



Invitation for Bid No. 2023-066

Piedmont Innovation Park Sanitary Sewer

ADDENDUM No. 1
ISSUE DATE: August 22, 2023

Responding Offerors on this project are hereby notified that this Addendum shall be made a part of the above named IFB document.

The following items add to, modify, and/or clarify the IFB documents and shall have the full force and effect of the original Documents. This Addendum shall be acknowledged by the Offeror in the IFB document.

Union County, NC
Piedmont Innovation Park Sanitary Sewer
WKD Project Number: 20190559.00.CL

ADDENDUM NUMBER 1

August 22, 2023

BID DATE: August 29th, 2023, 2:00 p.m.

TO ALL BIDDERS:

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents and all previous Addenda.

Acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to do so may disqualify the Bidder.

Below are changes, additions, and/or clarifications to the bid documents for this project.

Specifications

Item 1: Specification 00 31 00 "Available Project Information", Remove and replace this Section in its entirety with the attached revised "Available Project Information". Changes Includes:

- a. Section 1.7 Permits – Add Section 1.7.B paragraph which states "As part of the USACE permit, there are new requirements for the tricolored bats which are applicable to this project."

Item 2: EJCDC C-410 Bid Form, Remove and replace this Section in its entirety with the attached revised EJCDC C-410 Bid Form. Changes Includes:

- a. Article 5.01 Basis of Bid Item 1 – Update of Estimated Quantity – 12" PVC SDR 35 Gravity Sewer (3-6 ft deep) from 1,260 to 1,330
- b. Article 5.01 Basis of Bid Item 9 – Update of Estimated Quantity – 12" I.D. HDPE, Slip Lining from 170 to 95
- c. Article 5.01 Basis of Bid Item 12 – Update of Estimated Quantity – Price Shortcut Rd Jack & Bore, 24" Dia Steel Casing (t=0.250"), No Carrier Pipe from 50 to 45
- d. Article 5.01 Basis of Bid Item 14 – Update of Estimated Quantity – 4' Diameter Manhole from 24 to 26

Item 3: Specification 33 05 13.16 "Public Manholes and Structures", add the following additional section, as outlined below:

- a. Section 3.3 Installation, I – Add: "ConBlock is an acceptable as-equal product in lieu of field applied bituminous interior coating".

Drawings

Item 4: Sheet C.1 – Existing MH 1 to Proposed SSMH-7. Changes Includes:

- a. Updating hatching from existing MH #1 to SSMH#2 to SDR 35.
- b. Updating call out "ELECTRO-FUSION END RESTRAINT PER SPECIFICATIONS (TYP.)" from existing MH #1 to SSMH #2.

- c. Add call out "ELECTRO-FUSION END RESTRAINT PER SPECIFICATIONS (TYP.)" to SSMH #3.
- d. Updating Rim Elevation from 613.62' to 620.65' for Existing Manhole upstream of proposed SSMH#5 on plan view.

Questions

Item 5: Question: Can you provide an engineer's estimate for this job?

Answer: The engineer's estimate is located in Specification 00 31 00 "Available Project information", Section 1.5.

Item 6: Question: Are the bores guaranteed?

Answer: Yes, the bores are guaranteed.

Item 7: Question: Please revise bid item 12 to a quantity of 45 LF, to match the quantity shown in the plans?

Answer: This has been updated and is reflected in the reissued Bid Form, included herein.

Item 8: Question: Are there any buy-American or similar material procurement clauses/requirements?

Answer: There are no buy-American requirements.

Item 9: Question: Are there any small/minority/women etc. business participation goals or requirements?

Answer: There are no small/minority/women business participation goals for this project.

Item 10: Question: In lieu of double-layer interior coating called out in section 33 05 13.16 3.3I, would the owner accept a ConBlock additive that is mixed into the concrete at the plant?

Answer: ConBlock is an acceptable as-equal product in lieu of the coating in Section 33 05 13. Section 33 05 13.16 3.3I is hereby updated accordingly.

Item 11: Question: Please confirm desired backfill type/method for landscaped areas (the entirety of the job, essentially). Section 31 23 16 3.14A suggests only 90% compaction is required from bedding to topgrade, whereas detail 12.09.00 Sheet D.5 shows all three bedding types utilizing select fill and requiring 95% compaction above the pipe.

Answer: Defer to detail on Sheet D.5 of 95% for trenching of sanitary sewer. Section 31 23 16 3.14A refers to landscape areas which are only applicable to landscape areas outside of the trenching of the sanitary sewer.

Item 12: Question: Please where active/positive shoring will be required at any of the four pits. All four fall outside the pavement 1:1, but all four fall within the 5' +2:1.

Answer: Active shoring will be required by DOT for the temporary shoring. See Appendix C for the NCDOT encroachment requirements for temporary shoring for trenching inside the 5' off the edge of the pavement and inside the 2:1.

Item 13: Question: Please confirm my understanding of the work represented by bid item 9, "12" I.D. HDPE, Slip Lining." I take it to mean removing the existing 8" pipe from the existing 16" casing and sliding a new 12" HDPE through the 70' (60' existing 10' new) of casing. And then the other about 100' of new 12" HDPE is to be laid via open-cut. The term "slip-lining" is what is throwing me off, since that's typically reserved for installing a cured-in-place liner that expands to match the shape/structure of the existing pipe, in a similar essence to pipe bursting.

Answer: The purpose of this work is to utilize an existing steel casing pipe that was previously installed via jack and bore underneath Rocky River Road. The existing 8" carrier pipe will be removed from the existing 16" steel casing. Then the proposed 12" (ID) HDPE will be placed in that existing 16" steel casing pipe. The HDPE pipe shall be grouted or sealed in place to secure the pipe and prevent floatation. The term "slip-lining" is used to describe the process of inserting the proposed 12" ID HDPE pipe into the existing 16" steel casing pipe.

Item 14: Question: Please confirm there are no individual sewer laterals that need to be installed or connected to our new 12" line.

Answer: That is correct. There are no individual sewer laterals that need to be installed or connected to the project's 12" line.

Item 15: Question: Several call-outs are made on the plans with respect to achieving temporary creek crossings. Are there any areas where the contractor is expected to leave a permanent crossing (i.e. Armorflex matting) in place?

Answer: No permanent creek crossings are intended or called out for this project. All creek crossings are intended for the contractor's access of the project area and shall be temporary, and shall be removed upon the completion of construction.

This addendum and all associated specifications sections and revised Contract Documents will be uploaded to the online plan room and distributed to registered plan holders via email.

Receipt of this addendum must be acknowledged on Page 1 of EJCDC C-410, Bid Form.

Sincerely,

W.K. Dickson & Co., Inc.

Jake Berkshire
Jake Berkshire, P.E.
Project Manager

END OF ADDENDUM No.1

DOCUMENT 00 31 00
AVAILABLE PROJECT INFORMATION

PART 1 GENERAL

1.1 SUMMARY

- A. Document Includes information available for bidders:
 - 1. Subsurface investigation report.
 - 2. Environmental Site Assessment
 - 3. Existing Conditions and Topographic Survey
 - 4. Engineer's Opinion of Probable Construction Cost
 - 5. Estimated Project Milestone Dates
 - 6. Permits
 - 7. As-Builts

- B. Related Documents:
 - 1. Document 00 21 13 - Instructions to Bidders: Site Examination Section Includes

1.2 SUBSURFACE INVESTIGATION REPORT

- A. A copy of a geotechnical report is included with this document, titled Preliminary Subsurface Exploration and Geotechnical Engineering Report for Goldmine Road Site dated April 5, 2019, and prepared by ECS Southeast, LLP included in Appendix A

- B. A copy of a geotechnical report is included with this document, titled Data Report of Additional Subsurface Exploration for Gold Mine Road Site – Gravity Main dated September 30, 2022, and prepared by ECS Southeast, LLP included in Appendix A

- C. These reports only capture the proposed Piedmont Innovation Park Industrial Park and the assessed area is identified in the report.

- D. These reports identify properties of below grade conditions and offers recommendations for design of foundations, prepared primarily for use of Engineer.

- E. Recommendations described are not requirements of this Contract, unless specifically referenced in Contract Documents.

- F. These reports, by its nature, cannot reveal all conditions existing on the site. Should subsurface conditions be found to vary substantially from this report, changes in design and construction of foundations will be made, with resulting credits or expenditures to Contract Price/Sum accruing to Owner.

1.3 ENVIRONMENTAL SITE ASSESSMENT REPORT

- A. A copy of a Environmental Site Assessment is included with this document, titled Phase 1 Environmental Site Assessment Goldmine Road Site dated March 4, 2019, and prepared by ECS Southeast, LLP included in Appendix B

- B. This report only captures the proposed Piedmont Innovation Park Industrial Park and the assessed area is identified in the report.
- C. Recommendations described are not requirements of this Contract, unless specifically referenced in Contract Documents.
- D. This report, by its nature, cannot reveal all conditions existing on the site. Should subsurface conditions be found to vary substantially from this report, changes in design and construction of foundations will be made, with resulting credits or expenditures to Contract Price/Sum accruing to Owner.

1.4 EXISTING CONDITIONS AND TOPOGRAPHIC SURVEY

- A. A copy of the existing conditions and topographic survey with respect to project site is available to the upon request from the Engineer to the awarded Contractor.
- B. Survey:
 - 1. Dated: July 10th, 2019 and November 03, 2022
 - 2. Prepared by: Lawrence Surveying
- C. This survey identifies grade elevations prepared primarily for use of Engineer in establishing new grades and identifying natural water shed.

1.5 ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

- A. \$3,000,000 - \$3,500,000

1.6 ESTIMATED PROJECT MILESTONE DATES

- A. Notice to Proceed – October 2023
- B. Substantial Completion – October 2024
- C. Final Completion – November 2024

1.7 PERMITS

- A. NCDEQ Erosion Control permit, USACE Courtesy Letter Confirmation, NCDOT ROW Encroachment permit, and North Carolina Department of Environmental Quality (NCDEQ) Sewer System permit, UC Storm Permit have approval and copies of the approved permits are included in Appendix C of this document.
- B. As part of USACE permit, there are new requirements for the tricolored bats which are applicable to this project.

1.8 AS-BUILTS

- A. A copy of the Union County Public Schools Transportation Center Offsite Water and Sewer as-builts is included in Appendix D of this document.

END OF SECTION

BID FORM

Union County, North Carolina
Piedmont Innovation Park Sanitary Sewer
WKD Project No. 20190559.00.CL

TABLE OF CONTENTS

	Page
ARTICLE 1 – Bid Recipient	1
ARTICLE 2 – Bidder’s Acknowledgements.....	1
ARTICLE 3 – Bidder’s Representations	1
ARTICLE 4 – Bidder’s Certification.....	2
ARTICLE 5 – Basis of Bid	3
ARTICLE 6 – Time of Completion.....	3
ARTICLE 7 – Attachments to this Bid.....	5
ARTICLE 8 – Defined Terms.....	6
ARTICLE 9 – Bid Submittal	6

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

Union County Procurement Division
Attn: Vicky Watts
Senior Procurement Specialist
500 N. Main Street, Suite 709, Monroe, NC 28112
(704)-283-3601
vicky.watts@unioncountync.gov

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum, Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and

4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the e execution of the Contract.

ARTICLE 5 – BASIS OF BID

- 5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

Piedmont Innovation Park Sanitary Sewer

Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Price
1	12" PVC SDR 35 Gravity Sewer (3-6 ft deep)	LF	1,330		
2	12" DIP Gravity Sewer (3-6 ft deep)	LF	360		
3	12" PVC SDR 35 Gravity Sewer (6-9 ft deep)	LF	2,250		
4	12" DIP Gravity Sewer (6-9 ft deep)	LF	350		
5	12" PVC SDR 35 Gravity Sewer (9-12 ft deep)	LF	1,960		
6	12" PVC DR-25 Gravity Sewer (12-15 ft deep)	LF	690		
7	12" PVC DR-25 Gravity Sewer (15-18 ft deep)	LF	400		
8	12" Gravity Sewer Replace in Place and Bypass Pumping	LS	1		
9	12" I.D. HDPE, Slip Lining	LF	95		
10	Restrained Joint DIP Adder	LF	570		
11	Goldmine Rd Jack & Bore, 24" Dia Steel Casing (t=0.250"), No Carrier Pipe,	LF	50		
12	Price Shortcut Rd Jack & Bore, 24" Dia Steel Casing (t=0.250"), No Carrier Pipe,	LF	45		
13	24" Dia Steel Casing (t=0.250"), No Carrier Pipe, Stream Crossing	LF	360		
14	4' Diameter Manhole	EA	26		
15	4' Diameter Manhole Additional Vertical Footage	VF	120		
16	Connect to Existing Manhole	EA	2		
17	Rock Excavation	CY	3,640		
18	Select Backfill	CY	4,100		
19	Bedding Stone	CY	230		
20	Stream Crossing - Open Cut	LF	80		
21	Clearing & Grubbing	AC	7		

22	Erosion Control	LS	1		
23	Seeding, Mulching, and Restoration	LS	1		
TOTAL BASE BID					
24	Mobilization (Up to 4% of Base Bid)	LS	1		
25	Contingency Allowance (10% of Base Bid)	LS	1		
GRAND TOTAL BID					
TOTAL BID: \$ _____ <div style="text-align: center;">(in words)</div> <hr/> <div style="text-align: center;">(in words)</div>					

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are no guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
 - A. Required Bid security;
 - B. List of Proposed Subcontractors;
 - C. List of Proposed Suppliers;
 - D. List of Project References;
 - E. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such license within the time for acceptance of Bids;
 - F. Contractor's License No.: _____
 - G. Required Bidder Qualification Statement with supporting data
 - H. Non-collusion affidavit of Prime Bidder
 - I. Required Bidder Qualification Statement with supporting data

ARTICLE 8 – DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

By:
[Signature] _____

[Printed name] _____
(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:
[Signature] _____

[Printed name] _____

Title: _____

Submittal Date: _____

Address for giving notices:

Telephone Number: _____

Fax Number: _____

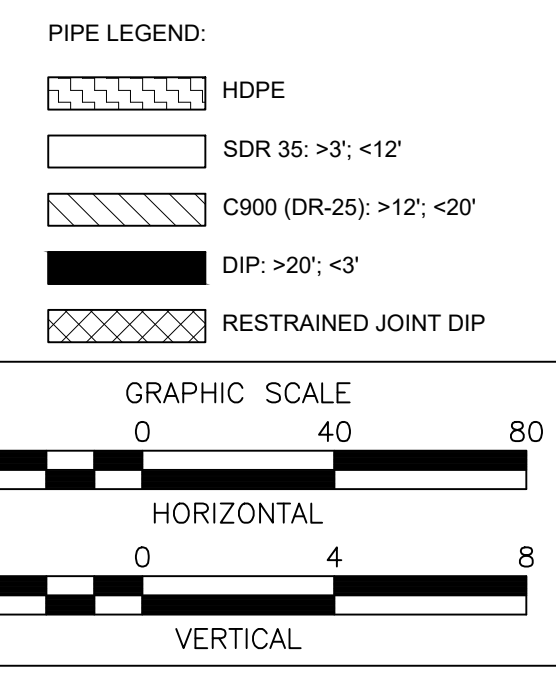
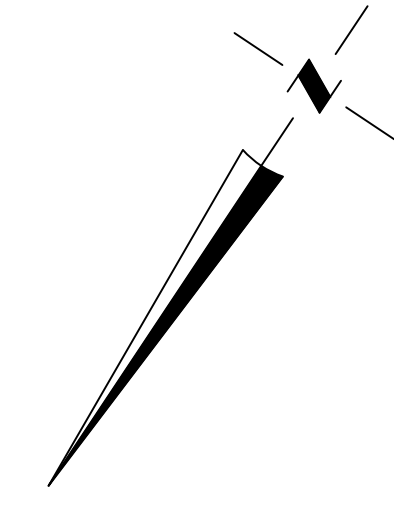
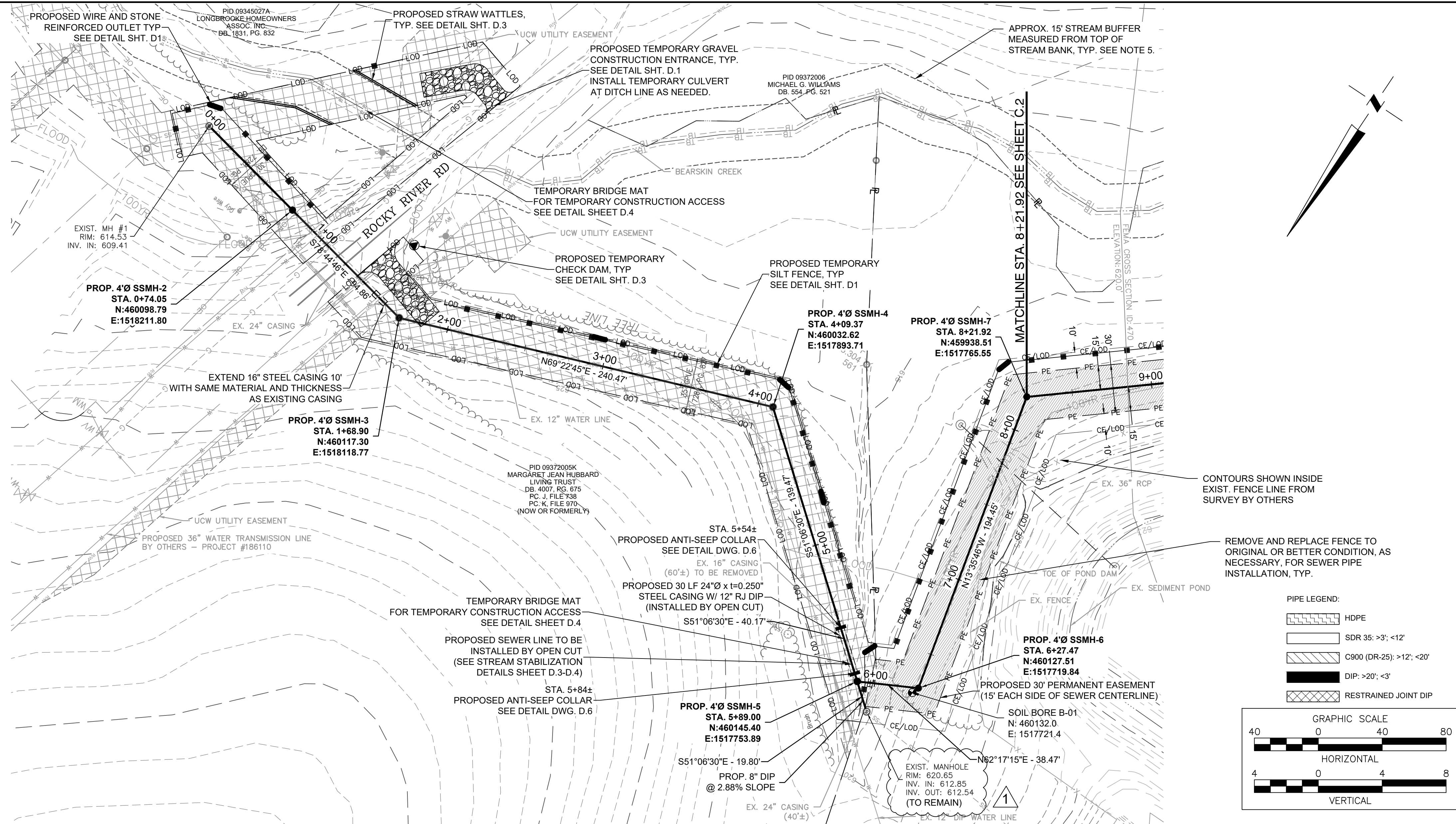
Contact Name and e-mail address: _____

Bidder's License No.: _____
(where applicable)

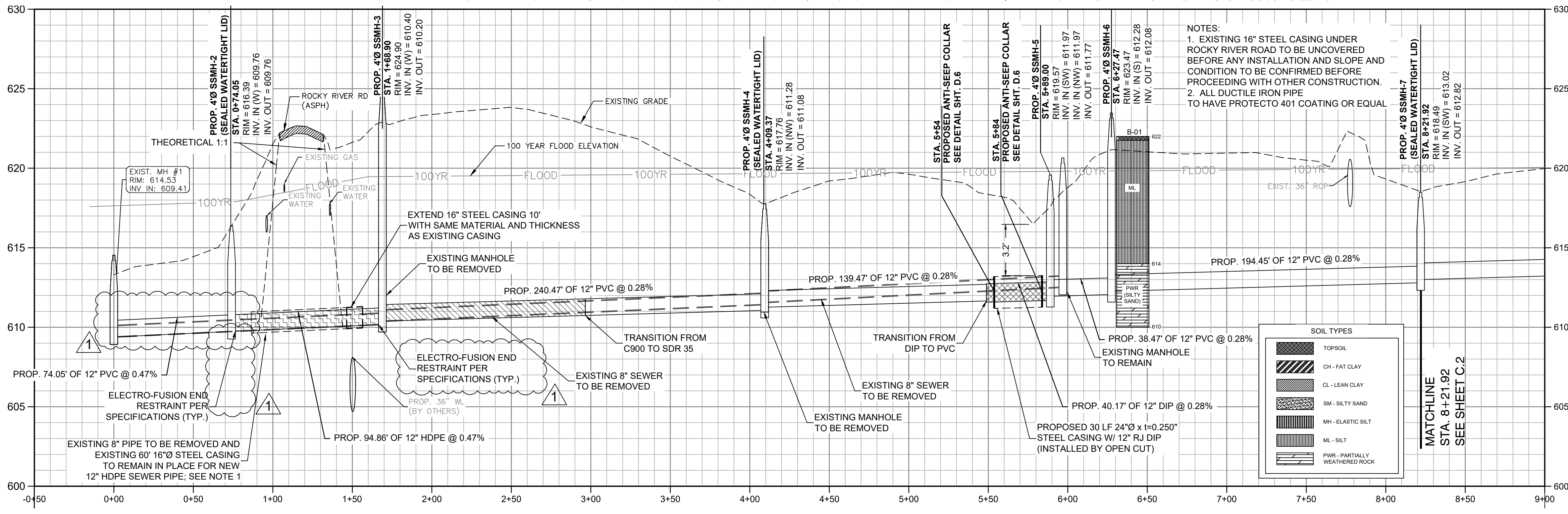
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NOTE

1. AT THE COMPLETION OF CONSTRUCTION, ALL GRADES WITHIN THE FLOODPLAIN WILL BE RETURNED TO PRE-DEVELOPMENT ELEVATIONS.
2. 24 HOURS PRIOR TO AN ANTICIPATED FLOOD EVENT, ALL EQUIPMENT AND MATERIALS LOCATED WITHIN THE FLOODPLAIN ARE TO BE MOVED OUTSIDE OF THE FLOODPLAIN TO A LOCATION WITHIN THE CONSTRUCTION EASEMENT FOR STORAGE.
3. THE EMERGENCY CONTACT DURING CONSTRUCTION IS: UNION COUNTY CONSTRUCTION MANAGER, NEAL GASTON AT (704) 296-4254.
4. THE ANTICIPATED CONSTRUCTION START IS 10/2023, AND SHOULD LAST APPROXIMATELY 390 DAYS/13 MONTHS.
5. CONTRACTOR SHALL PROVIDE A 15' STREAM BUFFER. TOP OF STREAM BANK SHOWN OUTSIDE OF PROJECT LIMITS IS APPROXIMATE. CONTRACTOR SHALL VERIFY ACTUAL EXTENTS OF 15' STREAM BUFFER IN THE FIELD.



PIPE LEGEND:	
	HDPE
	SDR 35: >3', <12'
	C900 (DR-25): >12', <20'
	DIP: >20', <3'
	RESTRAINED JOINT DIP



SOIL TYPES	
	TOPSOIL
	CH - FAT CLAY
	CL - LEAN CLAY
	SM - SILTY SAND
	MH - ELASTIC SILT
	ML - SILT
	PWR - PARTIALLY WEATHERED ROCK

NOTES:
 1. EXISTING 16" STEEL CASING UNDER ROCKY RIVER ROAD TO BE UNCOVERED BEFORE ANY INSTALLATION AND SLOPE AND CONDITION TO BE CONFIRMED BEFORE PROCEEDING WITH OTHER CONSTRUCTION.
 2. ALL DUCTILE IRON PIPE TO HAVE PROTECTO 401 COATING OR EQUAL

community infrastructure consultants
 1213 W. MOREHEAD STREET
 SUITE 300
 CHARLOTTE, NC 28208
 (704) 334-5348
 WWW.WKDICKSON.COM
 NC LICENSE NO. F-0374

PROFESSIONAL SEAL

NO.	DATE	DESCRIPTION	BY	KK
1	08-22-23	ADDENDUM NO. 1		

BID SET - NOT RELEASED FOR CONSTRUCTION
 PROJECT NAME: **PIEDMONT INNOVATION PARK**
SANITARY SEWER
 CITY OF MONROE PROJECT # 22-02
 DRAWING TITLE: **EXISTING MH 1 TO PROPOSED SSMH-7**

PROJ. MGR.: JRB
 DESIGN BY: CH
 DRAWN BY: CH
 PROJ. DATE: AUG 2023
 DRAWING NUMBER:
C.1 OF 8
 WKD PROJ. NO.:
 20190559.00.CL