

ADDENDUM NO. 1

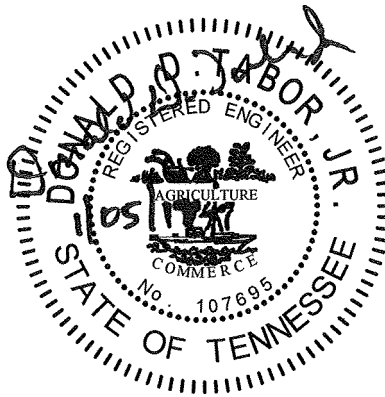
MOCCASIN BEND WASTEWATER TREATMENT PLANT DETRITORS REHABILITATION CONTRACT NO. W-15-001-201

CITY OF CHATTANOOGA, TENNESSEE

The following information from the Pre-bid Conference held at 11:00 a.m. on January 5, 2017 at the Training Center at Moccasin Bend Wastewater Treatment Plant is being provided:

I. INFORMATION FROM PRE-CONFERENCE MEETING

- A. **PDF copies** of the Sign-In Sheet and Power Point presentation by CTI Engineers, Inc. are attached.
- B. **Section 00 21 13, Instruction to Bidders.** Page 00 21 13-8, Paragraph 15.01, **Please Note:** The Bidder shall submit one original and two copies of all documents in the envelope.
- C. **Section 00 21 13, Instruction to Bidders.** Page 00 21 13-8, Paragraph 15.02, **Please Note:** The envelope must also bear on the outside the following; the Contractor's Identification.
- D. **A Second Site Visit** is scheduled for Monday, January 9, 2017, at 2:00 PM EST. Attendees are asked to park in the parking lot behind the Guard House.



Bidder Must Acknowledge Receipt of this Addendum on Bid Form

Addendum Prepared by
CTI ENGINEERS, INC.
January 5, 2017

CITY OF CHATTANOOGA
MOCCASIN BEND WASTEWATER TREATMENT PLANT
DETRITORS REHABILITATION
CONSENT DECREE PROJECT, W-15-001-201
PREBID CONFERENCE SIGN-IN SHEET
JANUARY 5, 2017, 11:00 A.M., MBWWTP TRAINING FACILITY

Name	Title	Representing	Phone Number	E-Mail Address
Allen D. Stephens, P.E.	Project Manager	CTI Engineers, Inc.	423.267.7613	astephens@ctiengr.com
Don Tabor, P.E.	Assistant Project Mgr.	CTI Engineers, Inc.	423.267.7613	dtabor@ctiengr.com
Cain Maynard	Sunbelt Rentals Pump & Power	→	615-838-2854	Cain, Maynard @sunbeltrentals.com
Rick Hession	ESTIMATOR	HARLEN CONSTRUCTION	423-263-5561	COBBIN@harlenconstruction.com rhesler@harlenconstruction.com
Charles Hurst	Estimator	Planet, Inc.	865-803-4010	charlesbh@charter.net
Jason Penick	Field Superintendent	Planet, Inc.	865-354-0605	Planet, Inc @comcast.net
Jason Miller	Util. of Operations	Municipal Hydro Serv.	770-296-1742	jason@municipalhydro.com
Luke Zakrzewski	SURVEYOR	3D Enterprises	770-714-7148	LTZ@3DKY.com
Tina Conn	Protect manager	Active Environmental	205-639-3896	Tina.Conn@actn.com
Daniel Yoder	Coatings Division Mgr	Active Environmental	(256) 267-5279	daniel.yoder@actn.com
Danny Hayes	Josh Moon	P.F. Mearls	(206) 693-1521	Josh Moon @PFmoon.com
Robert Calhoun	Estimator	Adman Electric	423-595-7583	R.Calhoun@admanelectric.com
Blair Annen	City	City	643 6179	
Conderted Teddy	Engineer	Southern Star Construction	423-800-2803	Southern Star Construction @mail.com
MIKE WILKINSON	PM	SANEMARSHALL LLC	423-608-3132	MIKE@SANEMARSHALL.COM
Michael Morningstar	CM	Wright Brothers	423-284-4155	mmorningstar@wBocI.com

CITY OF CHATTANOOGA

MOCCASIN BEND WASTEWATER TREATMENT PLANT

DETRITORS REHABILITATION

CONSENT DECREE PROJECT, W-15-001-201

PREBID CONFERENCE SIGN-IN SHEET

JANUARY 5, 2017, 11:00 A.M., MBWWTP TRAINING FACILITY

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Moccasin Bend Wastewater Treatment Plant Detritors Rehabilitation Consent Decree Project W-15-001-201

Pre-Bid Conference

January 5, 2017

11:00 AM

Training Facility at

**Moccasin Bend Wastewater Treatment
Plant**

Introductions

Project Manager:

Allen Stephens, PE

CTI Engineers

1122 Riverfront Parkway

Chattanooga, TN

Phone: 423-267-7613

Deputy Purchasing Manager:

Debbie Talley

City of Chattanooga

101 E. 11th Street (Suite G13)

Chattanooga, TN

Phone: 423-643-7239

dtalley@chattanooga.gov

Assistant Project Manager:

Don Tabor, P.E.

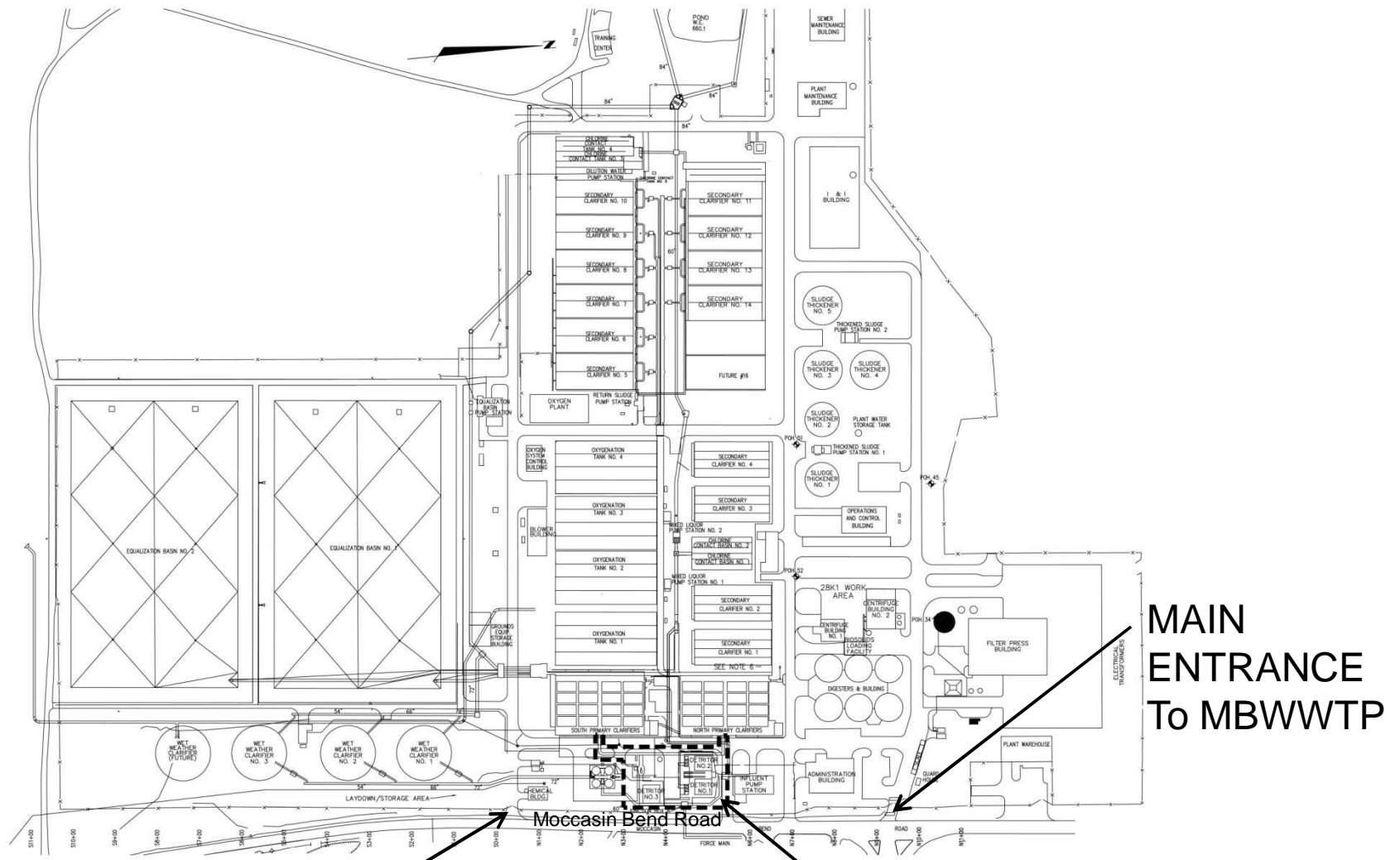
CTI Engineers

1122 Riverfront Parkway

Chattanooga, TN

Phone: 423-267-7613

Project Location

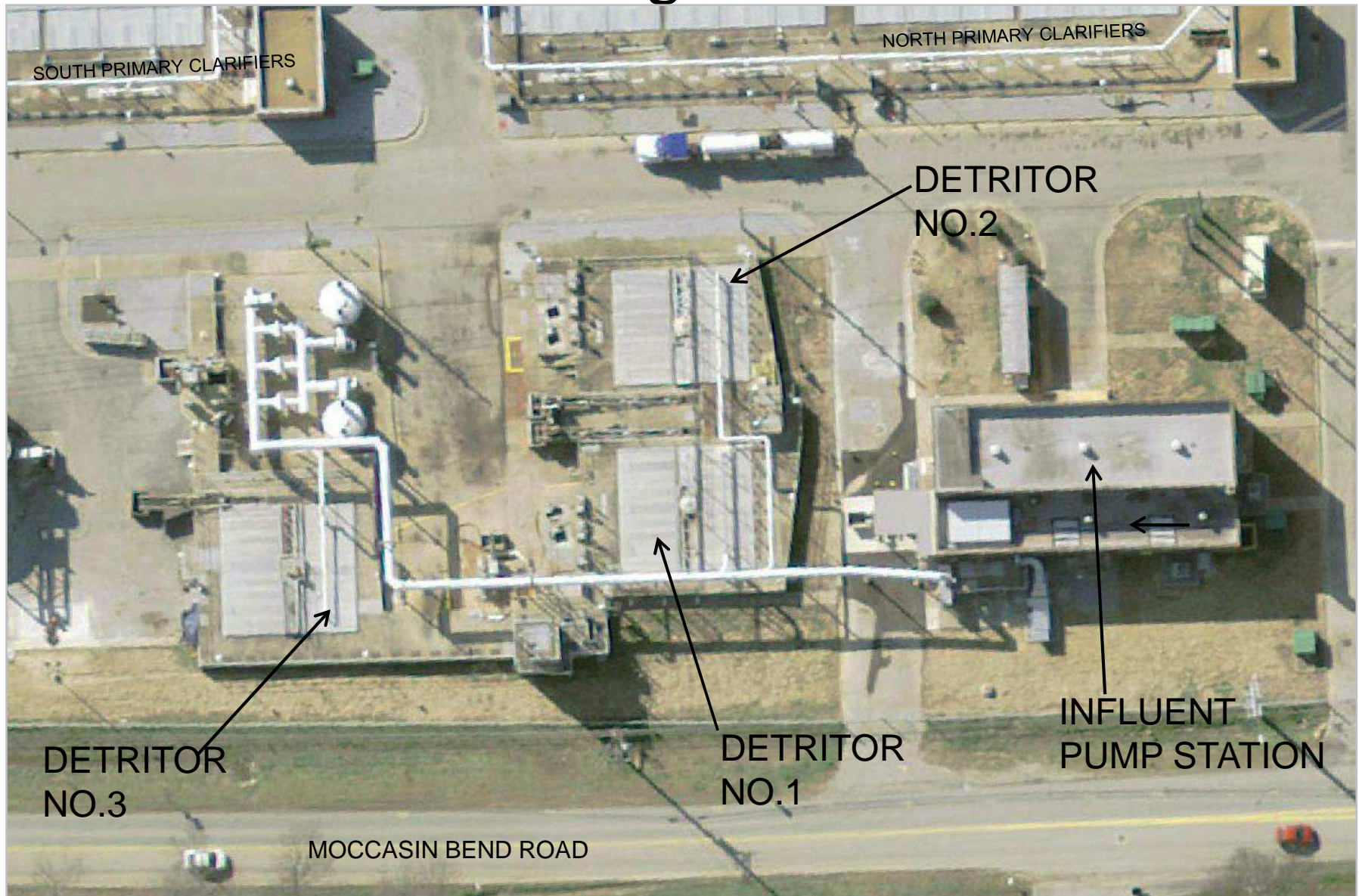


CONSTRUCTION
ENTRANCE

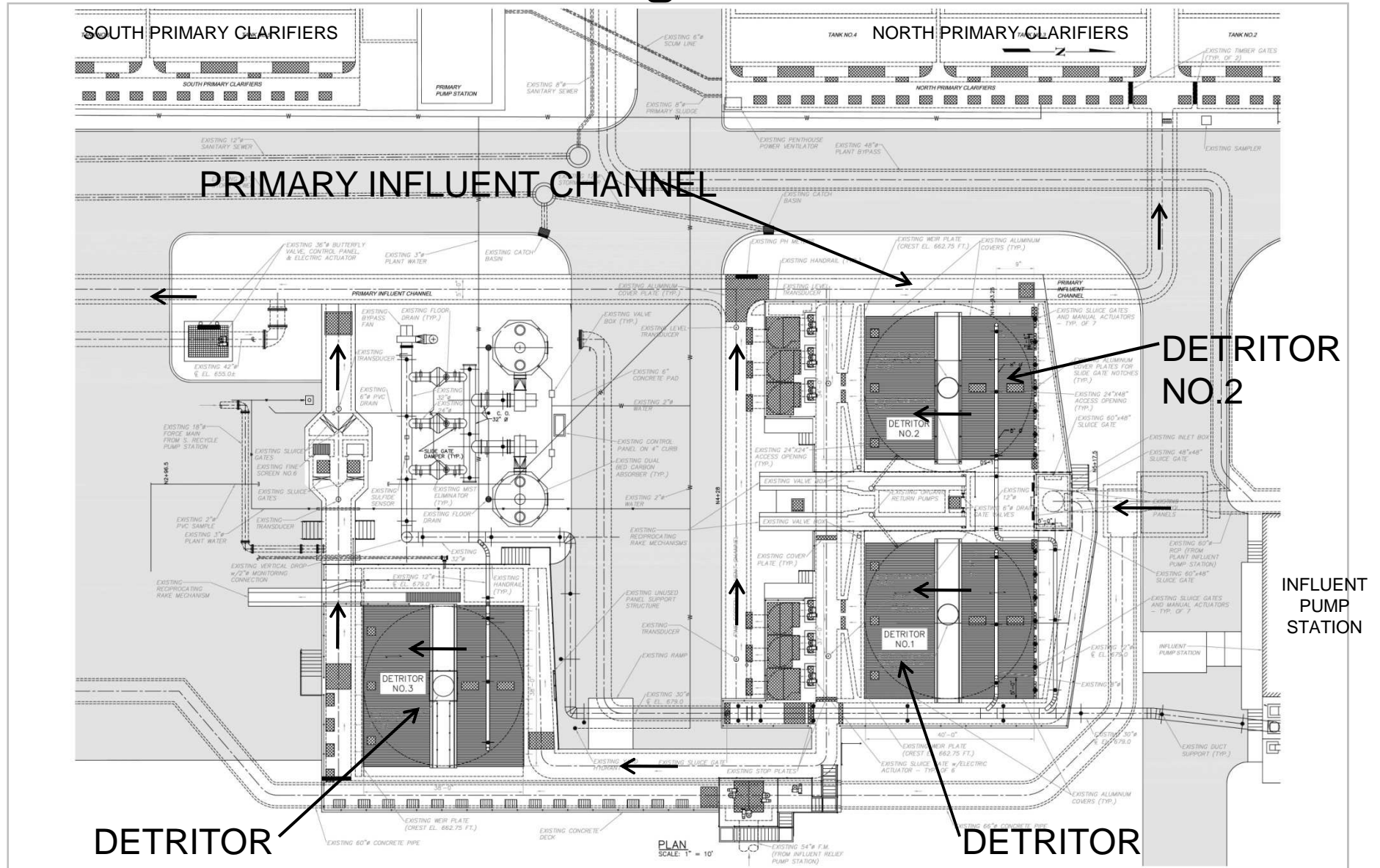


CONTRACT
W-15-001-201
WORK AREA

Existing Site Plan



Existing Site Plan



(from Sheet G4 of G5 in Drawings)

Major Project Work Elements

- Demolition/Removal of Various Mechanical, Structural, and Electrical Elements.
- Removal and Replacement of the Existing Grit Collector/Separator and Reciprocating Rake Mechanisms at Detritors 1 and 2.
- Installation of New Slide Gates and Electric Actuators.

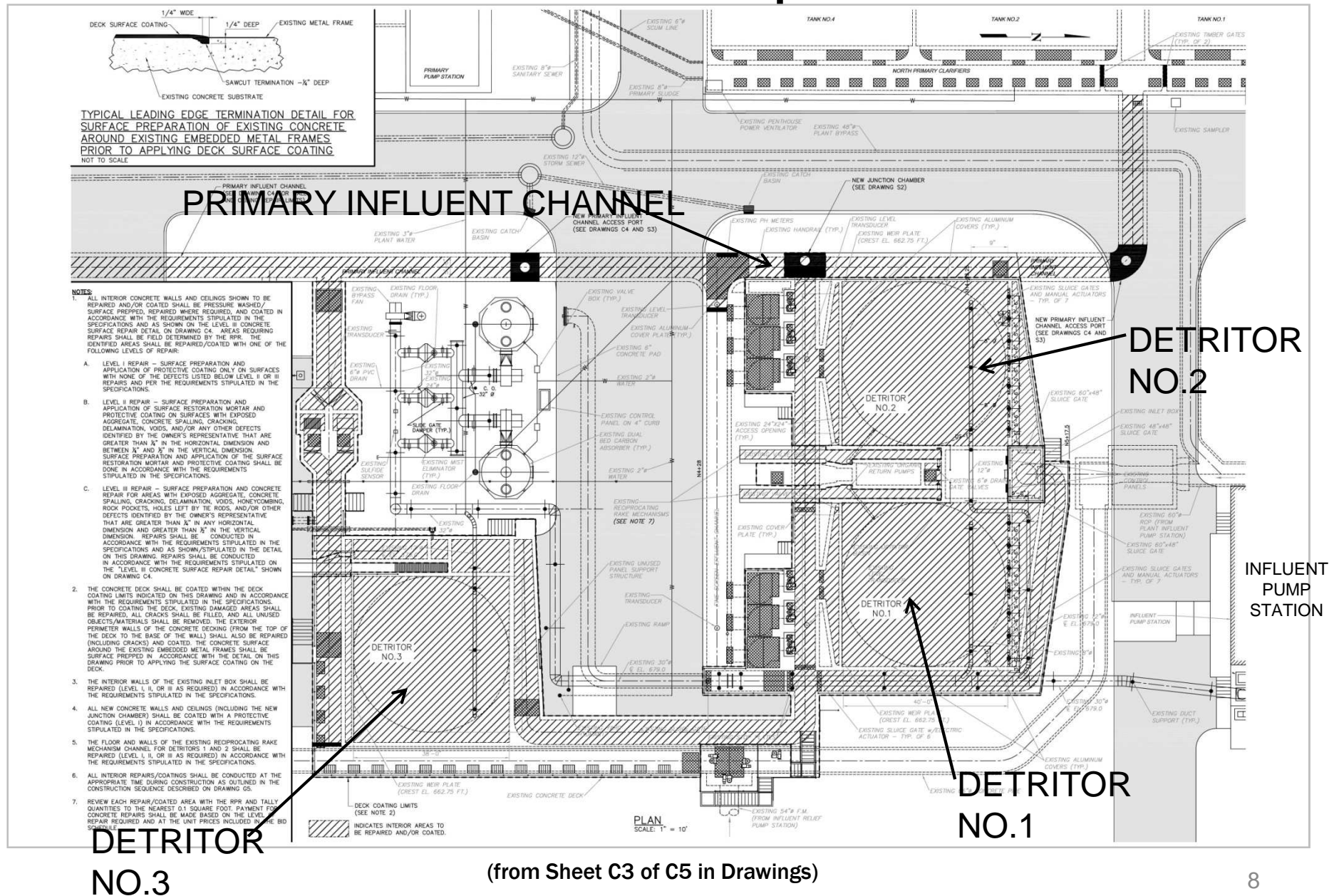


Major Project Work Elements (Cont.)

- Miscellaneous Concrete Structure Modifications & Additions (ie. New Junction Chamber & Slide Gates; 3 New Access Portals into Primary Clarifier Influent Channel; Removal of Inlet Box Top Slab; etc.).
- Cleaning, Restoration, and Coating of Existing Interior and Exterior Concrete Surfaces at Various Locations.



Concrete Surface Improvements



(from Sheet C3 of C5 in Drawings)

Detritor No.1



Detritor No.1



Detritor No.1



Detritor No.1



Detritor No.2



Detritor No.2



Detritor No.2



Detritor No.2



Detritor No.2



Detritor No.2



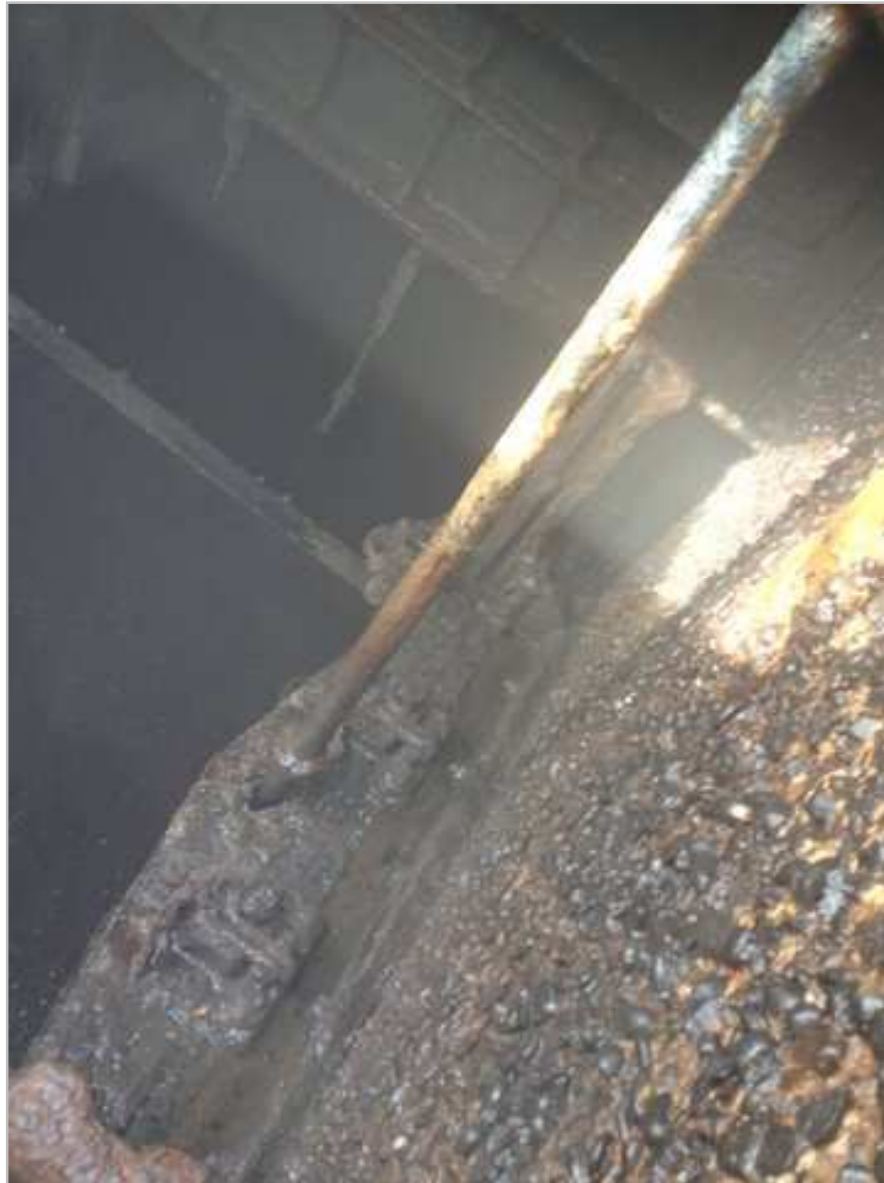
Inlet Box



Inlet Box



Inlet Box



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Inlet Box

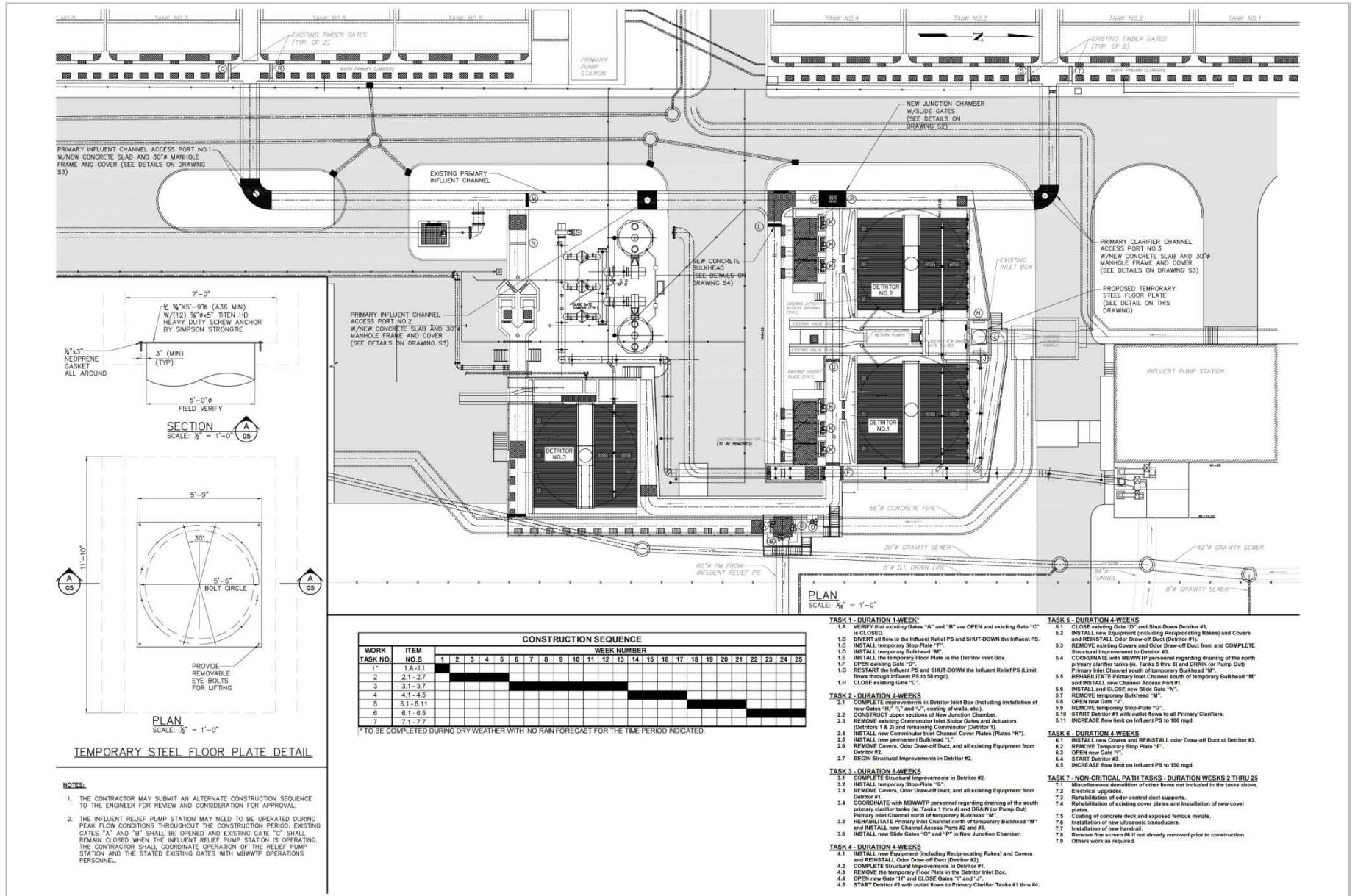


Major Project Work Elements (Cont.)

- Cleaning and Coating of 38 Existing Odor Control Duct Supports.
- Miscellaneous Electrical Improvements.
- Miscellaneous Metal Fabrication Modifications and Improvements.
- Other Miscellaneous Improvements.



Construction Sequence



(from Sheet G5 of G5 in Drawings)

Construction Sequence

CONSTRUCTION SEQUENCE																										
WORK TASK NO.	ITEM NO.S	WEEK NUMBER																								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1*	1.A - 1.I																									
2	2.1 - 2.7																									
3	3.1 - 3.7																									
4	4.1 - 4.5																									
5	5.1 - 5.11																									
6	6.1 - 6.5																									
7	7.1 - 7.7																									

* TO BE COMPLETED DURING DRY WEATHER WITH NO RAIN FORECAST FOR THE TIME PERIOD INDICATED.

TASK 1 - DURATION 1-WEEK*

- 1.A VERIFY that existing Gates "A" and "B" are OPEN and existing Gate "C" is CLOSED.
- 1.B DIVERT all flow to the Influent Relief PS and SHUT-DOWN the Influent PS.
- 1.C INSTALL temporary Stop-Plate "F".
- 1.D INSTALL temporary Bulkhead "M".
- 1.E INSTALL the temporary Floor Plate in the Detritor Inlet Box.
- 1.F OPEN existing Gate "D".
- 1.G RESTART the Influent PS and SHUT-DOWN the Influent Relief PS (Limit flows through Influent PS to 50 mgd).
- 1.H CLOSE existing Gate "C".

TASK 2 - DURATION 4-WEEKS

- 2.1 COMPLETE improvements in Detritor Inlet Box (Including installation of new Gates "H," "I," and "J", coating of walls, etc.).
- 2.2 CONSTRUCT upper sections of New Junction Chamber.
- 2.3 REMOVE existing Comminutor Inlet Sluice Gates and Actuators (Detritors 1 & 2) and remaining Comminutor (Detritor 1).
- 2.4 INSTALL new Comminutor Inlet Channel Cover Plates (Plates "K").
- 2.5 INSTALL new permanent Bulkhead "L".
- 2.6 REMOVE Covers, Odor Draw-off Duct, and all existing Equipment from Detritor #2.
- 2.7 BEGIN Structural Improvements in Detritor #2.

TASK 3 - DURATION 8-WEEKS

- 3.1 COMPLETE Structural Improvements in Detritor #2.
- 3.2 INSTALL temporary Stop-Plate "G".
- 3.3 REMOVE Covers, Odor Draw-off Duct, and all existing Equipment from Detritor #1.
- 3.4 COORDINATE with MBWWTP personnel regarding draining of the south primary clarifier tanks (ie. Tanks 1 thru 4) and DRAIN (or Pump Out) Primary Inlet Channel north of temporary Bulkhead "M".
- 3.5 REHABILITATE Primary Inlet Channel north of temporary Bulkhead "M" and INSTALL new Channel Access Ports #2 and #3.
- 3.6 INSTALL new Slide Gates "O" and "P" in New Junction Chamber.

TASK 4 - DURATION 4-WEEKS

- 4.1 INSTALL new Equipment (including Reciprocating Rakes) and Covers and REINSTALL Odor Draw-off Duct (Detritor #2).
- 4.2 COMPLETE Structural Improvements in Detritor #1.
- 4.3 REMOVE the temporary Floor Plate in the Detritor Inlet Box.
- 4.4 OPEN new Gate "H" and CLOSE Gates "I" and "J".
- 4.5 START Detritor #2 with outlet flows to Primary Clarifier Tanks #1 thru #4.

TASK 5 - DURATION 4-WEEKS

- 5.1 CLOSE existing Gate "D" and Shut-Down Detritor #3.
- 5.2 INSTALL new Equipment (including Reciprocating Rakes) and Covers and REINSTALL Odor Draw-off Duct (Detritor #1).
- 5.3 REMOVE existing Covers and Odor Draw-off Duct from and COMPLETE Structural Improvement to Detritor #3.
- 5.4 COORDINATE with MBWWTP personnel regarding draining of the north primary clarifier tanks (ie. Tanks 5 thru 8) and DRAIN (or Pump Out) Primary Inlet Channel south of temporary Bulkhead "M".
- 5.5 REHABILITATE Primary Inlet Channel south of temporary Bulkhead "M" and INSTALL new Channel Access Port #1.
- 5.6 INSTALL and CLOSE new Slide Gate "N".
- 5.7 REMOVE temporary Bulkhead "M".
- 5.8 OPEN new Gate "J".
- 5.9 REMOVE temporary Stop-Plate "G".
- 5.10 START Detritor #1 with outlet flows to all Primary Clarifiers.
- 5.11 INCREASE flow limit on Influent PS to 100 mgd.

TASK 6 - DURATION 4-WEEKS

- 6.1 INSTALL new Covers and REINSTALL odor Draw-off Duct at Detritor #3.
- 6.2 REMOVE Temporary Stop Plate "F".
- 6.3 OPEN new Gate "I".
- 6.4 START Detritor #3.
- 6.5 INCREASE flow limit on Influent PS to 150 mgd.

TASK 7 - NON-CRITICAL PATH TASKS - DURATION WESKS 2 THRU 25

- 7.1 Miscellaneous demolition of other Items not included in the tasks above.
- 7.2 Electrical upgrades.
- 7.3 Rehabilitation of odor control duct supports.
- 7.4 Rehabilitation of existing cover plates and Installation of new cover plates.
- 7.5 Coating of concrete deck and exposed ferrous metals.
- 7.6 Installation of new ultrasonic transducers.
- 7.7 Installation of new handrail.
- 7.8 Remove fine screen #6 if not already removed prior to construction.
- 7.9 Others work as required.

(from Sheet G5 of G5 in Drawings)

Bid Date

- Bid Date is Thursday, January 26, 2017 at 2:00 pm.
- City of Chattanooga at City Hall
Purchasing Department (Suite G13) 101
East 11th Street Chattanooga,
TN 37402.



Request for Information (RFI)

- Submit to City Purchasing (Use RFI Form).
- Deadline to Submit – January 12th
- Issue Response to RFI's – January 19th
- Bid Opening – January 26th



REQUEST FOR BIDDER INFORMATION

Questions regarding the project or the Bid Documents must be in writing as required by the Instruction to Bidders. Questions must be written on this form and sent by email, fax or mail to the email, fax number or address listed below. Upon timely receipt, if appropriate, an Addendum will then be issued to all persons who have received Bid Documents from the Owner.

City of Chattanooga
Purchasing Department
101 E. 11th Street, Suite G13
Chattanooga, TN 37402
bidinfo@chattanooga.gov
Phone Number: (423) 643-7230
Fax Number: (423) 643-7244

Contract: **MOCCASIN BEND WASTEWATER TREATMENT PLANT
DETRITORS REHABILITATION**

Contract Number: **W-15-001-201**

From: _____

Company: _____

Date: _____

CLARIFICATION IS NEEDED FOR THE FOLLOWING ITEMS:
(List Specification Section, Paragraph, Drawing Number and/or Detail Number)

END OF DOCUMENT

00009-1

Bidding Information

- Bid Documents are Provided in Electronic Format on the Flash Drive:
 - Design Drawings (43 Sheets).
 - Volume I of I Project Manual.
- Contract Time is 300 calendar days (120 days for submittals review, material/equipment procurement, development of construction sequence, etc. and 180 days for work to be executed on site).



Bidding Information (Cont.)

- Project is 100% Locally Funded.
- Schedule IA – Lump Sum Base Bid (Includes all Work Except for the Items Listed in Schedule IB and the Deductive Alternates Listed in Schedules, II, III, IV, and V).



Bidding Information (Cont.)

- Schedule IB – Unit Price Base Bid (Includes Unit Prices for Concrete Repairs/Protective Coatings, a Cash Allowance of \$7,500 for Concrete Testing, and a Cash Allowance of \$20,000 for Odor Control Duct Inspections/ Repairs).
- Schedule II – Deductive Alternate for Deletion of New Support Bridges/Handrail and Coating/ Reusing Existing Bridges (Detritors 1 and 2).



Bidding Information (Cont.)

- Schedule III – Deductive Alternate for 30-Day Contract Time Extension.
- Schedule IV – Deductive Alternate for 60-Day Contract Time Extension.
- Schedule V – Deductive Alternate for 90-Day Contract Time Extension.



Bidding Information (Cont.)

- No Item of Material or Equipment will be Considered by the Engineer as a Substitute or as “Or-Equal” unless a Written Request for Approval has been Submitted by the Bidder and has been Received by the Engineer at Least 15 Days Prior to the Date for Receipt of Bids.



Thank You for Your Time!!!

Questions??

Project Contacts:

Project Manager:
Allen Stephens, PE
CTI Engineers
1122 Riverfront Parkway
Chattanooga, TN
Phone: 423-267-7613

Deputy Purchasing Manager:
Debbie Talley
City of Chattanooga
101 E. 11th Street (Suite G13)
Chattanooga, TN
Phone: 423-643-7239
dtalley@chattanooga.gov



Existing Site Plan

