



Addendum No. 1

Project Name: Noblesville 48" Interceptor To Lift Station No. 2
Project Number: 2024.01213
Date: March 6, 2025

OWNER:

City of Noblesville Utilities
197 Washington Street
Noblesville, IN 46060

ENGINEER

American Structurepoint, Inc.
9025 River Road, Suite 200
Indianapolis, Indiana 46240
317.547.5580

This Addendum forms part of the Contract Documents for the Project and contains clarifications and revisions to the Contract Documents.

The information contained herein modifies the original Bidding Documents and all prior Addenda as applicable. Requirements of the original Bidding Documents and previous Addenda remain in effect except as modified by this Addendum.

Bidders must acknowledge receipt of this Addendum on the Bid form. Failure to acknowledge receipt of this Addendum may subject Bidder to disqualification.

This addendum consists of 3 pages and attachments (16 pages) for a total of 19 pages.

The extent of this addendum is as follows:

MANDATORY PRE-BID MEETING MINUTES

1. A copy of the mandatory pre-bid meeting minutes is attached (4 pages). Questions from the pre-bid meeting are included in the "QUESTIONS AND ANSWERS" section below.

QUESTIONS AND ANSWERS

1. Please confirm the existing manhole upstream of the wet well can accommodate the proposed 27" connection.
 - a. *According to City of Noblesville Standards, the existing structure should accommodate the proposed 27" connection.*
2. Can you share a document showing the locations of the manholes upstream of the diversion structure?
 - a. *Please see attached (1 page).*
3. The as-built for the structure in which we tie into on sheet C204, has a 48" DI wall sleeve with plug. However, the cross section shows a 42" pipe coming out of that into structure 5. Please verify the 42" pipe is correct.
 - a. *The detail is correct as shown. The gap between the existing 48" DI wall sleeve and the proposed pipe is to be filled and sealed with a combination of modular wall seal and non-shrink grout. See detail on sheet C204.*
4. On sheet C300, it shows a bypass pump, with an outlet in the wet well. No specifications are provided for this pump.
 - a. *The pump shown on sheet C300 is an existing pump. The only work on sheet C300 is related to the bypass suction piping.*
5. Will wooden fence near structure 2 (MH 2) need to be replaced within the easement if demolished during construction?
 - a. *See Note 3 on sheet C202 regarding what should be done with the portion of fence that falls within the 20' easement.*
6. The asphalt detail shows asphalt pavement on treated subgrade and not stone. Is that how the asphalt replacement is designed to be built?
 - a. *Yes, follow the indicated Noblesville standard detail (Sheet 3 of 29) for pavement subgrade.*
7. Where is the compacted aggregate line item designed to be utilized?
 - a. *This line item has been removed from the project. All compacted aggregate required for the project is contained within other bid items.*
8. Are there any special SWPPP requirements for this job since it is in a wetland?
 - a. *See the attached environmental permits. Contractor shall implement erosion and sediment control measures to minimize soil from leaving the site. Erosion control details can be found in the Noblesville standard details (Sheet 28 of 29). Contractor shall work only within the cleared area.*
9. Will Noblesville remove all trees in the easement?
 - a. *Trees will be felled but not removed. See note 16 on Sheet G101.*
10. Does the north road (to Reliable Fab) need to be usable at all times?

- a. *For bidding purposes, contractors should assume that the access drive to Reliable Fab should be usable at all times. The only times it can be closed are times agreeable to Reliable Fab.*
11. Is design intent to remove stumps only as needed?
a. *That is correct. See Note 16 on Sheet G101.*
12. What restoration is needed in the 50' easement?
a. *Please see Specification Section 32 92 19 – Seeding for seed mix information within the easement.*
13. Drawing C103: Is there a new grade line on the existing pavement to be milled area?
a. *Please match existing grade as closely as possible in the pavement milling area.*
14. Is running water required in the temporary office or is bottled water acceptable?
a. *Bottled water is acceptable.*
15. Can you share who the City is using for tree felling?
a. *The City is utilizing Martin Tree Service.*
16. The line 0007 description seems to say aggregate is for pavement only.
a. *See answer for Question 7.*
17. Will there be any protective lining of the structures as involved in your project scope?
a. *There is not any protective lining included in this project.*

REVISIONS TO PROJECT MANUAL

1. Bid Form – a new Bid Form is attached (2 pages). The only modification to the Bid Form is the elimination of Item 6 – Compacted Aggregate. All other bid items have been renumbered accordingly.
2. Section 01 20 00 – Price and Payment Procedures. This section has been revised to eliminate Unit Price Item 0007: Compacted Aggregate and all other Unit Price Items have been renumbered accordingly (9 pages).
3. Added Appendices B-D to Specifications (Appendix B: IDEM 401 Water Quality Certificate Approval and Schedule Extension Approval, Appendix C: USACE 404 Permit Approval, Appendix D: Permit Clearing Exhibits and Restoration Seed Mixture). Table of contents has been updated to reflect this addition.

Attachments:

1. Mandatory Pre-bid Meeting Minutes (4 pages).
2. Figure Indicating Manholes Upstream of Diversion Structure (1 page).
3. Revised Bid Form (2 pages).
4. Revised Section 01 20 00 – Price and Payment Procedures (9 pages).

PRE-BID MEETING AGENDA
NOBLESVILLE 48" INTERCEPTOR TO LIFT STATION NO. 2

City of Noblesville

Project Address (LS 2): 1810 S. 10th Street, Noblesville, Indiana 46060

Virtual Meeting: February 27, 2025 (1:30 P.M.)

Attendees:

Jonathan Mirgeaux, City of Noblesville
Kristyn Parker, City of Noblesville
Karen Saavedra, American Structurepoint
Bob Henricksen, American Structurepoint
John Judge, American Structurepoint
Rich Smith, Atlas Excavating
Dalton Justice, Atlas Excavating
Ryan Decker, Sub Surface of Indiana, Inc.
Mitch Green, Ottenweller Contracting
Ryan Ottenweller, Ottenweller Contracting
Justin Winenger, F.A. Wilhelm Construction
Kyle Kuhlman, Kokosing
Rob Jensen, Kokosing
Steve Rothgerber, Fox Contractors
Andrew McKerrow, SLB Pipe Solutions
John Fuchs, Brackney Inc.
Alex Koors, McCalister Machinery
Jeremiah Boswell, McCallister Machinery
Jeff Woodcock, Spectra Tech

I. Introductions

- A. City of Noblesville
- B. American Structurepoint, Inc.

II. Project Description

- A. The Work, in general, consists of, but is not limited to, providing all labor, materials, and equipment, to install approximately 1,415 LF of 48" interceptor sewer, approximately 14 LF of 27" sewer, five sanitary manhole structures, approximately 45 LF of 15" storm sewer and installation of new storm manhole and inlet casting, clearing and grubbing of new and existing interceptor sewer easement areas, new fencing and gate installation, bypass pumping suction and discharge piping, removal and replacement of concrete driveway approach, associated paving, and associated curb and gutter replacement as shown on the contract drawings.



- B. Access Drive to Lift Station No. 2 (LS 2)
 - 1. Access drive off of 10th Street is owned by local business (Reliable Fab and Manufacturing).
 - 2. The contractor must coordinate with Reliable Fab at all times to ensure continued access to business.
 - 3. Plans indicate removal and replacement of concrete driveway approach and asphalt pavement limits. Limits include replacement of curb and gutter on south side of access drive; does not include curb and gutter on north side of access drive.

- C. Bid Documents
 - 1. Electronic Bidding Documents available at www.structurepointplanroom.com.

- D. Site Visits
 - 1. Contractors are encouraged to visit the site prior to bidding.

- E. Project Funding
 - 1. Local funds
 - 2. American Iron-Steel – not required

- F. Bids
 - 1. Bid is unit price.
 - 2. Bids will be evaluated on the “Total Bid Price”.

III. Forms Required in Contractor’s Bid Package (refer to *Instruction to Bidders*)

- A. Proposal
- B. Itemized Proposal
- C. Bid Bond (10%)
- D. Affidavit of Major Suppliers
- E. Affidavit of Subcontractors
- F. List of Bidder Experience on Public Works Projects
- G. Non-Collusion Affidavit
- H. E-Verify Affidavit
- I. Indiana Bid Form 96
- J. Financial Statement

IV. Expected Project Schedule

- A. Questions due in writing to Engineer by 12 P.M. on March 3, 2025 to ksaavedra@structurepoint.com.
- B. Final Addenda will be issued by end of day on March 6, 2025.



- C. City of Noblesville will receive sealed bids for the above described "Project" at the City of Noblesville Board of Public Works and Safety at the Council Chambers, Noblesville, Indiana 46060, at **09:00 A.M., local time, Tuesday, March 11, 2025**. All bids shall be opened and publicly read at that meeting. - *Bids should be submitted before or will be called for at beginning of meeting and at finish of reading the bids.*
- D. Tentative award date: March 25, 2025 (bids may be held up to 60 days)
- E. Substantial Completion (see Special Provision 2): December 31, 2025; Final Completion, January 31, 2026.

V. Permits

- A. The Owner has or will obtain the following permits required prior to construction of Work:
 - 1. IDEM Sanitary Sewer Construction Permit. - *Permit has been filed and is expected soon.*
 - 2. IDEM Section 401 Water Quality Certificate. – *Permit has been obtained and being renewed.*
 - 3. US Army Corps Section 404 Regional General Permit. – *Permit has been obtained and being renewed.*
 - 4. Indiana DNR Construction in a Floodway Permit. – *Permit has been obtained and being renewed.*
 - a. Tree felling will be completed by the Owner prior to Project initiation.
 - b. The contractor is responsible for removal of all trees remaining in the 50' easement limits during the construction phase. Additionally, the contractor shall remove all stumps, as required, for installation of the proposed 48" interceptor (refer to Note 16 on Sheet G101).
 - c. If filling in the floodplain is required to facilitate construction activities, contractor shall coordinate with Owner and Engineer to get a revised DNR permit immediately after receipt of NTP. – *This is not anticipated to be an issue but may require the permit to be amended.*
- B. The contractor shall furnish all other necessary permits for construction of Work including the following:
 - 1. Right of Way permit.
 - 2. Dewatering permit.
 - 3. Encroachment permit.

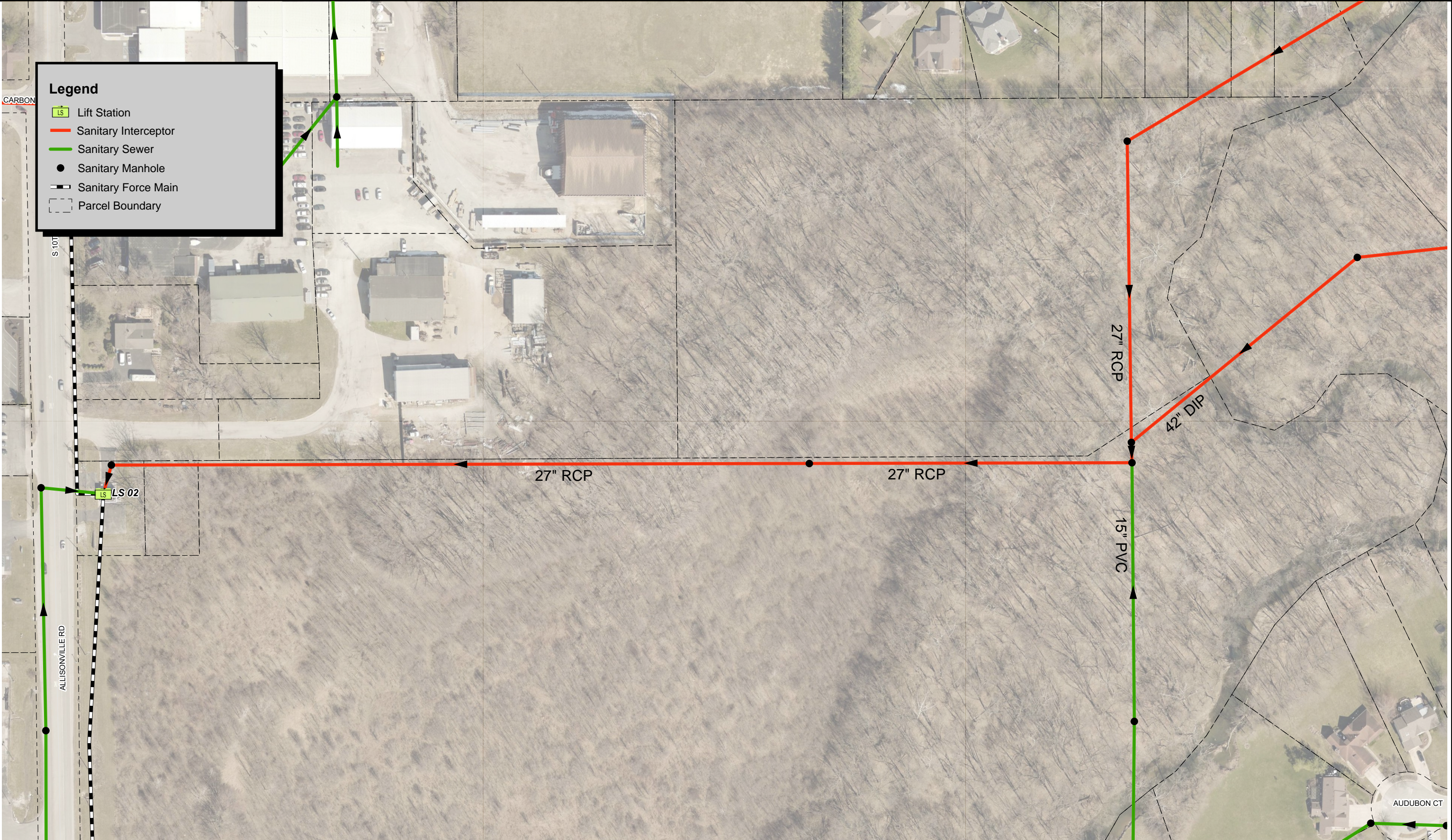
VI. Sequencing and Time for Completion

- A. Submit sequence of construction plan for review.
- B. Minimize interruption to the facility operation during the Work.



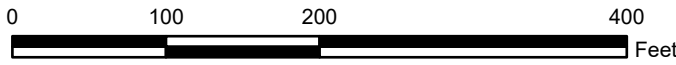
- C. Maintain access by the Owner's operations staff.
- VII. Coordination with Owner During Construction
- A. Construction inspection to be provided by HNTB.
 - B. Engineer will address shop drawings and RFIs.
 - C. Coordinate with Owner on laydown area(s). – *There is room within the easement and on the lift station site for laydown. If more room is required coordinate with the owner.*
- VIII. Addenda
- A. Pre-bid meeting minutes and questions will be issued to all plan holders.
 - B. Final questions (submitted in writing) will be issued in the final Addendum.
- IX. Owner Comments
- A. *Owner will work with the contractor to accommodate issues with staging. There is additional space within a quarter mile at the WWTP if necessary.*
 - B. *Trees will be felled by March 31. No removal of stumps or trees will be performed prior to this project.*
- X. Contractor Questions- See Addendum 1 for responses to questions asked during the Pre-Bid Meeting.
Questions and answers covered during the meeting will be addressed in Addendum 1.
- XI. Contact Information: Karen Saavedra, PE, ksaavedra@structurepoint.com

Path: P:\2019\00267\Drawings\Aerial\Exhibits\GIS Pro\GIS Pro 2019.00267 UI 2023.12.29 Working Map_Pro.aprx Date: 3/4/2025 User: jjudge



Legend

- Lift Station
- Sanitary Interceptor
- Sanitary Sewer
- Sanitary Manhole
- Sanitary Force Main
- Parcel Boundary




AMERICAN
STRUCTUREPOINT
INC.
www.structurepoint.com

48" Interceptor Upstream Manholes

City of Noblesville
16 South 10th Street
Noblesville, IN, 46060

42" Interceptor/48" Interceptor for Influent to LS 2

Date: 3/4/2025

48" INTERCEPTOR TO LIFT STATION NO. 2

Contract: EN-030-2002

ITEMIZED PROPOSAL

Item No.	Description	Quantity	Unit	Unit Price	Extended Price
1	MOBILIZATION AND DEMOBILIZATION	1	LS		
2	DEMOLITION	1	LS		
3	TRAFFIC CONTROL	1	LS		
4	CLEARING AND GRUBBING	1	LS		
5	ASPHALT PAVEMENT EXTENSION	1,160	SY		
6	CONCRETE PAVEMENT	40	SY		
7	CURB AND GUTTER	300	LFT		
8	SITE FENCING	160	LFT		
9	16' MANUAL ACCESS GATE	3	LS		
10	27" GRAVITY SEWER (F679 PVC_115 PSI), > 16 FT DEPTH	14	LFT		
11	48" GRAVITY SEWER (F679 PVC_115 PSI), ≤10 FT DEPTH	803	LFT		
12	48" GRAVITY SEWER (F679 PVC_115 PSI), > 10 FT DEPTH	610	LFT		
13	42" GRAVITY SEWER (F679 PVC_115 PSI), ≤10 FT DEPTH	22	LFT		
14	MANHOLE, STANDARD 7' DIA, SANITARY ≤ 10 FT DEPTH	2	EACH		
15	MANHOLE, STANDARD 7' DIA, SANITARY 15 - 25 FT DEPTH	1	EACH		
16	MANHOLE, STANDARD, 10' DIA, SANITARY 20 FT DEPTH	1	EACH		
17	15" RCP STORM PIPING <10 FT DEPTH	34	LFT		
18	TYPE C MANHOLE <10 FT DEPTH	1	EACH		
19	BYPASS PUMPING FOR CONNECTION TO EXISTING STRUCTURE	1	LS		
20	PUMP BYPASS HOT TAP CONNECTION AND ASSOCIATED PIPING AND STRUCTURAL FOR BYPASS PUMPING DISCHARGE CONNECTION	1	LS		
21	PUMP BYPASS CONNECTION AND ASSOCIATED PIPING AND STRUCTURAL FOR BYPASS PUMPING SUCTION CONNECTION	1	LS		
22	1.5" MILL AND ASPHALT OVERLAY	220	SY		

Base Bid: Total Estimated Construction Costs =

(Figures)

(Words)

These prices are the sum of the unit prices multiplied by the quantity for each item. Whereas any mathematical computation error exists causing Total Estimated Construction Costs to be stated incorrectly, the Undersigned acknowledges that the unit prices, as stated above, shall govern.

The above stated items covers all work, labor, equipment, and manpower to complete project. Prospective quoter accepts and agrees to completed the project in accordance to Contract Information Book and Construction Plans.

Respectfully submitted,

(Individual) Contractor (Partnership) or (Corporation)

By: (SIGNED) _____
By: (TYPED) _____
Title: _____
Address: _____
Date: _____

The above Quoter acknowledges receipt of Addenda Nos. _____

Note: The legal status of the Quoter, whether as an individual, partnership, or corporation must be indicated as above, and all pertinent information as required by the Specifications must be furnished.

Acceptance of offer

By: (SIGNED) _____
By: (TYPED) _____
Title: _____
Date: _____

SECTION 01 20 00 - PRICE AND PAYMENT PROCEDURES

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Schedule of Values.
- B. Application for Payment.
- C. Change procedures.
- D. Defect assessment.
- E. Unit Prices

1.2 SCHEDULE OF VALUES

- A. The Unit Prices submitted as the Bid and incorporated into the Agreement shall serve as the Schedule of Values.

1.3 APPLICATION FOR PAYMENT

- A. Submit electronic file of each Application for Payment on EJCDC C-620 - Contractor's Application for Payment.
- B. Content and Format: Use Schedule of Values for listing items in Application for Payment.
- C. Submit updated construction schedule with each Application for Payment.
- D. Payment Period: Submit at intervals stipulated in the Agreement.
- E. Submit submittals with transmittal letter as specified in Section 01 33 00 - Submittal Procedures.
- F. Substantiating Data: When Engineer requires substantiating information, submit data justifying dollar amounts in question. Include the following with Application for Payment:
 - 1. Current construction photographs specified in Section 01 33 00 - Submittal Procedures.
 - 2. Partial release of liens from major Subcontractors and vendors.
 - 3. Record Documents as specified in Section 01 70 00 - Execution and Closeout Requirements, for review by Owner, which will be returned to Contractor.
 - 4. Affidavits attesting to off-Site stored products.
 - 5. Construction Progress Schedule, revised and current as specified in Section 01 33 00 - Submittal Procedures.

1.4 CHANGE PROCEDURES

- A. Submittals: Submit name of individual who is authorized to receive change documents and is responsible for informing others in Contractor's employ or Subcontractors of changes to the Work.
- B. Carefully study and compare Contract Documents before proceeding with fabrication and installation of Work. Promptly advise Engineer of any error, inconsistency, omission, or apparent discrepancy.
- C. Requests for Interpretations (RFI) and Clarifications of Plan and/or Specification: Allot time in construction scheduling for liaison with Engineer; establish procedures for handling queries and clarifications.
 - 1. Use Owner Form RC-1: Request for Clarification (RFC) or RFI form of Plan and/or Specification for requesting interpretations.
 - 2. Engineer may respond with a direct answer on the Request for Clarification form or other appropriate form included in the Owner's front-end documents.
- D. Engineer will advise of minor changes in the Work not involving adjustment to Contract Sum/Price or Contract Time by issuing supplemental instructions.
- E. Engineer may issue a Contract Change Request including a detailed description of proposed change with supplementary or revised Drawings and Specifications, a change in Contract Time for executing the change with the period of time during which the requested price will be considered valid. Contractor will prepare and submit estimate within five (5) business days.
- F. Document requested substitutions according to Section 01 25 00 - Substitution Procedures.
- G. Unit Price Change Order: For Contract unit prices and quantities, the Change Order will be executed on a fixed unit price basis. For unit costs or quantities of units of that which are not predetermined, execute Work under Work Directive Change. Changes in Contract Sum/Price or Contract Time will be computed as specified for Time and Material Change Order.
- H. Work Directive Change: Engineer may issue directive, on EJCDC C-940 - Work Change Directive signed by Owner, instructing Contractor to proceed with change in the Work, for subsequent inclusion in a Change Order. Document will describe changes in the Work and designate method of determining any change in Contract Sum/Price or Contract Time. Promptly execute change.
- I. Maintain detailed records of Work done on time and material basis. Provide full information required for evaluation of proposed changes and to substantiate costs for changes in the Work.
- J. Document each quotation for change in Project Cost or Time with sufficient data to allow evaluation of quotation.
- K. Change Order Forms: Owner Form AR-6 – Contract Change Order or EJCDC C-941- Change Order.
- L. Execution of Change Orders: Engineer will issue Change Orders for signatures of parties as provided in Conditions of the Contract.

M. Correlation of Contractor Submittals:

1. Promptly revise Schedule of Values and Application for Payment forms to record each authorized Change Order as separate line item and adjust Contract Sum/Price.
2. Promptly revise Progress Schedules to reflect change in Contract Time, revise subschedules to adjust times for other items of Work affected by the change, and resubmit.
3. Promptly enter changes in Record Documents.

1.5 DEFECT ASSESSMENT

- A. Replace the Work, or portions of the Work, not conforming to specified requirements.
- B. If, in the opinion of Engineer, it is not practical to remove and replace the Work, Engineer will direct appropriate remedy or adjust payment.
- C. Individual Specification Sections may modify these options or may identify specific formula or percentage sum/price reduction.
- D. Authority of Engineer and Owner to assess defects and identify payment adjustments is final.
- E. Nonpayment for Rejected Products: Payment will not be made for rejected products for any of the following reasons:
 1. Products wasted or disposed of in a manner that is not acceptable.
 2. Products determined as unacceptable before or after placement.
 3. Products not completely unloaded from transporting vehicle.
 4. Products placed beyond lines and levels of the required Work.
 5. Products remaining on hand after completion of the Work.
 6. Loading, hauling, and disposing of rejected products.

1.6 UNIT PRICES

- A. Authority: Measurement methods are delineated in individual Specification Sections.
- B. Measurement methods delineated in individual Specification Sections complement criteria of this Section.
- C. Take measurements and compute quantities. Inspector will verify measurements and quantities.
- D. Unit Quantities: Quantities and measurements indicated on Bid Form are for Contract purposes only. Actual quantities provided shall determine payment.
 1. When actual Work requires more or fewer quantities than those quantities indicated, provide required quantities at contracted unit sum/prices.
 2. When actual Work requires 25 percent or greater change in quantity than those quantities indicated, Owner or Contractor may claim a Contract Price adjustment.

- E. Payment Includes: Full compensation for required labor, products, tools, equipment, plant and facilities, transportation, services and incidentals; erection, application, or installation of item of the Work; overhead and profit.
- F. Final payment for Work governed by unit prices will be made on basis of actual measurements and quantities accepted by Engineer multiplied by unit sum/price for Work incorporated in or made necessary by the Work.
- G. Measurement of Quantities:
 - 1. Weigh Scales: Inspected, tested, and certified by applicable State weights and measures department within past year.
 - 2. Platform Scales: Of sufficient size and capacity to accommodate conveying vehicle.
 - 3. Metering Devices: Inspected, tested, and certified by applicable State department within past year.
 - 4. Measurement by Weight: Concrete reinforcing steel, rolled or formed steel, or other metal shapes will be measured by handbook weights. Welded assemblies will be measured by handbook or scale weight.
 - 5. Measurement by Volume: Measured by cubic dimension using mean length, width, and height or thickness.
 - 6. Measurement by Area: Measured by square dimension using mean length and width or radius.
 - 7. Linear Measurement: Measured by linear dimension, at item centerline or mean chord.
 - 8. Stipulated Sum/Price Measurement: Items measured by weight, volume, area, or linear means or combination, as appropriate, as completed item or unit of the Work.
- H. Unit Price Schedule:
 - 1. Item 0001: Mobilization and Demobilization;
 - a. Basis of Measurement: Lump Sum.
 - b. The lump sum unit price for this item shall not be more than seven percent (7%) of the total of all other bid items of the original proposal, EXCLUDING the Owner's Contingency bid item.
 - c. Basis of Payment: Shall include, but is not limited to the following principal items as required for the proper performance and completion of the Work.
 - 1) Obtain all required permits, bonds, and insurance.
 - 2) Move on to the site all of CONTRACTOR's material, equipment, and personnel.
 - 3) Install temporary construction utilities, as needed.
 - 4) Install erosion control measures.
 - 5) Provide on-site sanitary facilities and potable water facilities.
 - 6) Construct and implement security features and requirements including fencing.
 - 7) Have all OSHA required notices, and establish safety programs.
 - 8) Complete initial submittal requirements, including preparing schedules.
 - 9) Remove all temporary utilities, field office trailer(s) and furnishings away from project site at project completion as directed by OWNER.
 - 10) Restore surfaces damaged as a result of construction activities, including mobilization and demobilization, which are not included under other Items and as directed by OWNER.
 - d. Payment Details

- 1) For the purpose of payment, the pay quantity for the mobilization portion of the Work will be limited to seventy-five percent (75%) of the total contract bid amount for this Work Item, which will be included in the first partial payment estimate.
 - 2) The balance of the bid price shall be considered as demobilization and will be paid for when all work is completed on the job and final clean-up is completed.
 - 3) No additional payment will be made for demobilization and remobilization, initiated by the CONTRACTOR, due to shutdowns, suspensions of the Work, or for other mobilization activities.
2. Item 0002: Demolition;
 - a. Description: This Work shall consist of all labor, equipment, and materials necessary for Demolition as described in Section 02 41 19.13.
 - b. Basis of Payment: Demolition shall be paid for at the Contract LUMP SUM price as shown in the Itemized Proposal and Declarations.
 - c. Payment Details: Item includes the cost of demolishing designated construction; removing designated items for reuse and Owner's retention; protecting items designated to remain; removing demolished materials; and other pertinent and incidental work as shown in the Contract Documents.
 3. Item 0003: Traffic Control;
 - a. Description: This Work shall consist of all labor, equipment, and materials necessary for traffic control as described in Section 01 50 00.
 - b. Basis of Payment: Traffic Control shall be paid for at the Contract LUMP SUM price as shown in the Itemized Proposal and Declarations.
 - c. Payment Details: Item includes the cost of traffic control materials (Barricades, signs, signals); furnishing, installing, maintaining, and removing traffic control materials; temporary pavement marking; clean up; preparation and submittal of temporary signal designs and traffic control plans to State and local agencies; revisions to traffic control plans and signal designs requested by Owner, state or county; furnishing, installing, maintaining, and removing temporary pavement required for traffic rerouting due to traffic control; maintenance of temporary traffic signals and maintenance of remainder of signalized intersection altered by temporary traffic signals; flag persons; replacement of permanent pavement markings, signs, or signals removed or damaged by construction operations; and other pertinent and incidental work.
 4. Item 0004: Clearing and Grubbing;
 - a. Description: This Work shall consist of all labor, equipment, and materials necessary for clearing and grubbing as described in Section 31 10 00.
 - b. Basis of Payment: Traffic Control shall be paid for at the Contract LUMP SUM price as shown in the Itemized Proposal and Declarations.
 - c. Payment Details: Item includes the cost of removing surface debris; removing designated paving, curbs, and driveway approaches; removing designated trees shrubs and other plant life; removing abandoned utilities; and other pertinent and incidental work as shown in the Contract Documents.
 5. Item 0005: Asphalt Pavement Extension;
 - a. Measurement: Work specified in this Section is measured per square yard of raw material used for paving or resurfacing.
 - b. Description: This Work shall consist of all labor, equipment, and materials necessary for full depth asphalt pavement as described in Section 32 12 16.
 - c. Basis of Payment: This contract item shall consist of all material, labor and equipment to provide and install Asphalt Hot Mix Asphalt (HMA) aggregate base,

intermediate, and surface as trench restoration and resurfacing as shown on the plans, including, but not necessarily limited to: removal and proper disposal of existing and temporary pavement; asphalt pavement; surface preparation; tack coat; replacement or repair of utilities, drainage systems, structures, and miscellaneous property; removal and replacement of all snow plowable raised pavement markers and blue hydrant markings as directed by Owner; and clean-up, as shown in the Contract Documents.

6. Item 0006: Concrete Pavement;
 - a. Measurement: Work specified in this Section is measured per square yard of raw material used for concrete paving or resurfacing.
 - b. Description: This Work shall consist of all labor, equipment, and materials necessary for concrete pavement as described in Section 32 13 13.
 - c. Basis of Payment: This contract item shall consist of all material, labor and equipment to provide and install PCCP for approaches, subbase, geogrid and subgrade treatment as shown on the plans, including, but not necessarily limited to: removal and proper disposal of existing and temporary pavement; concrete pavement; surface preparation; replacement or repair of utilities, drainage systems, structures, and miscellaneous property; removal and replacement of all snow plowable raised pavement markers and blue hydrant markings as directed by Owner; and clean-up, as shown in the Contract Documents.
7. Item 0007: Curb and Gutter;
 - a. Measurement: Work specified in this Section is measured per linear foot of curb and gutter.
 - b. Description: This Work shall consist of all labor, equipment, and materials necessary for concrete curbs and gutters as described in Section 32 13 13.
 - c. Basis of Payment: This contract item shall consist of all material, labor and equipment to provide and install PCCP for curbs and gutters as shown on the plans, including, but not necessarily limited to: removal and proper disposal of existing and temporary curbs and gutters; concrete curbs and gutters; surface preparation; replacement or repair of utilities, drainage systems, structures, and miscellaneous property; and clean-up, as shown in the Contract Documents.
8. Item 0008: Site Fencing;
 - a. Measurement: Work specified in this Section is measured per linear foot of fence.
 - b. Description: This Work shall consist of all labor, equipment, and materials necessary for chain link fence as described in Section 32 31 13.
 - c. Basis of Payment: This contract item shall consist of all material, labor and equipment to provide and install chain link fence as shown on the Contract Documents.
9. Item 0009: 16' Manual Access Gate;
 - a. Measurement: Work specified in this Section is measured per EACH gate.
 - b. Description: This Work shall consist of all labor, equipment, and materials necessary for cantilever gate as described in Section 32 31 13.
 - c. Basis of Payment: This contract item shall consist of all material, labor and equipment to provide and install chain link gate as shown on the Contract Documents.
10. Item 0010: 27" Gravity Sewer (F679_115 psi), > 16' Deep; Section 33 31 00.
 - a. Basis of Measurement: By linear foot.
 - b. Basis of Payment: Includes all excavation; permanent and temporary shoring of the excavation; existing pavement saw cutting, removal, and disposal; groundwater control, treatment and disposal; furnishing and installing pipe and fittings, bedding, haunching, cover, flowable fill, granular material, initial and final backfill and

compaction; testing; watertight plugs; televising; protection, replacement or repair of utilities, drainage systems, structures, and miscellaneous property; maintaining service, removal, replacement, and reconnection of all existing water service lines which were moved for CONTRACTOR's convenience; support of utility crossings; removal and legal disposal of surplus excavated material; Connection of new sanitary sewer to existing manhole including but not limited to core drilling and providing water-tight seal to existing manhole; erosion control; seeding and grading; and clean up, all in accordance with the Contract Documents.

11. Item 0011: 48" Gravity Sewer (F679_115 psi), < or equal to 10' Deep; Section 33 31 00.
 - a. Basis of Measurement: By linear foot.
 - b. Basis of Payment: Includes all excavation; permanent and temporary shoring of the excavation; existing pavement saw cutting, removal, and disposal; groundwater control, treatment and disposal; furnishing and installing pipe and fittings, bedding, haunching, cover, flowable fill, granular material, initial and final backfill and compaction; testing; watertight plugs; televising; protection, replacement or repair of utilities, drainage systems, structures, and miscellaneous property; maintaining service, removal, replacement, and reconnection of all existing water service lines which were moved for CONTRACTOR's convenience; support of utility crossings; removal and legal disposal of surplus excavated material; erosion control; seeding and grading; and clean up, all in accordance with the Contract Documents.
12. Item 0012: 48" Gravity Sewer (F679_115 psi), > 10' Deep; Section 33 31 00.
 - a. Basis of Measurement: By linear foot.
 - b. Basis of Payment: Includes all excavation; permanent and temporary shoring of the excavation; existing pavement saw cutting, removal, and disposal; groundwater control, treatment and disposal; furnishing and installing pipe and fittings, bedding, haunching, cover, flowable fill, granular material, initial and final backfill and compaction; testing; watertight plugs; televising; protection, replacement or repair of utilities, drainage systems, structures, and miscellaneous property; maintaining service, removal, replacement, and reconnection of all existing water service lines which were moved for CONTRACTOR's convenience; support of utility crossings; removal and legal disposal of surplus excavated material; erosion control; seeding and grading; and clean up, all in accordance with the Contract Documents.
13. Item 0013: 42" Gravity Sewer (F679_115 psi), < or equal to 10' Deep; Section 33 31 00.
 - a. Basis of Measurement: By linear foot.
 - b. Basis of Payment: Includes all excavation; permanent and temporary shoring of the excavation; existing pavement saw cutting, removal, and disposal; bypass pumping; removal of existing plug; connection to existing wall piece and junction chamber; groundwater control, treatment and disposal; grout; wall seal; furnishing and installing pipe and fittings, bedding, haunching, cover, flowable fill, granular material, initial and final backfill and compaction; testing; watertight plugs; televising; protection, replacement or repair of utilities, drainage systems, structures, and miscellaneous property; maintaining service, removal, replacement, and reconnection of all existing water service lines which were moved for CONTRACTOR's convenience; support of utility crossings; removal and legal disposal of surplus excavated material; erosion control; seeding and grading; and clean up, all in accordance with the Contract Documents.

14. Items 0014-0016: Manhole, Standard, Various Diameters, Sanitary, Various Depths. Section 33 05 13.
 - a. Basis of Measurement: By each manhole.
 - b. Basis of Payment: Includes all pavement saw cutting; excavation; removal and disposal of existing pipe and fittings; permanent and temporary shoring of the excavation; groundwater control, treatment and disposal; base sections, riser sections, tops, access frame and casting; adjusting rings; pipe connections; chimney seals; core drilling and modification to openings; flexible watertight pipe seals; installation of flow channels and benches; waterproofing of manhole; bituminous coating; joint materials; external frame seal; reinforcement steel; flowable fill; granular material; bedding; backfill and compaction; testing; protection, support, replacement or repair of utilities, drainage systems, structures, and miscellaneous property; removal of surplus excavated material; erosion control; and clean-up, all in accordance with the Contract Documents.
15. Item 0017: 15" RCP Storm Piping < 10' Deep; Section 33 41 00.
 - a. Basis of Measurement: By linear foot.
 - b. Basis of Payment: Includes all excavation; permanent and temporary shoring of the excavation; existing pavement saw cutting, removal, and disposal; groundwater control, treatment and disposal; furnishing and installing pipe and fittings, bedding, haunching, cover, flowable fill, granular material, initial and final backfill and compaction; testing; watertight plugs; televising; protection, replacement or repair of utilities, drainage systems, structures, and miscellaneous property; maintaining service, removal, replacement, and reconnection of all existing water service lines which were moved for CONTRACTOR's convenience; support of utility crossings; removal and legal disposal of surplus excavated material; erosion control; seeding and grading; and clean up, all in accordance with the Contract Documents.
16. Item 0018: Type C Manhole < 10' Deep; Section 33 41 00.
 - a. Basis of Measurement: By each manhole.
 - b. Basis of Payment: Includes all pavement saw cutting; excavation; removal and disposal of existing pipe and fittings; permanent and temporary shoring of the excavation; groundwater control, treatment and disposal; base sections, riser sections, tops, access frame and casting; adjusting rings; pipe connections; chimney seals; core drilling and modification to openings; flexible watertight pipe seals; installation of flow channels and benches; reconnection to existing piping; waterproofing of manhole; bituminous coating; joint materials; external frame seal; reinforcement steel; flowable fill; granular material; bedding; backfill and compaction; testing; protection, support, replacement or repair of utilities, drainage systems, structures, and miscellaneous property; removal of surplus excavated material; erosion control; and clean-up, all in accordance with the Contract Documents.
17. Item 0019: Bypass Pumping for Connection to Existing Structure;
 - a. Description: This Work shall consist of all labor, equipment, and materials necessary for bypass pumping as described in Section 01 51 00.
 - b. Basis of Payment: Bypass Pumping shall be paid for at the Contract LUMP SUM price as shown in the Itemized Proposal and Declarations.
 - c. Payment Details: Item includes all labor, supervision, tools, equipment, and materials to perform all operations in connection with pumping of sewage and wet weather flows on the 27-inch interceptor; and other pertinent and incidental work.
18. Item 0020: Pump Bypass Hot Tap Connection and Associated Piping and Structural for Bypass Pumping Discharge Connection;

- a. Description: This Work shall consist of all labor, equipment, and materials necessary for Bypass Pumping Discharge Connection as described in Sections 33 05 09.33, 33 34 00, 40 05 51, 40 05 61.23.
 - b. Basis of Payment: Bypass Pumping Discharge Connection shall be paid for at the Contract LUMP SUM price as shown in the Itemized Proposal and Declarations.
 - c. Payment Details: Item includes all equipment, materials and labor to install and test the Bypass Pumping Discharge Connection as shown and described in the Contract Documents and all other pertinent and incidental work as shown in the Contract Documents.
19. Item 0021: Pump Bypass Connection and Associated Piping and Structural for Bypass Pumping Suction Connection;
- a. Description: This Work shall consist of all labor, equipment, and materials necessary for Bypass Pumping Suction Connection as described in Sections 33 05 09.33, 33 34 00, 40 05 51, 40 05 61.23.
 - b. Basis of Payment: Bypass Pumping Suction Connection shall be paid for at the Contract LUMP SUM price as shown in the Itemized Proposal and Declarations.
 - c. Payment Details: Item includes all equipment, materials and labor to install and test the Bypass Pumping Suction Connection as shown and described in the Contract Documents and all other pertinent and incidental work as shown in the Contract Documents.
20. Item 0022: 1.5" Mill and Asphalt Overlay; Section 32 12 16.00.
- a. Measurement: Work specified in this section is measured per square yard of pavement milled at a depth of 1.5 inches.
 - b. Basis of Payment: This contract item shall consist of all material, labor and equipment to prepare a foundation for resurfacing by removing existing pavement surfaces as shown in the Contract Documents including but not limited to: disposal of material and clean-up in accordance with the Contract Documents as well as all material, labor and equipment to provide and install Asphalt Hot Mix Asphalt (HMA) aggregate surface as shown on the plans, including, but not necessarily limited to: removal and proper disposal of existing and temporary pavement; asphalt pavement; surface preparation; tack coat; replacement or repair of utilities, drainage systems, structures, and miscellaneous property; and clean-up, as shown in the Contract Documents.

PART 2 - PRODUCTS - Not Used

PART 3 - EXECUTION - Not Used

END OF SECTION 01 20 00