in a sweeping motion. Give special attention to smooth concrete surfaces to produce an acceptable surface texture. Correct any surface problems resulting from the surface preparation methods. Grit blasting of the concrete surface is not allowed.

C.3 Staining Concrete Surfaces
Apply the concrete stain according to the manufacturer's recommendations.
Apply the concrete stain when the temperature of the concrete surface is 45° F or higher, or as given by the manufacturer.
The color of the stain shall be as given on the plan. Tint the base coat to match the finish coat; the two coats shall be compatible with each other.
Do not begin staining the structure until earthwork operations are completed to a point where this work can begin without receiving damage. Where this work is adjacent to exposed soil or pavement areas, provide temporary covering protection from overspray or splatter.

C.4 Test Areas
Before applying stain to the structure, apply the stain to sample panels measuring a minimum of 48 inches x 48 inches and constructed to demonstrate workmanship in the use of the form liner specified on the structure if applicable. Match or exceed the stain manufacturer's minimum recommended curing time of the concrete or 28 days, whichever is greater, before staining. Prepare the concrete surfaces of the sample panels and apply stain using the same materials and in the same manner as proposed for the structure, including staining of the joints between the stones produced by the form liner if applicable. Do not apply stain to the structure until the City of Madison approves the test panels.

C.5 Surfaces to be Coated.
Apply concrete stain to the surfaces according to the plan.

METHOD OF MEASUREMENT

Concrete Staining shall be measured by the square foot of surface, acceptably prepared and stained.

BASIS OF PAYMENT

Concrete Staining shall be measured as described above shall be full payment for furnishing and applying the two coat system; for preparing the concrete surface; and for preparing the sample panels.

BID ITEM 90030 TEMPORARY SHORING LEFT-IN-PLACE R-13-328, 90031 TEMPORARY SHORING R-13-329

This special provision describes Temporary Shoring Left-in-Place and Temporary Shoring conforming to Section 511 of the WisDOT Standard Specifications.

BID ITEM 90032 PRECAST SIGN POST BASE

DESCRIPTION

This special provision describes constructing and installing precast sign post bases at locations shown on the plans and in accordance with City of Madison SDD 6.42.

MATERIALS

All materials furnished for the work shall meet the requirements for the class of materials named. Specific reference is made to the following sections of the *Wisconsin Department of Transportation Standard Specifications*:

Concrete Masonry	section 501
Steel Reinforcement	section 505

Concrete Masonry shall be of a 3,200-psi minimum strength in 28 days. The 2-inch x 24-inch +1/3-inch insert shall be an ASTMA Designation 120 A53 Fed Spec P404, Schedule 40 untreated black pipe 2-inch diameter, with a galvanized rigid conduit coupling installed.

CONSTRUCTION

Form the 24-inch x 11-inch precast base in accordance to the details in the plan. Weld the coupling and pipe over 50 percent of the circumference. Center the insert in the base and plumb with the vertical axis of the base, and place so that the coupling is flush 1/8 inch with the top of the troweled surface of the base. The bottom of the insert extends a minimum of 1/8-inch below the base and shall remain open to permit drainage. Weld 3/8-inch by 8-inch reinforcing bar to the insert 8 inches from the top of the base and 8 inches from the bottom of the base to prevent the insert from rotating within the concrete base.

Set the signpost bases at the locations shown on the plans. The center of the finished installation shall be 2'6" + inches from the face of the adjacent curb.

Upon request and reasonable notice from the contractor, the engineer will establish and stake the location for the sign post bases. The City of Madison Traffic Engineering Division Staff will verify all signpost base locations.

Coat the threads of the pipe and coupling in the base with graphite grease prior to assembly. Install the base and pipe as a unit, level with the finished grade of the surrounding surface with the pipe plumb. Tamp the material used for backfilling around the base in 6-inch layers to ensure the installation will remain plumb. Provide a one-year warranty that the signpost base installation shall remain plumb.

Remove and dispose of all excess excavation, surplus material and debris resulting from operations and satisfactorily repair and restore other work damaged by operations.

METHOD OF MEASUREMENT

This item will be measured as each individual precast sign post base acceptably completed.

BASIS OF PAYMENT

Payment is full compensation for furnishing all materials; for the manufacture of the sign post base; for hauling, handling and installing the sign post base, including backfill.

BID ITEM 90033 SIGN POST BASE FOR CONCRETE INSTALLATION

DESCRIPTION

This special provision describes constructing and installing the sign post bases in concrete sidewalk or pavement at locations shown on the plans and in accordance with City of Madison SDD 6.41.

MATERIALS

The 2-inch x 16-inch sign post base shall be an ASTMA Designation 120 A53 Fed Spec P404, Schedule 40 untreated black pipe 2-inch diameter, with a galvanized rigid conduit coupling installed.

Waterproof anchoring cement for concrete shall be Unitex, Thorogrip 29/64 or equivalent.

CONSTRUCTION

The sign post base shall consist of a 2-inch x 16-inch schedule 40 pipe with attached 2" rigid conduit galvanized coupling in accordance to the details in the plan. Weld the coupling and pipe over 100 percent of the circumference.

Set the signpost bases at the locations shown on the plans. The center of the finished installation shall be 5'0" (2'6" for Advanced Street Name Sign Special installations) from the face of the adjacent curb or from the edge of paved shoulder. Upon request and reasonable notice from the contractor, the engineer will establish and stake the location for the sign post bases. The City of Madison Traffic Engineering Division Staff will verify all signpost base locations.

Box out all installations in hard surfaced areas (concrete) with a round PVC pipe with a minimum diameter of 3-inches or installed by drilling or core drilling a 3-inch hole all the way through the concrete to the base material. If drilling in architectural concrete pavement, cover the surface prior to drilling to protect the surface from drilling slurry. Coordinate all box out locations. With a temporary pipe 4 to 5 feet long, hand-tighten it into the insert. Drive the insert into the base material at a level/plumb position until the insert is flush with the top of the concrete. Shim insert to a level/plumb position with lag bolts or p.k. nails. All shims must be set below the concrete/insert. Remove temporary pipe, replace with permanent pipe, and tighten into insert with large pipe wrench until insert turns. Reset shims or add shims until pipe no longer turns. Retighten pipe and recheck level/plumb/top of concrete with insert. Patch concrete with a waterproof anchoring cement for concrete. Mix patch to a liquid consistency, not a paste. Pour patch until it is flush with the top of the insert. Recheck level/plumb/top of concrete with insert immediately due to fast setting time of cement. Additional cement may be required as it settles. Completed installation shall be level/plumb, solid, and able to support required sign post and signs. Patch shall be flush with adjacent concrete without exposed shims.

Coat the threads of the pipe and coupling in the base with graphite grease prior to assembly. Install the base such that the installed sign post will be plumb. Provide a one- year warranty that the signpost base installation shall remain plumb.

Remove and dispose of all excess excavation, surplus material and debris resulting from operations and satisfactorily repair and restore other work damaged by operations.

METHOD OF MEASUREMENT

This item will be measured as each individual sign post base for concrete installation acceptably completed.

BASIS OF PAYMENT

Payment is full compensation for furnishing all materials; for the manufacture of the sign post base; for hauling, handling and installing the sign post base, including drilling holes in concrete; and anchoring cement.

BID ITEM 90034 SIGN POST; 90035 REFLECTIVE SIGN POST

DESCRIPTION

This special provision describes furnishing and installing new signposts, reflective signposts, and or powder coated signposts for signs. All signposts shall be round tubular steel and installed as shown in the plans and in accordance with City of Madison SDD 6.43.

MATERIALS

All materials shall conform to the standard specifications for hot rolled carbon sheet steel, commercial quality, ASTM A-570-GR-33 for zinc coated tubing to resist corrosion. The tube shall be 2-inch, Schedule-40. Reflective sign post shall have two sheets of engineer grade yellow sheeting completely around pipe as shown in the plans.

CONSTRUCTION

Install the signposts at the locations shown on the plans and approved by the engineer. R4-7 Keep Right signs placed in the median island nose areas should be located as close as possible to the end of the nose but not where the sides of the sign would overhang the back of the island curb. If the finished grade cannot be determined, ask the engineer to identify the final grade. All signs shall be in a true vertical position. Install all signs to conform to the latest edition of the Wisconsin Manual on Uniform Traffic Control Devices. Also, locate all underground utilities prior to placing signposts. Cut off excess length of post in the field to provide the desired sign clearance. Replace all materials damaged during construction with new items at no cost to the City of Madison.
Notify the City of Madison within three working days of placing the sign post for signs the city will install. Contact City of Madison Traffic Engineering Field Operations Facility at (608) 266-4767.

METHOD OF MEASUREMENT

This item will be measured by the linear foot acceptably completed measured from the top of the thread to the end of the sign post rounded up to the nearest foot.

BASIS OF PAYMENT

Payment is full compensation for furnishing, hauling, and installing the posts; threading; treating cut post ends; providing and installing a water tight top end cap; providing hardware and anchors; and for reflective sheeting.

BID ITEM 90036 SIGNS TYPE II REFLECTIVE TYPE H; 90037 SIGNS TYPE II-REFLECTIVE TYPE F

DESCRIPTION

This special provision describes the fabrication, furnishing and installing of new signs on supports as indicated in the plans and details and shall be in accordance with section 637 of the Wisconsin Department of Transportation Standard Specifications except for fastening type II signs to 2-inch pipe. Fasten type II signs as described in sub-section B Materials.

MATERIALS

All sign blanks under this special provision shall be made of sheet aluminum. Fasten type II signs to 2-inch pipe installations using single or double Morris ring sign brackets from Vulcan Signs, TAPCO (#318), or Decker Supply (or approved equivalent).

CONSTRUCTION

Fabricate signs to the dimensions and details as shown in the plan. Mount signs as described in the plans and conforming to the latest edition of the Wisconsin Manual on Uniform Traffic Control Devices Section 2A.18. Specifically, where signs are installed in residential areas minimum mounting height from terrace or sidewalk to bottom of lowest sign shall be 7 feet. Replace all materials damaged during construction with new items at no cost to the City of Madison.

METHOD OF MEASUREMENT

This item will be measured by the square foot of sign face acceptably completed.

BASIS OF PAYMENT

Payment is full compensation for fabricating, furnishing and installing the signs.

BID ITEM 90050 – 38 INCH X 60 INCH HERCP X 36 INCH RCP TEE CLASS IV

DESCRIPTION

Where shown on the drawings, the Contractor shall provide a 38" X 60" HERCP X 36" RCP tee fitting. This bend should be a field poured or precast concrete bend.

Where precast sections are combined to form a precast bend, adequate reinforcing from each section shall be exposed and tied together. A reinforced concrete collar shall then be provided around the entire perimeter of this joint. Collar shall be sized to provide a minimum of 2-inch coverage over all reinforcing and strength equivalent to the rest of the pipe section. The interior of the joint shall be finished smooth to match the interior of adjoining surfaces.

METHOD OF MEASUREMENT

38 INCH X 60 INCH HERCP X 36 INCH RCP TEE CLASS IV shall be measured as each completed unit acceptably installed.

BASIS OF PAYMENT

38 INCH X 60 INCH HERCP X 36 INCH RCP TEE CLASS IV shall be paid for according to the unit price bid. Price bid shall include all materials, labor and equipment necessary for a complete installation as specified in the description.

BID ITEM 90070 – 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.

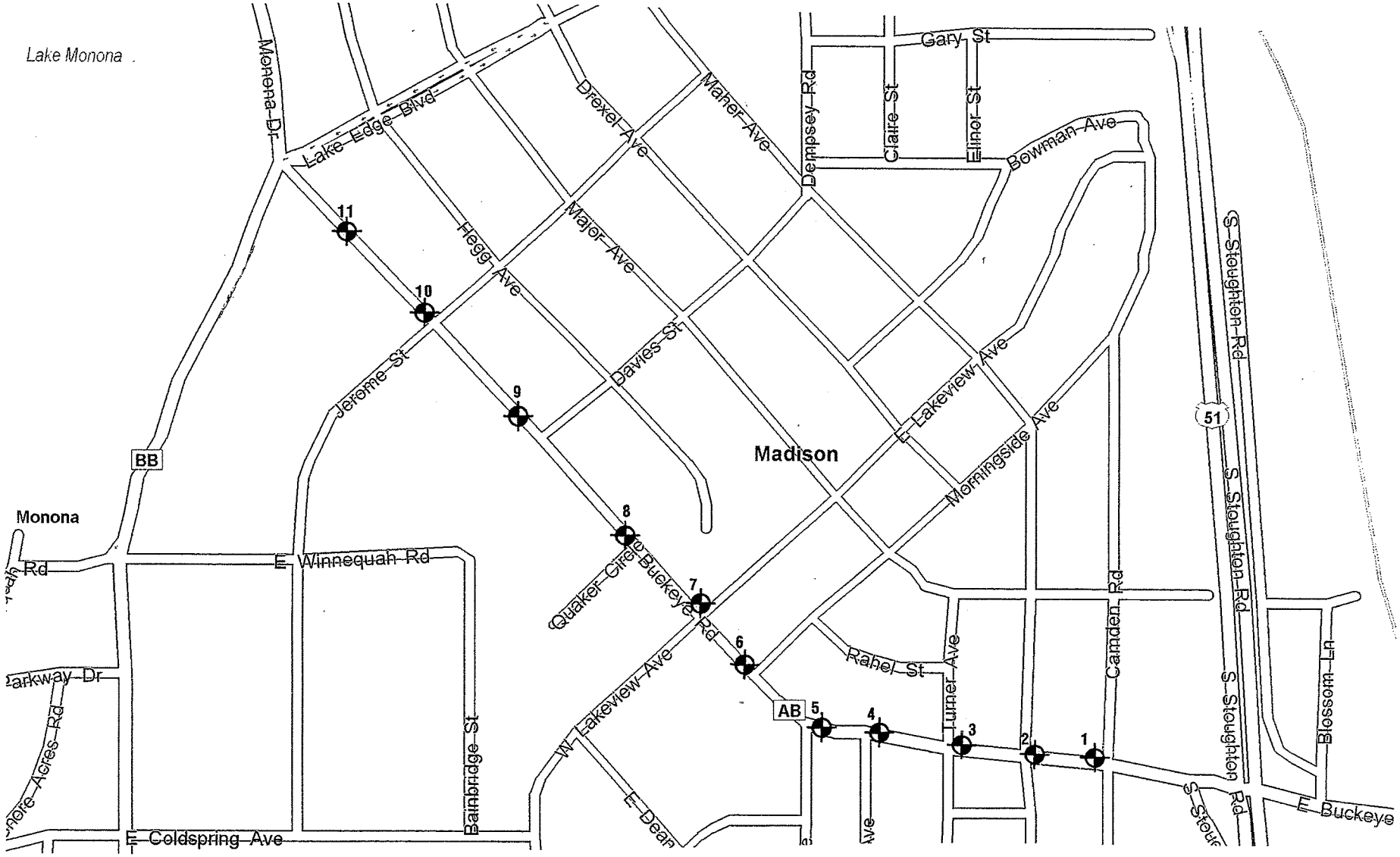
We are anticipating 150 gpm bypass being required for the sewer main on Buckeye Road based upon the operating levels of the sewer main according to the CCTV.

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.



Legend

Denotes Boring Location (approximate)

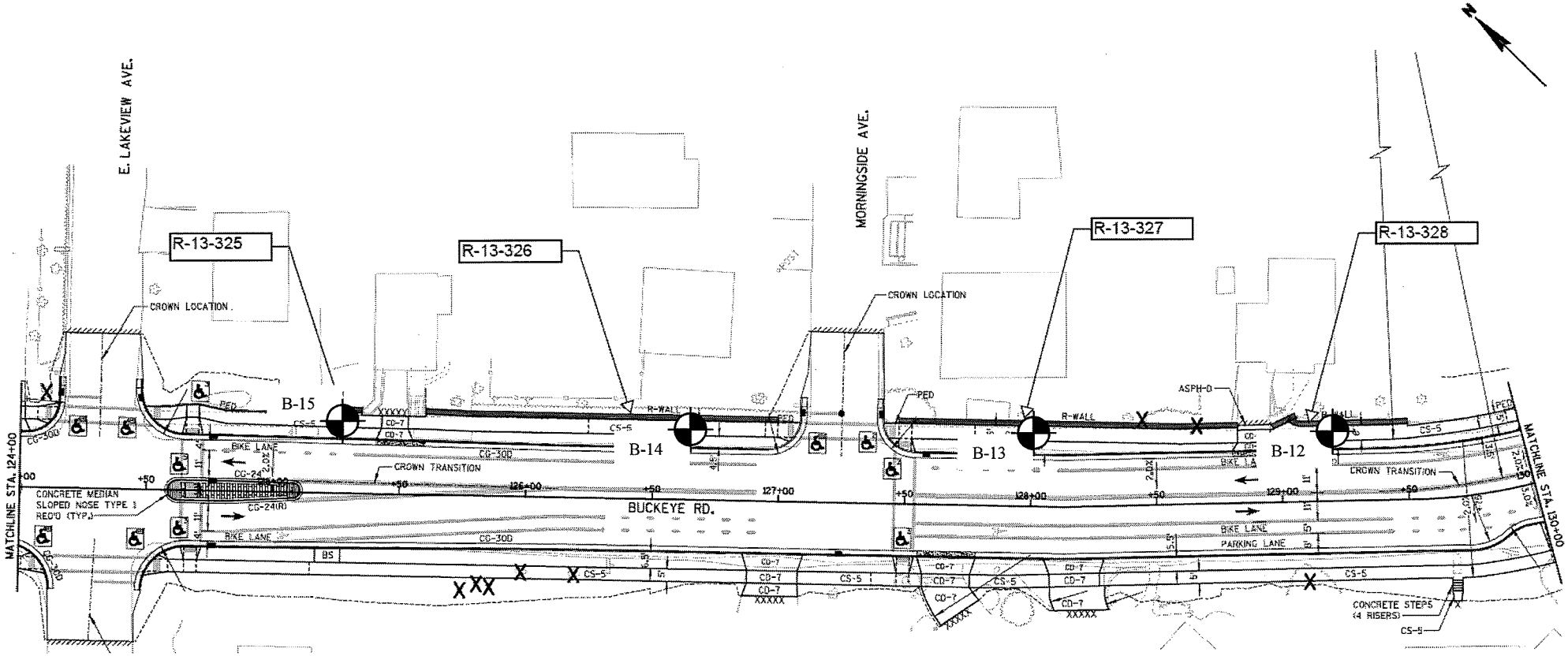
N

Notes

1. Soil borings performed by Badger State Drilling in July 2015

DWN: -	APP'D: WWW	Date: 9/15	C15051-9

SOIL BORING LOCATION PLAN
Buckeye Road State Project ID #5992-09-41
Madison, Wisconsin



Legend

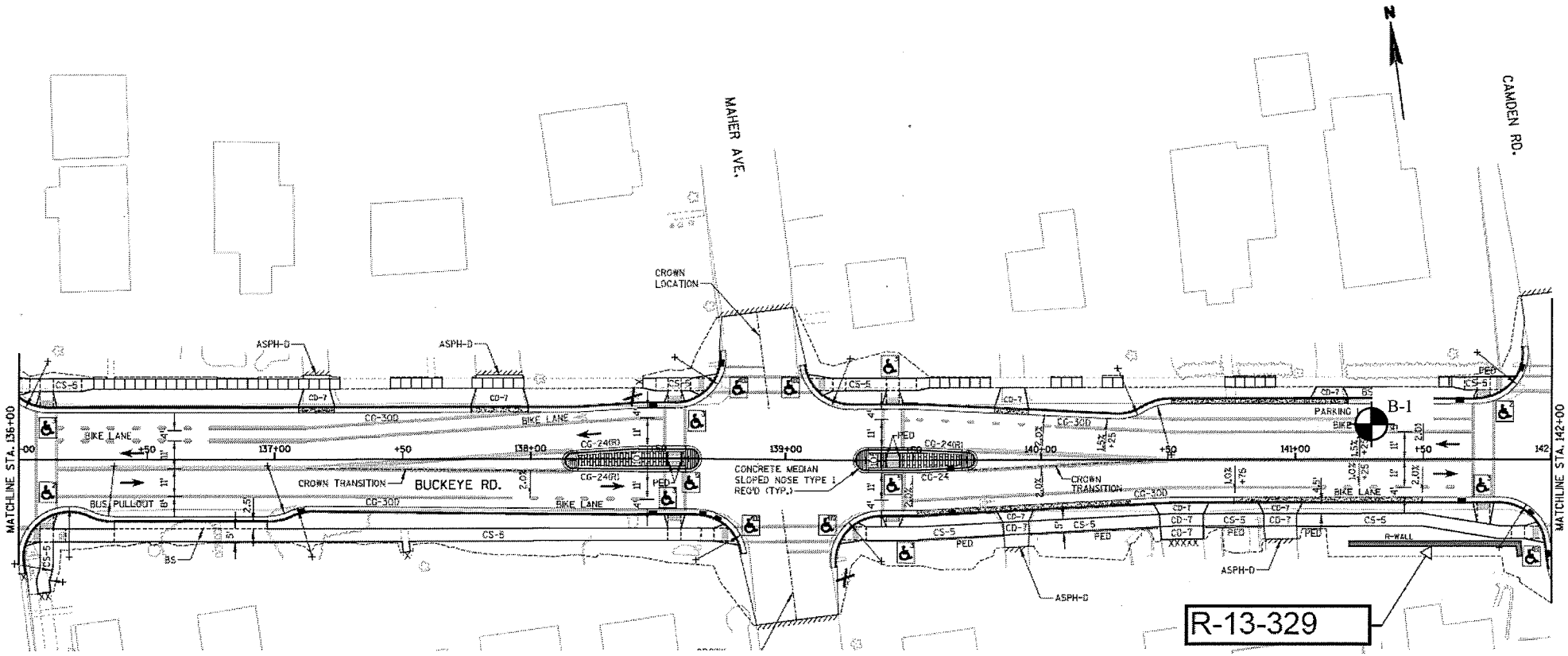
Denotes Soil Boring Location and Number

Scale: Reduced

Notes

1. Borings were performed by Badger State Drilling on August 7, 2017.
2. Boring locations are approximate.
3. Base map was prepared by Strand Associates.

Date: 01/2018	CGC, Inc.	**SOIL BORING LOCATION EXHIBIT**
Job No.: C15051-9		**Buckeye Road Retaining Walls**
		City of Madison, Dane County, Wisconsin



Legend

Denotes Soil Boring Location and Number

Notes

1. Boring was performed by Badger State Drilling on July 29, 2015.
2. Boring location is approximate.
3. Base map was prepared by Strand Associates.

Scale: Reduced

Date: 01/2018	CGC, Inc.	**SOIL BORING LOCATION EXHIBIT**
Job No.: C15051-9		**Buckeye Road Retaining Walls**
		City of Madison, Dane County, Wisconsin

CGC Inc.

LOG OF TEST BORING

Project: Buckeye Road
70'W of Camden, 15'N of CL
Location: Madison, Wisconsin

Boring No. 1
Surface Elevation (ft) 907±
Job No. C15051-9
Sheet 1 of 1

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

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						3 in. Asphalt Pavement/13 in. Base Course					
1		12	M	14		FILL: Brown Medium Dense Sand and Gravel with Silt and Recycled Asphalt					
						Soft to Medium Stiff, Brown Lean CLAY (CL)					
2		14	M	6			(0.5)	40.1			
					5						
3		20	M	6			(0.3)				
						Medium Dense to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
4		14	M	24							
					10						
5		12	M	37							
					15	End Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

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

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

GENERAL NOTES

Start 7/29/15 End 7/29/15
Driller BSD Chief KD Rig D-120
Logger DD Editor ESF
Drill Method 2.25" HSA: Autohammer

CGC Inc.

LOG OF TEST BORING

Project: **Buckeye Road**
50'E of Maher, 15'N of CL
Location: **Madison, Wisconsin**

Boring No. **2**
Surface Elevation (ft) **917±**
Job No. **C15051-9**
Sheet **1** of **1**

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

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						3 in. Asphalt Pavement/10 in. Base Course					
1		10	M/W	15		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM - Possible Fill to 3 ft)					
2		6	M/W	58/11"		Apparent Weathered to Competent Dolomitic Limestone BEDROCK					
					5	End Boring at 5.5 ft Due to Auger Refusal on Apparent Bedrock Backfilled with Soil Cuttings and Asphalt Patch					
					10						
					15						
					20						

WATER LEVEL OBSERVATIONS

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

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

GENERAL NOTES

Start **7/29/15** End **7/29/15**
Driller **BSD** Chief **KD** Rig **D-120**
Logger **DD** Editor **ESF**
Drill Method **2.25" HSA: Autohammer**

CGC Inc.

LOG OF TEST BORING

Project: **Buckeye Road**
50'E of Turner, 15'E of CL
Location: **Madison, Wisconsin**

Boring No. **3**
Surface Elevation (ft) **923±**
Job No. **C15051-9**
Sheet **1** of **1**

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

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						1 in. Asphalt Pavement/5 in Recycled Asphalt/8 in. Base Course					
1		12	M	4		Medium Stiff to Stiff, Dark Brown to Brown Lean CLAY (CL)	(0.75)	12.4			
2		16	M	7			(1.25)				
					5						
3		16	M/W	12		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
4		18	M/W	25							
					10						
						Apparent Weathered to Competent Dolomitic Limestone BEDROCK					
5		1	M	50/1"		End Boring at 11.5 ft Due to Auger Refusal on Apparent Bedrock					
						Backfilled with Bentonite Chips and Asphalt Patch					
					15						
					20						

WATER LEVEL OBSERVATIONS

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

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

GENERAL NOTES

Start **7/29/15** End **7/29/15**
Driller **BSD** Chief **KD** Rig **D-120**
Logger **DD** Editor **ESF**
Drill Method **2.25" HSA: Autohammer**

CGC Inc.

LOG OF TEST BORING

Project: **Buckeye Road**
70'E of Spaanem, 15'N of CL
Location: **Madison, Wisconsin**

Boring No. **4**
Surface Elevation (ft) **926±**
Job No. **C15051-9**
Sheet **1** of **1**

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

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						2 in. Asphalt Pavement/12 in. Base Course					
1		8	M	7		FILL: Stiff to Very Stiff, Gray and Brown Clay with Traces of Topsoil to 3 ft	(1.5-3.0)				
2		12	M	9		Loose, Brown Silty SAND, Some Gravel to 5.5 ft					
					5						
3		8	M	25		Medium Dense to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
4		10	M	32							
					10						
5		16	M	29							
					15	End Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

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

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

GENERAL NOTES

Start **7/29/15** End **7/29/15**
Driller **BSD** Chief **KD** Rig **D-120**
Logger **DD** Editor **ESF**
Drill Method **2.25" HSA: Autohammer**

CGC Inc.

LOG OF TEST BORING

Project: **Buckeye Road**
90'E of Shaffer, 3'N of CL
Location: **Madison, Wisconsin**

Boring No. **5**
Surface Elevation (ft) **931±**
Job No. **C15051-9**
Sheet **1** of **1**

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

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						4 in. Asphalt Pavement/10 in. Base Course					
1		12	M	11		Very Stiff to Stiff, Brown Lean CLAY (CL)	(2.5)	21.8			
2		14	M	8			(1.5)				
					5						
3		14	M	11		Medium Dense to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
4		18	M	32							
					10	Hard Drilling Noted by Driller Beginning at 14 ft					
5		6	M	57/8"		Apparent Weathered to Competent Dolomitic Limestone BEDROCK					
					15	End Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

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

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

GENERAL NOTES

Start **7/29/15** End **7/29/15**
Driller **BSD** Chief **KD** Rig **D-120**
Logger **DD** Editor **ESF**
Drill Method **2.25" HSA: Autohammer**

CGC Inc.

LOG OF TEST BORING

Project: **Buckeye Road**
60'NW of Morningside, 3'NE of CL
Location: **Madison, Wisconsin**

Boring No. **6**
Surface Elevation (ft) **920±**
Job No. **C15051-9**
Sheet **1** of **1**

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

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	qu (qa) (tsf)	W	LL	PL	LI
						5 in. Asphalt Pavement/6 in. Recycled Asphalt/5 in. Base Course					
1		6	M	19		FILL: Brown, Dark Gray and Black Sand and Gravel with Recycled Asphalt					
						Apparent Weathered to Competent Sandy Dolomitic Limestone BEDROCK					
2		14	M	40	5						
3		14	M	64							
4		8	M	73/8"							
					10	Hard drilling noted by driller beginninat at 10 ft					
						End Boring at 12.5 ft Due to Auger Refusal on Apparent Bedrock					
						Backfilled with Bentonite Chips and Asphalt Patch					
					15						
					20						

WATER LEVEL OBSERVATIONS

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

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

GENERAL NOTES

Start **7/29/15** End **7/29/15**
Driller **BSD** Chief **KD** Rig **D-120**
Logger **DD** Editor **ESF**
Drill Method **2.25" HSA: Autohammer**

CGC Inc.

LOG OF TEST BORING

Project: Buckeye Road
35'NW of Lakeview, 3'NE of CL
Location: Madison, Wisconsin

Boring No. 7
Surface Elevation (ft) 897±
Job No. C15051-9
Sheet 1 of 1

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

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						5 in. Asphalt Pavement/6 in. Recycled Asphalt/4 in. Base Course					
1		12	M	18		Very Stiff to Stiff, Dark Brown to Brown Lean CLAY (CL)	(3.0)	17.1			
2		10	M	9	5		(2.0)				
3		14	M			Becoming Mottled Near 6 ft	(2.5)	22.8			
4		14	M	11	10						
5		16	M	22		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
					15	End Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

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

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

GENERAL NOTES

Start 7/29/15 End 7/29/15
Driller BSD Chief KD Rig D-120
Logger DD Editor ESF
Drill Method 2.25" HSA: Autohammer

CGC Inc.

LOG OF TEST BORING

Project: **Buckeye Road**
50'NW of Quaker, 3'NE of CL
Location: **Madison, Wisconsin**

Boring No. **8**
Surface Elevation (ft) **885±**
Job No. **C15051-9**
Sheet **1** of **1**

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

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	qu (qa) (tsf)	W	LL	PL	LI
						4 in. Asphalt Pavement/5 in. Recycled Asphalt/6 in. Base Course					
1		14	M	19		FILL: Dark Brown to Dark Gray Silty Fine Sand					
2		14	M	5		Soft to Stiff, Dark Brown to Brown Lean CLAY (CL)	(0.5)	23.6			
3		14	M	22	5		(1.5)				
4		20	M	44		Dense, Brown Fine to Coarse SAND and GRAVEL, Trace Silt (SP)					
5		20	M	12	10	Apparent Weathered to Competent Whitish-Tan Sandstone BEDROCK					
					15	End Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

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

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

GENERAL NOTES

Start **7/29/15** End **7/29/15**
Driller **BSD** Chief **KD** Rig **D-120**
Logger **DD** Editor **ESF**
Drill Method **2.25" HSA: Autohammer**

CGC Inc.

LOG OF TEST BORING

Project: **Buckeye Road**
145'NW of Davies, 3'NE of CL
Location: **Madison, Wisconsin**

Boring No. **9**
Surface Elevation (ft) **889±**
Job No. **C15051-9**
Sheet **1** of **1**

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

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LI
						4 in. Asphalt Pavement/6 in. Recycled Asphalt/6 in. Base Course					
1		14	M	10		Very Stiff to Stiff, Dark Brown to Brown Lean CLAY (CL)	(3.0)	18.3			
2		14	M	8		Little to Some Sand Noted Near 4 ft	(1.5)				
					5						
						Medium Dense to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
3		14	M	39							
4		12	M	26							
					10						
5		12	M	21							
					15	End Boring at 15 ft					
						Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

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

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

GENERAL NOTES

Start **7/30/15** End **7/30/15**
Driller **BSD** Chief **KD** Rig **D-120**
Logger **DD** Editor **ESF**
Drill Method **2.25" HSA: Autohammer**

CGC Inc.

LOG OF TEST BORING

Project: **Buckeye Road**
65'NW of Jerome, 3'NE of CL
Location: **Madison, Wisconsin**

Boring No. **10**
Surface Elevation (ft) **874±**
Job No. **C15051-9**
Sheet **1** of **1**

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

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	qu (qa) (tsf)	W	LL	PL	LI
						4 in. Asphalt Pavement/5 in. Recycled Asphalt/6 in. Base Course					
1			M	11		FILL: Medium Dense, Dark Brown Silty Fine Sand, Some Gravel					
2		16	M	11	5	Medium Dense to Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
3		14	M	24							
4		18	M	15	10						
5		20	M	35	15						
						End Boring at 15 ft Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

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

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

GENERAL NOTES

Start **7/30/15** End **7/30/15**
Driller **BSD** Chief **KD** Rig **D-120**
Logger **DD** Editor **ESF**
Drill Method **2.25" HSA: Autohammer**

CGC Inc.

LOG OF TEST BORING

Project: Buckeye Road
390'NW of Jerome, 3'NE of CL
Location: Madison, Wisconsin

Boring No. 11
Surface Elevation (ft) 860±
Job No. C15051-9
Sheet 1 of 1

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

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						4 in. Asphalt Pavement/6 in. Recycled Asphalt/6 in. Base Course					
1		14	M	12		Very Stiff to Stiff, Dark Brown Lean CLAY (CL)	(2.25)				
						Stiff, Gray Lean CLAY, Some Sand (CL)					
2			M				(1.25)	20.3			
					5						
						Medium Dense, Light Brown Fine SAND, Trace Silt (SP)					
3		16	M	19							
						Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
4		10	M	13							
					10						
					▽						
5		13	W	13							
					15	End Boring at 15 ft					
						Backfilled with Bentonite Chips and Asphalt Patch					
					20						

WATER LEVEL OBSERVATIONS

While Drilling ▽ 13.5' Upon Completion of Drilling
Time After Drilling
Depth to Water ▼
Depth to Cave in 12.0'

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

GENERAL NOTES

Start 7/30/15 End 7/30/15
Driller BSD Chief KD Rig D-120
Logger DD Editor ESF
Drill Method 2.25" HSA: Autohammer

CGC Inc.

LOG OF TEST BORING

Project: **Buckeye Road Retaining Walls**
190'SE of Morningside, NE Sidewalk
Location: **Madison, WI**

Boring No. **12**
Surface Elevation (ft) **932±**
Job No. **C15051-9**
Sheet **1** of **1**

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

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	qu (qa) (tsf)	W	LL	PL	LI
						5 in. Concrete Pavement/5 in. Base Course					
1		10	M	11		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
2		10	M	18							
					5						
3		14	M	16							
4		16	M	16							
					10	Apparent Weathered to Competent Dolomitic Limestone BEDROCK					
5		10	M	67/11"							
					15						
						End of Boring at 16.5 ft Due to Auger Refusal on Apparent Bedrock Backfilled with Bentonite Chips and Concrete Patch (N43°04.460' W89°18.990')					
					20						

WATER LEVEL OBSERVATIONS

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

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

GENERAL NOTES

Start **8/7/17** End **8/7/17**
Driller **BSD** Chief **DB** Rig **D-50**
Logger **CD** Editor **ESF**
Drill Method **2.25" HSA; Autohammer**

CGC Inc.

LOG OF TEST BORING

Project: **Buckeye Road Retaining Walls**
75'SE of Morningside, NE Sidewalk
Location: **Madison, WI**

Boring No. **13**
Surface Elevation (ft) **929±**
Job No. **C15051-9**
Sheet **1** of **1**

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

SAMPLE						VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	TYPE	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LI
						6 in. Concrete Pavement/6 in. Base Course					
1		10	M	17		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
2		12	M	12							
					5						
3		10	M	27							
						Light Brown Fine SAND, Trace Silt (SP)					
4		14	M	13							
					10						
5		0		50/1"		Apparent Weathered to Competent Dolomitic Limestone BEDROCK					
						End of Boring at 12 ft Due to Auger Refusal on Apparent Bedrock					
						Backfilled with Bentonite Chips and Concrete Patch					
					15	(N43°04.477' W89°19.011')					
					20						

WATER LEVEL OBSERVATIONS

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

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

GENERAL NOTES

Start **8/7/17** End **8/7/17**
Driller **BSD** Chief **DB** Rig **D-50**
Logger **CD** Editor **ESF**
Drill Method **2.25" HSA; Autohammer**

CGC Inc.

LOG OF TEST BORING

Project **Buckeye Road Retaining Walls**
65'NW of Morningside, NE Sidewalk
Location **Madison, WI**

Boring No. **14**
Surface Elevation (ft) **920±**
Job No. **C15051-9**
Sheet **1** of **1**

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

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	W	LL	PL	LI
						5 in. Concrete Pavement/6 in. Base Course					
1		8	M	15		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
						Apparent Weathered to Competent Dolomitic Limestone BEDROCK					
2		4	M	50/5"	5						
3		12	M	87							
4		4	M	50/4"	10						
						End of Boring at 11 ft Due to Auger Refusal on Apparent Bedrock Backfilled with Bentonite Chips and Concrete Patch (N43°04.485' W89°19,024')					
					15						
					20						

WATER LEVEL OBSERVATIONS

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

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

GENERAL NOTES

Start **8/7/17** End **8/7/17**
Driller **BSD** Chief **DB** Rig **D-50**
Logger **CD** Editor **ESF**
Drill Method **2.25" HSA; Autohammer**

CGC Inc.

LOG OF TEST BORING

Project: **Buckeye Road Retaining Walls**
185'NW of Morningside, NE Sidewalk
Location: **Madison, WI**

Boring No. **15**
Surface Elevation (ft) **912±**
Job No. **C15051-9**
Sheet **1** of **1**

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

SAMPLE No.	TYPE	Rec (in.)	Moist	N	Depth (ft)	VISUAL CLASSIFICATION and Remarks	qu (qa) (tsf)	W	LL	PL	LI
						5 in. Concrete Pavement/6 in. Base Course					
1		6	M	11		Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles/Boulders (SM)					
						Apparent Weathered to Competent Dolomitic Limestone BEDROCK					
2		8	M	61/11"	5						
						End of Boring at 5 ft Due to Auger Refusal on Apparent Bedrock					
						Backfilled with Bentonite Chips and Concrete Patch					
						(N43°04.494' W89°18.043')					
					10						
					15						
					20						

WATER LEVEL OBSERVATIONS

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

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

GENERAL NOTES

Start **8/7/17** End **8/7/17**
Driller **BSD** Chief **DB** Rig **D-50**
Logger **CD** Editor **ESF**
Drill Method **2.25" HSA; Autohammer**

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

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

Deputy City Engineer
Gregory T. Fries, P.E.

Deputy Division Manager
Kathleen M. Cryan

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

Principal Engineer 1
Christina M. Bachmann, P.E.
Mark D. Moder, P.E.
Janet Schmidt, P.E.

Facilities & Sustainability
Jeanne E. Hoffman, Manager
Bryan Cooper, Principal Architect

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

Financial Manager
Steven B. Danner-Rivers

April 28, 2019

NOTICE OF ADDENDUM
ADDENDUM NO. 1
CONTRACT NO. 8277
BUCKEYE ROAD ASSESSMENT DISTRICT – 2019

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

SPECIAL PROVISIONS:
ADD THE FOLLOWING HEADING AND PARAGRAPHS TO THE END OF SECTION 107.7 MAINTENANCE OF TRAFFIC:

Buckeye Road/Frontage Road Intersection
The intersection of Buckeye Road and the Frontage Road shall be closed during the hours 7am to 4:00pm for water main and storm sewer construction for up to 5 calendar days. Construct and maintain temporary pavement over the water main and storm sewer trenches until final concrete is placed. Temporary pavement is incidental to the traffic control bid item.

The concrete pavement shall be placed in stages, the Frontage Road approaching Buckeye Road shall be reduced to 1 lane and closed to north bound traffic for up to 8 working days. Southbound traffic along the Frontage Road from Stoughton Road shall be maintained at all times.

DELETE THE 8TH PARAGRAPH OF ARTICLE 500 SEWER AND SEWER STRUCTURES GENERAL IN THE SANITARY SEWER GENERAL HEADING:

On any streets where sanitary sewer is replaced before existing water main is abandoned, a temporary water supply system shall be installed and maintained until the new water main is installed and put in to service shall be paid under BID ITEM 70110.

ADD THE FOLLOWING HEADINGS AND PARAGRAPHS TO THE END OF SECTION 701 PROVISIONS FOR WATER INSTALLATION AND ABANDONMENT:

BID ITEM 70053 REPLACE 1-INCH COPPER SERVICE LATERAL

Services with curb stops that are deemed inoperable or in conflict with existing trees that are to be preserved shall be replaced instead of reconnected per standard specifications. Coordinate with the Engineer in such instances.

BID ITEM 90080 CUT-IN OR CONNECT TO EXISTING SYSTEM: LESS THAN 12-INCH PIPE
BID ITEM 90081 CUT-IN OR CONNECT TO EXISTING SYSTEM: 12-INCH AND 16-INCH PIPE
BID ITEM 70081 FURNISH EXCAVATION AND DITCH FOR LIVE TAP

There will be two different cut-in connection bid items, based on the size of the new pipe that is being cut-in. Pipe diameters less than 12-inches will be measured and paid under bid item 90080. Pipe diameters 12-inches and larger will be measured and paid under bid item 90081. Procedures outlined in the Standard Specifications under bid item 70080 shall apply for these items.

The plans designate certain connections to existing water main as cut-in connections, however with the coordination and approval of the Engineer, live taps may be permitted as a substitute for the cut-in connection of a tee and branching valve.

PROPOSAL:
See below for a summary of items that have been removed, added or revised. Refer to the proposal for updated quantities. See proposal on bidexpress.com.

ITEMS:

Action	Bid Item	Description
REVISE	10802	ROOT CUTTING – SIDEWALK
REVISE	20401	CLEARING
REVISE	20406	GRUBBING
REVISE	30302	7 INCH CONCRETE SIDEWALK & DRIVE
REVISE	50401	12 INCH TYPE I RCP STORM SEWER PIPE
REVISE	50403	18 INCH TYPE I RCP STORM SEWER PIPE
REVISE	70003	FURNISH & INSTALL 8 INCH PIPE & FITTINGS
REVISE	70006	FURNISH AND INSTALL 16 INCH PIPE & FITTINGS
REMOVE	70080	CUT-IN-OR CONNECT TO EXISTING WATER SYSTEM
REVISE	20102	ROCK EXCAVATION
ADD	90080	CUT-IN OR CONNECT TO EXISTING SYSTEM: LESS THAN 12-INCH PIPE
ADD	90081	CUT-IN OR CONNECT TO EXISTING SYSTEM: 12-INCH AND 16-INCH PIPE

PLANS:

Title Sheet: Updated plan index with W-19 – W-23.
CR-2: Revised CR-4
PD-9: Revised background because Inlet BW-12.5 moved.
PD-15: Revised 5006 Buckeye Road driveway location.
PD-16: Revised 5006 Buckeye Road driveway location.
EC-5: Revised background because Inlet BW-12.5 moved.
EC-8: Revised 5006 Buckeye Road driveway location.
P-8: Revised 5006 Buckeye Road driveway location.
P-9: Revised bid item 10802.
P-10: Revised bid item 20401, 20406, & 30302
SN-2, SN-3, SN-4, SN-5, & SN-10: Revised background because water main & storm sewer adjusted.
SN-8: Revised background because Inlet BW-12.5 moved.
ST-2: Revised background because water main adjusted.
ST-3: Revised background because water main adjusted and revised storm sewer.
ST-4: Revised background because water main adjusted.
ST-5: Revised storm sewer.
ST-8: Revised 5006 Buckeye Road driveway location.
ST-11, ST-12, & ST-14: Revised storm sewer.
W-1 – W-18: Revised water main and miscellaneous quantities.
W-19 – W-23: New sheets, Water Impact Plans.
E-5: Revised background because storm sewer adjusted.
E-8: Revised light pole location.
E-9: Revised handhole & light pole locations.
E-10 & E-11: Revised bid item STA/Offsets.
PS-8: Update background to reflect 5006 Buckeye Road driveway apron relocation.
PS-11: Sign location adjusted.
PM-8: Update background to reflect 5006 Buckeye Road driveway apron relocation.
X-44: Removed cross section at STA 144+24 LT.

Sincerely,

Robert F. Phillips, P.E.
City Engineer

FOR

RFP:AJZ

Revision 4/29/19-AJZ
-add water impact plans

CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

Madison, Wisconsin

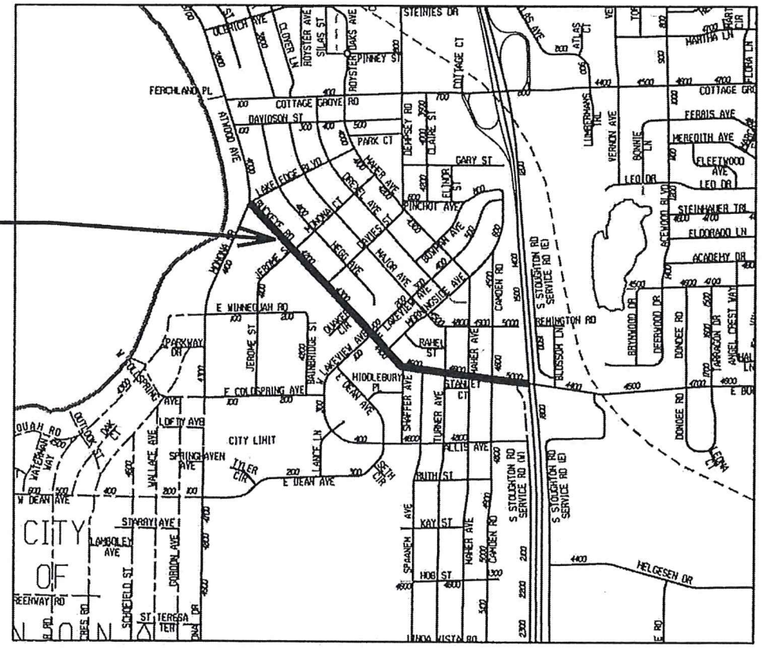
BUCKEYE ROAD ASSESSMENT DISTRICT – 2019

CITY PROJECT NO. 10228

CONTRACT NO. 8277

INDEX OF SHEETS

PROJECT LOCATION



N
W E
S

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	G
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	W
OVERHEAD ELECTRIC	OH
POWER POLE	

NOTES:

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

SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 1.50%.

SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50%.

SIDEWALK SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 5.00% UNLESS SHOWN OTHERWISE IN THE PLANS.

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

City Engineer — Date 4/12/19

ORIGINAL PLANS PREPARED BY: STRAND ASSOCIATES, INC.

WISCONSIN — ERIC D. HANSON — E-38350 — MADISON, WI — PROFESSIONAL ENGINEER — 4-15-19

SANITARY SEWER AND WATER MAIN DESIGNED BY: STRAND ASSOCIATES, INC.

WISCONSIN — STEPHANIE B. THOMSEN — E-41691 — MADISON WI — PROFESSIONAL ENGINEER — 4-15-19

STREET LIGHTING DESIGNED BY: CITY OF MADISON

WISCONSIN — BRIAN J. SMITH — E-37284 — MADISON WI — 4-15-19 — PROFESSIONAL ENGINEER

STORM SEWER DESIGNED BY: STRAND ASSOCIATES, INC.

WISCONSIN — JUSTIN J GUTOSKI — E-43032 — MADISON WI — PROFESSIONAL ENGINEER — 4-15-19

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

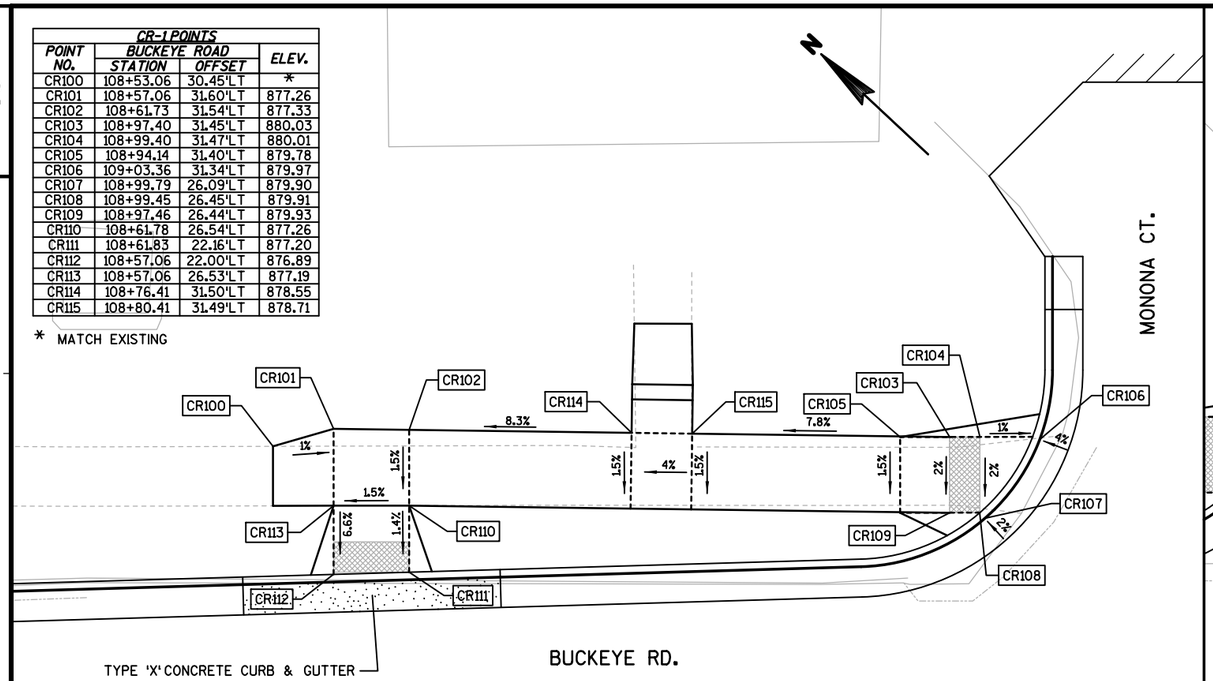
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\10228\Streets\Design\10228EN-TitleSht.dgn

DATE: 4/12/2019

CR-1 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR100	108+53.06	30.45'LT	*
CR101	108+57.06	31.60'LT	877.26
CR102	108+61.73	31.54'LT	877.33
CR103	108+97.40	31.45'LT	880.03
CR104	108+99.40	31.47'LT	880.01
CR105	108+94.14	31.40'LT	879.78
CR106	109+03.36	31.34'LT	879.97
CR107	108+99.79	26.09'LT	879.90
CR108	108+99.45	26.45'LT	879.91
CR109	108+97.46	26.44'LT	879.93
CR110	108+61.78	26.54'LT	877.26
CR111	108+61.83	22.16'LT	877.20
CR112	108+57.06	22.00'LT	876.89
CR113	108+57.06	26.53'LT	877.19
CR114	108+76.41	31.50'LT	878.55
CR115	108+80.41	31.49'LT	878.71

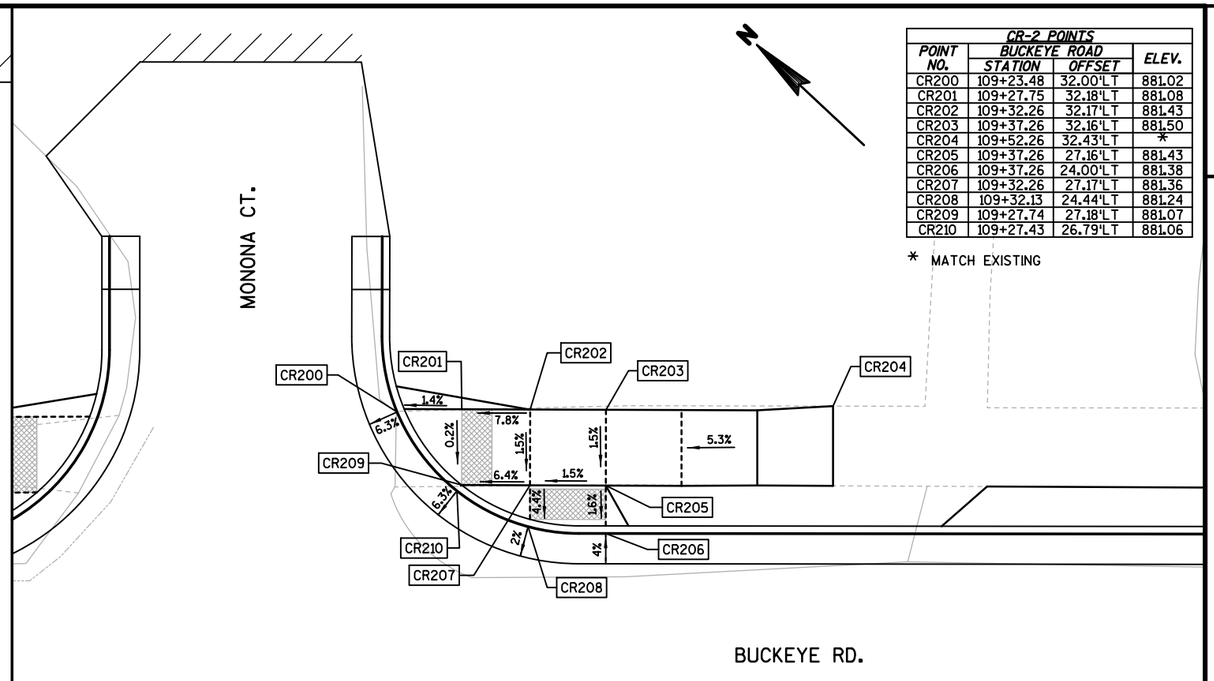
* MATCH EXISTING



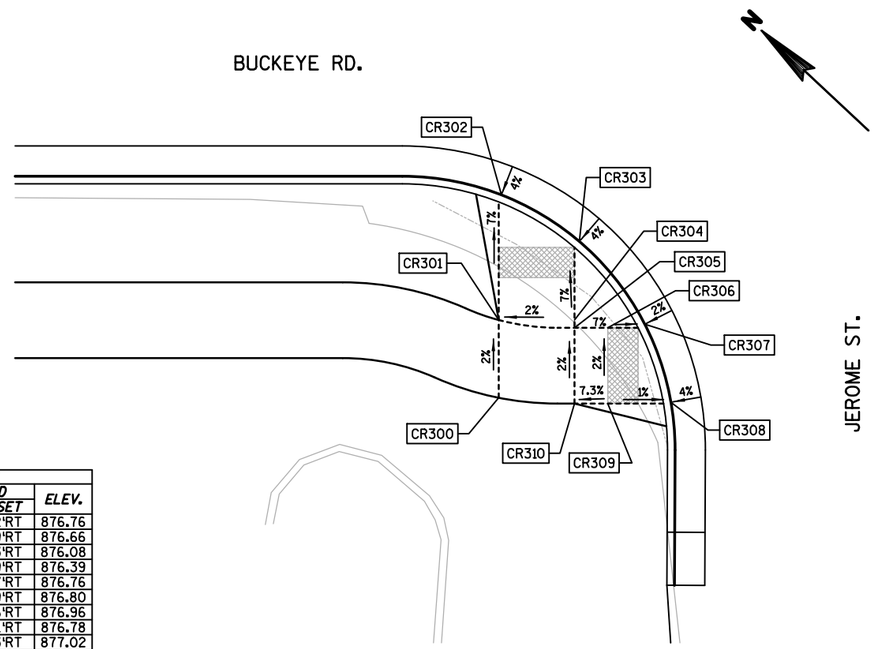
CR-1

CR-2 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR200	109+23.48	32.00'LT	881.02
CR201	109+27.75	32.18'LT	881.08
CR202	109+32.26	32.17'LT	881.43
CR203	109+37.26	32.16'LT	881.50
CR204	109+52.26	32.43'LT	*
CR205	109+37.26	27.16'LT	881.43
CR206	109+37.26	24.00'LT	881.38
CR207	109+32.26	27.17'LT	881.36
CR208	109+32.13	24.44'LT	881.24
CR209	109+27.74	27.18'LT	881.07
CR210	109+27.43	26.79'LT	881.06

* MATCH EXISTING

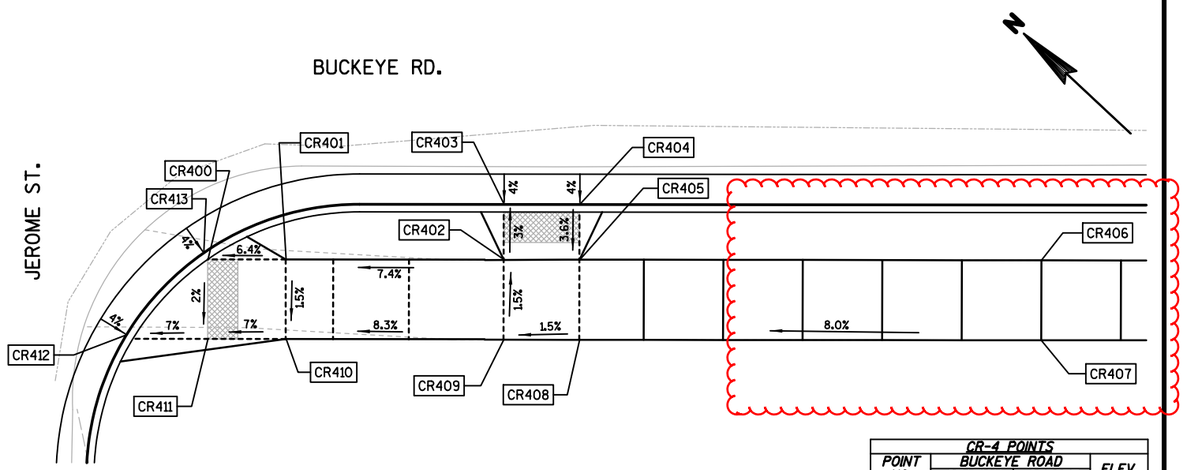


CR-2



CR-3 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR300	108+57.06	35.12'RT	876.76
CR301	108+57.06	29.99'RT	876.66
CR302	108+57.24	21.73'RT	876.08
CR303	108+62.63	24.79'RT	876.39
CR304	108+62.36	29.97'RT	876.76
CR305	108+62.37	30.49'RT	876.80
CR306	108+64.57	30.46'RT	876.96
CR307	108+67.01	30.21'RT	876.78
CR308	108+68.79	35.33'RT	877.02
CR309	108+64.62	35.46'RT	877.06
CR310	108+62.42	35.49'RT	876.90

CR-3



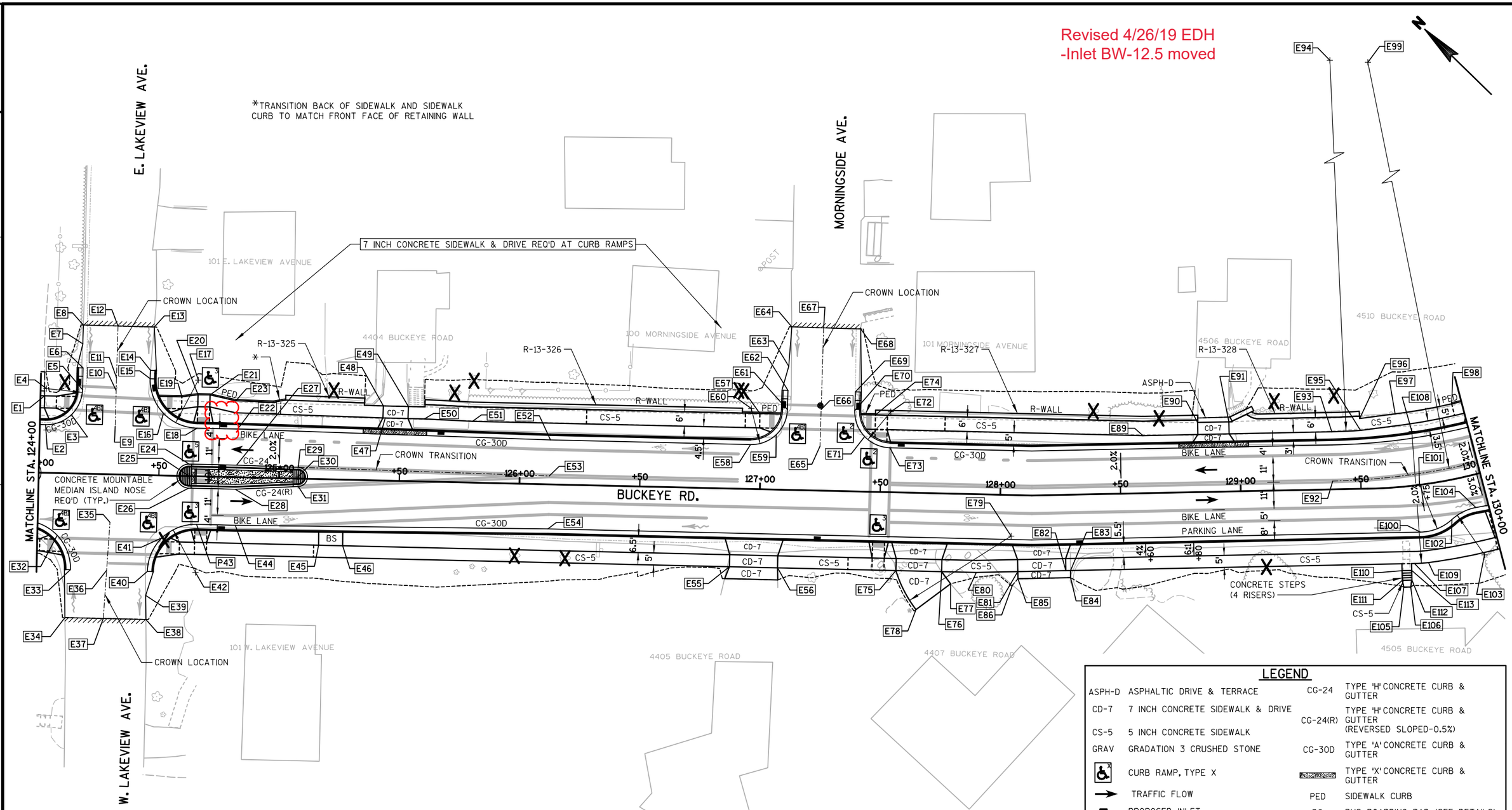
Revised 4/26/19 EDH
-CR406 and CR407
Revised

CR-4 POINTS			
POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.
CR400	109+12.97	27.72'RT	879.61
CR401	109+18.12	27.68'RT	879.94
CR402	109+32.26	27.65'RT	881.00
CR403	109+32.26	24.00'RT	880.89
CR404	109+37.26	24.00'RT	881.20
CR405	109+37.26	27.65'RT	881.07
CR406	109+67.76	27.65'RT	883.51
CR407	109+67.76	32.93'RT	883.58
CR408	109+37.26	32.93'RT	881.14
CR409	109+32.26	32.93'RT	881.07
CR410	109+18.16	32.93'RT	879.87
CR411	109+13.02	32.97'RT	879.51
CR412	109+07.65	32.76'RT	879.13
CR413	109+12.68	27.32'RT	879.58

CR-4

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS	SHEET CR-2	E

Revised 4/26/19 EDH
-Inlet BW-12.5 moved



LEGEND

ASPH-D	ASPHALTIC DRIVE & TERRACE	CG-24	TYPE 'H' CONCRETE CURB & GUTTER
CD-7	7 INCH CONCRETE SIDEWALK & DRIVE	CG-24(R)	TYPE 'H' CONCRETE CURB & GUTTER (REVERSED SLOPED-0.5%)
CS-5	5 INCH CONCRETE SIDEWALK	CG-30D	TYPE 'A' CONCRETE CURB & GUTTER
GRAV	GRADATION 3 CRUSHED STONE		TYPE 'X' CONCRETE CURB & GUTTER
	CURB RAMP, TYPE X	PED	SIDEWALK CURB
	TRAFFIC FLOW	BS	BUS BOARDING PAD (SEE DETAILS)
	PROPOSED INLET		5 INCH OR 7 INCH CONCRETE SIDEWALK (REPLACEMENT)
	PROPOSED STORM SEWER MANHOLE		TREE REMOVAL (CLEARING AND GRUBBING)
	CURB RAMP DETECTABLE WARNING FIELDS	R-WALL	RETAINING WALL
	SAWCUT ASPHALT PAVEMENT		7 INCH STAMPED & COLORED CONCRETE
XXXXX	SAWCUT CONCRETE FULL DEPTH		SURFACE WATER FLOW
	SLOPE INTERCEPTS		

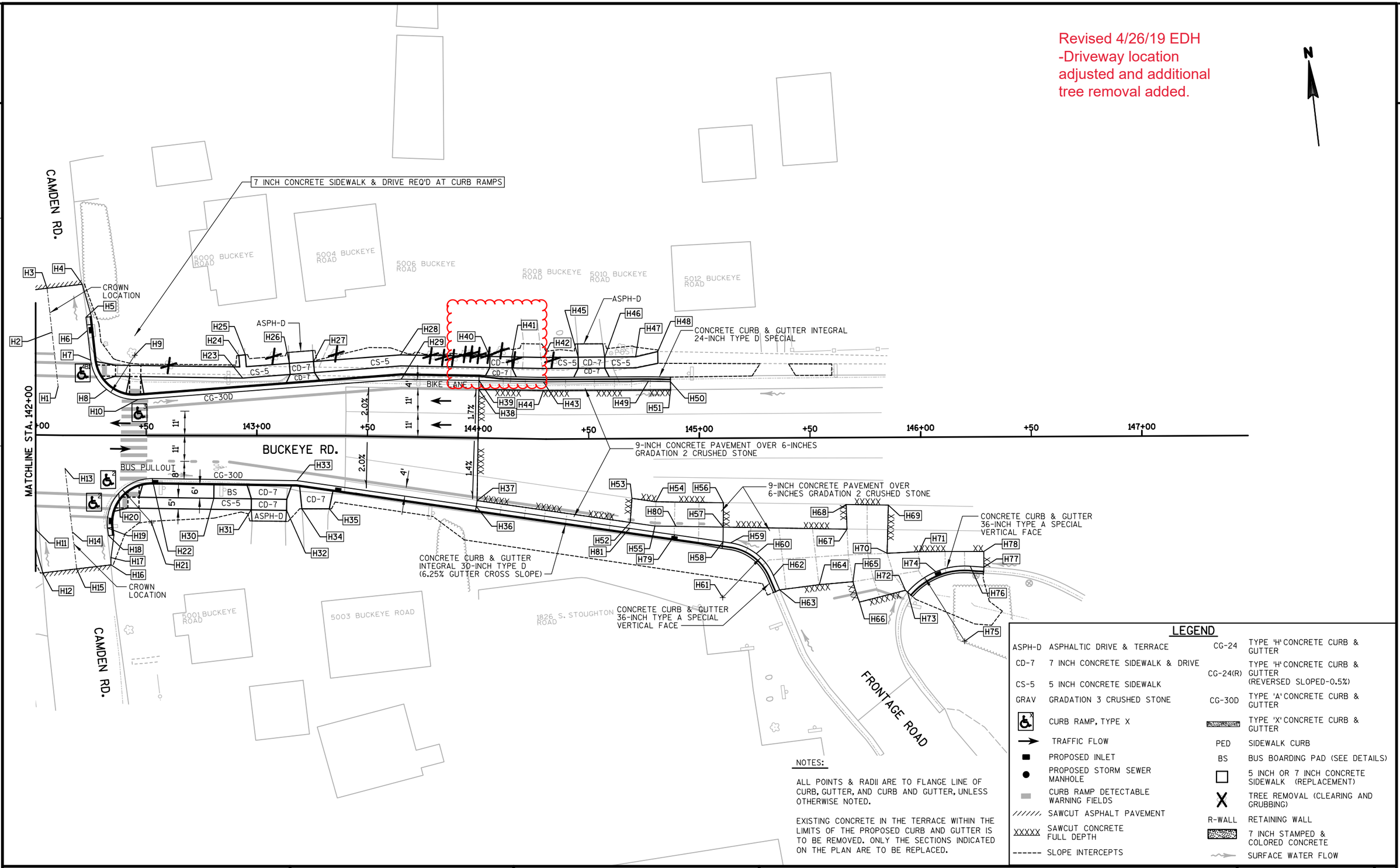
NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PLAN DETAILS	SHEET PD-9	E

Revised 4/26/19 EDH
-Driveway location adjusted and additional tree removal added.



LEGEND

ASPH-D	ASPHALTIC DRIVE & TERRACE	CG-24	TYPE 'H' CONCRETE CURB & GUTTER
CD-7	7 INCH CONCRETE SIDEWALK & DRIVE	CG-24(R)	TYPE 'H' CONCRETE CURB & GUTTER (REVERSED SLOPED-0.5%)
CS-5	5 INCH CONCRETE SIDEWALK	CG-30D	TYPE 'A' CONCRETE CURB & GUTTER
GRAV	GRADATION 3 CRUSHED STONE		TYPE 'X' CONCRETE CURB & GUTTER
	CURB RAMP, TYPE X	PED	SIDEWALK CURB
	TRAFFIC FLOW	BS	BUS BOARDING PAD (SEE DETAILS)
	PROPOSED INLET		5 INCH OR 7 INCH CONCRETE SIDEWALK (REPLACEMENT)
	PROPOSED STORM SEWER MANHOLE	X	TREE REMOVAL (CLEARING AND GRUBBING)
	CURB RAMP DETECTABLE WARNING FIELDS	R-WALL	RETAINING WALL
	SAWCUT ASPHALT PAVEMENT		7 INCH STAMPED & COLORED CONCRETE
XXXXX	SAWCUT CONCRETE FULL DEPTH		SURFACE WATER FLOW
------	SLOPE INTERCEPTS		

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB AND GUTTER, UNLESS OTHERWISE NOTED.

EXISTING CONCRETE IN THE TERRACE WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

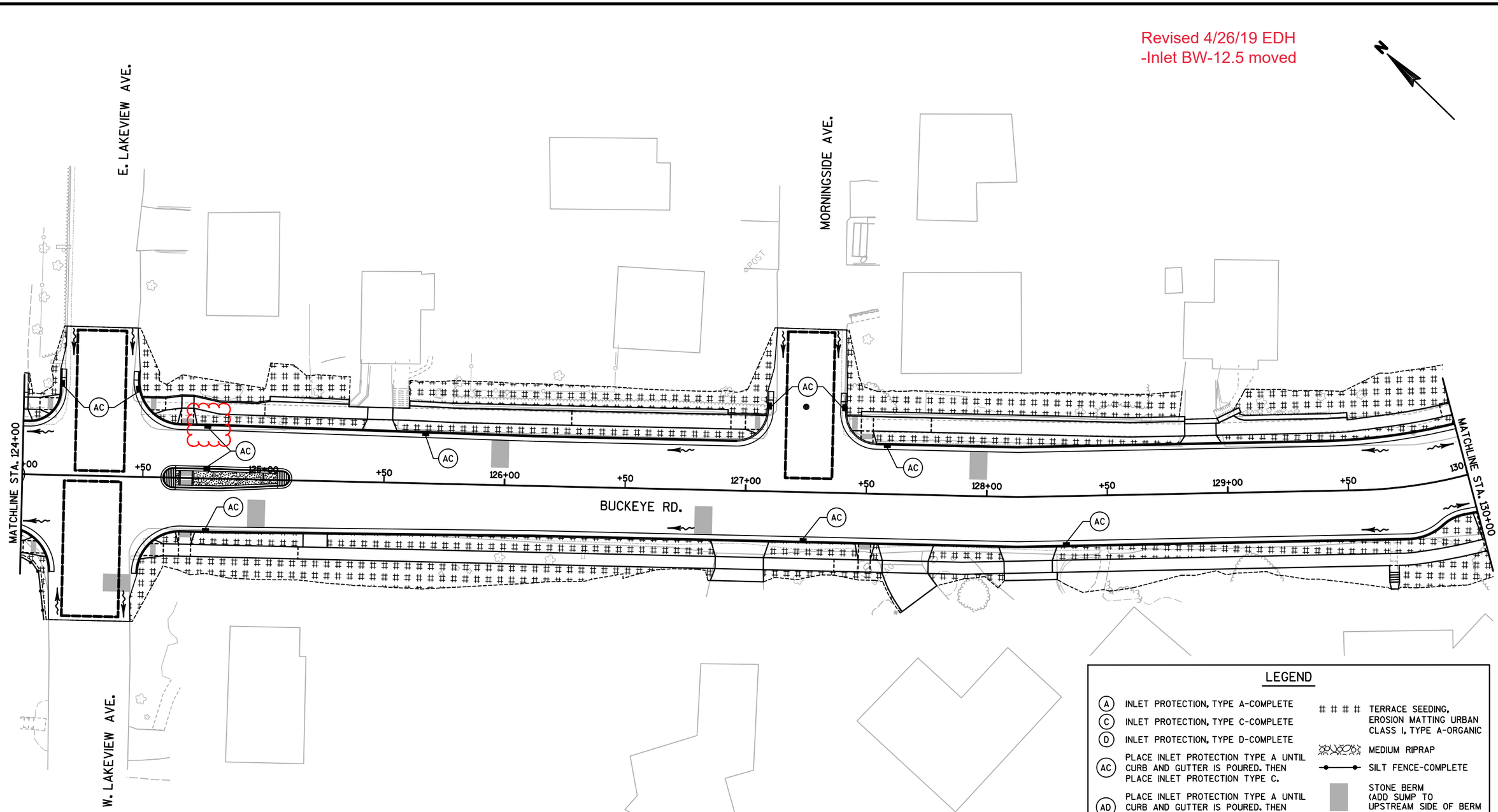
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PLAN DETAILS	SHEET PD-15	E

POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.	Y	X	REMARKS
H1	142+09.89	22.00'LT	902.99	482,460.00	840,510.17	SIDEROAD CL LOCATION
H2	142+06.80	46.51'LT	902.56	482,484.71	840,510.33	SIDEROAD CL LOCATION; GRADE CHANGE
H3	142+04.29	66.35'LT	---	482,504.71	840,510.46	MATCH EXIST.; SIDEROAD CL LOCATION
H4	142+20.97	68.26'LT	---	482,504.60	840,526.45	MATCH EXIST.; EOP
H5	142+22.68	53.35'LT	902.06	482,489.60	840,526.37	EOP; BEGIN CONCRETE CURB & GUTTER
H6	142+23.36	47.39'LT	902.03	482,483.60	840,526.33	EOP; LOW POINT
H7	142+24.89	33.97'LT	902.30	482,470.09	840,526.24	EOP; BEGIN RADIUS
H8	142+32.04	20.80'LT	902.38	482,456.17	840,531.76	EOP; MIDPOINT OF RADIUS
H9	142+44.77	36.24'LT	---	482,469.96	840,546.24	R=20'
H10	142+46.33	16.30'LT	902.22	482,449.98	840,545.41	EOP; END RADIUS
H11	142+01.07	43.09'RT	904.11	482,396.65	840,492.86	EOP; END CONCRETE CURB & GUTTER
H12	142+04.11	62.31'RT	---	482,377.19	840,493.34	MATCH EXIST.; EOP
H13	142+13.35	15.01'RT	903.03	482,422.85	840,508.91	SIDEROAD CL LOCATION
H14	142+16.76	43.73'RT	903.61	482,393.93	840,508.86	SIDEROAD CL LOCATION; GRADE CHANGE
H15	142+18.74	60.38'RT	---	482,377.16	840,508.82	MATCH EXIST.; SIDEROAD CL LOCATION
H16	142+34.21	58.54'RT	---	482,377.13	840,524.40	MATCH EXIST.; EOP
H17	142+34.24	55.25'RT	903.79	482,380.40	840,524.83	EOP
H18	142+33.06	45.32'RT	903.31	482,390.40	840,524.85	EOP; BEGIN CONCRETE CURB & GUTTER
H19	142+32.65	41.84'RT	903.14	482,393.90	840,524.86	EOP; BEGIN RADIUS
H20	142+37.64	26.11'RT	902.60	482,408.92	840,531.69	EOP; MIDPOINT OF RADIUS
H21	142+52.51	39.48'RT	---	482,393.86	840,544.86	R=20'
H22	142+52.75	19.48'RT	902.05	482,413.69	840,547.49	EOP; END RADIUS
H23	142+93.59	26.03'LT	902.04	482,453.98	840,593.49	FOW
H24	142+91.79	36.24'LT	---	482,441.24	840,592.93	MATCH EXIST.
H25	142+94.74	36.56'LT	---	482,464.29	840,595.89	MATCH EXIST.
H26	143+14.62	32.70'LT	901.88	482,458.08	840,615.17	BOW
H27	143+25.59	33.56'LT	901.81	482,457.62	840,626.16	BOW
H28	143+64.33	36.99'LT	901.77	482,455.98	840,665.51	BOW
H29	143+64.83	25.99'LT	901.18	482,445.01	840,664.53	EOP
H30	142+80.61	28.32'RT	902.20	482,401.58	840,574.09	FOW; BEGIN BUS PAD
H31	142+97.55	33.52'RT	901.84	482,394.38	840,590.28	BOW
H32	143+13.54	33.71'RT	901.75	482,392.28	840,606.14	BOW
H33	143+18.16	20.27'RT	901.54	482,405.07	840,612.33	EOP
H34	143+20.43	33.00'RT	---	482,392.16	840,613.06	MATCH EXIST.
H35	143+32.83	33.00'RT	---	482,390.67	840,625.37	MATCH EXIST.
H36	143+99.66	30.89'RT	901.14	482,383.97	840,691.43	EOP
H37	144+00.00	28.25'RT	---	482,386.54	840,692.12	MATCH EXIST.
H38	144+00.00	21.95'LT	---	482,436.30	840,698.84	MATCH EXIST.
H39	144+00.00	25.95'LT	901.22	482,440.26	840,698.38	EOP
H40	144+04.76	36.93'LT	901.62	482,450.55	840,705.57	BOW
H41	144+14.76	36.91'LT	901.60	482,449.15	840,715.47	BOW
H42	144+28.99	36.91'LT	901.57	482,447.25	840,729.57	BOW
H43	144+29.10	25.91'LT	901.62	482,436.33	840,728.21	EOP
H44	144+29.14	21.91'LT	---	482,432.36	840,727.72	MATCH EXIST.
H45	144+45.41	36.95'LT	901.44	482,445.49	840,745.11	BOW
H46	144+57.41	36.95'LT	901.38	482,444.14	840,757.03	BOW
H47	144+71.40	36.96'LT	901.51	482,442.57	840,770.94	BOW
H48	144+81.40	39.32'LT	---	482,443.79	840,781.14	MATCH EXIST.; BOW
H49	144+77.06	25.96'LT	900.81	482,431.01	840,775.32	EOP
H50	144+87.07	25.69'LT	---	482,429.60	840,785.24	MATCH EXIST.
H51	144+87.07	21.97'LT	---	482,425.91	840,784.82	MATCH EXIST.
H52	144+68.55	37.87'RT	---	482,368.54	840,759.67	MATCH EXIST.
H53	144+69.36	26.97'RT	---	482,379.28	840,761.70	MATCH EXIST.
H54	144+80.22	28.61'RT	---	482,376.43	840,772.31	MATCH EXIST.
H55	144+79.69	39.52'RT	900.78	482,365.64	840,770.56	EOP
H56	145+10.73	29.20'RT	---	482,372.40	840,802.56	MATCH EXIST.
H57	145+10.57	40.19'RT	---	482,361.50	840,801.16	MATCH EXIST.
H58	145+10.46	46.81'RT	900.79	482,354.74	840,800.39	EOP

POINT NO.	BUCKEYE ROAD STATION	BUCKEYE ROAD OFFSET	ELEV.	Y	X	REMARKS
H59	145+13.85	47.31'RT	900.82	482,354.05	840,803.62	EOP; BEGIN RADIUS
H60	145+25.45	52.25'RT	900.93	482,347.84	840,814.59	EOP; MIDPOINT OF RADIUS
H61	145+10.17	72.04'RT	---	482,329.90	840,797.17	R=25'
H62	145+33.16	62.23'RT	901.05	482,337.06	840,821.13	EOP; END RADIUS
H63	145+35.92	68.69'RT	---	482,330.33	840,823.14	MATCH EXIST.; EOP
H64	145+53.88	66.43'RT	---	482,330.55	840,841.24	MATCH EXIST.
H65	145+69.10	65.15'RT	---	482,330.11	840,856.50	MATCH EXIST.
H66	145+71.95	74.39'RT	---	482,320.60	840,858.29	MATCH EXIST.
H67	145+66.50	41.39'RT	---	482,354.00	840,856.60	MATCH EXIST.
H68	145+66.16	30.23'RT	---	482,365.14	840,857.52	MATCH EXIST.
H69	145+85.24	30.61'RT	---	482,362.61	840,876.44	MATCH EXIST.
H70	145+84.56	52.39'RT	---	482,341.04	840,873.30	MATCH EXIST.
H71	145+99.09	51.74'RT	---	482,340.05	840,887.82	MATCH EXIST.
H72	145+92.74	69.17'RT	---	482,323.45	840,879.54	MATCH EXIST.
H73	145+93.73	70.03'RT	---	482,322.48	840,880.43	MATCH EXIST.; EOP; BEGIN RADIUS
H74	146+06.54	60.85'RT	901.05	482,330.16	840,894.20	EOP; MIDPOINT OF RADIUS
H75	146+19.41	92.32'RT	---	482,297.44	840,903.43	R=34'
H76	146+22.12	58.43'RT	901.16	482,330.81	840,909.94	EOP; END RADIUS
H77	146+28.29	58.92'RT	---	482,329.63	840,916.02	MATCH EXIST.; EOP
H78	146+28.26	51.79'RT	---	482,336.71	840,916.80	MATCH EXIST.
H79	144+88.68	43.57'RT	900.68	482,363.17	840,781.06	EOP; GRADE CHANGE
H80	144+89.25	39.73'RT	900.76	482,364.36	840,780.03	GRADE CHANGE
H81	144+68.16	40.51'RT	900.79	482,365.96	840,758.98	EOP; GRADE CHANGE

Revised 4/26/19 EDH
-Driveway location
adjusted.

Revised 4/26/19 EDH
-Inlet BW-12.5 moved

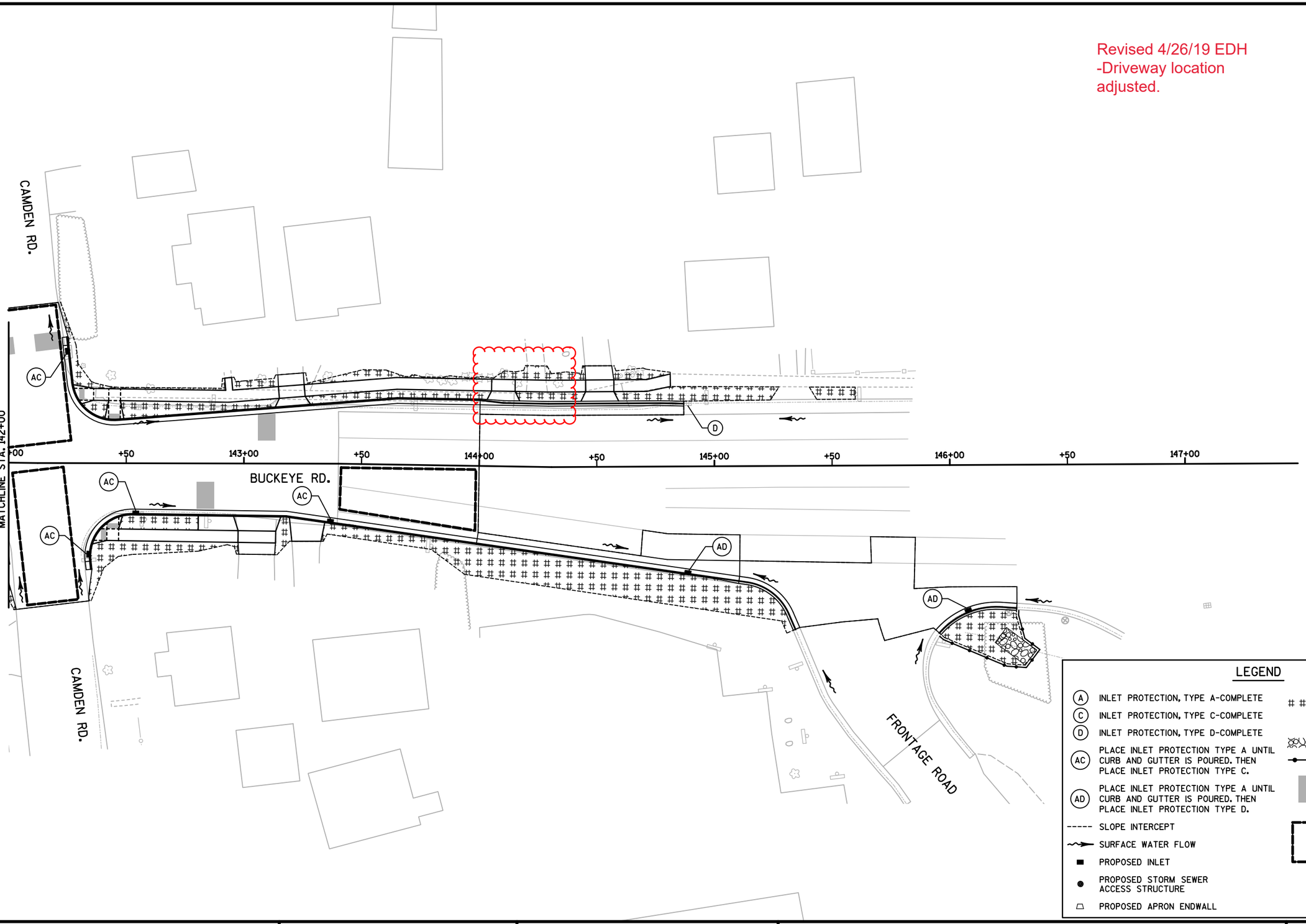


LEGEND

- (A) INLET PROTECTION, TYPE A-COMPLETE
- (C) INLET PROTECTION, TYPE C-COMPLETE
- (D) INLET PROTECTION, TYPE D-COMPLETE
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- ----- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PROPOSED INLET
- PROPOSED STORM SEWER ACCESS STRUCTURE
- PROPOSED APRON ENDWALL
- # # # # TERRACE SEEDING, EROSION MATTING URBAN CLASS I, TYPE A-ORGANIC
- MEDIUM RIPRAP
- SILT FENCE-COMPLETE
- STONE BERM (ADD SUMP TO UPSTREAM SIDE OF BERM
- CONSTRUCTION ENTRANCE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	EROSION CONTROL PLANS	SHEET EC-5	E

Revised 4/26/19 EDH
-Driveway location
adjusted.



LEGEND

- (A) INLET PROTECTION, TYPE A-COMPLETE
- (C) INLET PROTECTION, TYPE C-COMPLETE
- (D) INLET PROTECTION, TYPE D-COMPLETE
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- ----- SLOPE INTERCEPT
- SURFACE WATER FLOW
- PROPOSED INLET
- PROPOSED STORM SEWER ACCESS STRUCTURE
- PROPOSED APRON ENDWALL
- # # # # TERRACE SEEDING, EROSION MATTING URBAN CLASS I, TYPE A-ORGANIC
- MEDIUM RIPRAP
- SILT FENCE-COMPLETE
- STONE BERM (ADD SUMP TO UPSTREAM SIDE OF BERM
- CONSTRUCTION ENTRANCE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	EROSION CONTROL PLANS	SHEET EC-8	E

Revised 4/26/19 EDH
-Driveway location adjusted and additional tree removal added.

STA. 143+20 LT CONSTRUCT P.E.
STA. 144+10 LT CONSTRUCT P.E.
STA. 144+24 LT REMOVE P.E.
STA. 144+50 LT CONSTRUCT P.E.
PROTECT TREE
SLOPE INTERCEPTS (TYP.)
TLE
R/W
MADISON GAS & ELECTRIC (GAS)
CITY OF MADISON (WATER)
CITY OF MADISON (SANITARY SEWER)
CAMDEN RD.
BUCKEYE RD.
MATCHLINE STA. 142+00
BM *1
MADISON GAS & ELECTRIC (ELECTRIC)
AT&T WISCONSIN (COMMUNICATIONS)
TDS METROCOM (COMMUNICATIONS)
WISDOT (ELECTRIC)
END CONSTRUCTION STA. 146+28.26
END PROJECT STA. 144+00.00 MATCH EXISTING
STA. 143+06 RT CONSTRUCT P.E.
STA. 143+27 RT CONSTRUCT P.E.
5000 BUCKEYE ROAD
5001 BUCKEYE ROAD
5003 BUCKEYE ROAD
5004 BUCKEYE ROAD
5006 BUCKEYE ROAD
5008 BUCKEYE ROAD
5010 BUCKEYE ROAD
5012 BUCKEYE ROAD
1826 S. STOUGHTON ROAD

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1	142+35, 32' RT	TOP NUT OF EXISTING HYDRANT CAMDEN & BUCKEYE SE QUAD	907.02

K = 28
L = 125'
VPT 142+82.50
EL 902.13
VPI 144+00.00
EL 901.52
VPI 142+20.00
EL 902.45
-4.93%
-0.52%
PROPOSED PROFILE
EXISTING GROUND PROFILE

915 910 905 900 895 890 885 880

903.64 903.75 902.46 902.48 901.98 902.03 901.68 901.78 901.52 901.52 901.32 901.28 901.50

142+00 143+00 144+00 145+00 146+00 147+00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET PLAN & PROFILES	SHEET P-8	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022308_pp.dgn PLOT DATE : 4/26/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 30

Revised 4/26/19 EDH
-Additional tree removal added which eliminated a location of root cutting.

3

3

ROOT CUTTING

STATION	LOCATION	10801 ROOT CUTTING - CURB & GUTTER LF	10802 ROOT CUTTING - SIDEWALK LF
105+07	RT	---	15
105+79	LT	15	15
106+12	LT	15	15
123+56	LT	---	15
127+25	RT	---	15
UNDISTRIBUTED	---	30	30
	TOTALS	60	105

FIELD OFFICE

PROJECT	10901 EACH
10228	1

SAWING

STATION - STATION	LOCATION	20303 SAWCUT ASPHALT PAVEMENT LF	20301 SAWCUT CONCRETE PAVEMENT, FULL DEPTH LF
100+91 - 109+50	RT/LT	130	---
109+50 - 116+00	RT/LT	35	---
116+00 - 123+00	RT/LT	31	---
123+00 - 131+00	RT/LT	120	---
131+00 - 138+00	RT/LT	94	---
138+00 - 146+28	RT/LT	125	495
UNDISTRIBUTED	---	100	50
TOTALS		635	545

REMOVE CONCRETE PAVEMENT

STATION - STATION	LOCATION	20321 SY
116+00 - 123+00	LT/RT	8
138+00 - 146+28	LT/RT	780
	TOTAL	788

REMOVE CONCRETE CURB & GUTTER

STATION - STATION	LOCATION	20322 LF
100+94 - 101+75	LT	45
102+04 - 104+65	RT	180
135+72	RT	8
136+00 - 136+01	RT	7
144+00 - 144+87	LT	85
	TOTAL	325

REMOVE CONCRETE SIDEWALK & DRIVE

STATION - STATION	LOCATION	20323 SF
100+91 - 109+50	LT/RT	2,600
109+50 - 116+00	LT/RT	4,310
116+00 - 123+00	LT/RT	3,670
123+00 - 131+00	LT/RT	4,020
131+00 - 138+00	LT/RT	2,050
138+00 - 146+28	LT/RT	2,140
		18,790
UNDISTRIBUTED		940
	TOTAL	19,730

REMOVE GUARD RAIL

STATION - STATION	LOCATION	20325 LF
130+57 - 130+89	RT	70

REMOVE FENCE

STATION - STATION	LOCATION	20326 LF
107+14 - 107+18	RT	8
115+63 - 115+80	LT	15
125+19	LT	8
125+85 - 126+45	LT	65
129+43 - 131+15	LT	75
132+24 - 132+64	RT	45
	TOTAL	216

CLEARING AND GRUBBING

STATION	LOCATION	20401 CLEARING ID	20406 GRUBBING ID
108+85	LT	3	3
124+10	LT	20	20
124+53	RT	18	18
125+16	LT	---	32
125+22	LT	33	33
125+72	LT	40	40
125+80	LT	10	10
125+88	LT	---	14
125+99	RT	24	24
126+01	LT	---	17
126+20	RT	3	3
126+91	LT	27	27
126+92	LT	24	24
128+39	LT	42	42
128+67	LT	36	36
129+10	RT	12	12
129+15	LT	6	6
129+39	LT	12	12
130+26	LT	30	30
138+40	LT	4	4
139+24	RT	24	24
142+60	LT	30	30
143+07	LT	16	16
143+36	LT	16	16
143+78	LT	16	16
143+84	LT	16	16
143+88	LT	16	16
143+93	LT	3	3
143+96	LT	3	3
144+00	LT	3	3
144+04	LT	3	3
144+10	LT	36	36
144+16	LT	24	24
144+34	LT	24	24
144+65	LT	36	36
TOTALS		610	673

CURB & GUTTER

STATION - STATION	LOCATION	30206 TYPE 'G' CONCRETE CURB & GUTTER LF	90007 CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D LF	90010 SIDEWALK CURB LF	30207 TYPE 'H' CONCRETE CURB & GUTTER LF	30201 TYPE 'A' CONCRETE CURB & GUTTER LF	30203 TYPE 'X' CONCRETE CURB & GUTTER LF	90008 CONCRETE CURB & GUTTER INTEGRAL 24-INCH TYPE D SPECIAL LF	90009 CONCRETE CURB & GUTTER 36-INCH TYPE A SPECIAL VERTICAL FACE LF	30208 HAND FORMED CONCRETE CURB & GUTTER (TREE LOCATIONS) LF
100+91 - 109+50	RT/LT	47	---	22	---	1,190	160	---	---	12
109+50 - 116+00	RT/LT	---	---	15	---	1,100	210	---	---	---
116+00 - 123+00	RT/LT	---	---	---	---	1,190	190	---	---	---
123+00 - 131+00	RT/LT	---	---	115	170	1,480	100	---	---	---
131+00 - 138+00	RT/LT	---	---	---	---	1,250	150	---	---	---
138+00 - 146+28	RT/LT	---	115	180	160	910	265	87	70	---
UNDISTRIBUTED		---	---	---	---	---	---	---	---	12
TOTALS		47	115	332	330	7,120	1,075	87	70	24

CONCRETE SIDEWALK & DRIVEWAYS

STATION - STATION	LOCATION	30301 5 INCH CONCRETE SIDEWALK SF	30302 7 INCH CONCRETE SIDEWALK & DRIVE SF	90005 7 INCH STAMPED & COLORED CONCRETE SF
100+91 - 109+50	RT/LT	4,150	2,150	---
109+50 - 116+00	RT/LT	5,450	1,000	---
116+00 - 123+00	RT/LT	3,800	1,400	---
123+00 - 131+00	RT/LT	7,000	2,450	392
131+00 - 138+00	RT/LT	4,550	2,650	---
138+00 - 146+28	RT/LT	3,800	2,060	364
TOTALS		28,750	11,710	756

Revised 4/26/19 EDH
-Driveway location adjusted and additional tree removal added.

CONCRETE MOUNTABLE MEDIAN ISLAND NOSE

STATION	OFFSET	30311 SF
123+50	MEDIAN	41
123+98	MEDIAN	49
124+61	MEDIAN	49
125+08	MEDIAN	41
138+16	MEDIAN	41
138+64	MEDIAN	49
139+30	MEDIAN	49
139+72	MEDIAN	41
	TOTAL	360

CONCRETE STEPS SUMMARY

STATION	LOCATION	90006 RAILING PIPE LF	30313 CONCRETE STEPS SF
108+78	LT	---	8
129+66	RT	6	15
TOTALS		6	23

Revised 4/26/19 EDH
-Water main revised

RECONNECT SANITARY LATERAL 6-IN, SANITARY LATERAL ELECTRONIC MARKERS (TYP.)

SAS-06 4' DIA., COVER TYPE MAD STA. 108+78/0.0'RT

PROPOSED WATER MAIN (TYP.)

MONONA CT

MATCHLINE STA. 106+00

MATCHLINE STA. 112+00

BUCKEYE RD.

EX. 8" VP SAN.

REMOVE EXISTING SANITARY SEWER STRUCTURE 6348-003

SAS-05 4' DIA., COVER TYPE MAD STA. 106+69/9.0'RT

REMOVE EXISTING SANITARY SEWER STRUCTURE 6348-001

JEROME ST.

PROPOSED STORM SEWER (TYP.)

ABANDON EXISTING SANITARY SEWER. SLURRY BACKFILL WITHIN PROPOSED PAVEMENT LIMITS (TYP.)

SAS-07 4' DIA., COVER TYPE MAD STA. 111+78/0.0'RT

4112 BUCKEYE ROAD
4114 BUCKEYE ROAD
4116 BUCKEYE ROAD
4118 BUCKEYE ROAD
4200 BUCKEYE ROAD
4201 BUCKEYE ROAD
4111 BUCKEYE ROAD
4113 BUCKEYE ROAD
4115 BUCKEYE ROAD

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

APPROXIMATE TOP OF EXISTING WATER MAIN

PROPOSED GROUND PROFILE

TOP OF PROPOSED WATER MAIN

EXISTING GROUND PROFILE

REM. EX. SAS 6348-001
RIM 876.86

SAS-06
RIM 877.85

SAS-07
RIM 889.76

SAS-05
RIM 865.47

REM. EX. SAS 6348-003
RIM 864.35

ABAN. EX. 8" VP SAN

205 LF - 8" PVC @ 2.17%

209 LF - 8" PVC @ 5.47%

300 LF - 8" PVC @ 3.64%

IE 8" SE 856.57
IE 8" NW 856.47

IE 8" SW 868.20
IE 8" SE 868.10
IE 8" NW 868.00

IE 8" SE 879.12
IE 8" NW 879.02

IE 8" SE 855.95
IE 8" NW 855.93

IE 8" NW 868.98
IE 6" NE 869.58
IE 8" SE 868.94
IE 8" SW 868.92

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

FLOW LINE OF PROPOSED SANITARY SEWER

FLOW LINE OF PROPOSED STORM SEWER

890
885
880
875
870
865
860
855

106+00
107+00
108+00
109+00
110+00
111+00
112+00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-2	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022420_up.dgn
PLOT DATE : 4/26/2019
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

Revised 4/26/19 EDH
-Water main and storm sewer revised

DAVIES ST.

BUCKEYE RD.

MATCHLINE STA. 112+00

MATCHLINE STA. 118+00

RECONNECT SANITARY LATERAL 6-IN, SANITARY ELECTROINC MARKERS (TYP.)

SAS-08 4'DIA., COVER TYP MAD
STA. 114+78/0.0'RT

PROPOSED WATER MAIN (TYP.)

SAS-11 4'DIA., COVER TYP MAD
STA. 116+04/0.0'RT

SAS-9 4'DIA., COVER TYP MAD
STA. 117+94/30.0'LT
RIM = 885.33
IE 10" SW = 870.98
IE 8" NE = 870.96
29 LF - 10" PVC @ 0.28%

SAS-10 4'DIA., COVER TYP MAD
STA. 117+94/0.0'RT

REMOVE EXISTING SANITARY SEWER STRUCTURE 6448-008

REMOVE EXISTING SANITARY SEWER STRUCTURE 6448-007

REMOVE EXISTING SANITARY SEWER STRUCTURE 6448-011

PROPOSED STORM SEWER (TYP.)

REMOVE EXISTING SANITARY SEWER STRUCTURE 6449-012

ABANDON EXISTING SANITARY SEWER. SLURRY BACKFILL WITHIN PROPOSED PAVEMENT LIMITS (TYP.)

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

4201 BUCKEYE ROAD

REM. EX SAS 6448-008
RIM 889.62
IE 8" NW 880.47
IE 8" SE 880.54

REM. EX SAS 6448-007
RIM 888.86
IE 8" SE 881.37
IE 8" NW 881.41

REM. EX SAS 6448-011
RIM 887.76
IE 8" SE 878.30

REM. EX SAS 6449-012
RIM 885.50
IE 8" NW 875.80
IE 8" NE 871.06
IE 10" SE 871.08

EXISTING GROUND PROFILE

APPROXIMATE TOP OF EXISTING WATER MAIN

PROPOSED GROUND PROFILE

SAS-08
RIM 888.96

SAS-11
RIM 888.18

SAS-10
RIM 885.26

INSTALL INTERNAL CHIMNEY SEAL

300 LF - 8" PVC @ 0.50%

190 LF - 8" PVC @ 1.50%

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

FLOW LINE OF PROPOSED SANITARY SEWER

IE 8" NW 880.62

IE 8" SE 878.00

FLOW LINE OF PROPOSED STORM SEWER

IE 8" NW 875.15 (DROP)
IE 8" NW 871.48
IE 10" NE 871.06
IE 10" SE 871.08

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-3	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022421_up.dgn PLOT DATE : 4/26/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

Revised 4/26/19 EDH
-Water main revised

RECONNECT SANITARY LATERAL
6-IN, SANITARY LATERAL
ELECTRONIC MARKERS (TYP.)

PROPOSED WATER
MAIN (TYP.)

WATER SERVICE?

MATCHLINE STA. 118+00

MATCHLINE STA. 124+00

BUCKEYE RD.

PROPOSED STORM SEWER (TYP.)

ABANDON EXISTING SANITARY
SEWER. SLURRY BACKFILL WITHIN
PROPOSED PAVEMENT LIMITS (TYP.)

SAS-12 4' DIA., COVER TYP MAR
STA. 120+61/0.0'RT
SANITARY SEWER INTERNAL
CHIMNEY SEAL

REMOVE EXISTING SANITARY SEWER
STRUCTURE 6449-011

SAS-23

SAS-24

QUAKER CIR.

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

*NOTE: PIPE SHALL CONFORM TO ASTM D3034 SDR-26 SEWER MAIN AND LATERAL

REM. EX SAS 6449-011
RIM 884.90

INSTALL INTERNAL
CHIMNEY SEAL

SAS-12
RIM 884.28

PROPOSED GROUND PROFILE

EXISTING GROUND PROFILE

APPROXIMATE TOP OF
EXISTING WATER MAIN

TOP OF PROPOSED
WATER MAIN

FLOW LINE OF
PROPOSED STORM
SEWER

ABAN. EX. 8" VP SAN

*266 LF - 10" PVC @ 0.29%

378 LF - 8" PVC @ 4.11%

FLOW LINE OF PROPOSED
SANITARY SEWER

APPROXIMATE FLOW LINE OF
EXISTING SANITARY SEWER

APPROXIMATE
APPARENT BEDROCK

IE 8" NW 871.90
IE 8" SW 872.02
IE 8" SE 875.91
IE 10" NW 871.85
IE 8" SE 873.00
IE 8" SW 871.90

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-4	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022422_up.dgn
PLOT DATE : 4/26/2019
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

Revised 4/26/19 EDH
-Storm Sewer revised

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).
3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

E. LAKEVIEW AVE.
W. LAKEVIEW AVE.
MORNINGSIDE AVE.
BUCKEYE RD.
MATCHLINE STA. 124+00
MATCHLINE STA. 130+00
101 E. LAKEVIEW AVENUE
101 W. LAKEVIEW AVENUE
100 MORNINGSIDE AVENUE
101 MORNINGSIDE AVENUE
4404 BUCKEYE ROAD
4405 BUCKEYE ROAD
4407 BUCKEYE ROAD
4503 BUCKEYE ROAD
4505 BUCKEYE ROAD
4506 BUCKEYE RO

SAS 25
SAS 13 4' DIA., COVER TYPE MAD
STA. 124+38/9.0'RT
SAS 26
PROPOSED WATER MAIN (TYP.)
SAS 15 4' DIA., COVER TYPE MAD
STA. 128+79/9.0'RT
REMOVE EXISTING SANITARY SEWER STRUCTURE 6449-005
PROPOSED STORM SEWER (TYP.)
ABANDON EXISTING SANITARY SEWER. SLURRY BACKFILL WITHIN PROPOSED PAVEMENT LIMITS (TYP.)
SAS 14 4' DIA., COVER TYPE MAD
STA. 127+17/9.0'RT
REMOVE EXISTING SANITARY SEWER STRUCUTRE 6449-006
REMOVE EXISTING SANITARY SEWER STRUCTURE 6450-013
RECONNECT SANITARY LATERAL 6-IN, SANITARY LATERAL ELECTROINC MARKERS (TYP.)

APPROXIMATE APPARENT BEDROCK
PROPOSED GROUND PROFILE
EXISTING GROUND PROFILE
APPROXIMATE TOP OF EXISTING WATER MAIN
APPROXIMATE POINT OF REFUSAL
FLOW LINE OF PROPOSED SANITARY SEWER
FLOW LINE OF PROPOSED STORM SEWER
REM. EX. SAS 6449-005 RIM 900.82
SAS-13 RIM 901.14
279 LF - 8" PVC @ 8.89%
IE 8" SE 892.84 (DROP)
IE 8" NW 889.31
IE 8" NE 889.92
IE 8" NW 888.54
IE 8" NE 888.64
IE 8" SE 890.25
REM. EX. SAS 6449-006 RIM 923.79
SAS-14 RIM 923.44
162 LF - 8" PVC @ 5.70%
IE 8" SE 915.16
IE 8" NW 915.06
IE 8" NE 915.16
INSULATION AT STORM SEWER AND WATER MAIN CROSSING (TYP.)
REM. EX. SAS 6450-013 RIM 932.44
SAS-15 RIM 931.96
IE 8" NW 924.39
IE 8" NW 924.54
IE 8" SE 924.66
IE 6" SW 924.71
IE 6" NE 924.75
IE 8" NW 915.43
IE 8" NE 916.67
IE 8" SE 919.31

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-5	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022423_up.dgn
PLOT DATE : 4/26/2019
PLOT BY : _username_
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

Revised 4/26/19 EDH
-Driveway location
adjusted.

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

CAMDEN RD.

BUCKEYE RD.

S. STOUGHTON ROAD

S. STOUGHTON SERVICE ROAD

MATCHLINE STA 142+00

SAS 30

SAS 17 4' DIA., COVER TYP MAD STA. 142+10/5.5'RT

REMOVE EXISTING SANITARY SEWER STRUCTURE SAS 6550-001

SAS 28

SAS 29

RECONNECT SANITARY LATERAL 6-IN, SANITARY LATERAL ELECTRONIC MARKERS (TYP.)

ABANDON EXISTING SANITARY SEWER. SLURRY BACKFILL WITHIN PROPOSED PAVEMENT LIMITS (TYP.)

REMOVE EXISTING SANITARY SEWER STRUCTURE 6650-008
SAS 16 4' DIA., COVER TYP MAD
STA. 143+87.10/15.83'RT
SANITARY SEWER INTERNAL CHIMNEY SEAL

PROPOSED STORM SEWER (TYP.)

PROPOSED WATER MAIN (TYP.)

EX 8" VP SAN.

EX 8" PVC SAN.

5000 BUCKEYE ROAD
5001 BUCKEYE ROAD
5003 BUCKEYE ROAD
5004 BUCKEYE ROAD
5006 BUCKEYE ROAD
5008 BUCKEYE ROAD
5010 BUCKEYE ROAD
5012 BUCKEYE ROAD
1826 S. STOUGHTON ROAD

EX. SAN LATERAL ON CAMDEN

142+00 143+00 144+00 145+00 146+00 147+00

920 915 910 905 900 895 890 885 880

REM. EX. SAS 6550-001
RIM 903.41
IE 8" W 897.45 (DROP)
IE 8" S 895.53
IE 8" E 895.36
IE 8" N 895.41

APPROXIMATE TOP OF EXISTING WATER MAIN

TOP OF PROPOSED WATER MAIN

PROPOSED GROUND PROFILE

SAS-17
RIM 903.33
IE 8" W 895.54
IE 8" N 895.38
IE 8" S 895.54
IE 8" E 895.33

177 LF - 8" PVC @ 0.30%

FLOW LINE OF PROPOSED SANITARY SEWER

REM. EX. SAS 6650-008
RIM 901.35
IE 8" W 894.80
IE 8" E 894.70

SAS-16
RIM 901.33
IE 8" W 894.80
IE 8" E 894.70 (TAP)

INSTALL INTERNAL CHIMNEY SEAL

EXISTING GROUND PROFILE

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

EX. SAS 6650-007
RIM 901.23
IE 6" NW 894.21
IE 8" NE 894.11

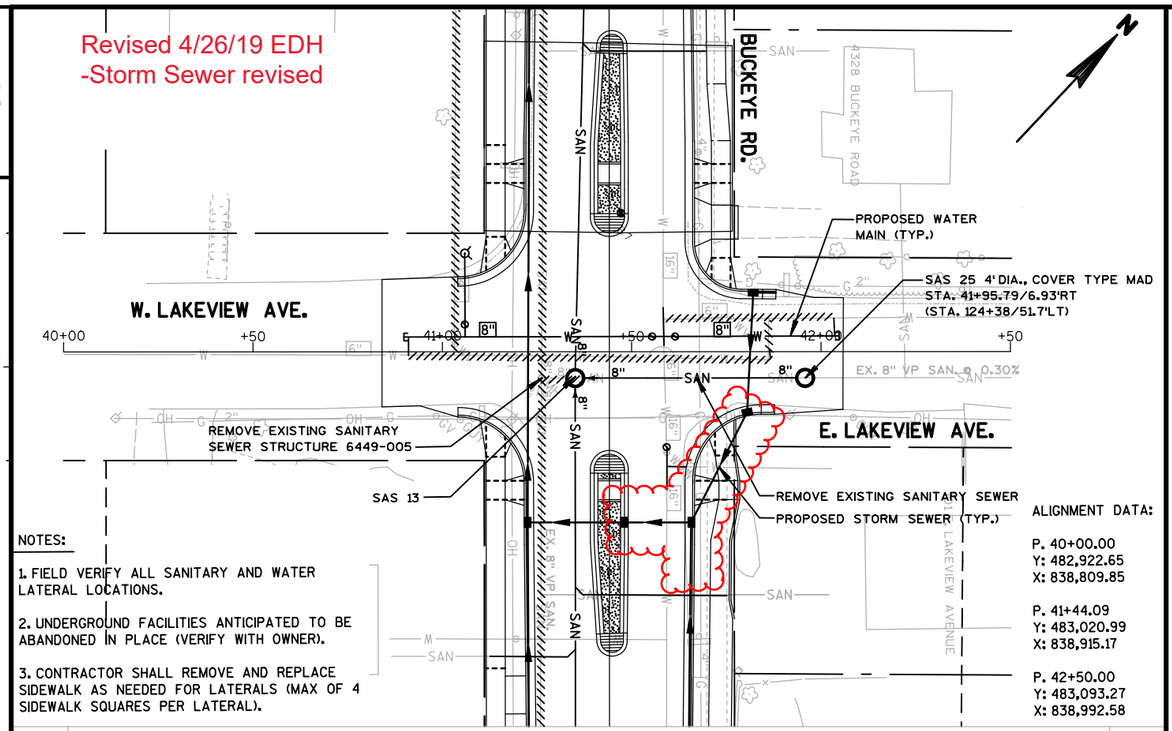
APPROXIMATE FLOW LINE OF EXISTING STORM SEWER

FLOW LINE OF PROPOSED STORM SEWER

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-8	E

Revised 4/26/19 EDH
-Storm Sewer revised

2



ALIGNMENT DATA:

P. 40+00.00
Y: 482,922.65
X: 838,809.85

P. 41+44.09
Y: 483,020.99
X: 838,915.17

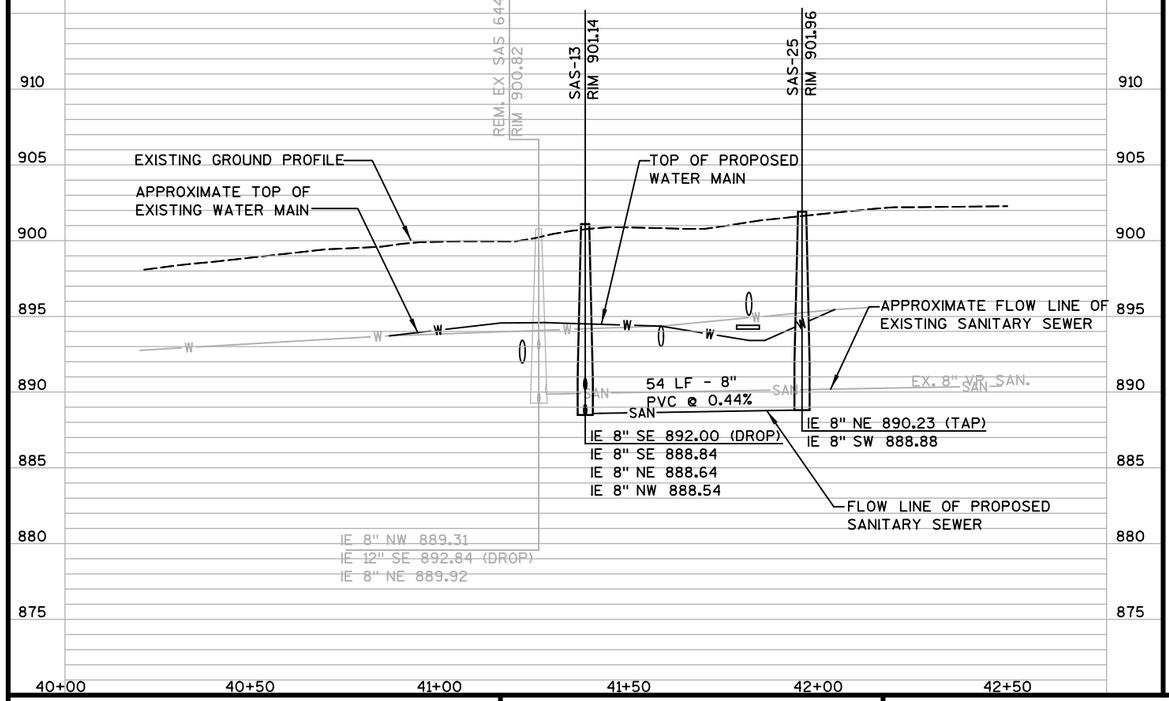
P. 42+50.00
Y: 483,093.27
X: 838,992.58

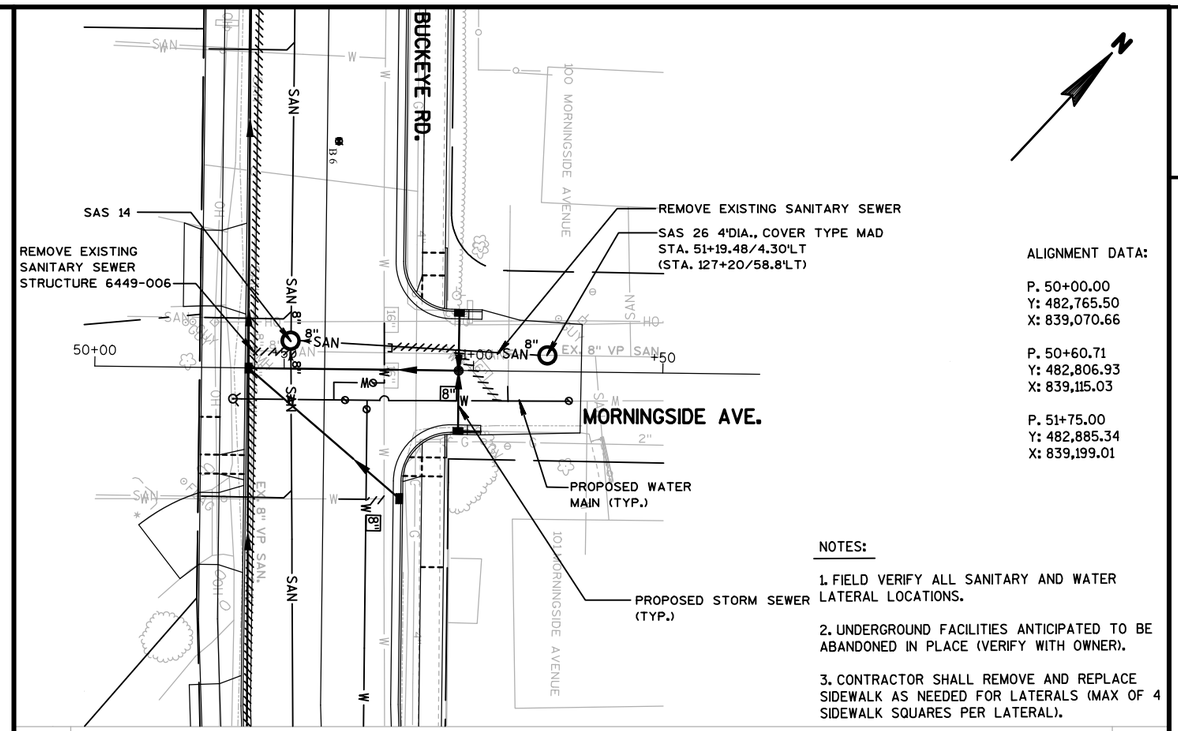
NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).





ALIGNMENT DATA:

P. 50+00.00
Y: 482,765.50
X: 839,070.66

P. 50+60.71
Y: 482,806.93
X: 839,115.03

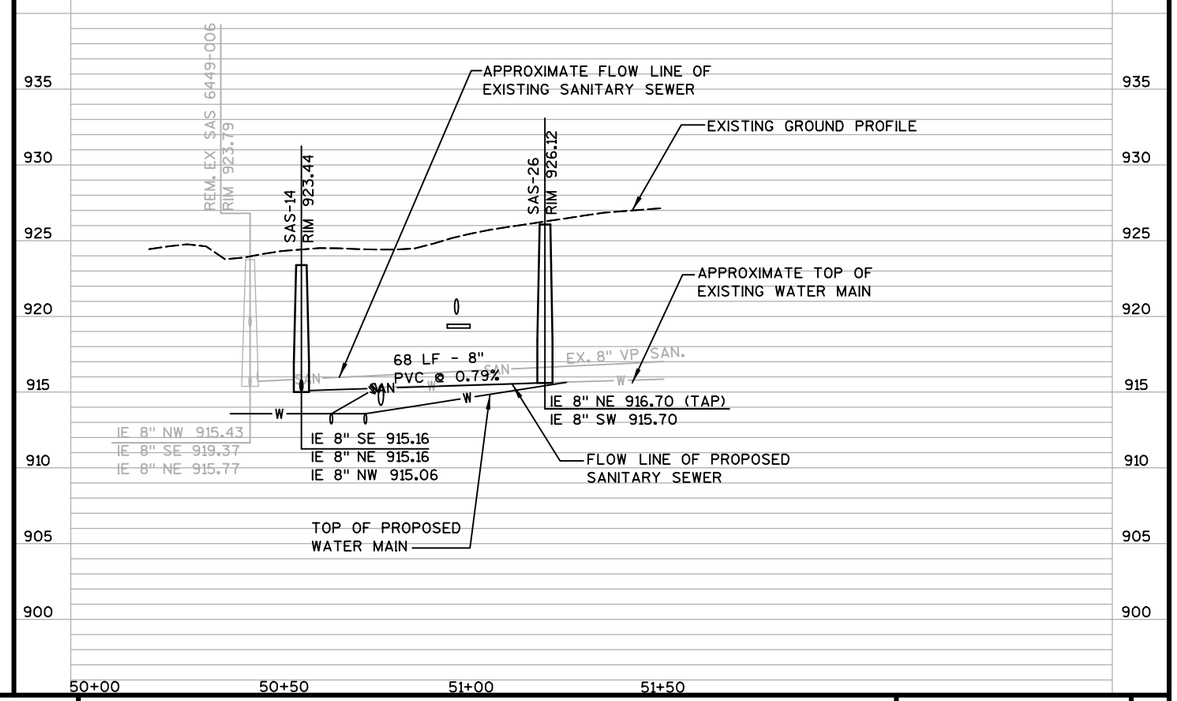
P. 51+75.00
Y: 482,885.34
X: 839,199.01

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	SANITARY SEWER PLAN & PROFILES	SHEET SN-10	E

Revised 4/26/19 EDH
-Water main revised

MONONA CT

BW-5.4
BW-5.3
BW-5.2
BW-5.1
BW-5.7
BW-5.6
BW-5
BW-4.3
BW-4
BW-3.5
BW-5.5
BW-4.1
BW-4.2
BW-6.3

PRIVATE STORM SEWER
RECONNECT, TYPE 2 REQ'D

R/W

MATCHLINE STA. 106+00

106+00 +50 107+00 +50 108+00 +50 109+00 +50 110+00 BUCKEYE RD. +50 111+00 +50 112+00

MATCHLINE STA. 112+00

JEROME ST.

PRIVATE STORM SEWER
RECONNECT, TYPE 2 REQ'D

EXISTING GROUND PROFILE

PROPOSED PROFILE

BW-3.5
865.65
RIM
860.09

169' - 30" RCP
@ 5.95%

BW-4
875.70
RIM
870.14

54' - 30" RCP
@ 5.61%

BW-4.3
879.33
RIM
873.17

BW-5
881.69
RIM
873.93

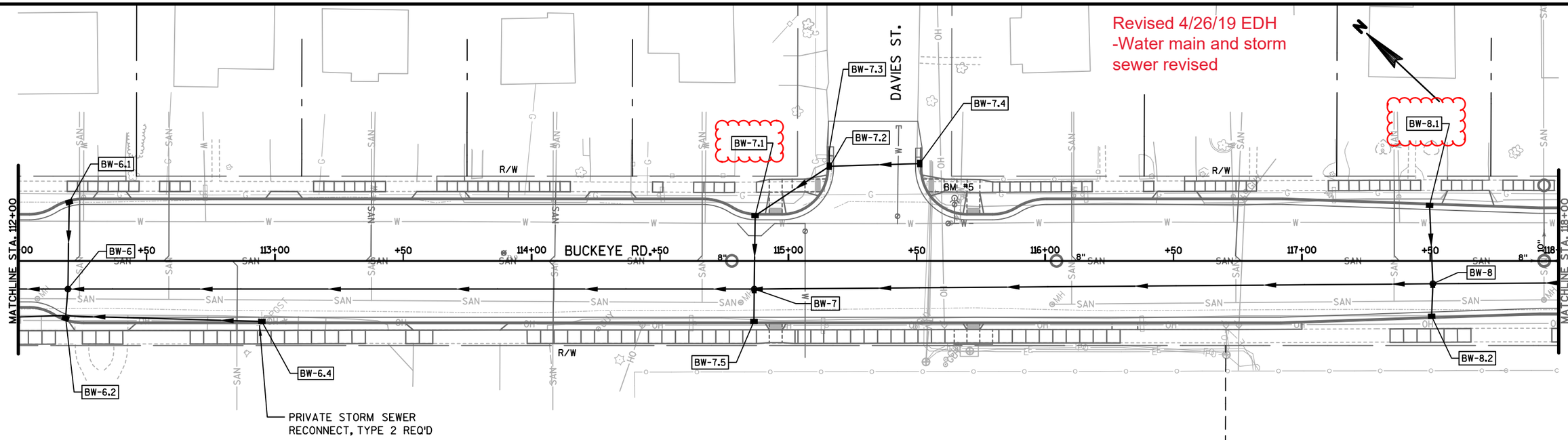
38' - 30" RCP
@ 2.00%

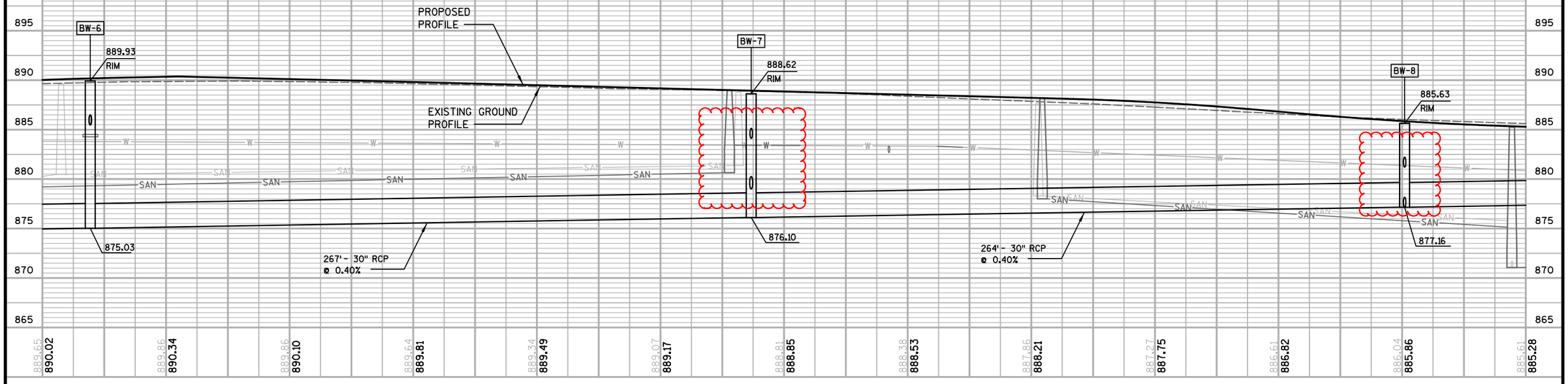
276' - 30" RCP
@ 0.40%

106+00	107+00	108+00	109+00	110+00	111+00	112+00
863.59 863.37	865.28 864.72	867.23 866.96	869.75 869.95	872.56 873.04	875.61 876.13	878.67 879.21	881.66 882.10	884.23 884.56	886.26 886.58	887.90 888.16	889.07 889.31	889.65 890.02

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STORM SEWER PLAN & PROFILES	SHEET ST-2	E

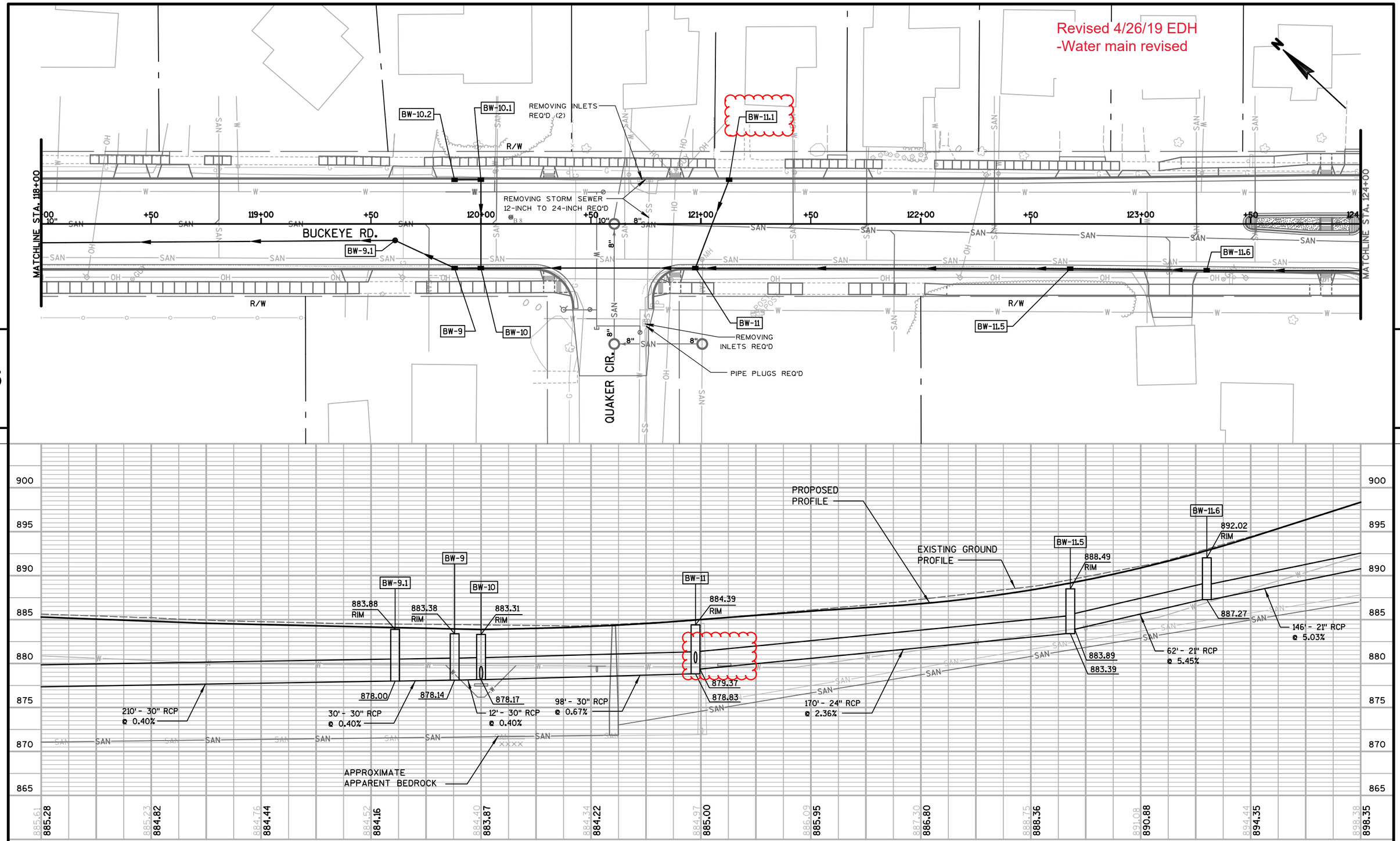
Revised 4/26/19 EDH
-Water main and storm sewer revised





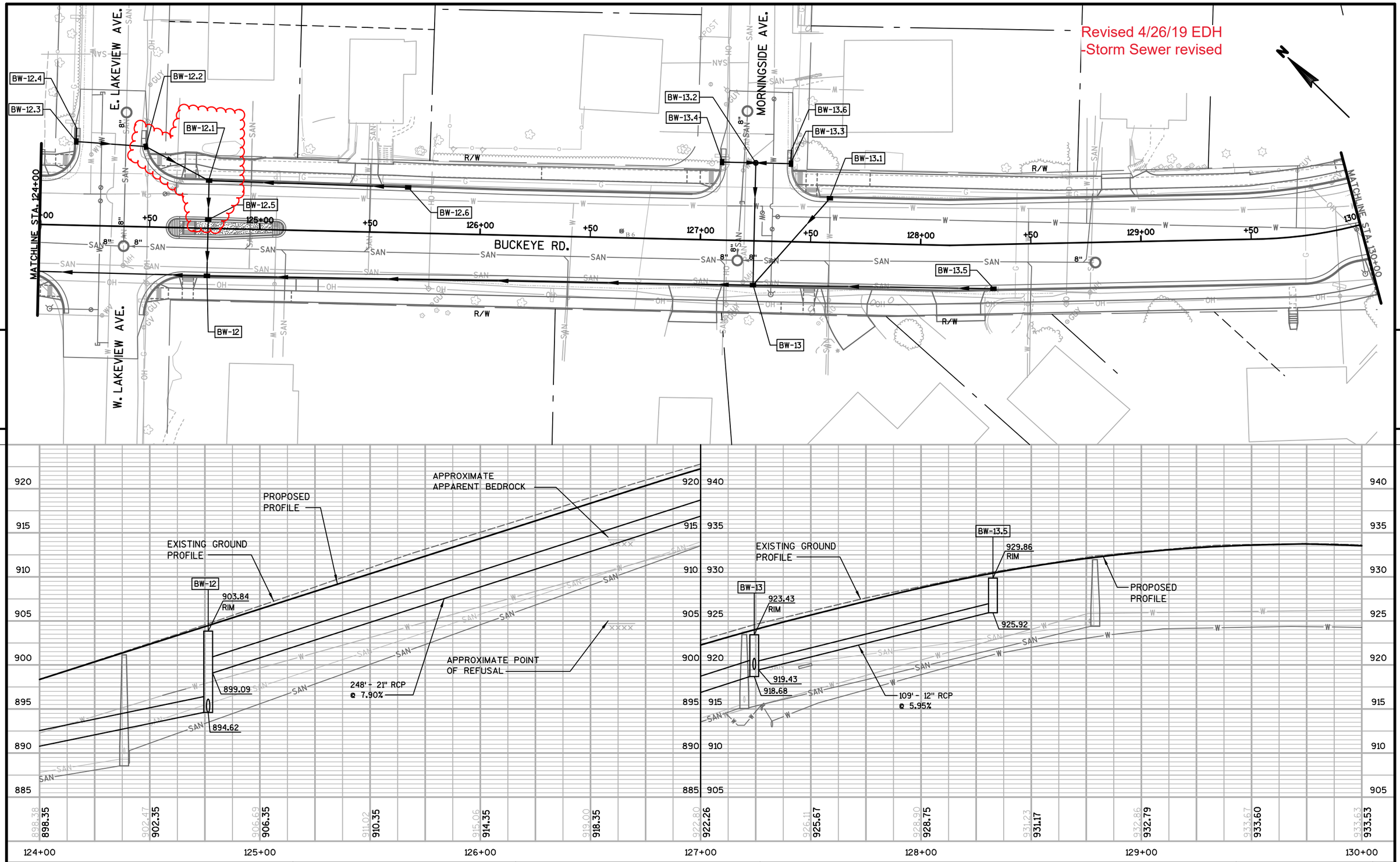
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STORM SEWER PLAN & PROFILES	SHEET ST-3	E

Revised 4/26/19 EDH
-Water main revised



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STORM SEWER PLAN & PROFILES	SHEET ST-4	E

Revised 4/26/19 EDH
-Storm Sewer revised



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STORM SEWER PLAN & PROFILES	SHEET ST-5	E

Revised 4/26/19 EDH
-Driveway location
adjusted.

N

CAMDEN RD.

REMOVING INLETS REQ'D

BE-3.2

REMOVING STORM SEWER 12-INCH TO 24-INCH REQ'D

REMOVING SEWER ACCESS STRUCTURE REQ'D

R/W

PIPE PLUGS REQ'D

REMOVING STORM SEWER 12-INCH TO 24-INCH REQ'D

MATCHLINE STA. 142+00

BUCKEYE RD.

142+00 +50 143+00 +50 144+00 +50 145+00 +50 146+00 +50 147+00

BE-3

BE-2

BE-1

BE-1.5

REMOVING STORM SEWER 12-INCH TO 24-INCH REQ'D

REMOVING INLETS REQ'D

BE-1.4

BE-1.1

BE-1.2

REMOVING STORM SEWER 12-INCH TO 24-INCH REQ'D

BE-3.1

CAMDEN RD.

REMOVING INLETS REQ'D

PROPOSED PROFILE

EXISTING GROUND PROFILE

BE-3 901.90 RIM

BE-2 901.26 RIM

BE-1 900.49 RIM

BE-1.1 900.54 RIM

BE-1.2

897.57

897.07

896.69

895.96

895.56

895.50

83'- 30" RCP @ 0.46%

153'- 29"X45" HERCP @ 0.48%

120'- 29"X45" HERCP @ 0.33%

19'- 29"X45" HERCP @ 0.32%

915 910 905 900 895 890 885 880

903.64 903.75 902.46 902.48 901.98 902.03 901.68 901.78 901.52 901.52 901.32 901.28 901.50

142+00 143+00 144+00 145+00 146+00 147+00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STORM SEWER PLAN & PROFILES	SHEET ST-8	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\022508_ss.dgn PLOT DATE : 4/26/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 30

CONT'D FROM PREVIOUS

Revised 4/26/19 EDH
-Storm Sewer revised

STORM SEWER

					STORM SEWER PIPE REINFORCED CONCRETE - TYPE I							
					50401	50402	50403	50404	50405	50407	50409	50421
DNSTRM. STRUCT.	UPSTRM. STRUCT.	DNSTRM. STRUCT. INLET ELEV.	UPSTRM. STRUCT. DISCHARGE ELEV.	SLOPE	12-INCH LF	15-INCH LF	18-INCH LF	21-INCH LF	24-INCH LF	30-INCH LF	36-INCH LF	HORIZONTAL ELLIPTICAL CLASS HE-III 29X45-INCH LF
BW-1.2	BW-1.4	849.14	849.68	0.73%	---	---	---	---	---	---	74	---
BW-1.1	BW-1.5	852.49	852.67	2.00%	9	---	---	---	---	---	---	---
BW-1.4	BW-1.6	852.13	852.25	2.00%	---	6	---	---	---	---	---	---
BW-1.3	BW-1.7	848.89	848.96	0.78%	---	---	---	---	---	---	9	---
BW-1	BW-2	850.42	850.65	0.72%	---	---	---	---	---	---	32	---
BW-1	BW-2.1	852.12	852.20	0.80%	10	---	---	---	---	---	---	---
BW-2	BW-2.5	851.15	852.32	1.54%	---	---	---	---	---	76	---	---
BW-2.5	BW-3	852.32	856.52	3.02%	---	---	---	---	---	139	---	---
BW-3	BW-3.1	857.77	858.19	1.05%	---	40	---	---	---	---	---	---
BW-3	BW-3.5	856.52	860.09	2.81%	---	---	---	---	---	127	---	---
BW-3.5	BW-4	860.09	870.14	5.95%	---	---	---	---	---	169	---	---
BW-4	BW-4.1	871.64	873.25	5.75%	---	28	---	---	---	---	---	---
BW-4.1	BW-4.2	873.25	874.11	2.21%	39	---	---	---	---	---	---	---
BW-4	BW-4.3	870.14	873.17	5.61%	---	---	---	---	---	54	---	---
BW-4.3	BW-5	873.17	873.93	2.00%	---	---	---	---	---	38	---	---
BW-5	BW-5.1	877.54	877.71	0.49%	35	---	---	---	---	---	---	---
BW-5.3	BW-5.2	875.00	875.13	0.76%	17	---	---	---	---	---	---	---
BW-4.3	BW-5.3	873.93	874.18	0.51%	49	---	---	---	---	---	---	---
BW-5.3	BW-5.4	874.18	874.21	0.50%	6	---	---	---	---	---	---	---
BW-5	BW-5.5	877.43	877.50	0.54%	13	---	---	---	---	---	---	---
BW-5.1	BW-5.6	877.69	881.52	4.26%	90	---	---	---	---	---	---	---
BW-5	BW-6	873.93	875.03	0.40%	---	---	---	---	---	276	---	---
BW-6	BW-6.1	885.46	885.63	0.50%	34	---	---	---	---	---	---	---
BW-6	BW-6.2	882.48	882.54	0.55%	11	---	---	---	---	---	---	---
BW-6.2	BW-6.3	882.54	882.73	0.51%	37	---	---	---	---	---	---	---
BW-6.2	BW-6.4	882.54	882.92	0.49%	77	---	---	---	---	---	---	---
BW-6	BW-7	875.03	876.10	0.40%	---	---	---	---	---	267	---	---
BW-7	BW-7.1	879.00	879.15	0.52%	---	29	---	---	---	---	---	---
BW-7.1	BW-7.2	881.91	882.08	0.49%	35	---	---	---	---	---	---	---
BW-7.2	BW-7.3	882.08	882.11	0.50%	6	---	---	---	---	---	---	---
BW-7.2	BW-7.4	884.00	884.18	0.51%	35	---	---	---	---	---	---	---
BW-7	BW-7.5	884.13	884.20	0.54%	13	---	---	---	---	---	---	---
BW-7	BW-8	876.10	877.16	0.40%	---	---	---	---	---	264	---	---
BW-8	BW-8.1	877.16	877.32	0.52%	31	---	---	---	---	---	---	---
BW-8	BW-8.2	881.21	881.28	0.54%	13	---	---	---	---	---	---	---
BW-9.1	BW-9	878.00	878.12	0.40%	---	---	---	---	---	30	---	---
BW-8	BW-9.1	877.16	878.00	0.40%	---	---	---	---	---	210	---	---
BW-9	BW-10	878.12	878.17	0.42%	---	---	---	---	---	12	---	---
BW-10	BW-10.1	878.25	878.45	0.50%	---	---	40	---	---	---	---	---
BW-10.1	BW-10.2	878.45	878.51	0.50%	---	---	12	---	---	---	---	---
BW-10	BW-11	878.17	878.83	0.67%	---	---	---	---	---	98	---	---
BW-11	BW-11.1	880.95	881.38	1.00%	43	---	---	---	---	---	---	---
BW-11	BW-11.5	879.37	883.39	2.36%	---	---	---	---	170	---	---	---
BW-11.5	BW-11.6	883.89	887.27	5.45%	---	---	62	---	---	---	---	---
BW-11.6	BW-12	887.27	894.62	5.03%	---	---	---	146	---	---	---	---

CONT'D FROM PREVIOUS

Revised 4/26/19 EDH
-Storm Sewer revised

STORM SEWER

					STORM SEWER PIPE REINFORCED CONCRETE - TYPE I							
					50401	50402	50403	50404	50405	50407	50409	50421
DNSTRM. STRUCT.	UPSTRM. STRUCT.	DNSTRM. STRUCT. INLET ELEV.	UPSTRM. STRUCT. DISCHARGE ELEV.	SLOPE	12-INCH LF	15-INCH LF	18-INCH LF	21-INCH LF	24-INCH LF	30-INCH LF	36-INCH LF	HORIZONTAL ELLIPTICAL CLASS HE-III 29X45-INCH LF
BW-12.5	BW-12.1	894.74	894.83	0.50%	---	---	18	---	---	---	---	---
BW-12.1	BW-12.2	894.83	895.00	0.52%	---	---	33	---	---	---	---	---
BW-12.2	BW-12.3	895.00	895.16	0.50%	---	---	32	---	---	---	---	---
BW-12.3	BW-12.4	895.16	895.19	0.50%	---	---	6	---	---	---	---	---
BW-12	BW-12.5	894.62	894.74	0.48%	---	---	25	---	---	---	---	---
BW-12.1	BW-12.6	899.68	907.00	8.13%	90	---	---	---	---	---	---	---
BW-12	BW-13	899.09	918.68	7.90%	---	---	---	248	---	---	---	---
BW-13	BW-13.1	919.49	922.41	5.51%	53	---	---	---	---	---	---	---
BW-13	BW-13.2	918.68	919.00	0.58%	---	---	55	---	---	---	---	---
BW-13.2	BW-13.3	920.16	920.24	0.50%	16	---	---	---	---	---	---	---
BW-13.2	BW-13.4	920.16	920.24	0.53%	15	---	---	---	---	---	---	---
BW-13	BW-13.5	919.43	925.92	5.95%	109	---	---	---	---	---	---	---
BW-13.3	BW-13.6	920.24	920.27	0.50%	---	---	6	---	---	---	---	---
TOTALS					1,414	260	665	394	921	1,843	242	292

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STORM SEWER MISCELLANEOUS QUANTITIES	SHEET ST-12	E

CONT'D FROM PREVIOUS

Revised 4/26/19 EDH
-Storm Sewer revised

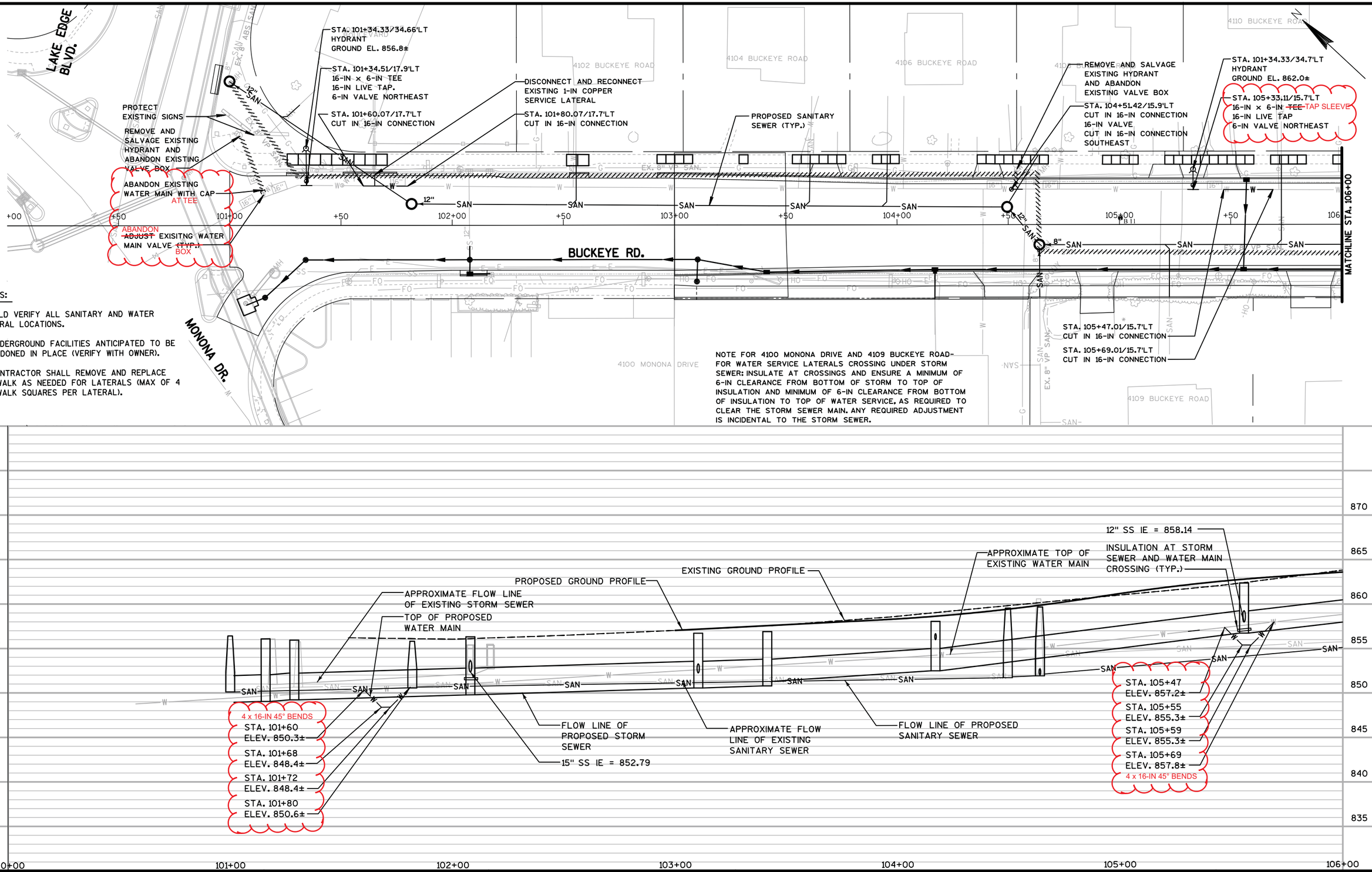
INLETS, MANHOLES, TEES, MANHOLE COVERS, AND INLET COVERS

STRUCT. ID#	STATION	OFFSET	TOP OF CASTING	INLET ELEV.	DEPTH	50723 3'X 3' SAS EACH	50724 4'X 4' SAS EACH	50725 5'X 5' SAS EACH	50726 6'X 6' SAS EACH	90050 38-INCH X 60-INCH HERCP X 36-INCH RCP TEE CLASS IV EACH	*20336 PIPE PLUG EACH	50741 TYPE "H" INLET EACH	50467 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30 -INCH EACH	50499 CONCRETE COLLAR EACH	50794 PRIVATE STORM SEWER RECONNECT TYPE 2 EACH	50795 PRIVATE STORM SEWER LATERAL EACH	MANHOLE COVERS R-1550-0054 EACH	INLET COVERS R-1878-B7G EACH	INLET COVERS R-3067-7004-V EACH	INLET COVERS R-3067-7004-VB EACH
BW-1.7	101+15.86	32.5 'RT	856.00	848.96	7.04	---	---	1	---	---	---	---	---	---	---	---	1	---	---	---
BW-2	103+41.40	21.2 'RT	857.42	850.65	6.77	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---
BW-2.1	103+10.00	25.4 'RT	856.59	852.20	4.39	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---
BW-2.5	104+17.05	20.1 'RT	858.55	852.32	6.23	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---
BW-2.6	104+17.00	33.0 'RT	-	855.07	-	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---
BW-3	105+55.78	20.1 'RT	862.83	856.52	6.31	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-3.1	105+57.18	20.1 'LT	863.06	858.19	4.87	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-3.5	106+82.40	20.1 'RT	866.32	860.09	6.23	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-4	108+51.14	20.1 'RT	876.37	870.14	6.23	---	---	1	---	---	---	---	---	---	---	---	---	---	1	---
BW-4.1	108+69.51	41.4 'RT	877.86	873.25	4.61	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-4.2	109+04.81	57.1 'RT	878.72	874.11	4.61	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-4.3	109+04.81	11.7 'RT	879.33	873.17	6.16	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---
BW-5	109+43.17	11.0 'RT	881.69	873.93	7.76	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---
BW-5.1	109+43.25	23.6 'LT	882.32	877.71	4.61	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-5.2	109+22.08	37.6 'LT	881.48	875.13	6.35	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-5.3	109+04.54	37.4 'LT	880.70	874.18	6.52	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-5.4	109+04.46	43.4 'LT	-	874.21	-	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---
BW-5.5	109+43.14	23.6 'RT	882.19	877.50	4.69	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-5.6	110+32.85	23.6 'LT	886.13	881.52	4.61	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-5.7	110+33.14	33.0 'LT	-	881.70	-	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---
BW-6	112+19.35	11.0 'RT	889.93	875.03	14.90	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---
BW-6.1	112+19.86	22.9 'LT	890.35	885.63	4.72	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
BW-6.2	112+18.41	22.4 'RT	890.19	882.54	7.65	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1
BW-6.3	111+81.26	22.4 'RT	890.00	882.73	7.27	1	---	---	---	---	---	---	---	---	1	---	1	---	---	---
BW-6.4	112+94.92	23.6 'RT	890.13	882.92	7.21	---	---	---	---	---	---	1	---	---	1	---	---	---	1	---
BW-7	114+86.71	11.0 'RT	888.62	876.10	12.52	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---
BW-7.1	114+87.05	17.6 'LT	889.24	879.15	10.09	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-7.2	115+15.96	36.8 'LT	888.90	882.08	6.82	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1
BW-7.3	115+15.93	42.8 'LT	-	882.11	-	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---
BW-7.4	115+51.16	37.9 'LT	888.85	884.18	4.67	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-7.5	114+86.55	23.6 'RT	888.89	884.20	4.69	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-8	117+51.02	8.9 'RT	885.63	877.16	8.47	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---
BW-8.1	117+49.74	21.6 'LT	886.04	877.32	8.72	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-8.2	117+50.55	21.6 'RT	885.97	881.28	4.69	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-9	119+88.01	20.1 'RT	884.05	878.12	5.93	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1
BW-9.1	119+60.96	7.5 'RT	883.88	878.00	5.88	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---
BW-10	120+00.01	20.1 'RT	883.98	878.17	5.81	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1
BW-10.1	120+00.00	20.1 'LT	884.12	878.45	5.67	1	---	---	---	---	---	---	---	---	---	---	---	---	---	1
BW-10.2	119+88.00	20.0 'LT	884.19	878.51	5.68	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1
BW-11	120+97.53	20.1 'RT	885.06	878.83	6.23	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-11.1	121+12.85	20.1 'LT	885.49	881.38	4.11	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---
BW-11.5	122+68.00	20.4 'RT	889.16	883.39	5.77	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-11.6	123+30.03	21.1 'RT	892.69	887.27	5.42	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-12	124+76.50	21.6 'RT	904.51	894.62	8.89	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---
BW-12.1	124+76.50	21.6 'LT	905.20	894.83	10.37	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STORM SEWER MISCELLANEOUS QUANTITIES	SHEET ST-14	E

ADDENDUM 1 - PEH

2



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-1	E

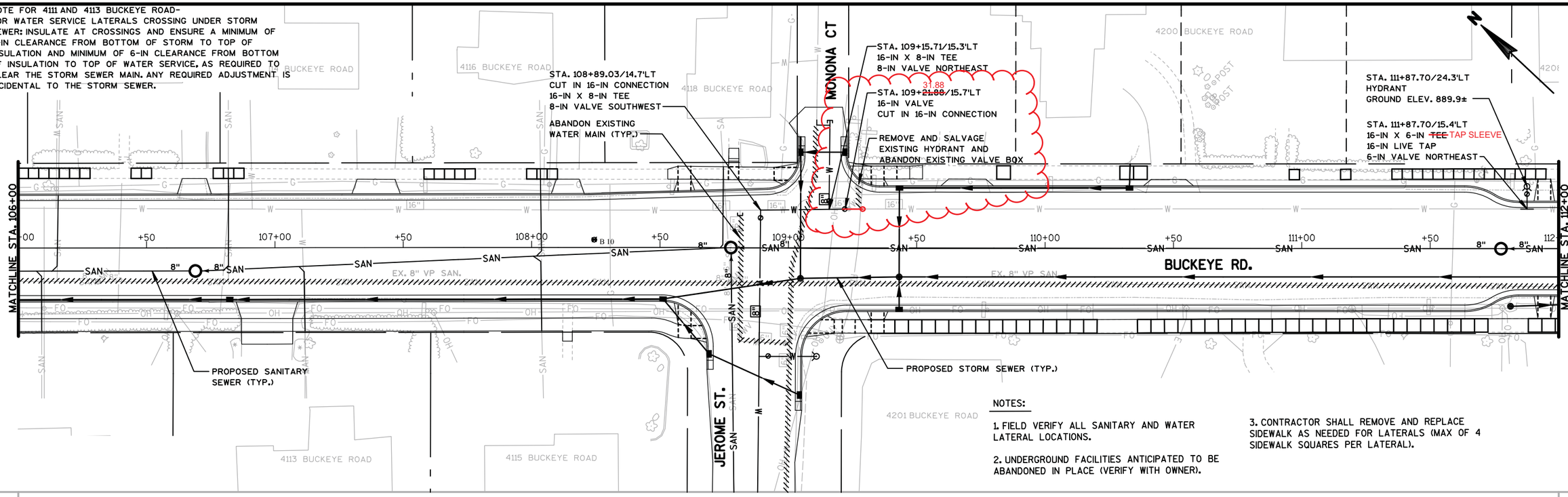
FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023001_up.dgn PLOT DATE : 4/18/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

ADDENDUM 1 - PEH

2

NOTE FOR 4111 AND 4113 BUCKEYE ROAD-
FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE, AS REQUIRED TO CLEAR THE STORM SEWER MAIN. ANY REQUIRED ADJUSTMENT IS INCIDENTAL TO THE STORM SEWER.

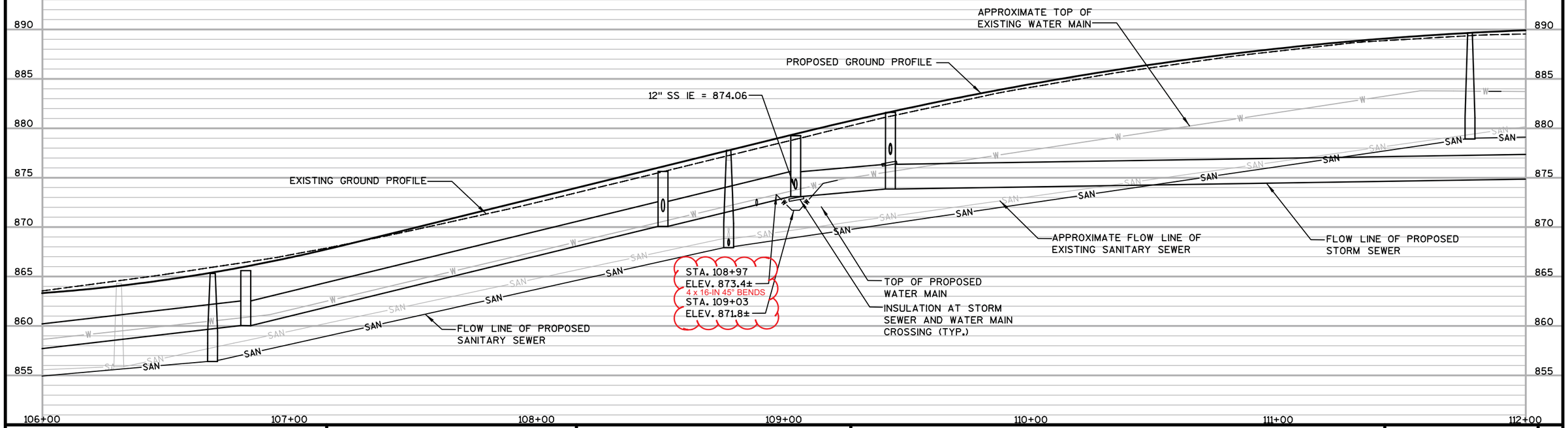


NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

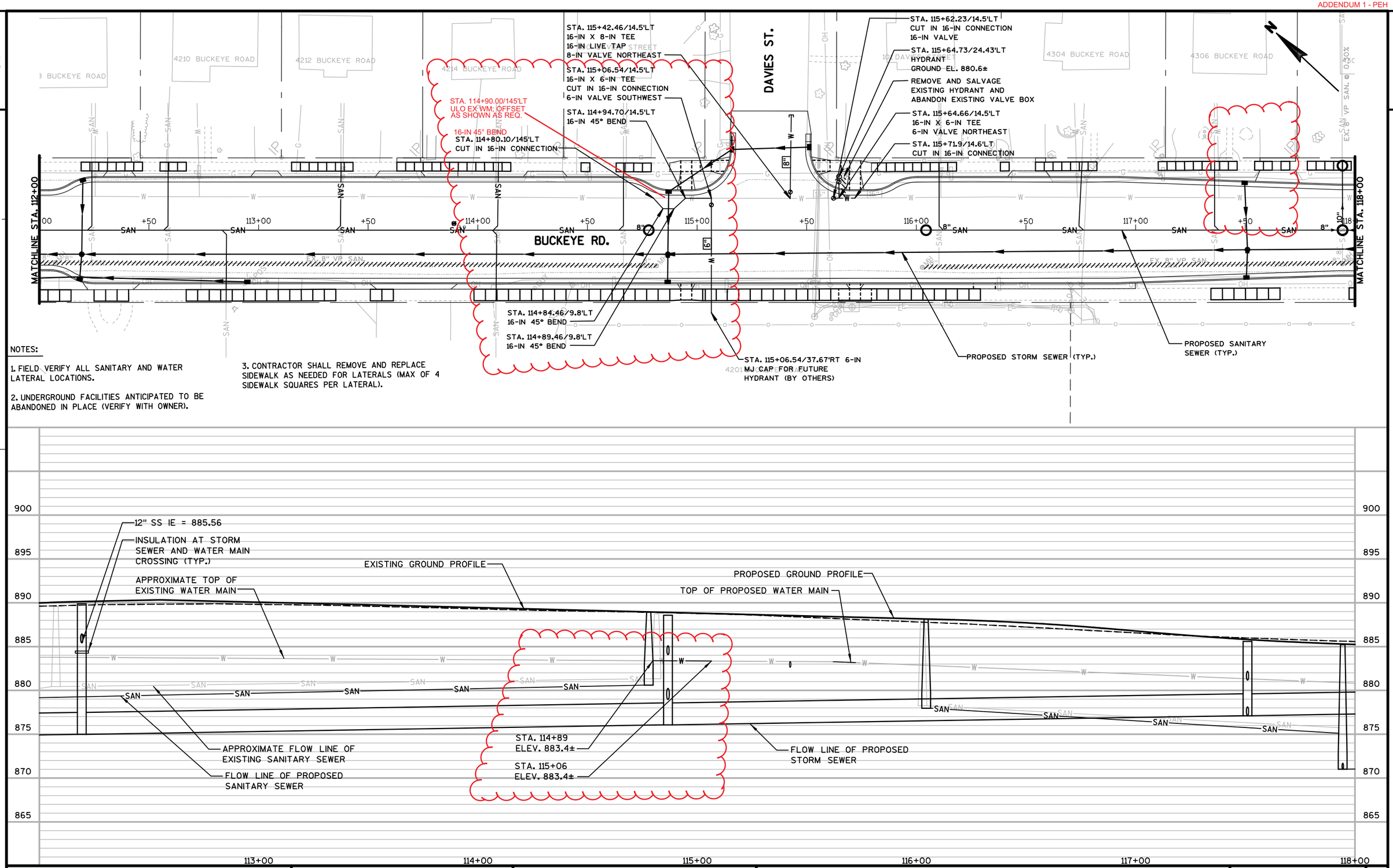
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-2	E

ADDENDUM 1 - PEH



NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-3	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023003_up.dgn PLOT DATE : 4/18/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

ADDENDUM 1 - PEH

2

2

STA. 120+16.01/14.5'LT
CUT IN 16-IN CONNECTION

DISCONNECT AND
RECONNECT EXISTING 1-IN
COPPER SERVICE LATERAL

STA. 119+84.01/14.5'LT
CUT IN 16-IN CONNECTION

STA. 120+52.68/14.5'LT
16-IN X 8-IN TEE
CUT IN 16-IN CONNECTION
NORTHWEST, SOUTHEAST
16-IN VALVE SOUTHEAST
8-IN VALVE SOUTHWEST

WATER SERVICE?

4312 BUCKEYE ROAD
4314 BUCKEYE ROAD
4320 BUCKEYE ROAD
4322 BUCKEYE ROAD
4324 BUCKEYE ROAD
4326 BUCKEYE ROAD
4328 BUCKEYE ROAD

MATCHLINE STA. 118+00

MATCHLINE STA. 124+00

BUCKEYE RD.

QUAKER CIR.

EX. 12" PVC SS

EX. 8" VP SAN

PROPSED STORM SEWER (TYP.)

PROPOSED SANITARY
SEWER (TYP.)

NOTE FOR 120 W. LAKEVIEW AVENUE-
FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE, AS REQUIRED TO CLEAR THE STORM SEWER MAIN. ANY REQUIRED ADJUSTMENT IS INCIDENTAL TO THE STORM SEWER.

100 QUAKER CIRCLE
111 QUAKER CIRCLE
102 W. LAKEVIEW AVENUE

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

INSULATION AT STORM
SEWER AND WATER MAIN
CROSSING (TYP.)

TOP OF PROPOSED
WATER MAIN

APPROXIMATE TOP OF
EXISTING WATER MAIN

FLOW LINE OF PROPOSED
STORM SEWER

18" SS IE = 878.39

15" SS IE = 881.32

PROPOSED GROUND PROFILE

EXISTING GROUND PROFILE

STA. 119+84
ELEV. 879.8±

STA. 119+99
ELEV. 876.2±

STA. 120+02
ELEV. 876.2±

STA. 120+16
ELEV. 879.8±

4 x 16-IN 45° BENDS

APPROXIMATE FLOW LINE OF
EXISTING SANITARY SEWER

APPROXIMATE
APPARENT BEDROCK

FLOW LINE OF PROPOSED
SANITARY SEWER

900 895 890 885 880 875 870 865

118+00 119+00 120+00 121+00 122+00 123+00 124+00

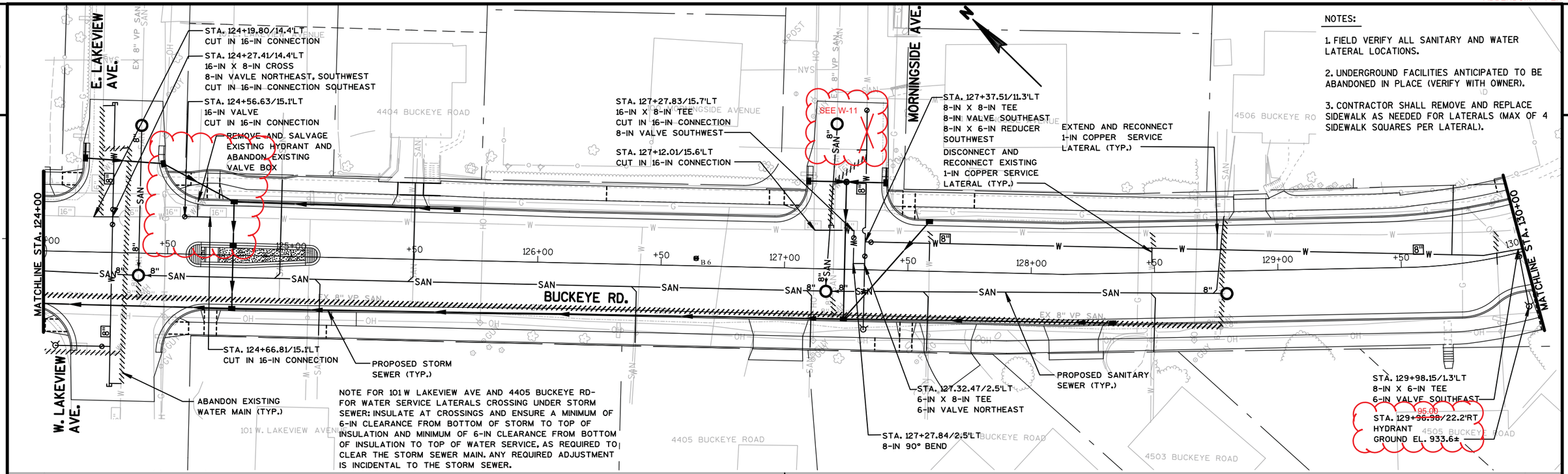
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-4	E

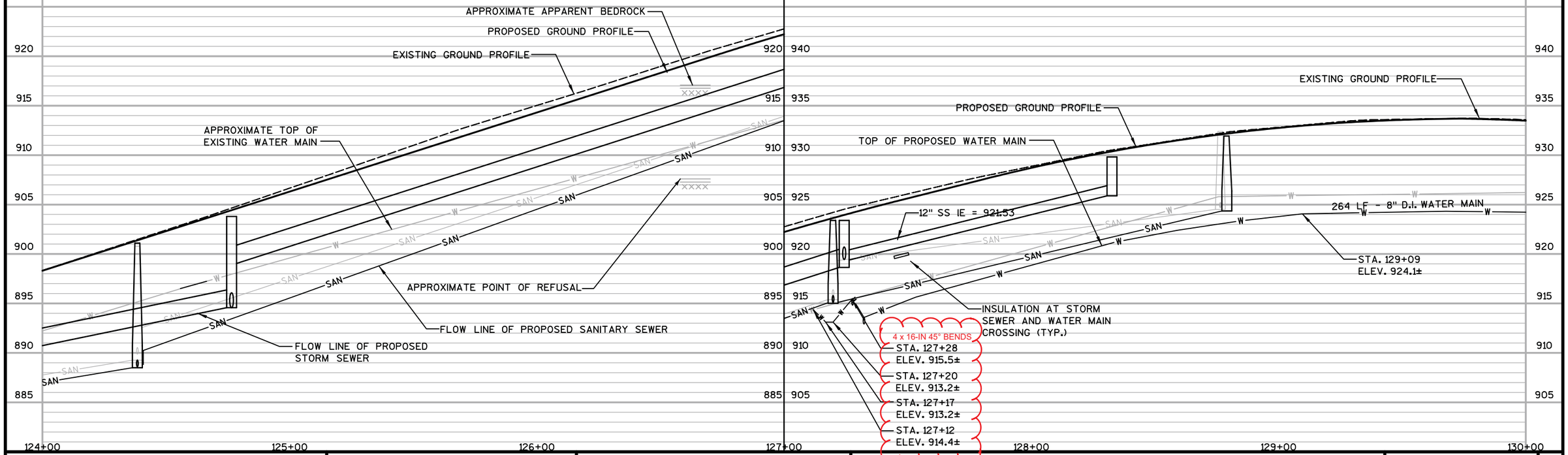
FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023004_up.dgn PLOT DATE : 4/18/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

ADDENDUM 1 - PEH

2





PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-5	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023005_up.dgn PLOT DATE : 4/18/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

ADDENDUM 1 - PEH

NOTE FOR 4703, 4705, AND 4707 BUCKEYE ROAD- FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE, AS REQUIRED TO CLEAR THE STORM SEWER MAIN. ANY REQUIRED ADJUSTMENT IS INCIDENTAL TO THE STORM SEWER.

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

STA. 130+30.93/3.9'LT
8-IN, 22° BEND

12-IN 90° BEND
STA. 130+43.64/15.40'LT
CUT-IN CONNECTION
12-IN VALVE - WEST
ADJUST EXISITNG WATER MAIN VALVE (TYP.)

EXISTING CLOSED BOUNDARY VALVE. ADJUST EXISTING WATER VALVE (TYP.)

STA. 133+47.97/16.0'LT
11.25° 12-IN BEND
STA. 133+32.90/17.58'LT
CUT-IN 12-IN CONNECTION
+ CAP 6-IN WM AT ABANDONMENT

DISCONNECT AND RECONNECT EXISTING 1-IN COPPER SERVICE LATERAL (TYP.)

ABANDON EXISTING WATER MAIN (TYP.)

STA. 135+67.21/15.0'LT
12-IN X 8-IN TEE
12-IN VALVE EAST
8-IN VALVE NORTH

MATCHLINE STA. 130+00

MATCHLINE STA. 136+00

BUCKEYE RD.

SHAFFER AVE.

SPAANEM AVE.

TURNER AVE.

STA. 1130+47.51/2.1'LT
16-IN X 8-IN TEE
CUT IN CONNECTIONS

STA. 130+41.69/2.6'LT
8-IN X 12-IN CROSS
12-IN VALVE NORTHEAST, SOUTHWEST
8-IN VALVE SOUTHEAST

PROPOSED STORM SEWER (TYP.)

PROPOSED SANITARY SEWER (TYP.)

EXTEND AND RECONNECT 1-IN COPPER SERVICE LATERAL (TYP.)

STA. 135+89.89/15.0'LT
12-IN X 8-IN TEE
SEE W-12

4516 BUCKEYE ROAD
4602 BUCKEYE ROAD
4606 BUCKEYE ROAD
4704 BUCKEYE ROAD
4706 BUCKEYE ROAD
4603 BUCKEYE ROAD
4605 BUCKEYE ROAD
4702 SPAANEM AVENUE
4701 SPAANEM AVENUE
4703 BUCKEYE ROAD
4705 BUCKEYE ROAD
4707 BUCKEYE ROAD

APPROXIMATE TOP OF EXISTING WATER MAIN

PROPOSED GROUND PROFILE

TOP OF PROPOSED WATER MAIN

STA. 133+80
ELEV. 919.4±

EXISTING GROUND PROFILE

INSULATION AT STORM SEWER AND WATER MAIN CROSSING (TYP.)

41 LF - 8" D.I WATER MAIN

6'(TYP.)

268 LF - 12" D.I. WATER MAIN

FLOW LINE OF PROPOSED STORM SEWER

APPROXIMATE APPARENT BEDROCK

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

FLOW LINE OF PROPOSED SANITARY SEWER

18" SS IE = 918.16

935 930 925 920 915 910 905 900

130+00 131+00 132+00 133+00 134+00 135+00 136+00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-6	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023006_up.dgn PLOT DATE : 4/17/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

ADDENDUM 1 - PEH

NOTE FOR 4801, 4803, 4802, 4807, 4809, 4901, 4903, 4905, 4907, AND 4909 BUCKEYE ROAD- FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE, AS REQUIRED TO CLEAR THE STORM SEWER MAIN. ANY REQUIRED ADJUSTMENT IS INCIDENTAL TO THE STORM SEWER.

STA. 136+16.91/25.5'LT
HYDRANT
GROUND ELEV. 923.5±

STA. 136+16.90/15.0'LT
12-IN X 6-IN TEE
6-IN WV NORTH

ABANDON EXISTING WATER MAIN (TYP.)

REMOVE AND SALVAGE EXISTING HYDRANT AND ABANDON EXISTING VALVE BOX

STA. 138+94.14/15.0'LT
12-IN X 8-IN CROSS
12-IN VALVE EAST
8-IN VALVE NORTH, SOUTH

DISCONNECT AND RECONNECT EXISTING 1-IN COPPER SERVICE LATERAL (TYP.)

EXTEND AND RECONNECT 1-IN COPPER SERVICE LATERAL (TYP.)

MATCHLINE STA. 136+00

MATCHLINE STA. 142+00

BUCKEYE RD.

MAHER AVE.

MAHER AVE.

ADJUST EXISTING WATER MAIN VALVE (TYP.)

PROPOSED STORM SEWER (TYP.)

PROPOSED SANITARY SEWER (TYP.)

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).
3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

APPROXIMATE TOP OF EXISTING WATER MAIN

PROPOSED GROUND PROFILE

TOP OF PROPOSED WATER MAIN

6'(TYP.)

600 LF - 12" D.I. WATER MAIN

12" SS IE = 915.52

APPROXIMATE APPARENT BEDROCK

APPROXIMATE POINT OF REFUSAL

APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER

STA. 139+09
ELEV. 912.4±

APPROXIMATE APPARENT BEDROCK

APPROXIMATE POINT OF REFUSAL

EXISTING GROUND PROFILE

STA. 139+28
ELEV. 910.4±

FLOW LINE OF PROPOSED SANITARY SEWER

INSULATION AT STORM SEWER AND WATER MAIN CROSSING (TYP.)

12" SS IE = 900.66

FLOW LINE OF PROPOSED STORM SEWER

925 920 915 910 905 900 895 890

136+00 137+00 138+00 139+00 140+00 141+00 142+00

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-7	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023007_up.dgn PLOT DATE : 4/17/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

ADDENDUM 1 - PEH

2

2

STA. 142+20.79/15.0'LT
12-IN X 8-IN TEE
8-IN VALVE NORTH

STA. 148+28.08/15.0'LT
12-IN X 8-IN TEE
12-IN VALVE WEST
8-IN VALVE SOUTH

STA. 142+50.50/25.38'LT
HYDRANT
GROUND ELEV. 902.6±

STA. 142+50.48/14.93'LT
12-IN X 6-IN TEE
6-IN VALVE NORTH

ABANDON EXISTING
WATER MAIN (TYP.)

DISCONNECT AND RECONNECT
EXISTING 1-IN COPPER
SERVICE LATERAL (TYP.)

EXTEND AND RECONNECT
1-IN COPPER SERVICE
LATERAL (TYP.)

STA. 143+94.67/15.45'LT
12-IN, 90° BEND

STA. 143+94.67/8.55'LT
12-IN x 6-IN TEE
6-IN VAVLE EAST
CUT-IN 6-IN CONNECTION

MATCHLINE STA 142+00

BUCKEYE RD.

CAMDEN RD.

S. STOUGHTON ROAD

PROPOSED SANITARY
SEWER (TYP.)

PROPOSED STORM
SEWER (TYP.)

EX 8" VP SAN.

EX 8" PVC SAN.

STA. 145+34.47/60.73'RT
12-IN, 45° BEND

STA. 143+64.10/8.12'LT
CUT-IN 12-IN CONNECTION
12-IN VALVE WEST
12-IN 22.5° BEND

STA. 143+95.36/40.2'RT
12-IN, 90° BEND
ULO: FIBER OPTIC

S. STOUGHTON
SERVICE ROAD

5001 BUCKEYE ROAD
5003 BUCKEYE ROAD
5004 BUCKEYE ROAD
5006 BUCKEYE ROAD
5008 BUCKEYE ROAD
5010 BUCKEYE ROAD
5012 BUCKEYE ROAD
1826 S. STOUGHTON ROAD

N

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

NOTE FOR 5003 BUCKEYE ROAD-
FOR WATER SERVICE LATERALS CROSSING UNDER STORM SEWER: INSULATE AT CROSSINGS AND ENSURE A MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM OF 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE, AS REQUIRED TO CLEAR THE STORM SEWER MAIN. ANY REQUIRED ADJUSTMENT IS INCIDENTAL TO THE STORM SEWER.

142+00 143+00 144+00 145+00 146+00 147+00

920 915 910 905 900 895 890 885 880

APPROXIMATE TOP OF
EXISTING WATER MAIN

TOP OF PROPOSED
WATER MAIN

PROPOSED GROUND
PROFILE

EXISTING GROUND
PROFILE

APPROXIMATE FLOW LINE OF
EXISTING STORM SEWER

29X45 SS IE = 896.40

29X45 SS IE = 895.90

6' (TYP.)

440 LF - 12" D.I. WATER MAIN

FLOW LINE OF PROPOSED
SANITARY SEWER

APPROXIMATE FLOW LINE OF
EXISTING SANITARY SEWER

FLOW LINE OF PROPOSED
STORM SEWER

18" SS IE = 897.26

INSULATION AT STORM
SEWER AND WATER MAIN
CROSSING (TYP.)

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-8	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023008_up.dgn PLOT DATE : 4/17/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

ADDENDUM 1 - PEH

2

STA. 11+11.27.0'RT
8-IN X 4-IN TEE
4-IN VALVE SOUTHEAST

PROPOSED SANITARY SEWER (TYP.)

STA. 10+96.01/7.2'LT
~~8-IN X 6-IN TEE~~ 8-IN X 8-IN TEE
8-IN MJ CAP SOUTHWEST
PROVIDE TEMPORARY FLUSHING DEVCE

DISCONNECT AND RECONNECT 1-IN COPPER SERVICE LATERAL

JEROME ST.

BUCKEYE RD.

ALIGNMENT DATA:

P. 10+00.00
Y: 483,991.62
X: 837,703.25

P. 12+23.67
Y: 494,144.26
X: 837,866.73

P. 13+50.00
Y: 484,230.48
X: 837,959.07

ABANDON EXISTING WATER MAIN (TYP.)

MONONA CT

EX 8-IN WM

STA. 10+95.82/3.7'RT
~~6-IN 90° BEND~~ 8-IN 90° BEND
~~8-IN VALVE~~ 8-IN VALVE
CUT-IN ~~6-IN~~ CONNECTION

STA. 11+81.51/6.3'LT
8-IN X 6-IN TEE
6-IN VALVE SOUTHEAST

STA. 11+10.81/22.2'RT
4-IN 90° BEND
CUT-IN 4-IN CONNECTION

STA. 11+81.51/16.0'RT
HYDRANT
GROUND ELEV. 879.9±

STA. 12+71.56/16.17'RT
CUT-IN 8-IN CONNECTION
w/8-IN 90° BEND
STA. 12+71.52/21.26'RT
8-IN X 8-IN TEE
8-IN MJ CAP NORTHEAST
PROVIDE TEMPORARY FLUSHING DEVICE

PROPOSED STORM SEWER (TYP.)

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

890
885
880
875
870
865
860
855

30" SS IE 872.30
FLOW LINE OF PROPOSED SANITARY SEWER
APPROXIMATE TOP OF EXISTING WATER MAIN
APPROXIMATE FLOW LINE OF EXISTING SANITARY SEWER
123 LF - 8" PVC @ 0.86%
EXISTING GROUND PROFILE
12" SS IE 875.11
INSULATION AT STORM SEWER AND WATER MAIN CROSSING (TYP.)
100 LF - 8" D.I. WATER MAIN
STA. 12+63
ELEV. 873.5±
STA. 12+12
ELEV. 870.5±
8-IN OFFSET AS REQ.
STA. 12+09
ELEV. 870.5±
TOP OF PROPOSED WATER MAIN

10+50 11+00 11+50 12+00 12+50

2

~~STA.~~
~~6-IN~~ MJ CAP FOR FUTURE HYDRANT (BY OTHERS)
5-FT BEHIND WALK / 27.2'LT

STA. 21+09.25/27.2'LT
16-IN X 6-IN TEE
CUT IN 16-IN CONNECTION SOUTHEAST
6-IN VALVE SOUTHWEST
STA. 21+09.17/8.8'RT
16-IN X 8-IN ~~TEE~~ TAPPING SLEEVE - SEE W-3
~~CUT IN 16-IN CONNECTION~~
NORTHWEST, SOUTHEAST
8-IN VALVE NORTHEAST
STA. 21+47.34/9.2'RT
8-IN MJ CAP ~~USE TEMP. FLUSH DEVICE~~

DAVIES ST.

BUCKEYE RD.

4201 BUCKEYE ROAD

EX. 8" VP SAN.
101 DAVIES STREET

PROPOSED STORM SEWER (TYP.)

ALIGNMENT DATA:

P. 20+00.00
Y: 483,612.54
X: 838,233.27

P. 20+94.72
Y: 483,677.18
X: 838,302.51

P. 22+50.00
Y: 483,783.15
X: 838,416.00

PROPOSED SANITARY SEWER (TYP.)

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

890
885
880
875
870
865
860
855

12" SS IE 884.14
INSULATION AT STORM SEWER AND WATER MAIN CROSSING (TYP.)
EXISTING GROUND PROFILE
STA. 21+32
ELEV. 882.6±
38 LF - 8" D.I. WATER MAIN
TOP OF PROPOSED WATER MAIN

20+00 20+50 21+00 21+50 22+00 22+50

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-9	E

ADDENDUM 1 - PEH

2

ALIGNMENT DATA:

P. 30+00.00
Y: 483,166.65
X: 838,529.31

P. 31+13.56
Y: 483,245.16
X: 838,611.36

P. 32+50.00
Y: 483,339.49
X: 838,709.93

STA. 31+43.78/22.2'LT
HYDRANT
GROUND ELEV. 884.1±

STA. 31+43.66/7.3'LT
8-IN X 6-IN TEE
6-IN VALVE NORTHWEST

DISCONNECT AND
RECONNECT 1-IN COPPER
SERVICE LATERAL

STA. 31+36.29/7.3'LT
8-IN X 4-IN TEE
8-IN MJ CAP SOUTHWEST

STA. 31+36.05/12.4'RT
4-IN 90° BEND
4-IN VALVE
CUT IN 4-IN CONNECTION

PROPOSED SANITARY
SEWER (TYP.)

ABANDON EXISTING
WATER MAIN (TYP.)

PROPOSED STROM
SEWER (TYP.)

BUCKEYE RD.

QUAKER CIR.

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

INSULATION AT STORM
SEWER AND WATER MAIN
CROSSING (TYP.)

30" SS IE 878.99

EXISTING GROUND
PROFILE

APPROXIMATE FLOW LINE OF
EXISTING STORM SEWER

APPROXIMATE TOP OF
EXISTING WATER MAIN

TOP OF PROPOSED
WATER MAIN

48 LF - 8" D.I.
WATER MAIN

STA. 31+68
ELEV. 877.2±

FLOW LINE OF PROPOSED
SANITARY SEWER

APPROXIMATE FLOW LINE OF
EXISTING SANITARY SEWER

STA. 41+05.95/26.0'LT
HYDRANT
GROUND ELEV. 898.8±

STA. 41+06.04/3.9'LT
8-IN X 6-IN TEE
6-IN VALVE NORTHWEST

STA. 40+91.05/3.89'LT
8-IN X 6-IN TEE,
MJ CAP SOUTHWEST
PROVIDE TEMPORARY
FLUSHING DEVICE

STA. 40+91.05/1.00'RT
CUT-IN 6-IN CONNECTION
w/6-IN 90° BEND

STA. 41+58.50/4.1'LT
16-IN × 8-IN CROSS

STA. 42+03.39/8.77'LT
CUT IN 6-IN CONNECTION
w/6-IN 90° BEND

STA. 42+03.62/4.1'LT
8-IN × 6-IN TEE
MJ CAP NORTHEAST

W. LAKEVIEW AVE.

E. LAKEVIEW AVE.

ABANDON EXISTING WATER MAIN

PROPOSED SANITARY SEWER (TYP.)

PROPOSED STORM SEWER (TYP.)

EX. 8" VP SAN. @ 0.30%

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.

2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).

3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

ALIGNMENT DATA:

P. 40+00.00
Y: 482,922.65
X: 838,809.85

P. 41+44.09
Y: 483,020.99
X: 838,915.17

P. 42+50.00
Y: 483,093.27
X: 838,992.58

STA. 41+16
ELEV. 894.6±

STA. 41+28
ELEV. 894.6±

18" SS IE = 895.13

EXISTING GROUND PROFILE

APPROXIMATE TOP OF
EXISTING WATER MAIN

TOP OF PROPOSED
WATER MAIN

INSULATION AT STORM
SEWER AND WATER
MAIN CROSSING (TYP.)

STA. 41+86
ELEV. 893.5±
8-IN OFFSET AS REQ.

116 LF - 8" D.I.
WATER MAIN

APPROXIMATE FLOW LINE OF
EXISTING SANITARY SEWER

FLOW LINE OF PROPOSED
SANITARY SEWER

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-10	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023010_up.dgn PLOT DATE : 4/18/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

ADDENDUM 1 - PEH

2

BUCKEYE RD.

MORNINGSIDE AVE.

SHAFFER AVE.

REMOVE AND SALVAGE EXISTING HYDRANT AND ABANDON EXISTING VALVE BOX

EXISTING CLOSED BOUNDARY VALVE. ABANDON EXISTING WATER MAIN

PROPOSED SANITARY SEWER (TYP.)

EX 3-IN C.I.

STA. 50+36.58/8.2'RT
HYDRANT
GROUND ELEV. 924.5±

STA. 50+63.21/8.2'RT
8-IN X 6-IN TEE

STA. 50+72.01/8.2'RT
8-IN X 8-IN TEE
8-IN X 6-IN REDUCER
SOUTHWEST
6-IN VALVE SOUTHWEST

~~15.33~~

STA. 51+~~25.33~~/7.8'RT
CUT-IN 8-IN CONNECTION
8-IN VALVE w/8-IN X 3-IN REDUCER

DISCONNECT AND RECONNECT 1-IN COPPER SERVICE LATERAL

PROPOSED STORM SEWER (TYP.)

ALIGNMENT DATA:

P. 50+00.00
Y: 482,765.50
X: 839,070.66

P. 50+60.71
Y: 482,806.93
X: 839,115.03

P. 51+75.00
Y: 482,885.34
X: 839,199.01

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).
3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

ALIGNMENT DATA:

P. 60+00.00
Y: 482,438.23
X: 839,331.81

P. 61+64.37
Y: 482,602.48
X: 839,337.91

P. 62+22.75
Y: 482,660.82
X: 839,340.08

STA. 60+93.86/1.6'RT
12-IN MJ CAP

EX SAS 6450-014

EX 8" VP SAN.

STA. 61+16.63/13.2'RT
16-IN CUT-IN CONNECTION

STA. 61+24.16/13.8'RT
16-IN CUT-IN CONNECTION
16-IN VALVE

REMOVE AND SALVAGE EXISTING HYDRANT AND ABANDON EXISTING VALVE BOX

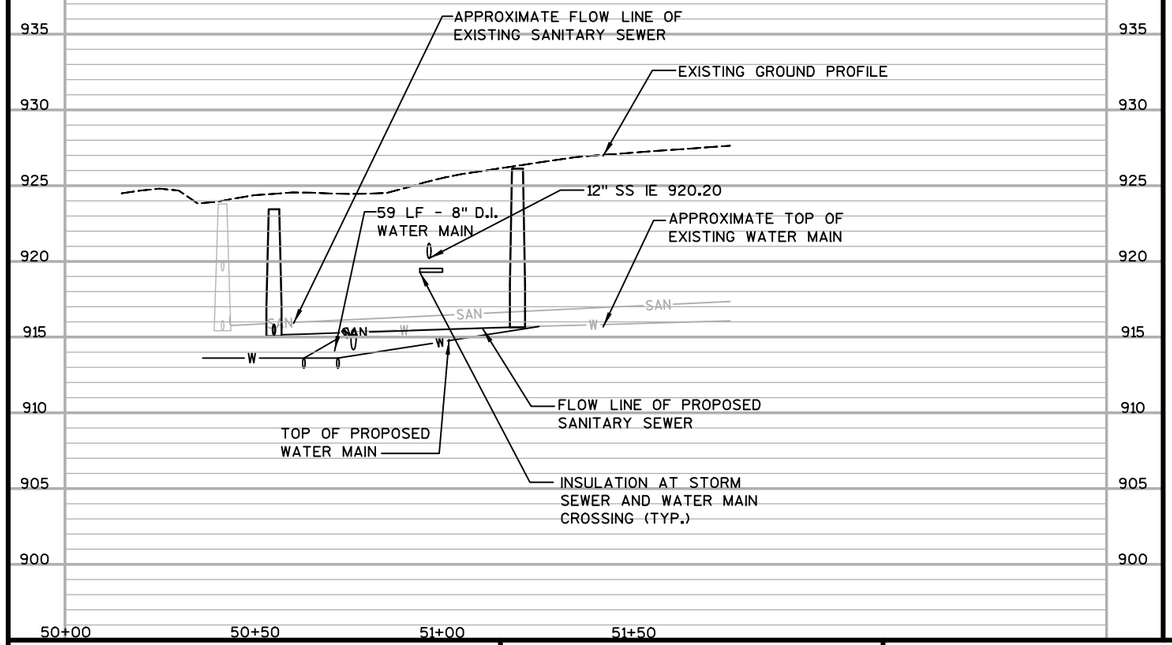
PROPOSED SANITARY SEWER (TYP.)

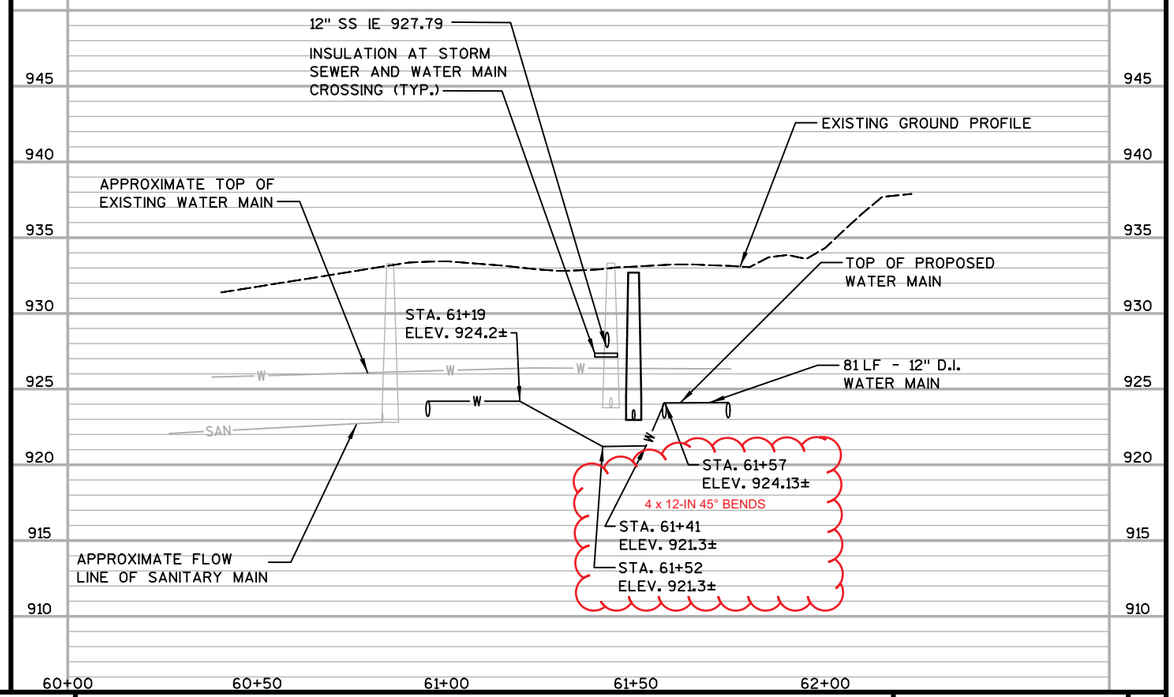
PROPOSED STORM SEWER (TYP.)

STA. 61+57.62/11.8'RT
12-IN x 8-IN CROSS
12-IN VALVE SOUTH, NORTH
8-IN VALVE EAST

NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).
3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).





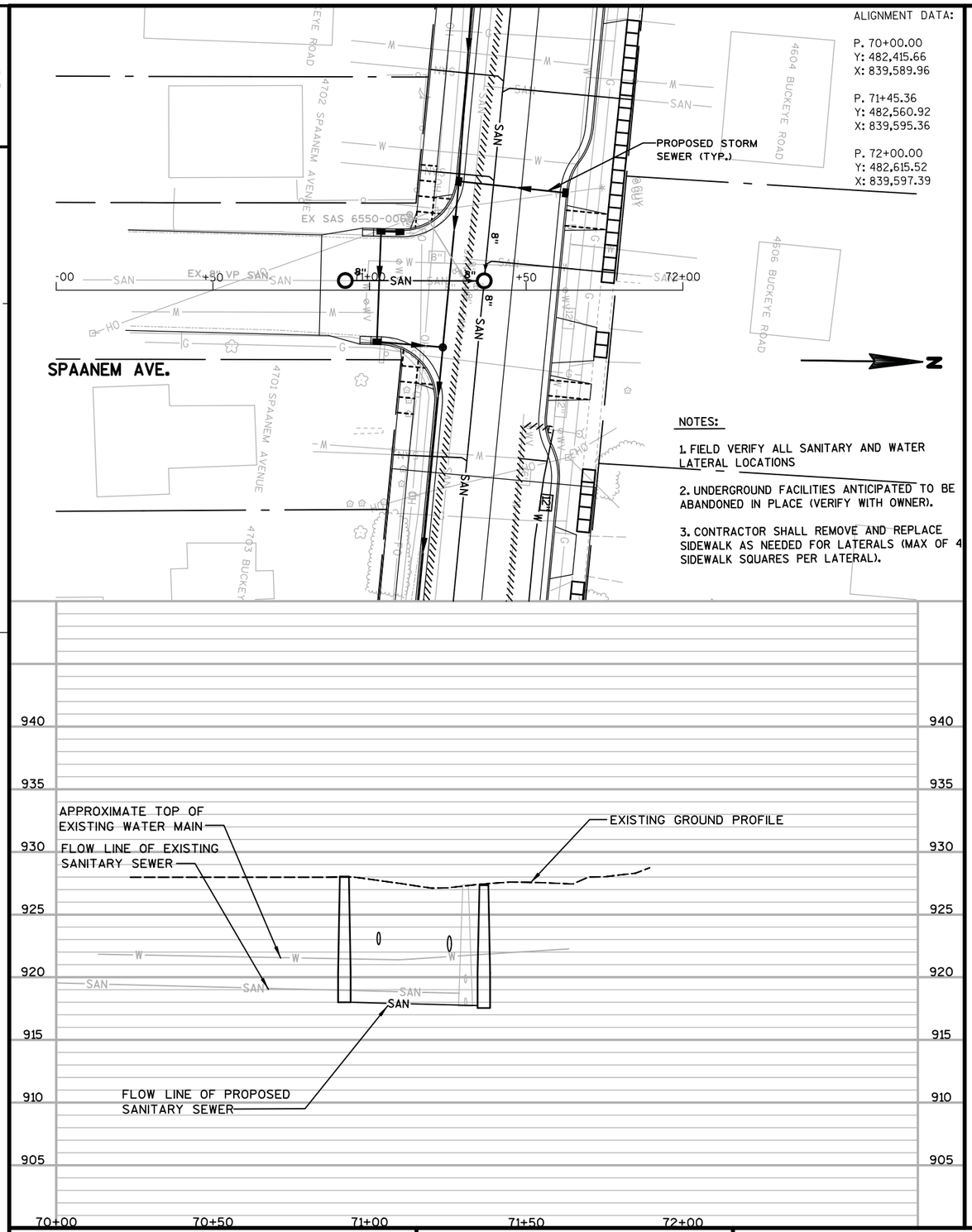
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-11	E

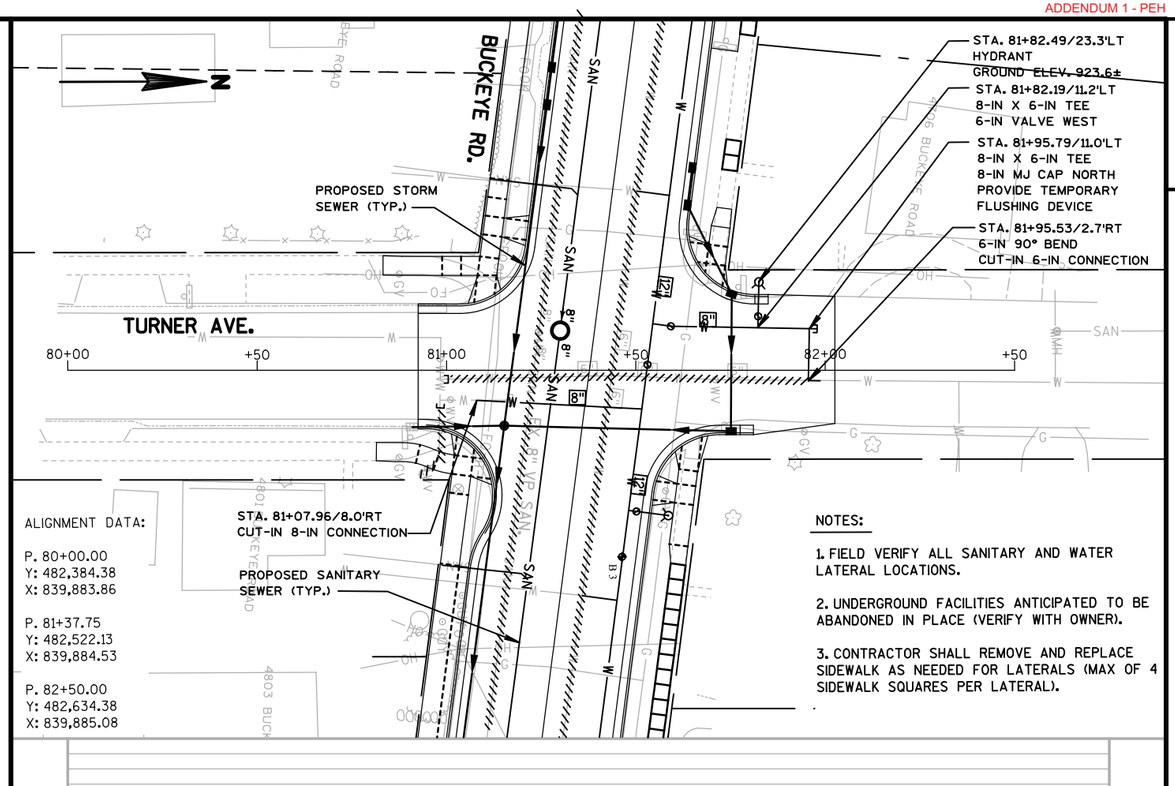
FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023011_up.dgn PLOT DATE : 4/17/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

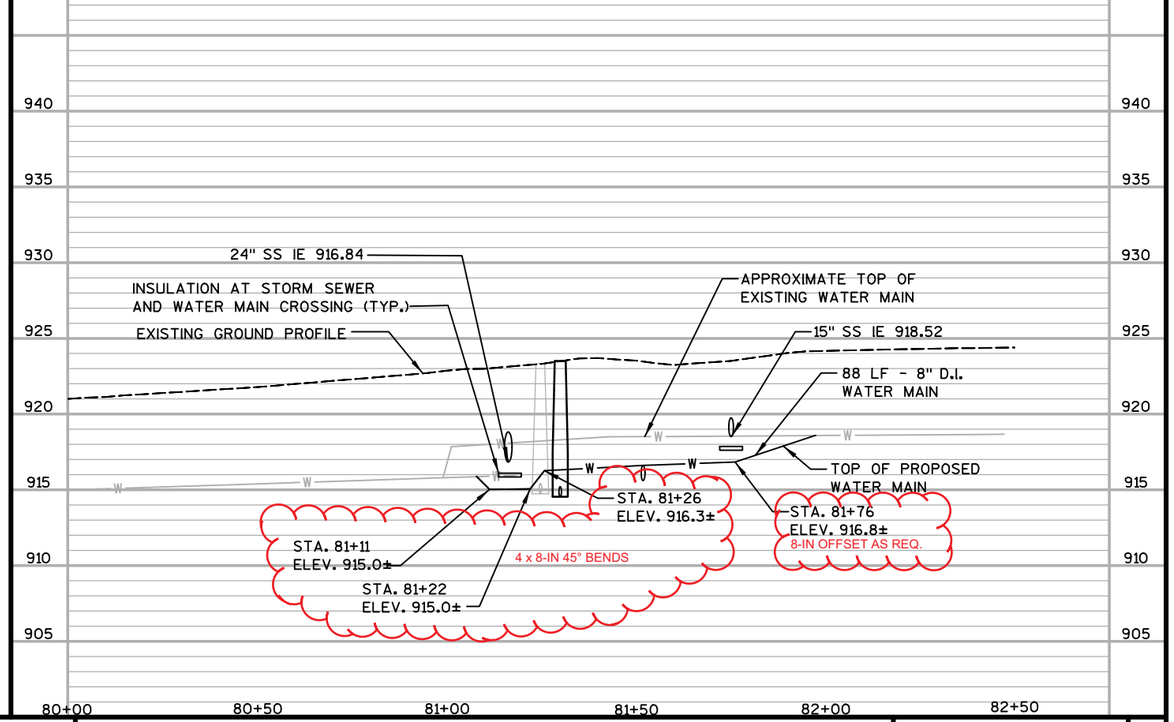
WISDOT/CADDS SHEET 41

ADDENDUM 1 - PEH

2







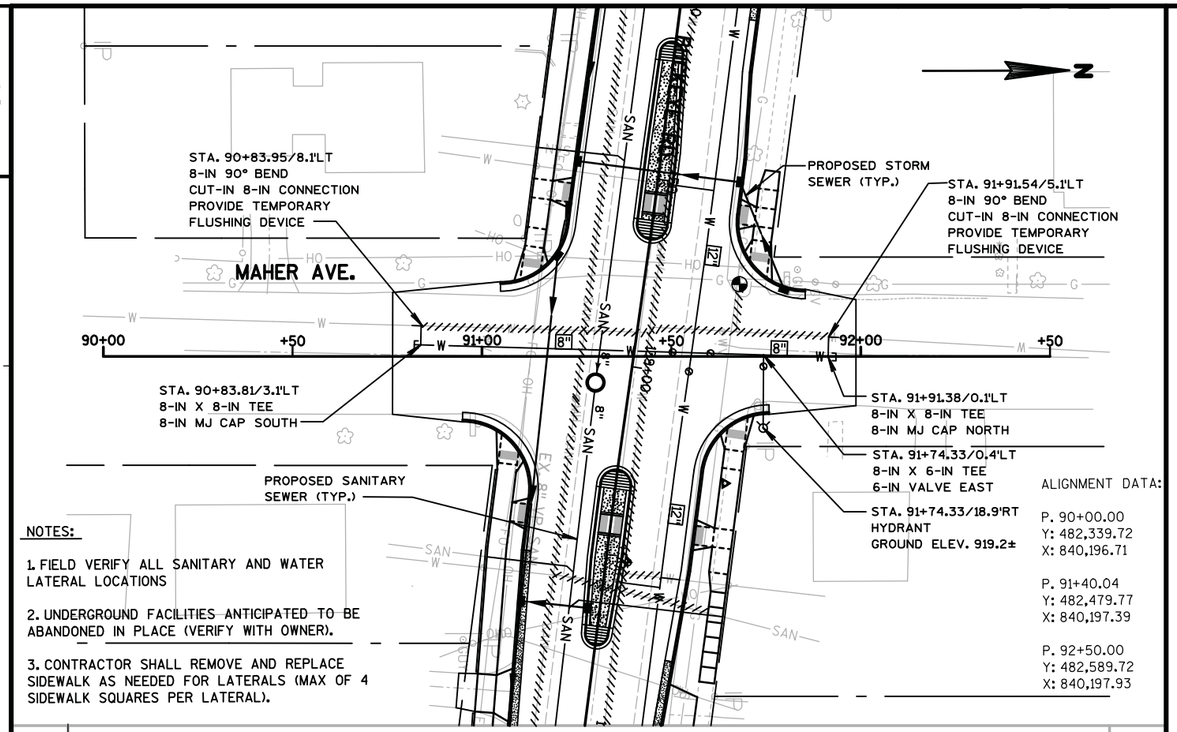
2

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-12	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\023012_up.dgn PLOT DATE : 4/17/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : 1 IN:40 FT

ADDENDUM 1 - PEH

2



NOTES:

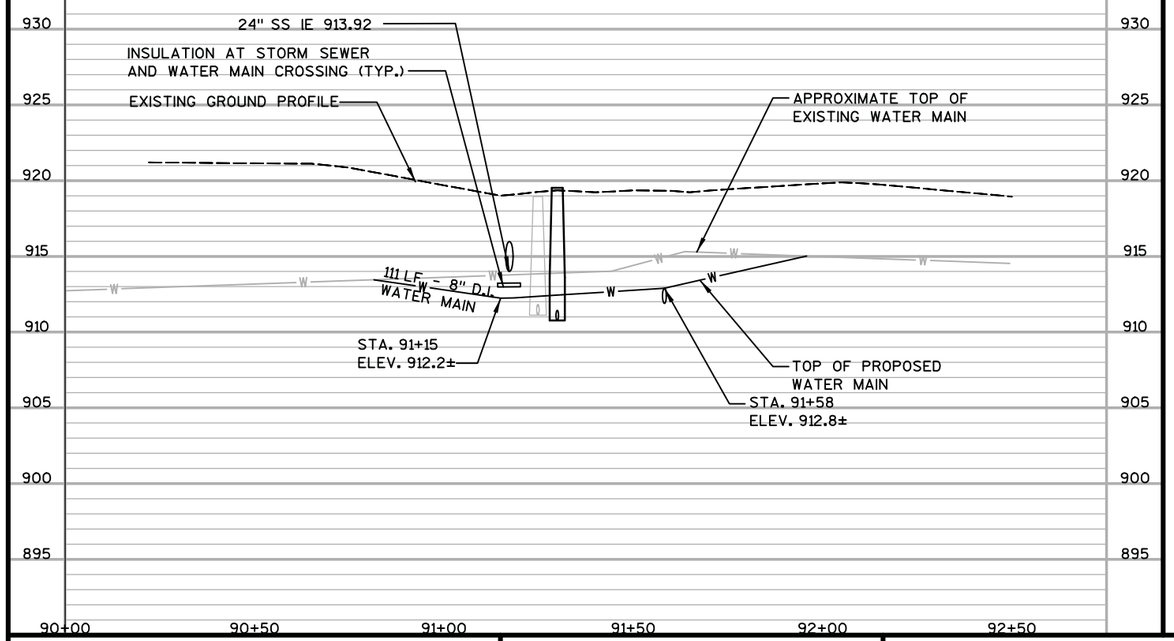
1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).
3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).

ALIGNMENT DATA:

P. 90+00.00
Y: 482,339.72
X: 840,196.71

P. 91+40.04
Y: 482,479.77
X: 840,197.39

P. 92+50.00
Y: 482,589.72
X: 840,197.93

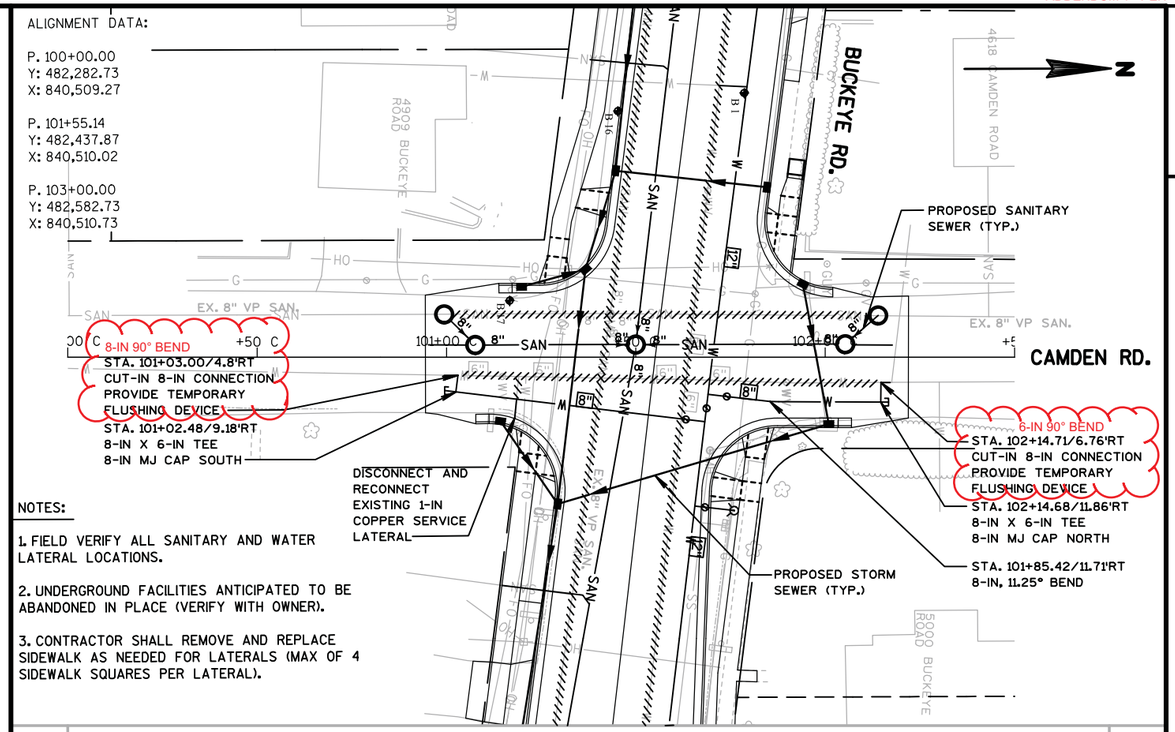


ALIGNMENT DATA:

P. 100+00.00
Y: 482,282.73
X: 840,509.27

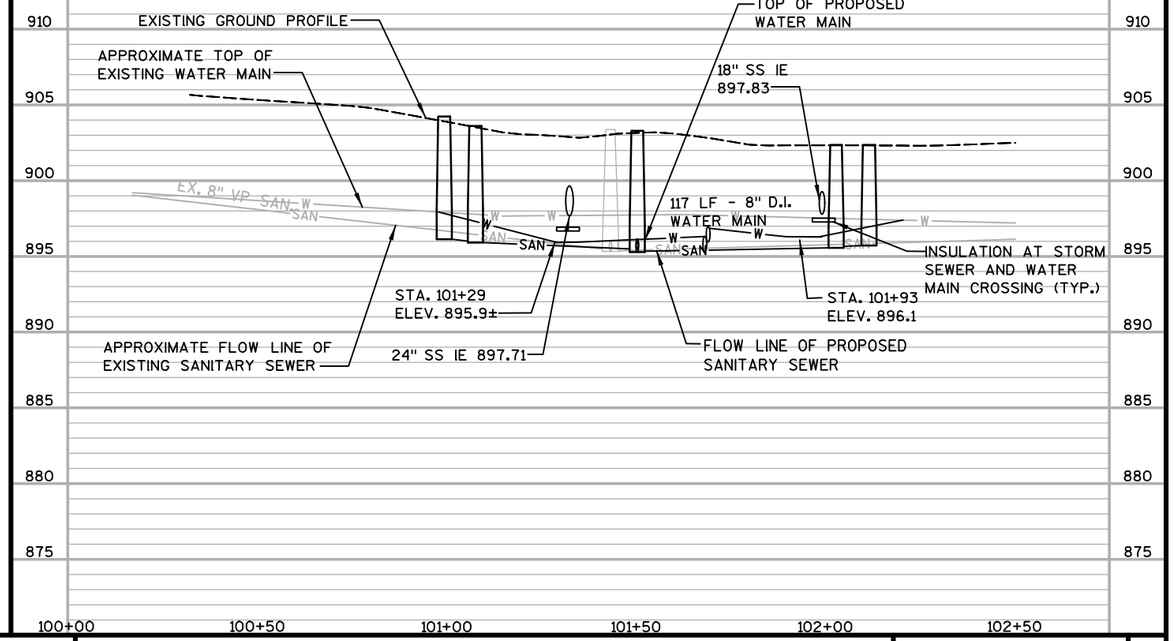
P. 101+55.14
Y: 482,437.87
X: 840,510.02

P. 103+00.00
Y: 482,582.73
X: 840,510.73



NOTES:

1. FIELD VERIFY ALL SANITARY AND WATER LATERAL LOCATIONS.
2. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE (VERIFY WITH OWNER).
3. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SIDEWALK SQUARES PER LATERAL).



PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN PLAN & PROFILES	SHEET W-13	E

ADDENDUM 1 - PEH

3

3

MISCELLANEOUS WATER MAIN ITEMS

STATION	OFFSET	70080 CUT-IN EXISTING WATER CONNECTION EACH	70040 FURNISH, INSTALL & SALVAGE HYDRANT EACH	70082 CUT OFF EXISTING WATER MAIN EACH	70081 FURNISH EXCAVATION & DITCH FOR LIVE TAP EACH	70090 ABANDON WATER VALVE BOX EACH	70104 ADJUST WATER VALVE BOX SECTION EACH	70030 FURNISH AND INSTALL WATER VALVE 4-INCH EACH	70031 6-INCH EACH	70032 8-INCH EACH	70034 12-INCH EACH	70035 16-INCH EACH
101+14.72	15.6'LT	---	---	1	---	---	---	---	---	---	---	---
101+15.15	14.0'LT	---	---	---	---	---	1	---	---	---	---	---
101+34.33	34.7'LT	---	1	---	---	---	---	---	---	---	---	---
101+34.51	17.9'LT	---	---	---	1	---	---	---	---	---	---	---
101+34.49	19.9'LT	---	---	---	---	---	---	---	1	---	---	---
101+50.59	17.8'LT	---	---	---	---	---	1	---	---	---	---	---
101+60.07	17.7'LT	1	---	---	---	---	---	---	---	---	---	---
101+80.07	17.6'LT	1	---	---	---	---	---	---	---	---	---	---
104+51.46	15.9'LT	1	---	---	---	---	---	---	---	---	---	1
104+53.77	15.9'LT	---	---	1	---	---	---	---	---	---	---	---
104+53.83	23.7'LT	---	---	---	---	1	---	---	---	---	---	---
104+56.42	15.9'LT	1	---	---	---	---	---	---	---	---	---	---
105+33.11	15.7'LT	---	---	---	1	---	---	---	---	---	---	---
105+33.10	17.7'LT	---	---	---	---	---	---	---	1	---	---	---
105+33.11	24.8'LT	---	1	---	---	---	---	---	---	---	---	---
105+47.01	15.7'LT	1	---	---	---	---	---	---	---	---	---	---
105+67.01	15.7'LT	1	---	---	---	---	---	---	---	---	---	---
108+81.04	14.5'LT	---	---	1	---	---	---	---	---	---	---	---
108+89.04	14.7'LT	1	---	---	---	---	---	---	---	---	---	---
108+89.05	11.7'LT	---	---	---	---	---	---	---	---	1	---	---
109+15.66	18.5'LT	---	---	---	---	---	---	---	---	1	---	---
109+21.96	15.4'LT	---	---	---	---	---	---	---	---	---	---	1
109+26.79	23.9'LT	---	---	---	---	1	---	---	---	---	---	---
109+21.88	15.7'LT	1	---	---	---	---	---	---	---	---	---	---
109+27.56	15.5'LT	---	---	1	---	---	---	---	---	---	---	---
111+87.70	15.4'LT	---	---	---	1	---	---	---	---	---	---	---
111+87.70	21.3'LT	---	---	---	---	---	---	---	1	---	---	---
111+87.70	24.3'LT	---	1	---	---	---	---	---	---	---	---	---
114+80.10	14.5'LT	1	---	---	---	---	---	---	---	---	---	---
115+06.54	14.6'LT	1	---	---	---	---	---	---	---	---	---	---
115+06.54	11.5'LT	---	---	---	---	---	---	---	1	---	---	---
115+06.54	37.7'RT	1	---	---	---	---	---	---	---	---	---	---
115+42.46	14.5'LT	---	---	---	1	---	---	---	---	---	---	---
115+42.49	17.4'LT	---	---	---	---	---	---	---	---	1	---	---
115+62.23	14.6'LT	1	---	---	---	---	---	---	---	---	---	1
115+64.78	21.9'LT	---	---	---	---	---	---	---	1	---	---	---
115+64.73	24.4'LT	---	1	---	---	---	---	---	---	---	---	---
115+66.61	23.2'LT	---	---	---	---	1	---	---	---	---	---	---
115+66.95	14.6'LT	---	---	1	---	---	---	---	---	---	---	---
115+71.94	14.6'LT	1	---	---	---	---	---	---	---	---	---	---
119+84.01	14.5'LT	1	---	---	---	---	---	---	---	---	---	---
120+16.01	14.6'LT	1	---	---	---	---	---	---	---	---	---	---
120+48.60	14.4'LT	1	---	---	---	---	---	---	---	---	---	---
120+52.63	11.5'LT	---	---	---	---	---	---	---	---	1	---	---
120+55.63	14.5'LT	1	---	---	---	---	---	---	---	---	---	1
124+19.80	14.2'LT	1	---	---	---	---	---	---	---	---	---	---
124+27.43	11.3'LT	---	---	---	---	---	---	---	---	1	---	---
124+27.44	17.4'LT	---	---	---	---	---	---	---	---	1	---	---
124+29.80	14.5'LT	1	---	---	---	---	---	---	---	---	---	---
124+56.63	15.1'LT	1	---	---	---	---	---	---	---	---	---	1
124+61.90	18.8'LT	---	---	---	---	1	---	---	---	---	---	---
SUBTOTALS		20	4	5	4	4	2	---	5	6	---	5

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MISCELLANEOUS WATER MAIN ITEMS CON'T

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN MISCELLANEOUS QUANTITIES	SHEET W-14	E

ADDENDUM 1 - PEH

MISCELLANEOUS WATER MAIN ITEMS CON'T

STATION	OFFSET	70080 CUT-IN EXISTING WATER CONNECTION EACH	70040 FURNISH, INSTALL & SALVAGE HYDRANT EACH	70082 CUT OFF EXISTING WATER MAIN EACH	70081 FURNISH EXCAVATION & DITCH FOR LIVE TAP EACH	70090 ABANDON WATER VALVE BOX EACH	70104 ADJUST WATER VALVE BOX SECTION EACH	70030 FURNISH AND INSTALL WATER VALVE 4-INCH EACH	70031 6-INCH EACH	70032 8-INCH EACH	70034 12-INCH EACH	70035 16-INCH EACH
124+66.81	15.2'LT	1	---	---	---	---	---	---	---	---	---	---
127+12.01	15.6'LT	1	---	---	---	---	---	---	---	---	---	---
127+18.58	15.7'LT	---	---	1	---	---	---	---	---	---	---	---
127+27.83	15.8'LT	1	---	---	---	---	---	---	---	---	---	---
127+27.84	12.8'LT	---	---	---	---	---	---	---	---	1	---	---
127+34.83	11.2'LT	---	---	---	---	---	---	---	---	1	---	---
127+32.47	5.5'LT	---	---	---	---	---	---	---	1	---	---	---
129+96.98	22.22'RT	---	1	---	---	---	---	---	---	---	---	---
129+97.99	1.6'RT	---	---	---	---	---	---	---	1	--	---	---
130+35.04	11.1'LT	---	---	1	---	---	---	---	---	--	---	---
130+35.06	10.3'LT	---	---	---	---	---	1	---	---	--	---	---
130+41.90	15.1'LT	1	---	---	---	---	---	---	---	--	1	---
130+41.21	0.9'LT	---	---	---	---	---	---	---	---	--	1	---
130+42.06	5.4'RT	---	---	---	---	---	---	---	---	--	1	---
130+44.53	2.2'RT	---	---	---	---	---	---	---	---	1	---	---
130+47.04	1.0'LT	1	---	---	---	---	---	---	---	---	---	---
130+47.95	5.2'RT	1	---	---	---	---	---	---	---	---	---	---
130+57.49	13.5'LT	---	---	---	---	---	1	---	---	---	---	---
132+88.05	17.1'LT	---	---	---	---	---	1	---	---	---	---	---
133+32.45	9.7'LT	---	---	---	---	1	---	---	---	---	---	---
133+32.84	20.0'LT	---	---	---	---	---	1	---	---	---	---	---
133+32.90	17.6'LT	1	---	1	---	---	---	---	---	---	---	---
135+78.09	15.0'LT	---	---	---	---	---	---	---	---	---	1	---
136+16.90	17.1'LT	---	---	---	---	---	---	---	1	---	---	---
136+16.90	25.6'LT	---	1	---	---	---	---	---	---	---	---	---
138+67.47	3.0'LT	---	---	---	---	1	---	---	---	---	---	---
138+99.14	15.0'LT	---	---	---	---	---	---	---	---	---	1	---
141+67.37	8.3'LT	---	---	---	---	1	---	---	---	---	---	---
142+24.53	15.0'LT	---	---	---	---	---	---	---	---	---	1	---
142+50.48	17.5'LT	---	---	---	---	---	---	---	1	---	---	---
142+50.50	25.4'LT	---	1	---	---	---	---	---	---	---	---	---
143+62.56	6.8'LT	---	---	---	---	1	---	---	---	---	---	---
143+94.05	8.9'LT	---	---	1	---	---	---	---	---	---	---	---
143+96.94	8.6'LT	---	---	---	---	---	---	---	1	---	---	---
143+98.87	8.6'LT	1	---	---	---	---	---	---	---	---	---	---
145+77.00	43'RT	---	---	---	---	---	---	---	---	---	1	---
145+78.87	48.7'LT	---	---	---	---	---	1	---	---	---	---	---
145+79.22	43.1'RT	1	---	1	---	---	---	---	---	---	---	---
10+93.53	3.6'RT	1	---	---	---	---	---	---	---	1	---	---
10+95.91	3.6'RT	---	---	1	---	---	---	---	---	---	---	---
11+06.84	22.2'RT	1	---	---	---	---	---	---	---	---	---	---
11+11.15	4.2'RT	---	---	---	---	---	---	1	---	---	---	---
11+07.16	5.8'RT	---	---	---	---	1	---	---	---	---	---	---
11+81.47	16.1'RT	---	1	---	---	---	---	---	---	---	---	---
11+81.66	2.8'RT	---	---	---	---	---	---	---	1	---	---	---
11+86.49	3.9'RT	---	---	---	---	1	---	---	---	---	---	---
11+86.41	5.5'RT	---	---	1	---	---	---	---	---	---	---	---
11+89.50	13.9'LT	---	---	---	---	1	---	---	---	---	---	---
12+71.56	16.2'RT	---	---	1	---	---	---	---	---	---	---	---
12+73.58	16.2'RT	1	---	---	---	---	---	---	---	---	---	---
31+33.13	12.3'RT	1	---	---	---	---	---	1	---	---	---	---
31+36.05	12.4'RT	---	---	1	---	---	---	---	---	---	---	---
31+43.83	10.3'LT	---	---	---	---	---	---	---	1	---	---	---
31+43.83	22.4'RT	---	1	---	---	---	---	---	---	---	---	---
40+91.05	1.0'RT	1	---	1	---	---	---	---	---	---	---	---
SUBTOTALS		14	5	10	---	7	5	2	7	4	7	---

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN MISCELLANEOUS QUANTITIES	SHEET W-15	E

ADDENDUM 1 - PEH

MISCELLANEOUS WATER MAIN ITEMS CON'T

STATION	OFFSET	70080 CUT-IN EXISTING WATER CONNECTION EACH	70040 FURNISH, INSTALL & SALVAGE HYDRANT EACH	70082 CUT OFF EXISTING WATER MAIN EACH	70081 FURNISH EXCAVATION & DITCH FOR LIVE TAP EACH	70090 ABANDON WATER VALVE BOX EACH	70104 ADJUST WATER VALVE BOX SECTION EACH	70030 FURNISH AND INSTALL WATER VALVE 4-INCH EACH	70031 6-INCH EACH	70032 8-INCH EACH	70034 12-INCH EACH	70035 16-INCH EACH
41+03.37	2.0'LT	---	---	---	---	1	---	---	---	---	---	---
41+05.94	7.2'LT	---	---	---	---	---	---	---	1	---	---	---
41+05.95	26.0'RT	---	1	---	---	---	---	---	---	---	---	---
41+76.31	8.6'LT	---	---	---	---	1	---	---	---	---	---	---
42+03.39	8.9'RT	1	---	1	---	---	---	---	---	---	---	---
50+36.58	8.2'RT	---	1	---	---	---	---	---	---	---	---	---
50+92.53	5.7'LT	---	---	---	---	1	---	---	---	---	---	---
51+06.64	7.7'RT	---	---	1	---	---	---	---	---	---	---	---
51+25.31	7.7'RT	1	---	---	---	---	---	---	---	1		---
61+16.63	13.2'RT	1	---	---	---	---	---	---	---	---	---	---
61+19.52	16.7'RT	---	---	---	---	1	---	---	---	---	---	---
61+24.14	13.8'RT	1	---	---	---	---	---	---	---	---	---	1
70+99.07	3.7'LT	---	---	---	---	---	1	---	---	---	---	---
71+09.45	9.1'LT	---	---	---	---	---	1	---	---	---	---	---
80+94.80	26.0'RT	---	---	---	---	---	1	---	---	---	---	---
80+98.41	3.0'LT	---	---	---	---	---	1	---	---	---	---	---
80+98.70	2.2'LT	---	---	1	---	---	---	---	---	---	---	---
81+01.11	7.8'RT	---	---	---	---	---	1	---	---	---	---	---
81+07.96	8.0'RT	1	---	---	---	---	---	---	---	---	---	---
81+59.24	11.6'LT	---	---	---	---	---	---	---	---	1	---	---
81+71.01	2.5'RT	---	---	---	---	1	---	---	---	---	---	---
81+82.26	14.2'RT	---	---	---	---	---	---	---	1	---	---	---
81+82.49	23.3'RT	---	1	---	---	---	---	---	---	---	---	---
81+98.66	2.8'RT	1	---	1	---	---	---	---	---	---	---	---
90+81.52	8.1'LT	1	---		---	---	---	---	---	---	---	---
90+83.95	8.1'LT	---	---	---	---	---	---	---	---	---	---	---
91+01.44	7.6'LT	---	---	---	---	1	---	---	---	---	---	---
91+50.35	1.0'LT	---	---	---	---	---	---	---	---	1	---	---
91+60.33	0.8'LT	---	---	---	---	---	---	---	---	1	---	---
91+63.56	6.5'LT	---	---	---	---	1	---	---	---	---	---	---
91+74.34	2.6'RT	---	---	---	---	---	---	---	1	---	---	---
91+74.25	19.0'RT	---	1	---	---	---	---	---	---	---	---	---
91+94.16	5.0'LT	1	---	1	---	---	---	---	---	---	---	---
100+99.41C	4.8'RT	1	---	---	---	---	---	---	---	---	---	---
101+03.00	4.8'RT	---	---	1	---	---	---	---	---	---	---	---
101+14.81C	5.1'RT	---	---	---	---	1	---	---	---	---	---	---
101+63.18C	16.4'RT	---	---	---	---	---	---	---	---	1	---	---
101+74.01C	10.4'RT	---	---	---	---	---	---	---	---	1	---	---
101+89.72C	6.7'RT	---	---	---	---	1	---	---	---	---	---	---
102+14.71	6.7'RT	---	---	1	---	---	---	---	---	---	---	---
102+17.15C	6.7'RT	1	---	---	---	---	---	---	---	---	---	---
SUBTOTALS		10	4	7	---	9	5	---	3	6	---	1
TOTALS		44	13	22	4	20	12	2	15	16	7	6

50202
TYPE II DEWATERING

PROJECT ID	LS
UNDISTRIBUTED	1
*ADDITIONAL QUANTITIES LISTED ELSEWHERE	

50801
UTILITY LINE OPENING (ULO)

LOCATION	EACH
UNDISTRIBUTED	~~5~~ 3
*ADDITIONAL QUANTITIES LISTED ELSEWHERE	
W-3	1
W-8	1

70106
ROCK EXCAVATION

LOCATION	CY
UNDISTRIBUTED	~~30~~ 50
*ADDITIONAL QUANTITIES LISTED ELSEWHERE	

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN MISCELLANEOUS QUANTITIES	SHEET W-16	E

ADDENDUM 1 - PEH

3

WATER MAIN PIPES

STATION	- STATION	70001 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 4-INCH LF	70002 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 6-INCH LF	70003 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 8-INCH LF	70005 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 12-INCH LF	70006 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 16-INCH LF
101+32.01	- 101+37.01	---	---	---	---	5
	101+34.51	---	17	---	---	---
101+60.07	- 101+80.07	---	---	---	---	20
104+51.46	- 104+56.42	---	---	---	---	5
105+30.62	- 105+35.62	---	---	---	---	5
	105+33.11	---	9	---	---	---
105+47.01	- 105+69.01	---	---	---	---	22
108+89.03	- 109+21.96	---	---	---	---	33
111+85.20	- 111+90.20	---	---	---	---	5
	111+87.70	---	9	---	---	---
114+80.10	- 115+06.54	---	---	---	---	31
115+62.23	- 115+71.94	---	---	---	---	10
	115+64.75	---	10	---	---	---
119+84.01	- 120+16.01	---	---	---	---	32
120+48.60	- 120+55.60	---	---	---	---	7
124+19.80	- 124+29.80	---	---	---	---	10
124+56.63	- 124+66.81	---	---	---	---	10
127+12.01	- 127+27.83	---	---	---	---	16
127+32.51	- 129+98.16	---	---	265	---	---
	129+98.14	---	24	---	---	---
129+98.16	- 130+47.51	---	---	50	---	---
133+32.90	- 135+67.21	---	---	---	235	---
135+67.21	- 135+90.05	---	---	---	23	---
135+90.05	- 136+16.90	---	---	---	27	---
	136+16.90	---	11	---	---	---
136+16.90	- 138+94.14	---	---	---	278	---
138+94.14	- 142+20.78	---	---	---	327	---
142+20.79	- 142+28.06	---	---	---	8	---
148+28.08	- 142+50.51	---	---	---	23	---
	142+50.51	---	11	---	---	---
142+50.51	- 143+94.67	---	---	---	145	---
	143+94.76	---	5	---	---	---
143+94.67	- 145+79.22	---	---	---	246	---
10+93.53	- 10+96.01	---	---	13	---	---
10+94.51	- 11+11.12	---	---	17	---	---
	11+11.12	34	---	---	---	---
11+11.12	- 11+81.51	---	---	71	---	---
	11+81.51	---	23	---	---	---
11+81.51	- 12+38.45	---	---	57	---	---
12+38.78	- 12+73.41	---	---	35	---	---
12+71.56	12+73.58	---	---	8	---	---
20+57.05	- 21+09.25	---	53	---	---	---
21+09.17	- 21+47.34	---	---	39	---	---
31+34.73	- 31+36.29	---	---	3	---	---
	31+36.29	23	---	---	---	---
31+36.29	- 31+43.66	---	---	8	---	---
	31+43.66	---	15	---	---	---
31+43.66	- 31+97.22	---	---	54	---	---
40+89.84	- 40+91.05	---	---	2	---	---
	40+91.05	---	5	---	---	---
40+91.05	- 41+06.06	---	---	15	---	---
	41+06.06	---	22	---	---	---
41+06.06	- 42+04.78	---	---	100	---	---
	SUBTOTALS	57	214	737	1,312	211

CON'T ON NEXT COLUMN

STATION	- STATION	70001 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 4-INCH LF	70002 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 6-INCH LF	70003 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 8-INCH LF	70005 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 12-INCH LF	70006 FURNISH AND INSTALL WATER MAIN PIPE AND FITTINGS 16-INCH LF
	42+04.78	---	5	---	---	---
50+36.62	- 50+68.61	---	32	---	---	---
50+63.21	- 50+76.51	---	---	18	---	---
50+68.61	- 51+25.62	---	---	59	---	---
60+93.86	- 61+74.46	---	---	---	85	---
61+16.63	- 61+24.14	---	---	---	---	8
61+53.36	- 61+59.60	---	---	---	---	7
81+07.96	- 81+51.29	---	---	44	---	---
81+54.25	- 81+82.19	---	---	28	---	---
	81+82.19	---	12	---	---	---
81+82.19	- 81+97.85	---	---	16	---	---
	81+95.79	---	17	---	---	---
90+81.52	- 90+83.81	---	8	---	---	---
90+82.11	- 91+92.56	---	---	111	---	---
	91+74.34	---	20	---	---	---
91+91.38	- 91+94.16	---	8	---	---	---
100+99.51C	- 101+68.43	---	---	69	---	---
100+99.41C	- 101+02.48C	---	8	---	---	---
101+69.06C	- 102+16.72C	---	---	47	---	---
102+14.68	- 102+17.15C	---	8	---	---	---
	SUBTOTALS	0	118	392	85	15
	TOTALS	57	332	1,129	1,397	226

3

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN MISCELLANEOUS QUANTITIES	SHEET W-17	E

ADDENDUM 1 - PEH

3

3

WATER SERVICES SUMMARY

STATION	OFFSET	70056 RECONNECT 1-INCH SERVICE LATERAL EACH
101+65.11	17.7'LT	1
120+06.19	14.5'LT	1
124+61.78	15.2'LT	1
127+58.56	11.3'LT	1
128+49.18	9.9'LT	1
128+75.46	8.8'LT	1
129+70.92	3.9'LT	1
129+89.33	1.7'LT	1
133+42.95	16.5'LT	1
134+04.81	15.0'LT	1
134+14.10	15.0'LT	1
134+49.15	15.0'LT	1
134+61.51	15.0'LT	1
135+33.05	15.0'LT	1
136+40.81	15.0'LT	1
136+91.62	15.0'LT	1
137+12.74	15.0'LT	1
137+46.62	15.0'LT	1
137+78.12	15.0'LT	1
137+82.51	15.0'LT	1
138+51.08	15.0'LT	1
139+54.26	15.0'LT	1
139+56.90	15.0'LT	1
140+06.84	15.0'LT	1
140+15.92	15.0'LT	1
140+55.03	15.0'LT	1
141+10.21	15.0'LT	1
141+38.80	15.0'LT	1
143+45.97	15.0'LT	1
143+73.00	15.0'LT	1
11+25.68	6.9'LT	1
31+39.52	7.3'LT	1
51+09.24	8.0'RT	1
101+18.51	11.0'RT	1
TOTAL		34

70101
FURNISH & INSTALL INSULATION

STATION (CENTER)	LF
102+08.18	6
105+55.83	6
109+05.00	6
109+43.23	6
112+19.41	6
~~117+50.79~~	
120+00.04	6
121+10.68	6
127+47.58	6
135+95.02	6
138+48.28	6
141+64.92	6
142+38.68	6
143+94.83	6
145+50.53	6
12+09.42	6
12+60.91	6
21+32.03	6
31+62.60	6
41+81.50	6
50+96.67	6
61+42.11	6
81+16.75	6
81+75.14	6
91+17.22	6
101+32.10c	6
~~101+99.62c~~	~~1~~
~~UNDISTRIBUTED~~	~~20~~
TOTAL	~~171~~ 200

USE 8-FT BOARDS,
NOT 6-FT BOARDS

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	WATER MAIN MISCELLANEOUS QUANTITIES	SHEET W-18	E

ADDENDUM 1 - PEH

BUCKEYE ROAD
RECONSTRUCTION - 2018

W-19

PROJECT NO. 10228
WATER IMPACT PLAN

CITY OF MADISON

LAKE EDGE BLVD

MONONA CT

DAVIES ST

JEROME ST

MONONA DR

BUCKEYE RD

BUCKEYE RD

CUT-IN CONNECTIONS (W-1)

CUT-IN CONNECTIONS (W-1)

CUT-IN CONNECTION (W-9)

CUT-IN CONNECTIONS (W-2)

CUT-IN CONNECTION (W-9)

SEE W-20

V-1

V-2

V-3

V-4

V-5

V-5

V-7A

V-7B

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

ADDENDUM 1 - PEH

BUCKEYE ROAD
RECONSTRUCTION - 2019

W-20

PROJECT NO. 10228
WATER IMPACT PLAN

CITY OF MADISON

HEGG AVE

HEGG AVE

MONONA CT

DAVIES ST

LAKEVIEW AVE

BUCKEYE RD

BUCKEYE RD

QUAKER CIR

JEROME ST

W LAKEVIEW AVE

SEE W-21

CUT-IN CONNECTIONS (W-4)

SEE W-19

CUT-IN CONNECTIONS (W-3)

CUT-IN CONNECTION (W-10)

V-2

V-3

V-4

V-5

V-6

V-28

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

ADDENDUM 1 - PEH

BUCKEYE ROAD
RECONSTRUCTION - 2019

W-21

PROJECT NO. 10228
WATER IMPACT PLAN

CITY OF MADISON

HEGG AVE

DEAD END

W LAKEVIEW AVE

MORNINGSIDE AVE

CUT-IN CONNECTION (W-10)

CUT-IN CONNECTIONS (W-4)

CUT-IN CONNECTIONS (W-3)

CUT-IN CONNECTION (W-11)

CLOSED

SEE W-22

CLOSED

BUCKEYE RD

BUCKEYE RD

BUCKEYE RD

V-2A

V-6

V-4

V-3

V-8

V-5478

V-7

V-10

V-3

V-2B

V-20

SEE W-20

QUAKER CIR

DEAD END

W LAKEVIEW AVE

CUT-IN CONNECTIONS (W-5)

CUT-IN CONNECTIONS (W-5)

SEE W-20

CUT-IN CONNECTIONS (W-6)

SPAANEM AVE

CLOSED

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

ADDENDUM 1 - PEH

BUCKEYE ROAD
RECONSTRUCTION - 2019

W-22

PROJECT NO. 10228
WATER IMPACT PLAN

CITY OF MADISON

BUCKEYE RD

BUCKEYE RD

SHAFFER AVE

SPAANEM AVE

TURNER AVE

MAHER AVE

CAMDEN RD

MIDDLEBURY PL

SPAANEM
WATER TANK

V-4
V-10
V-3
V-20
V-22
V-23
V-5108
V-5109
V-9
V-3851
V-1820
V-31
V-5097
V-19

CLOSED

CONNECT TO EX WM/
CUT OFF EX WM (W-3)

SEE W-21

SEE W-23

SEE W-23

SEE W-23

SEE W-23

CUT-IN CONNECTIONS (W-11)

CUT-IN CONNECTION (W-12)

CUT-IN CONNECTION (W-13)

CUT-IN CONNECTION (W-13)

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

ADDENDUM 1 - PEH

BUCKEYE ROAD RECONSTRUCTION - 2019 | W-23

PROJECT NO. 10228
WATER IMPACT PLAN

CITY OF MADISON

MAJOR AVE

TURNER AVE

MAHER AVE

CAMDEN RD

S STOUGHTON RD

BLOSSOM LN

BUCKEYE RD

V-3083 V-9 V-10 V-6 V-7 V-8 V-17 V-16 V-11 V-13 V-3851 V-9 V-2 V-7 V-11 V-19

CUT-IN CONNECTION (W-12)

CUT-IN CONNECTION (W-13)

CUT-IN CONNECTION (W-13)

CUT-IN CONNECTION (W-3)

DEAD END

CUT-IN CONNECTION (W-8)

SEE W-22

SEE W-22

CUT-IN CONNECTION (W-13)

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

Revised 4/26/19 EDH
-Storm Sewer revised

E. LAKEVIEW AVE.

MORNINGSIDE AVE.

W. LAKEVIEW AVE.

BUCKEYE RD.

MATCHLINE STA. 124+00

MATCHLINE STA. 130+00

HH13
9660-SLC2-1A-T1
(2) - 3"

9661-SLC2-1A-T1
HH16

9662-SLC2-3M-T1

HH17

(2) - 3"

HH14

HH15

HH18
(1) - 2"

125+00
126+00
127+00
128+00
129+00

LEGEND

- CONDUIT FOR SL (1) - 2" UNLESS NOTED AS OTHER
- CONDUITS FOR COMM. (2) - 3" UNLESS NOTED AS OTHER
- STREET LIGHT: LB-3 BASE, 30' POLE POLE#-SLC#-CIRCUIT-FIXTURE TYPE
- G BASE
- LB-8 BASE
- TYPE M CONTROL CABINET BASE
- HANDHOLE TYPE 1
- HANDHOLE TYPE 5

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET LIGHTING AND ELECTRICAL	SHEET E-5	E

Revised 4/26/19 EDH
-Driveway, handhole, and light pole locations adjusted.

LEGEND

- CONDUIT FOR SL (1) - 2" UNLESS NOTED AS OTHER
- CONDUITS FOR COMM. (2) - 3" UNLESS NOTED AS OTHER
- STREET LIGHT: LB-3 BASE, 30' POLE POLE#-SLC#-CIRCUIT-FIXTURE TYPE
- G BASE
- LB-8 BASE
- TYPE M CONTROL CABINET BASE
- HANDHOLE TYPE 1
- HANDHOLE TYPE 5

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	STREET LIGHTING AND ELECTRICAL	SHEET E-8	E

Revised 4/26/19 EDH
-Handhole and light pole locations adjusted.

3

3

LIGHTING CONDUIT AND WIRE

FROM	TO	60232 SCHEDULE 40 2" (LF)	60230 SCHEDULE 80 2" (LF)	60241 GOPHER (LF)
ESLCB	HH1	109	75	75
HH1	HH2	-	50	-
9646	HH2	52	-	-
HH2	9647	85	15	-
9647	9648	104	45	-
9648	9649	149	15	-
9649	9650	136	30	-
HH3	HH28	-	44	-
HH28	DFB1	9	-	-
9650	HH4	26	32	-
SLC1	HH4	58	-	-
HH4	9651	96	32	-
9651	HH6	142	-	-
TS1	HH6	19	-	-
HH6	HH7	-	42	-
TS2	HH7	14	-	-
HH6	9652	9	-	-
9652	9653	138	48	-
9653	9654	112	76	-
9654	9655	188	-	-
9655	9656	97	55	-
9656	9657	135	20	-
9657	9658	109	36	-
9658	9659	104	42	-
9659	9660	98	50	-
9660	9661	198	14	-
9661	9662	106	48	-
9662	HH17	137	17	-
HH17	HH18	-	44	-
HH18	9663	22	-	-
HH17	9664	140	-	-
9664	9665	139	25	-
9665	9666	119	45	-
9666	SLC2	122	-	-
SLC2	9667	19	60	-
9667	9668	130	14	-
9668	HH20	54	22	-
HH20	HH21	-	22	-
HH21	HH22	-	26	-
HH20	TS3	14	-	-
HH21	TS4	-	14	-
HH22	TS5	24	-	-
TS3	9669	28	56	-
9669	HH23	24	-	-
HH23	9670	131	13	-
9670	9671	91	77	-
9671	9672	128	15	-
9672	9673	106	46	20
TOTALS		3,721	1,265	95

CONDUIT FIBER

FROM	TO	60224 SCHEDULE 40 3" (LF)	60222 SCHEDULE 80 3" (LF)	60261 ELECTRICAL TRENCH (LF)	60241 GOPHER (LF)
ESLCB	HH1	218	150	368	150
HH1	HH2	-	96	96	-
HH2	HH3	694	184	878	-
HH3	HH4	278	100	378	-
HH4	HH5	-	106	106	-
HH4	HH6	474	64	538	-
HH6	HH7	-	84	84	-
HH6	HH8	732	248	980	-
HH8	HH9	770	222	992	-
HH9	HH10	308	84	392	-
HH10	HH11	-	50	50	-
HH11	HH12	-	52	52	-
HH10	HH13	108	100	208	-
HH13	HH14	-	52	52	-
HH14	HH15	-	50	50	-
HH13	HH16	400	28	428	-
HH16	HH17	474	130	604	-
HH17	HH18	-	88	88	-
HH17	HH30	430	90	520	-
HH30	HH19	310	88	398	-
HH30	HH31	-	84	84	-
HH19	HH20	576	192	768	-
HH20	HH21	-	52	52	-
HH21	HH22	-	52	52	-
HH20	HH23	120	112	232	-
HH23	HH24	-	52	52	-
HH24	HH25	-	52	52	-
HH23	HH26	704	210	914	-
HH26	HH27	341	92	433	20
HH26	HH29	-	138	138	-
UNDISTRIBUTED		-	-	250	-
TOTALS		6,937	3,102	10,289	170

PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	MISCELLANEOUS QUANTITIES - STREET LIGHTING AND ELECTRICAL	SHEET E-9	E

Revised 4/26/19 EDH
-Handhole and light pole locations adjusted.

3

3

ELECTRICAL HANDHOLES

STRUCTURE	STATION	OFFSET	60702 TYPE I EACH	60704 TYPE III EACH	60706 TYPE V EACH
HH1	103+17.2	24.1' RT	-	-	1
HH2	103+16.8	24.5' LT	-	-	1
HH3	107+54.6	22.3' LT	1	-	-
HH4	109+41.7	25.8' LT	-	-	1
HH5	109+40.4	25.8' RT	1	-	-
HH6	112+06.3	20.0' LT	-	-	1
HH7	112+06.3	20.1' RT	1	-	-
HH8	116+88.1	25.9' LT	1	-	-
HH9	121+82.4	22.3' LT	1	-	-
HH10	123+76.1	23.8' LT	-	-	1
HH11	123+76.1	0	1	-	-
HH12	123+76.1	24.3' RT	1	-	-
HH13	124+79.1	23.8' LT	-	-	1
HH14	124+79.1	0	1	-	-
HH15	124+79.1	24.0' RT	1	-	-
HH16	126+87.4	23.0' LT	1	-	-
HH17	129+93.8	23.7' LT	-	-	1
HH18	129+93.1	17.7' RT	1	-	-
HH19	134+58.6	23.0' LT	1	-	-
HH20	138+39.0	23.6' LT	-	-	1
HH21	138+39.0	0	1	-	-
HH22	138+39.6	24.2' RT	1	-	-
HH23	139+54.1	23.8' LT	-	-	1
HH24	139+54.1	0	1	-	-
HH25	139+54.1	24' RT	1	-	-
HH26	143+93.9	29.8' LT	1	-	-
HH27	145+55.0	29.7' LT	1	-	-
HH28	107+54.5	23.2' RT	1	-	-
HH29	143+91.4	34.7' RT	1	-	-
HH30	132+59.6	16.6' LT	1	-	-
HH31	132+59.6	23.8' RT	1	-	-
UNDISTRIBUTED			-	2	-
TOTALS			22	2	9

RECTANGULAR RAPID FLASHING BEACON SYSTEM
FRANK ALLIS ELEMENTARY CROSSING

STRUCTURE	STATION	OFFSET	**60407 CONCRETE BASES TYPE LB-8 EACH	60409 CONCRETE BASES OFFSET EACH
TS1	111+89.6	25.2' LT	1	-
			-	-
			-	-
			-	-
TS2	111+99.1	25.5' RT	1	-
			-	-
			-	-
			-	-
UNDISTRIBUTED			-	1
TOTALS			2	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE
**CONSTRUCT LB-8 BASE MODIFIED TO HAVE 11.5-INCH BOLT CIRCLE

RECTANGULAR RAPID FLASHING BEACON SYSTEM
BUCKEYE ROAD & MAHER AVENUE

STRUCTURE	STATION	OFFSET	60411 CONCRETE BASES TYPE G EACH	60409 CONCRETE BASES OFFSET EACH
TS3	138+51.0	25.7' LT	1	-
			-	-
TS4	138+51.1	0'	1	-
			-	-
			-	-
			-	-
TS5	138+61.8	24.8' RT	1	-
			-	-
UNIDSTRIBUTED			-	1
TOTALS			3	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

Revised 4/26/19 EDH
-Handhole and light pole locations adjusted.

LIGHTING CONTROL

STRUCTURE	STATION	OFFSET	60412 M BASE EACH	COMMENTS
SLC1	109+24.6	69.2'LT	1	-
SLC2	135+53.8	45.3'LT	1	-
ESLC	101+38.7	28.4'RT	-	EXISTING
TOTAL			2	

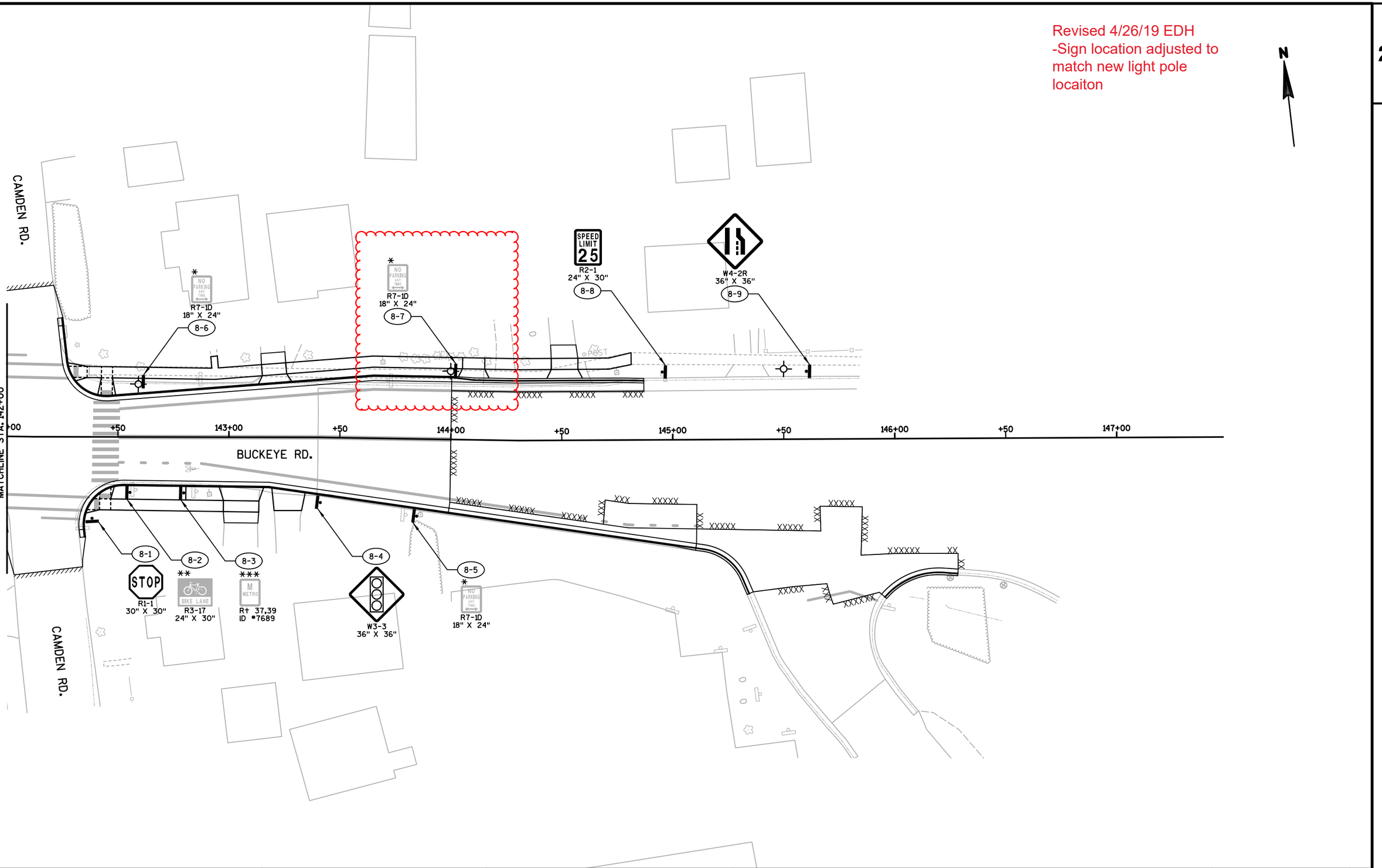
ESLC EXISTING STREET LIGHT CABINET - BUCKEYE+MONONA

STREET LIGHTING

STRUCTURE	STATION	OFFSET	*60411 CONCRETE BASES TYPE G EACH	**60403 CONCRETE BASES TYPE LB-3 EACH	**60407 CONCRETE BASES TYPE LB-8 EACH
9646	102+67.3	26.5'LT	-	1	-
9647	104+14.4	25.6'LT	-	1	-
9648	105+60.8	24.8'LT	-	1	-
9649	107+23.2	24.0'LT	-	1	-
9650	108+86.3	24.8'LT	-	1	-
9651	110+67.5	25.7'LT	-	1	-
9652	112+12.4	24.3'LT	-	1	-
9653	113+96.4	26.2'LT	-	1	-
9654	115+79.6	24.8'LT	-	1	-
9655	117+49.0	25.2'LT	-	1	-
9656	118+99.6	24.8'LT	-	1	-
9657	120+53.1	25.2'LT	-	1	-
9658	121+95.2	23.0 LT	-	1	-
9659	123+40.1	23.9'LT	-	1	-
9660	124+85.7	25.0'LT	-	1	-
9661	126+94.4	23.9'LT	-	1	-
9662	128+48.0	22.9'LT	-	1	-
9663	130+07.9	23.7'RT	-	1	-
9664	131+38.5	27.2'LT	-	1	-
9665	132+91.3	21.1'LT	-	1	-
9666	134+49.9	25.2'LT	-	1	-
9667	136+25.6	25.5'LT	-	1	-
9668	137+66.5	25.1'LT	-	1	-
9669	139+33.1	26.3'LT	-	1	-
9670	140+92.2	26.6'LT	-	1	-
9671	142+59.2	23.8'LT	-	1	-
9672	143+99.5	30.8'LT	-	1	-
9673	145+50.1	31.7'LT	-	1	-
DFB1	107+59.4	23.4'RT	-	-	1
UNDISTRIBUTED			1	-	2
TOTALS			1	28	3

*ADDITIONAL QUANTITIES LISTED ELSEWHERE
**CONSTRUCT LB-3 AND LB-8 BASES MODIFIED TO HAVE 11.5-INCH BOLT CIRCLE

Revised 4/26/19 EDH
-Sign location adjusted to match new light pole locaiton



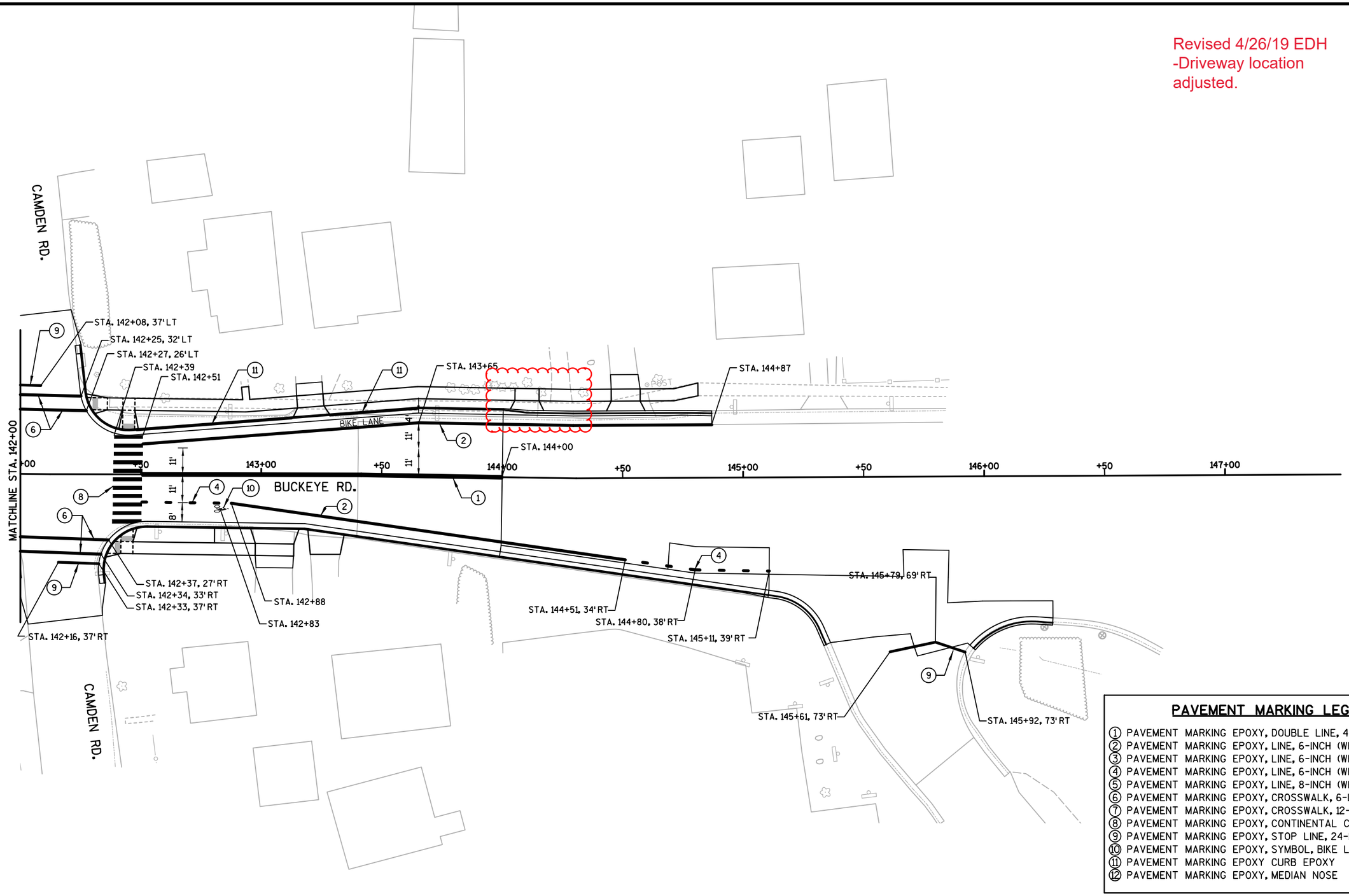
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PERMANENT SIGNING	SHEET PS-8	E

Revised 4/26/19 EDH
-Sign location adjusted to match new light pole locaiton

PERMANENT SIGNING SUMMARY (CONT'D)

SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	90036 SIGNS TYPE II REFLECTIVE H SF	90037 SIGNS TYPE II REFLECTIVE F SF	90033 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	90032 PRECAST SIGN POST BASE EACH	90034 SIGN POST LF	90035 REFLECTIVE SIGN POST LF	REMARKS
7 - 20	141+85	LT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
7 - 21	138+60	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON POLE
7 - 22	138+60	RT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL ON POLE BELOW SIGN 7-21
7 - 23	138+60	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON POLE
7 - 24	138+60	RT	W16-7R	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL ON POLE BELOW SIGN 7-23
7 - 25	138+50	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON POLE
7 - 26	138+50	LT	W16-7R	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL ON POLE BELOW SIGN 7-25
7 - 27	138+50	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	---	---	---	INSTALL ON POLE
7 - 28	138+50	LT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	2.00	---	---	---	---	INSTALL ON POLE BELOW SIGN 7-27
8 - 1	142+40	RT	R1-1	STOP	30 x 30	5.18	---	---	1	10	---	
8 - 2	142+55	RT	R3-17	BIKE LANE (BIKE SYMBOL)	24 x 30	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND POST. SIGN PROVIDED AND INSTALLED BY OTHERS
8 - 3	142+80	RT	---	MADISON METRO BUS STOP	--- x ---	---	---	---	---	---	---	SIGN, POST AND BASE PROVIDED AND INSTALLED BY OTHERS
8 - 4	143+40	RT	W3-3	SIGNAL AHEAD	36 x 36	---	9.00	---	1	---	12	
8 - 5	143+85	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	1	---	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE. SIGN AND POST PROVIDED AND INSTALLED BY OTHERS
8 - 6	142+60	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
8 - 7	144+05	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON LIGHT POLE; SIGN PROVIDED AND INSTALLED BY OTHERS
8 - 8	144+95	LT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	1	---	10	
8 - 9	145+60	LT	W4-2R	LANE REDUCTION TRANSITION SYMBOL - RIGHT	36 x 36	---	9.00	---	1	---	12	
				SHEET TOTALS		15.36	51.00	0	7	20	44	
				TOTALS		149.40	130.00	12	69	140	384	

Revised 4/26/19 EDH
-Driveway location
adjusted.

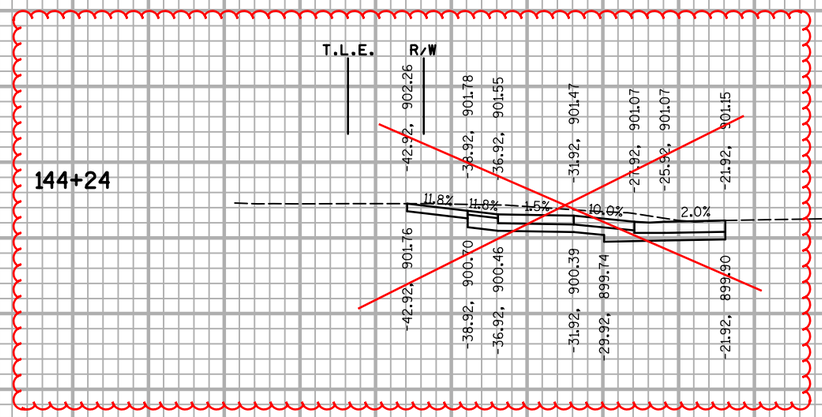


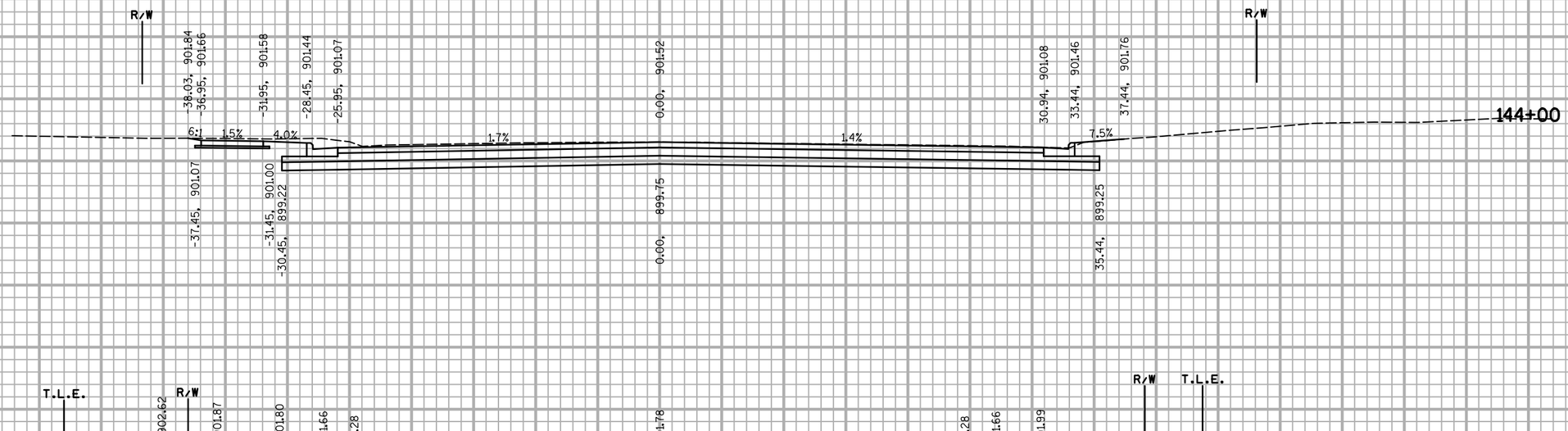
PAVEMENT MARKING LEGEND

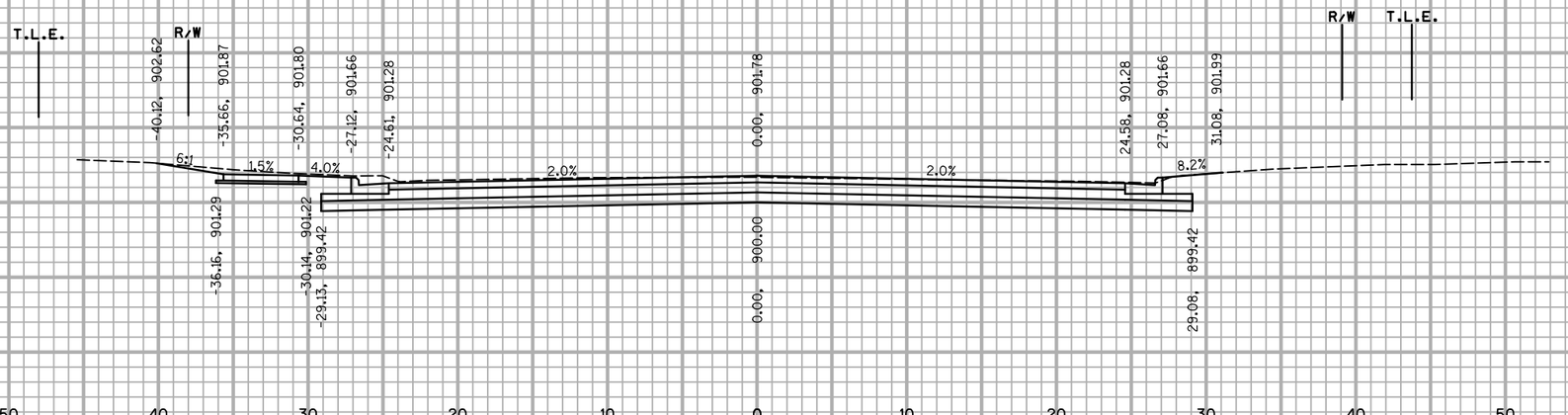
1. PAVEMENT MARKING EPOXY, DOUBLE LINE, 4-INCH (YELLOW)
2. PAVEMENT MARKING EPOXY, LINE, 6-INCH (WHITE)
3. PAVEMENT MARKING EPOXY, LINE, 6-INCH (WHITE SKIP, 5' LINE 5' GAP)
4. PAVEMENT MARKING EPOXY, LINE, 6-INCH (WHITE SKIP, 2' LINE 6' GAP)
5. PAVEMENT MARKING EPOXY, LINE, 8-INCH (WHITE)
6. PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH (WHITE)
7. PAVEMENT MARKING EPOXY, CROSSWALK, 12-INCH (WHITE)
8. PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH (WHITE)
9. PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH (WHITE)
10. PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE (WHITE)
11. PAVEMENT MARKING EPOXY CURB EPOXY
12. PAVEMENT MARKING EPOXY, MEDIAN NOSE

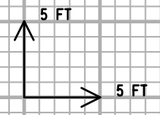
PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	PAVEMENT MARKING	SHEET PM-8	E

Driveway moved to
STA. 144+10 LT









PROJECT NO: 10228	HWY: BUCKEYE ROAD	COUNTY: DANE	CROSS SECTIONS: BUCKEYE ROAD	SHEET X-44	E

FILE NAME : S:\MAD\1000--1099\1020\082\Micros\Plan\090201_xs.dgn PLOT DATE : 4/26/2019 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

SECTION E: BIDDERS ACKNOWLEDGEMENT

CONTRACT TITLE BUCKEYE RD

CONTRACT NO. 8277

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 - 2019 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 to the Contract Nos. ____**1**__ through ___**1**___ issued thereto, 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 _CAPTIOL UNDERGROUND, INC_____ (name of corporation, partnership, or person submitting bid) a corporation organized and existing under the laws of the State of _____WI_____ a partnership consisting of _____; an individual trading as _____; of the City of __SUN PRAIRIE_____ State of _____WI_____; that I have examined and carefully prepared this Proposal, from the plans and specifications and have checked the same in detail before submitting this Proposal; that I have fully authority to make such statements and submit this Proposal in (its, their) behalf; and that the said statements are true and correct.

_____
SIGNATURE

CONTROLLER
TITLE, IF ANY

Sworn and subscribed to before me this 2nd day of May, 2019.

_____
(Notary Public or other officer authorized to administer oaths)
My Commission Expires 06/06/20
Bidders shall not add any conditions or qualifying statements to this Proposal.

T.S. WILLISON NOTARY PUBLIC STATE OF WISCONSIN

Contract 8277 – Capitol Underground, Inc.

Section F: Best Value Contracting (BVC)

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

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

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

Best Value Contracting

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

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

☐ Contractor has a total skilled workforce of four or less individuals in all apprenticeable trades combined.

☐ No available trade training program; The Contractor has been rejected by the only available trade training program, or there is no trade training program within 90 miles.

☐ Contractor is not using an apprentice due to having a journey worker on layoff status, provided the journey worker was employed by the contractor in the past six months.

☐ First time contractor on City of Madison Public Works contract requests a onetime exemption but intends to comply on all future contracts and is taking steps typical of a "good faith" effort.

☐ Contractor has been in business less than one year.

☐ Contractor doesn't have enough journeyman trade workers to qualify for a trade training program in that respective trade.

☐ An exemption is granted in accordance with a time period of a "Documented Depression" as defined by the State of Wisconsin.

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

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

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

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

CONTRACT NO. 8277

Small Business Enterprise Compliance Report

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

Cover Sheet

Prime Bidder Information

Company:	Capitol Underground, Inc.
Address:	782 Lois Dr. Sun Prairie, WI 53590
Telephone Number:	608-318-1595
Fax Number:	608-318-1589
Contact Person/Title:	Brent Conwell / Controller

Prime Bidder Certification

Name:	Brent Conwell
Title:	Controller
Company:	Capitol Underground, Inc

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

Witness' Signature

Bidder's Signature

5/2/19

Date

CONTRACT NO. 8277

Small Business Enterprise Compliance Report

Summary Sheet

SBE Subcontractors Who Are NOT Suppliers

Name(s) of SBEs Utilized	Type of Work	% of Total Bid Amount
Red Arrow Electric	Electrical	3.4 %
JR's Construction	Restoration	.9 %
Neil Schlough		1 %
Other SBE Trucks as available	Trucking	%
		%
		%
		%
		%
		%
		%
		%
		%
		%
Subtotal SBE who are NOT suppliers:		5.3 %

SBE Subcontractors Who Are Suppliers

Name(s) of SBEs Utilized	Type of Work	% of Total Bid Amount
		%
		%
		%
		%
		%
		%

Subtotal Contractors who are suppliers: _____ % x 0.6 = _____ % (discounted to 60%)

Total Percentage of SBE Utilization: _____ %.

BUCKEYE ROAD ASSESSMENT DISTRICT - 2019

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Capitol Underground, Inc.

Item	Quantity	Price	Extension
Section B: Proposal Page			
10701.0 - TRAFFIC CONTROL - LUMP SUM	1.00	$100,000.00	$100,000.00
10721.0 - TRAFFIC CONTROL SIGN - PORTABLE CHANGEABLE MESSAGE - DAYS	35.00	$50.00	$1,750.00
10801.0 - ROOT CUTTING - CURB & GUTTER - L.F.	60.00	$6.00	$360.00
10802.0 - ROOT CUTTING - SIDEWALK - L.F.	105.00	$6.00	$630.00
10901.0 - FIELD OFFICE - L.S.	1.00	$19,000.00	$19,000.00
10911.0 - MOBILIZATION - LUMP SUM	1.00	$779,820.00	$779,820.00
20101.0 - EXCAVATION CUT - C.Y.	18123.00	$15.05	$272,751.15
20102.0 - ROCK EXCAVATION - C.Y.	220.00	$173.00	$38,060.00
20130.0 - UNDERDRAIN - L.F.	1031.00	$16.20	$16,702.20
20140.0 - GEOTEXTILE FABRIC TYPE SAS (NON-WOVEN) - S.Y.	1600.00	$2.15	$3,440.00
20208.0 - SELECT FILL SAND - C.Y.	20.00	$50.00	$1,000.00
20219.0 - BREAKER RUN - TON	2032.00	$8.60	$17,475.20
20221.0 - TOPSOIL - S.Y.	7760.00	$8.40	$65,184.00
20217.0 - CLEAR STONE - TON	2210.00	$4.00	$8,840.00
20227.0 - MEDIUM RIPRAP - C.Y.	7.00	$150.00	$1,050.00
20233.0 - RIPRAP FILTER FABRIC, TYPE HR - S.Y.	22.00	$5.00	$110.00
20301.0 - SAWCUT CONCRETE PAVEMENT, FULL DEPTH - L.F.	545.00	$2.60	$1,417.00
20303.0 - SAWCUT ASPHALT PAVEMENT - L.F.	635.00	$1.95	$1,238.25
20311.0 - REMOVE SEWER ACCESS STRUCTURE - EACH	23.00	$400.00	$9,200.00
20313.0 - REMOVE INLET - EACH	7.00	$380.00	$2,660.00
20314.0 - REMOVE PIPE - L.F.	728.00	$27.20	$19,801.60
20321.0 - REMOVE CONCRETE PAVEMENT - S.Y.	788.00	$4.60	$3,624.80
20322.0 - REMOVE CONCRETE CURB & GUTTER - L.F.	325.00	$5.00	$1,625.00
20323.0 - REMOVE CONCRETE SIDEWALK & DRIVE - S.F.	19730.00	$3.30	$65,109.00
20325.0 - REMOVE GUARD RAIL - L.F.	70.00	$5.00	$350.00
20326.0 - REMOVE FENCE - L.F.	216.00	$18.75	$4,050.00
20336.0 - PIPE PLUG - EACH	16.00	$202.00	$3,232.00
20401.0 - CLEARING - I.D.	610.00	$35.35	$21,563.50
20406.0 - GRUBBING - I.D.	673.00	$6.55	$4,408.15
20701.0 - TERRACE SEEDING - S.Y.	7760.00	$1.50	$11,640.00
21002.0 - EROSION CONTROL INSPECTION - EACH	5.00	$120.00	$600.00
21011.0 - CONSTRUCTION ENTRANCE - EACH	17.00	$120.00	$2,040.00
21013.0 - STREET SWEEPING - LUMP SUM	1.00	$6,425.00	$6,425.00
21015.0 - STREET CONSTRUCTION STONE BERM - EACH	34.00	$240.00	$8,160.00
21021.0 - SILT FENCE - COMPLETE - L.F.	390.00	$4.00	$1,560.00
21031.0 - INLET PROTECTION, TYPE C - COMPLETE - EACH	66.00	$85.00	$5,610.00
21041.0 - INLET PROTECTION, TYPE D - COMPLETE - EACH	30.00	$170.00	$5,100.00
21045.0 - INLET PROTECTION, TYPE A - COMPLETE - EACH	93.00	$180.00	$16,740.00
21063.0 - EROSION MATTING, CLASS I, TYPE A - ORGANIC - S.Y.	7763.00	$2.25	$17,466.75
30201.0 - TYPE 'A' CONCRETE CURB & GUTTER - L.F.	7120.00	$15.10	$107,512.00
30203.0 - TYPE 'X' CONCRETE CURB & GUTTER - L.F.	1075.00	$20.30	$21,822.50
30206.0 - TYPE 'G' CONCRETE CURB & GUTTER - L.F.	47.00	$41.00	$1,927.00
30207.0 - TYPE 'H' CONCRETE CURB & GUTTER - L.F.	330.00	$23.00	$7,590.00
30208.0 - HAND FORMED CONCRETE CURB & GUTTER (TREE LOCATIONS) - L.F.	24.00	$41.50	$996.00
30301.0 - 5 INCH CONCRETE SIDEWALK - S.F.	28750.00	$5.00	$143,750.00

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Item	Quantity	Price	Extension
30302.0 - 7 INCH CONCRETE SIDEWALK AND DRIVE - S.F.	11710.00	$5.70	$66,747.00
30311.0 - CONCRETE MOUNTABLE MEDIAN ISLAND NOSE - S.F.	360.00	$10.00	$3,600.00
30313.0 - CONCRETE STEPS - S.F.	23.00	$65.50	$1,506.50
30340.0 - CURB RAMP DETECTABLE WARNING FIELDS - S.F.	784.00	$25.00	$19,600.00
40101.0 - CRUSHED AGGREGATE BASE COURSE, GRADATION NO. 1 - TON	11980.00	$14.00	$167,720.00
40102.0 - CRUSHED AGGREGATE BASE COURSE, GRADATION NO. 2 OR NO. 3 - TON	12420.00	$14.00	$173,880.00
40203.0 - HMA PAVEMENT 3 MT 58-28 S - TON	3805.00	$63.00	$239,715.00
40205.0 - HMA PAVEMENT 4 MT 58-28 H - TON	2335.00	$70.66	$164,991.10
40218.0 - TACK COAT - GAL	1060.00	$2.24	$2,374.40
40232.0 - ASPHALT DRIVE & TERRACE - TON	31.00	$260.00	$8,060.00
40402.0 - 9-INCH CONCRETE PAVEMENT - S.Y.	390.00	$88.50	$34,515.00
50211.0 - SELECT BACKFILL FOR STORM SEWER - T.F.	5909.00	$0.01	$59.09
50401.0 - 12 INCH TYPE I RCP STORM SEWER PIPE - L.F.	1414.00	$77.20	$109,160.80
50402.0 - 15 INCH TYPE I RCP STORM SEWER PIPE - L.F.	260.00	$61.85	$16,081.00
50403.0 - 18 INCH TYPE I RCP STORM SEWER PIPE - L.F.	665.00	$78.30	$52,069.50
50404.0 - 21 INCH TYPE I RCP STORM SEWER PIPE - L.F.	394.00	$71.70	$28,249.80
50405.0 - 24 INCH TYPE I RCP STORM SEWER PIPE - L.F.	921.00	$82.60	$76,074.60
50407.0 - 30 INCH TYPE I RCP STORM SEWER PIPE - L.F.	1843.00	$127.90	$235,719.70
50409.0 - 36 INCH TYPE I RCP STORM SEWER PIPE - L.F.	242.00	$117.20	$28,362.40
50421.0 - 29 INCH X 45 INCH TYPE I HERCP STORM SEWER PIPE - L.F.	292.00	$160.00	$46,720.00
50440.0 - 6 INCH TYPE III STORM SEWER PIPE - L.F.	20.00	$12.00	$240.00
50467.0 - 30 INCH RCP AE - EACH	1.00	$1,158.00	$1,158.00
50499.0 - CONCRETE COLLAR - EACH	7.00	$565.00	$3,955.00
50607.0 - 30 INCH RCP AE GATE - EACH	1.00	$1,232.00	$1,232.00
50723.0 - 3'X3' STORM SAS - EACH	18.00	$3,430.00	$61,740.00
50724.0 - 4'X4' STORM SAS - EACH	19.00	$4,555.00	$86,545.00
50725.0 - 5'X5' STORM SAS - EACH	9.00	$6,620.00	$59,580.00
50726.0 - 6'X6' STORM SAS - EACH	4.00	$6,965.00	$27,860.00
50741.0 - TYPE H INLET - EACH	39.00	$1,745.00	$68,055.00
50792.0 - STORM SEWER TAP - EACH	1.00	$2,830.00	$2,830.00
50794.0 - PRIVATE STORM SEWER RECONNECT, TYPE 2 - EACH	3.00	$2,370.00	$7,110.00
50795.0 - PRIVATE STORM SEWER LATERAL - EACH	1.00	$3,910.00	$3,910.00
50801.0 - UTILITY LINE OPENING (ULO) - EACH	30.00	$655.00	$19,650.00
60801.0 - PAVEMENT MARKING EPOXY, DOUBLE LINE, 4-INCH - L.F.	4000.00	$3.50	$14,000.00
60802.0 - PAVEMENT MARKING EPOXY, LINE, 6-INCH - L.F.	9500.00	$2.00	$19,000.00
60803.0 - PAVEMENT MARKING EPOXY, LINE, 8-INCH - L.F.	120.00	$4.50	$540.00
60806.0 - PAVEMENT MARKING EPOXY, RADIUS LINE, 6-INCH (5' LINE, 5' GAP) - L.F.	150.00	$2.00	$300.00
60812.0 - PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH - L.F.	1750.00	$12.00	$21,000.00
60814.0 - PAVEMENT MARKING EPOXY, CROSSWALK, 12-INCH - L.F.	500.00	$12.50	$6,250.00
60816.0 - PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH - L.F.	700.00	$15.50	$10,850.00
60818.0 - PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH - L.F.	300.00	$16.50	$4,950.00
60823.0 - PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE - EACH	22.00	$130.00	$2,860.00
70003.0 - FURNISH AND INSTALL 8 INCH PIPE & FITTINGS - L.F.	1140.00	$108.40	$123,576.00
70006.0 - FURNISH AND INSTALL 16 INCH PIPE & FITTINGS - L.F.	275.00	$303.00	$83,325.00
90001.0 - REMOVING LANDSCAPING BOULDERS - EACH	14.00	$128.00	$1,792.00
90002.0 - REMOVING RETAINING WALL - S.F.	1520.00	$12.70	$19,304.00

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Item	Quantity	Price	Extension
90003.0 - REMOVING LANDSCAPING WALL - S.F.	108.00	$50.00	$5,400.00
90004.0 - REMOVING WOODEN BOARDWALK - S.F.	48.00	$31.50	$1,512.00
90005.0 - 7 INCH STAMPED & COLORED CONCRETE - S.F.	756.00	$12.80	$9,676.80
90006.0 - RAILING PIPE - L.F.	6.00	$270.00	$1,620.00
90007.0 - CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D - L.F.	115.00	$41.00	$4,715.00
90008.0 - CONCRETE CURB & GUTTER INTEGRAL 24-INCH TYPE D SPECIAL - L.F.	87.00	$41.00	$3,567.00
90009.0 - CONCRETE CURB & GUTTER INTEGRAL 36-INCH TYPE A SPECIAL VERTICAL FACE - L.F.	70.00	$41.00	$2,870.00
90010.0 - SIDEWALK CURB - L.F.	332.00	$31.00	$10,292.00
90011.0 - CONSTRUCTION FENCING - L.F.	5240.00	$5.50	$28,820.00
90012.0 - TEMPORARY PEDESTRIAN SURFACE ASPHALT - S.F.	500.00	$19.00	$9,500.00
90013.0 - TEMPORARY CURB RAMP - EACH	4.00	$425.00	$1,700.00
90014.0 - EXCAVATION, LOADING AND HAULING OF PETROLEUM CONTAMINATED SOIL - TON	190.00	$55.00	$10,450.00
90015.0 - WALL MODULAR BLOCK GRAVITY R-13-325 - S.F.	199.00	$115.00	$22,885.00
90016.0 - WALL MODULAR BLOCK GRAVITY R-13-326 - S.F.	755.00	$115.00	$86,825.00
90017.0 - WALL MODULAR BLOCK GRAVITY R-13-327 - S.F.	922.00	$115.00	$106,030.00
90018.0 - WALL MODULAR BLOCK GRAVITY R-13-328 - S.F.	370.00	$115.00	$42,550.00
90019.0 - WALL MODULAR BLOCK GRAVITY R-13-329 - S.F.	450.00	$115.00	$51,750.00
90020.0 - STEEL RAILING, TYPE 1 FOR RETAINING WALL R-13-325 - L.F.	34.00	$270.00	$9,180.00
90021.0 - STEEL RAILING, TYPE 1 FOR RETAINING WALL R-13-326 - L.F.	133.00	$270.00	$35,910.00
90022.0 - STEEL RAILING, TYPE 1 FOR RETAINING WALL R-13-327 - L.F.	135.00	$270.00	$36,450.00
90023.0 - STEEL RAILING, TYPE 1 FOR RETAINING WALL R-13-328 - L.F.	56.00	$270.00	$15,120.00
90024.0 - STEEL RAILING, TYPE 1 FOR RETAINING WALL R-13-329 - L.F.	77.00	$270.00	$20,790.00
90025.0 - CONCRETE STAINING R-13-325 - S.F.	183.00	$4.00	$732.00
90026.0 - CONCRETE STAINING R-13-326 - S.F.	690.00	$4.00	$2,760.00
90027.0 - CONCRETE STAINING R-13-327 - S.F.	855.00	$4.00	$3,420.00
90028.0 - CONCRETE STAINING R-13-328 - S.F.	350.00	$4.00	$1,400.00
90029.0 - CONCRETE STAINING R-13-329 - S.F.	410.00	$4.00	$1,640.00
90030.0 - TEMPORARY SHORING LEFT-IN-PLACE R-13-328 - S.F.	65.00	$50.00	$3,250.00
90031.0 - TEMPORARY SHORING R-13-329 - S.F.	115.00	$40.00	$4,600.00
90032.0 - PRECAST SIGN POST BASE - EACH	69.00	$165.00	$11,385.00
90033.0 - SIGN POST BASE FOR CONCRETE INSTALLATION - EACH	12.00	$125.00	$1,500.00
90034.0 - SIGN POST - L.F.	140.00	$15.00	$2,100.00
90035.0 - REFLECTIVE SIGN POST - L.F.	384.00	$18.00	$6,912.00
90036.0 - SIGNS TYPE II-REFLECTIVE TYPE H - SF	149.40	$25.00	$3,735.00
90037.0 - SIGNS TYPE II-REFLECTIVE TYPE F - SF	130.00	$25.00	$3,250.00
90050.0 - 38 INCH X 60 INCH HERCP TEE CLASS IV - EACH	1.00	$8,775.00	$8,775.00
90080.0 - CUT-IN OR CONNECT TO EXISTING SYSTEM: LESS THAN 12-INCH PIPE - EACH	1.00	$1,990.00	$1,990.00
90081.0 - CUT-IN OR CONNECT TO EXISTING SYSTEM: 12-INCH AND 16-INCH PIPE - EACH	8.00	$5,320.00	$42,560.00
20335 - ABANDON SEWER WITH SLURRY - C.Y.	55.00	$300.00	$16,500.00
50202 - TYPE II DEWATERING - L.S.	1.00	$1.00	$1.00
50212.0 - SELECT FILL FOR SANITARY SEWER MAIN - T.F.	6622.00	$0.01	$66.22
50225 - UTILITY TRENCH PATCH TYPE III - T.F.	85.00	$72.40	$6,154.00
50301.0 - 8" PVC SANITARY SEWER PIPE SDR-35, SDR-26 - LF	3919.00	$68.00	$266,492.00
50302 - 10" PVC SANITARY SEWER PIPE SDR-35 - LF	295.00	$81.00	$23,895.00

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		Capitol Underground, Inc.	
Item	Quantity	Price	Extension
50303 - 12" PVC SANITARY SEWER PIPE SDR-35 - LF	389.00	$86.20	$33,531.80
50353 - SANITARY SEWER LATERAL SDR-35, SDR-26 - LF	2019.00	$38.40	$77,529.60
50354.0 - RECONNECT - EACH	78.00	$3,225.00	$251,550.00
50359 - COMPRESSION COUPLING - Each	1.00	$1,595.00	$1,595.00
50390.0 - SEWER ELECTRONIC MARKERS - EACH	156.00	$34.15	$5,327.40
50701.0 - FOUR FOOT DIAMETER SAS - EACH	31.00	$3,050.00	$94,550.00
50771 - INTERNAL CHIMNEY SEAL - EACH	7.00	$430.00	$3,010.00
50781 - CONSTRUCT OUTSIDE DROP - V.F	3.67	$325.00	$1,192.75
50791.0 - SANITARY SEWER TAP - EACH	10.00	$2,090.00	$20,900.00
50797 - EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL - EACH	4.00	$670.00	$2,680.00
90070 - HEAVY WASTEWATER CONTROL - LS	1.00	$23,500.00	$23,500.00
90081.0 - CUT-IN OR CONNECT TO EXISTING SYSTEM: 12-INCH AND 16-INCH PIPE - EACH	4.00	$5,320.00	$21,280.00
70002.0 - FURNISH AND INSTALL 6 INCH PIPE & FITTINGS - L.F.	400.00	$65.00	$26,000.00
70005.0 - FURNISH AND INSTALL 12 INCH PIPE & FITTINGS - L.F.	1420.00	$108.20	$153,644.00
70031.0 - FURNISH AND INSTALL 6-INCH WATER VALVE - EACH	18.00	$2,175.00	$39,150.00
70032.0 - FURNISH AND INSTALL 8-INCH WATER VALVE - EACH	16.00	$2,660.00	$42,560.00
70034.0 - FURNISH AND INSTALL 12-INCH WATER VALVE - EACH	7.00	$4,325.00	$30,275.00
70035.0 - FURNISH AND INSTALL 16-INCH WATER VALVE - EACH	6.00	$4,850.00	$29,100.00
70040.0 - FURNISH, INSTALL AND SALVAGE HYDRANT - EACH	13.00	$4,200.00	$54,600.00
70053.0 - REPLACE 1-INCH COPPER SERVICE LATERAL - EACH	5.00	$3,600.00	$18,000.00
70056.0 - RECONNECT 1-INCH SERVICE LATERAL - EACH	34.00	$1,900.00	$64,600.00
70081.0 - FURNISH EXCAVATION AND DITCH FOR LIVE TAP - EACH	5.00	$1,500.00	$7,500.00
70082.0 - CUT OFF EXISTING WATER MAIN - EACH	25.00	$1,260.00	$31,500.00
70090.0 - ABANDON WATER VALVE BOX - EACH	20.00	$266.00	$5,320.00
70101.0 - FURNISH AND INSTALL STYROFOAM - L.F.	200.00	$18.50	$3,700.00
70104.0 - ADJUST WATER VALVE BOX SECTIONS - EACH	20.00	$266.00	$5,320.00
90080.0 - CUT-IN OR CONNECT TO EXISTING SYSTEM: LESS THAN 12-INCH PIPE - EACH	17.00	$1,990.00	$33,830.00
90081.0 - CUT-IN OR CONNECT TO EXISTING SYSTEM: 12-INCH AND 16-INCH PIPE - EACH	14.00	$5,320.00	$74,480.00
60222 - FURNISH & INSTALL 3 INCH PVC (SCHEDULE 80) CONDUIT - LF	3200.00	$7.50	$24,000.00
60224 - FURNISH & INSTALL 3 INCH PVC (SCHEDULE 40) CONDUIT - LF	7000.00	$6.50	$45,500.00
60230 - FURNISH & INSTALL 2 INCH PVC (SCHEDULE 80) CONDUIT - LF	1350.00	$6.50	$8,775.00
60232 - FURNISH & INSTALL 2 INCH PVC (SCHEDULE 40) CONDUIT - LF	3800.00	$5.50	$20,900.00
60241 - GOPHER RACEWAY FOR ELECTRICAL CONDUIT - LF	300.00	$25.00	$7,500.00
60261 - ELECTRICAL TRENCH - LF	10500.00	$3.00	$31,500.00
60403 - CONSTRUCT LB-3 BASE - EACH	28.00	$1,050.00	$29,400.00
60407 - CONSTRUCT LB-8 BASE - EACH	5.00	$1,250.00	$6,250.00
60409 - CONSTRUCTION OFFSET BASE - EACH	2.00	$2,000.00	$4,000.00
60411 - CONSTRUCT TYPE "G' BASE - EACH	4.00	$800.00	$3,200.00
60412.0 - CONSTRUCT TYPE "M" BASE - EACH	2.00	$1,500.00	$3,000.00
60427 - REMOVE ELECTRICAL HANDHOLE - EACH	1.00	$200.00	$200.00
60441 - AUGER CONCRETE ELECTRICAL BASE - EACH	1.00	$200.00	$200.00
60702 - CONSTRUCT ELECTRICAL HANDHOLE TYPE 1 - EACH	22.00	$1,000.00	$22,000.00
60704 - CONSTRUCT ELECTRICAL HANDHOLE TYPE 3 - EACH	2.00	$600.00	$1,200.00
60706 - CONSTRUCT ELECTRICAL HANDHOLE TYPE 5 - EACH	9.00	$1,200.00	$10,800.00
179 Items	Totals		$6,255,589.56

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

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

Assistant City Engineer
Gregory T. Fries, P.E.
Kathleen M. Cryan

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

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

Facilities & Sustainability
Jeanne E. Hoffman, Manager

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

Financial Manager
Steven B. Danner-Rivers

BIENNIAL BID BOND

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

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

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

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

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

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

CAPITOL UNDERGROUND, INC. — December 7, 2017
COMPANY NAME — AFFIX SEAL — DATE

By: Carla Mavanshe President
SIGNATURE AND TITLE

SURETY

WESTERN SURETY COMPANY — December 7, 2017
COMPANY NAME — AFFIX SEAL — DATE

By:
SIGNATURE AND TITLE Ross S. Squires, Attorney-in-Fact

This certifies that I have been duly licensed as an agent for the Surety in Wisconsin under National Provider No. 8729812 for the year 2018 and appointed as attorney in fact with authority to execute this bid bond, which power of attorney has not been revoked.

December 7, 2017
DATE

AGENT SIGNATURE Ross S. Squires

c/o Cobb Strecker Dunphy & Zimmermann, Inc.
1600 Aspen Commons, Suite 990
ADDRESS

Madison, WI 53704
CITY, STATE AND ZIP CODE

608-242-2550
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.

CERTIFICATE OF BIENNIAL BID BOND

TIME PERIOD- VALID (FROM/TO) **February 1, 2018 to January 31, 2020**
NAME OF SURETY **Western Surety Company**
NAME OF CONTRACTOR **Capitol Underground, Inc.**
CERTIFICATE HOLDER City of Madison, Wisconsin

This is to certify that a biennial bid bond issued by the above-named Surety is currently on file with the City of Madison.

This certificate is issued as a matter of information and conveys no rights upon the certificate holder and does not amend, extend or alter the coverage of the biennial bid bond.

Cancellation: Should the above policy be cancelled before the expiration date, the issuing Surety will give thirty (30) days written notice to the certificate holder indicated above.

SIGNATURE OF AUTHORIZED CONTRACTOR REPRESENTATIVE

12/13/17
DATE

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Betsy K Wright, Ross S Squires, Richard O Gibbs, Tina L Domask, Allison M Hill, Individually

of Middleton, WI, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 30th day of October, 2017.

WESTERN SURETY COMPANY

Paul T. Bruflat, Vice President

State of South Dakota
County of Minnehaha } ss

On this 30th day of October, 2017, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires
June 23, 2021

J. MOHR
NOTARY PUBLIC
SOUTH DAKOTA

J. Mohr, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 7th day of December, 2017.

WESTERN SURETY COMPANY

L. Nelson, Assistant Secretary

Form F4280-7-2012

Go to www.cnasurety.com > Owner / Obligee Services > Validate Bond Coverage, if you want to verify bond authenticity.

Authorizing By-Law

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

SECTION H: AGREEMENT

THIS AGREEMENT made this 22 day of MAY in the year Two Thousand and Nineteen between **CAPITOL UNDERGROUND, INC.** hereinafter called the Contractor, and the City of Madison, Wisconsin, hereinafter called the City.

WHEREAS, the Common Council of the said City of Madison under the provisions of a resolution adopted **MAY 21, 2019**, and by virtue of authority vested in the said Council, has awarded to the Contractor the work of performing certain construction.

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

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

BUCKEYE ROAD RECONSTRUCTION
CONTRACT NO. 8277

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 **SIX MILLION TWO HUNDRED FIFTY-FIVE THOUSAND FIVE HUNDRED EIGHTY-NINE AND 56/100** (**$6,255,589.56**) Dollars being the amount bid by such Contractor and which was awarded to him/her as provided by law.

4. **Affirmative Action.** In the performance of the services under this Agreement the Contractor agrees not to discriminate against any employee or applicant because of race, religion, marital status, age, color, sex, disability, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, gender identity, political beliefs, or student status. The Contractor further agrees not to discriminate against any subcontractor or person who offers to subcontract on this contract because of race, religion, color, age, disability, sex, sexual orientation, gender identity or national origin.

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

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

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

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

Articles of Agreement
Article I

The Contractor shall take affirmative action in accordance with the provisions of this contract to insure that applicants are employed, and that employees are treated during employment without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national original 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.

BUCKEYE ROAD RECONSTRUCTION
CONTRACT NO. 8277

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

Countersigned:

Witness 05/22/19 Date	**CAPITOL UNDERGROUND, INC.** Company Name
Witness 05/22/19 Date	President 5/22/19 Date
	Secretary 5/22/19 Date

CITY OF MADISON, WISCONSIN

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

Finance Director 6/3/19 Date	Approved as to form:
Witness 6/4/19 Date	City Attorney 6/4/19 Date
Witness 5-29-19 Date	Mayor Date
	City Clerk FOR 5.29.19 Date

SECTION I: PAYMENT AND PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we **CAPITOL UNDERGROUND, INC.** as principal, and **WESTERN SURETY COMPANY** Company of **Chicago, Illinois** as surety, are held and firmly bound unto the City of Madison, Wisconsin, in the sum of **SIX MILLION TWO HUNDRED FIFTY-FIVE THOUSAND FIVE HUNDRED EIGHTY-NINE AND 56/100** ($**6,255,589.56**) 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:

BUCKEYE ROAD RECONSTRUCTION
CONTRACT NO. 8277

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 **22nd** day of **May, 2019**

Countersigned:

Witness

Secretary

CAPITOL UNDERGROUND, INC.
Company Name (Principal)

President Seal

Approved as to form:

City Attorney

WESTERN SURETY COMPANY
Surety Seal

☐ Salary Employee ☒ Commission

By
Attorney-in-Fact **Ross S. Squires**

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under National Producer Number **8729812** for the year **2019**, and appointed as attorney-in-fact with authority to execute this payment and performance bond which power of attorney has not been revoked.

May 22, 2019
Date

Agent Signature **Ross S. Squires**

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Betsy K Wright, Ross S Squires, Richard O Gibbs, Tina L Domask, Allison M Hill, Individually

of Middleton, WI, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 30th day of October, 2017.

WESTERN SURETY COMPANY

Paul T. Bruflat, Vice President

State of South Dakota
County of Minnehaha } ss

On this 30th day of October, 2017, before me personally came Paul T. Bruflat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires
June 23, 2021

J. MOHR
NOTARY PUBLIC SOUTH DAKOTA

J. Mohr, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 22nd day of May 2019 .

WESTERN SURETY COMPANY

L. Nelson, Assistant Secretary

Form F4280-7-2012

Go to www.cnasurety.com > Owner / Obligee Services > Validate Bond Coverage, if you want to verify bond authenticity.

Authorizing By-Law

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.