

ERIE COUNTY WATER AUTHORITY  
 AUTHORIZATION FORM  
 For Approval/Execution of Documents  
 (check which apply)

**Contract:** 19-02-01 **Project No.:** 201900005  
**Project Description:** Large Service Contract, February 1, 2019 to January 31, 2021

**Item Description:**

Agreement     Professional Service Contract     Amendment     Change Order  
 BCD     NYSDOT Agreement     Contract Documents     Addendum  
 Recommendation for Award of Contract     Recommendation to Reject Bids  
 Request for Proposals  
 Other \_\_\_\_\_

**Action Requested:**

Board Authorization to Execute     Legal Approval  
 Board Authorization to Award     Execution by the Chairman  
 Board Authorization to Advertise for Bids     Execution by the Secretary to the Authority  
 Board Authorization to Solicit Request for Proposals  
 Other \_\_\_\_\_

**Approvals Needed:**

**APPROVED AS TO CONTENT:**

<input checked="" type="checkbox"/> Sr. Distribution Engineer	<u><i>Bill P.</i></u>	Date: <u>12/8/2020</u>
<input checked="" type="checkbox"/> Chief Operating Officer	<u><i>Russell Steel</i></u>	Date: <u>12/8/2020</u>
<input checked="" type="checkbox"/> Executive Engineer	<u><i>Jeanne F. Donalick</i></u>	Date: <u>12/08/2020</u>
<input checked="" type="checkbox"/> Director of Administration	<u><i>Deborah J. Leste</i></u>	Date: <u>12/08/2020</u>
<input checked="" type="checkbox"/> Risk Manager	<u><i>Molly G. Musarra</i></u>	Date: <u>12/08/2020</u>
<input checked="" type="checkbox"/> Chief Financial Officer	<u><i>Karen A. Prudenogast</i></u>	Date: <u>12/08/2020</u>
<input checked="" type="checkbox"/> Legal	<u><i>Margaret A. Murphy</i></u>	Date: <u>12/8/2020</u>

**APPROVED FOR BOARD RESOLUTION:**

<input checked="" type="checkbox"/> Secretary to the Authority	<u><i>[Signature]</i></u>	Date: <u>12/8/2020</u>
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**Remarks:** Change Order #2.

**Resolution Date:** \_\_\_\_\_ **Item No:** \_\_\_\_\_



# ERIE COUNTY WATER AUTHORITY

## INTEROFFICE MEMORANDUM

December 7, 2020

To: Terrence D. McCracken, Secretary to the Authority

From: Michael J. Quinn, Senior Distribution Engineer

A handwritten signature in black ink, appearing to be "MJQ", is written over the name "Michael J. Quinn".

Subject: Large Service Contract  
ECWA Project No. 201900005  
Change Order #2

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Attached is Change Order No. 2 for the above referenced contract for Kandey Company Inc., (Kandey) to provide additional labor, materials, equipment, and incidentals to complete the installation of bypass piping at Ball Pump Station to mitigate possible failure of critical discharge piping that delivers water to our northern service area. The work was authorized under a Work Change Directive that was approved by the Board on January 16, 2020. Prior to the Work Change Directive being approved an Emergency Declaration was issued by the Authority on December 18, 2019. The Work Change Directive and Emergency Declaration are included as an attachment to Change Order No. 2.

As we have reported in the past Kandey has been working at the site for most of the summer making the necessary repairs. The intent of the work performed was to replace the discharge piping in the vicinity of the pump station and to ensure it is supported on competent material to eliminate the issue with settling in the future. While the project was completed exceptionally well, as we moved forward with the project, additional issues were uncovered and corrected by the contractor in order to ensure an uninterrupted flow of water from this critical facility.

All work was performed under a time and material basis per Article 12 Section 00700, General Conditions of the contract. Daily crew sheets document the equipment, manpower and number of hours worked each day and were reviewed and agreed upon at the end of each workday. Invoices for all subcontractors and material purchases were also provided. All the documentation provided by the contractor was reviewed by the Engineering Department prior to being submitted for payment.

An additional \$90,000 was required to properly address all of the deficiencies that were discovered during construction. Funding for the project has been allocated under Unit 2595 Eng/Const Transmission Mains, Item 101536, Emergency Transmission Main Repair.

The following documents are attached:

- Blue Authorization Form.
- Change Order No. 2 Form.

MJW:jmf

Attachment

cc: R.Stoll

L.Kowalski

ECWA-799-1903-I-186

P:\ECWA\P201900005\Change Order #2 for Ball PS Emergency Bypass Piping\2020-12-07 Memo Change Order #2.docx

## CHANGE ORDER NO. 2

**Erie County Water Authority**  
**350 Ellicott Square Building, 295 Main Street**  
**Buffalo, New York 14203**

**Contract No.: 19-02-01**

**Project No.: 201900005**

**Date: December 7, 2020**

**Project:** Large Service Contract  
February 1, 2019 to January 31, 2021

**Contractor:** Kandey Company, Inc.  
19 Ransier Drive  
West Seneca, New York 14224

**Engineer:** Erie County Water Authority  
350 Ellicott Square Building  
295 Main Street  
Buffalo, New York 14203

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### DESCRIPTION OF CHANGE:

1. Provide additional labor, tools, equipment, materials and incidentals to complete emergency bypass piping work at Ball Pump Station. See attached Work Change Directive for Scope of Work.

### REASON FOR CHANGE:

1. A Work Change Directive, Section 00700 General Conditions, was issued to respond to the emergency at Ball Pump Station to establish the Scope of Work. The Change Order is being issued per Section 00700 General Conditions to establish the change in contract price. Per Section 00700 Article 12.01.C.2 the work will be performed on a time and material basis.

### ATTACHMENTS (LIST DOCUMENTS SUPPORTING CHANGE):

1. Work Change Directive #1.
2. Change Order No. 1

### COMPENSATION:

<u>Item</u>	<u>Description &amp; Cost</u>
1.	Cost of the work shall be billed monthly on a time and material basis per Section 00700 Article 12.01.C.2. Total cost of the work under this change order shall not exceed \$90,000.00.

**CHANGE IN CONTRACT PRICE:**

**CHANGE IN CONTRACT TIMES:**

**Original Contract Price**

\$2,563,925.00

**Original Contract Times**

Substantial Completion: No change

Final Completion: No change

(Days or Dates)

**Net Changes from previous Change Orders  
No. 1 to 1**

\$1,500,000

**Net changes from previous Change Orders  
No. 1 to 1**

No change

(Days)

**Contract Price prior to this Change Order**

\$4,063,925.00

**Contract Times prior to this Change Order**

Substantial Completion: No change

Final Completion: No change

(Days or Dates)

**Net Increase of this Change Order**

\$90,000.00

**Net Increase/Decrease of this Change Order**

Substantial Completion: No change

Final Completion: No change

(Days)

**Contract Price with all approved Change Orders**

\$4,153,925.00

**Contract Times with all approved Change Orders**

Substantial Completion: No change

Final Completion: No change

(Days or Dates)

**APPROVALS:**

ECWA: \_\_\_\_\_

Date: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

Date: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

Date: \_\_\_\_\_

**Work Change Directive No. 1**

Date of Issuance: 1/6/2020	Effective Date: 1/16/2020
Owner: Erie County Water Authority	Owner's Contract No.: 19-02-01
Contractor: Kandey Co.	Contractor's Project No.: 1750
Engineer: Erie County Water Authority	Engineer's Project No.: 201900005
Project: Ball Station Emergency Bypass	Contract Name: Large Service Contract

Contractor is directed to proceed promptly with the following change(s):

Description: Install bypass piping at the Ball Pump Station at the north and south discharge chambers to ensure the pump station remains operational in the event of a potential failure.

Attachments: See Attachment No. 1 and Erie County Water Authority, Declaration of State of Emergency, dated December 18, 2019

**Purpose for Work Change Directive:**

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to: *[check one or both of the following]*

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

**Estimated Change in Contract Price and Contract Times (non-binding, preliminary):**

Contract Price \$ To be determined  
 Contract Time Not Applicable

**Basis of estimated change in Contract Price:**

- Lump Sum
- Cost of the Work
- Unit Price
- Other

RECOMMENDED:

By: *Janet K. Kneller*  
 Engineer (Authorized Signature)  
 Title: Executive Engineer  
 Date: 1-7-2020

AUTHORIZED BY:

By: *James B. Smith*  
 Owner (Authorized Signature)  
 Title: Chair  
 Date: 1-21-2020

RECEIVED:

By: *[Signature]*  
 Contractor (Authorized Signature)  
 Title: V. Press  
 Date: 1-21-2020

Approved by Funding Agency (if applicable)

By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Title: \_\_\_\_\_

# **ATTACHMENT No. 1**

## **Scope of Work**

### **Work Change Directive**

#### **Large Service Contract**

#### **Project No. 201900005**

**January 3, 2020**

1. The Work Change Directive is necessary to install bypass piping at the Ball Pump Station to mitigate possible failure of critical piping that delivers water to our northern service area. While investigating a high-water alarm on December 16, 2019 at the northern venturi chamber at Ball Pump Station, it was discovered that the piping in the chamber is out of alignment. The venturi is currently lifted off its concrete support and the piping at the eastern end of the chamber is bearing on the chamber wall. Subsequent inspection has determined the central venturi is also displaced, but to a lesser extent. The southern venturi does not show signs of displacement.
2. The labor, equipment, materials and incidentals needing to perform the work is of a specialized nature due to the existing prestressed concrete cylinder pipe (PCCP). The contractor that is utilized must have experience working with PCCP to provide the best possible product in the shortest amount of time.
3. Kandey Co. is our contractor under the Large Service Contract and has the appropriate experience for this work.
4. The Work Change Directive consists of installing bypass piping to eliminate the potential failure at the venturi chambers. The work includes, but is not limited to:
  - a. Perform all excavation, rock excavation, dewatering and installation of temporary and/or permanent shoring as necessary;
  - b. Remove and dispose of all the existing 30-inch, 36-inch and/or 42-inch PCCP water transmission main from within the necessary excavations and other material including, but not limited to: asphalt, concrete, stone, rock, curbing, grass and fencing;
  - c. Install new 30-inch, 36-inch and 42-inch ductile iron pipe (DIP), poly wrap, fully restrained watermain, butterfly valves, fittings, blow-offs, PCCP to DIP adapters, hydrants, spool pieces, nipples and other materials as necessary to install the bypass piping at the locations as follows:

- i. At a point of connection on the west side of the northern venturi chamber, Line "F", install adapters, 30-inch DIP, valve, tee and fittings, to reach grade and alignment;
  - ii. Northerly with 30-inch DIP, valves, bends, reducer and fittings to reach grade and alignment;
  - iii. To a point of connection on the 36-inch PCCP "New Community Line" with adapters, 36-inch DIP, valves, tee and fittings to reach grade and alignment.
  - iv. At a point of connection on the west side of the southerly venturi chamber, Line "D", install adapters, 42-inch DIP, valve, tee and fittings, to reach grade and alignment;
  - v. Southerly with 36-inch DIP, valves, bends and fittings to reach grade and alignment;
  - vi. To a point of connection on the 36-inch PCCP "New Community Line" with adapters, 36-inch DIP, valves, tees, hydrant, fittings to reach grade and alignment.
- d. Provide all joint restraints, concrete anchor collars, concrete thrust blocking, bedding stone, select backfill material, temporary restoration, to properly stabilize, shore and brace the new water transmission mains, fittings and appurtenances.
  - e. Provide all labor, equipment and materials necessary to perform a hydrostatic pressure test of the newly installed piping following ECWA and ECDOH procedures.
  - f. Provide all labor, equipment and materials to perform chlorination, disinfection and bacteriological testing following ECWA and ECDOH procedures.
  - g. After approval of the testing procedure, place new bypass piping into service.
  - h. Perform necessary restoration of any disturbed areas.

# Central Purchasing Declaration of State of Emergency

**Work Order No.:**

**EC No.:** 7081

**Project No.:** 201900289

**Date of Emergency:** 12/18/2019

**Detailed Description of Emergency Condition:**

On December 16, 2019 a Pump Mechanic was investigating a high-water alarm at the northern venturi chamber at Ball Pump Station. While he was in the chamber, he noticed that the piping in the chamber is out of alignment. The venturi is currently lifted off its concrete support and the piping at the eastern end of the chamber is bearing on the chamber wall. For the venturi to be lifted off its concrete support, the discharge header outside of the chamber had to move downward. Figure 1 shows the piping layout in the vicinity of the venturi chamber. The current condition of the northern venturi is shown in Picture 1. The central venturi is also displaced, but to a lesser extent. The southern venturi did not show signs of displacement.

Ball Pump Station is a critical pump station for delivering water to our northern service area and we need to ensure that the station stays in service. The Engineering Department is moving forward with installing bypass piping on the northern and southern sides of the station. The bypass piping will allow ECWA to keep the plant operational if there is a failure on the eastern side the discharge piping. The proposed work is depicted in Sketch 1 and Sketch 2.

It is imperative that this works gets started as soon as possible. The material and labor required to make the bypass piping modifications will need to be procured in a timely manner to ensure that the pump station stays operational. Due to the specialized nature of working with prestressed concrete cylinder pipe (PCCP), it will be necessary to utilize a contractor that is experienced with working with this pipe to provide the best possible product in the shortest amount of time.

**Authorized Signature:** Pursuant to the Purchasing Guidelines (Page 17) authorization granted to one or more of the following two (2) individuals: Any Commissioner, the Executive Director, Executive Engineer, and/or the Director of Administration.

*Russell Stott 12/20/19*  
*Larouya Lester 12/20/19*

**To:** Purchasing System File

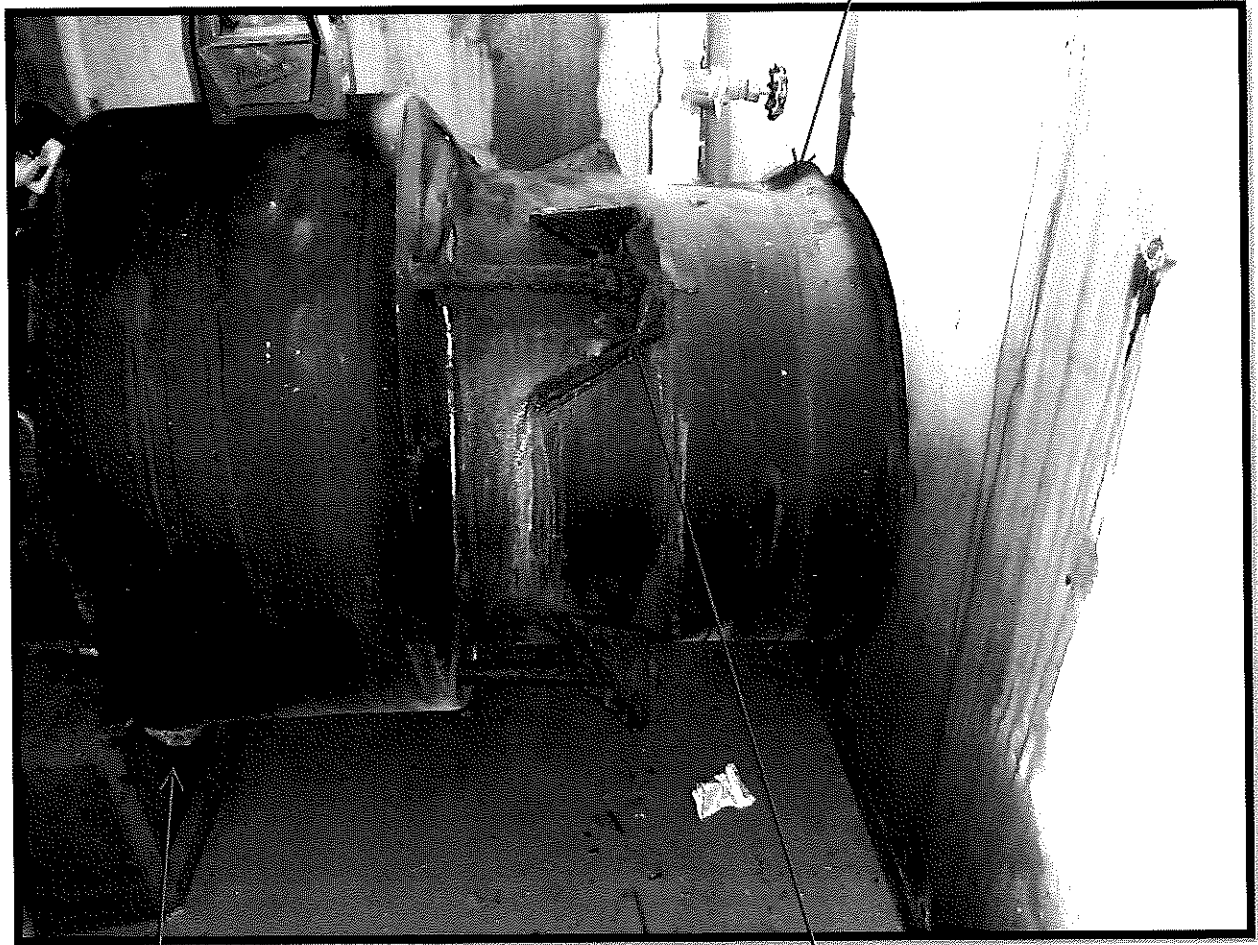
P:\EMERGAP201900289\Emergency Declaration.docx (goldenrod)

Rev. 10/06/2010

Attachments: Figure 1  
Picture 1  
Sketch 1  
Sketch 2







Insulation is pushed forward.

**Picture 1**  
**North Venturi**

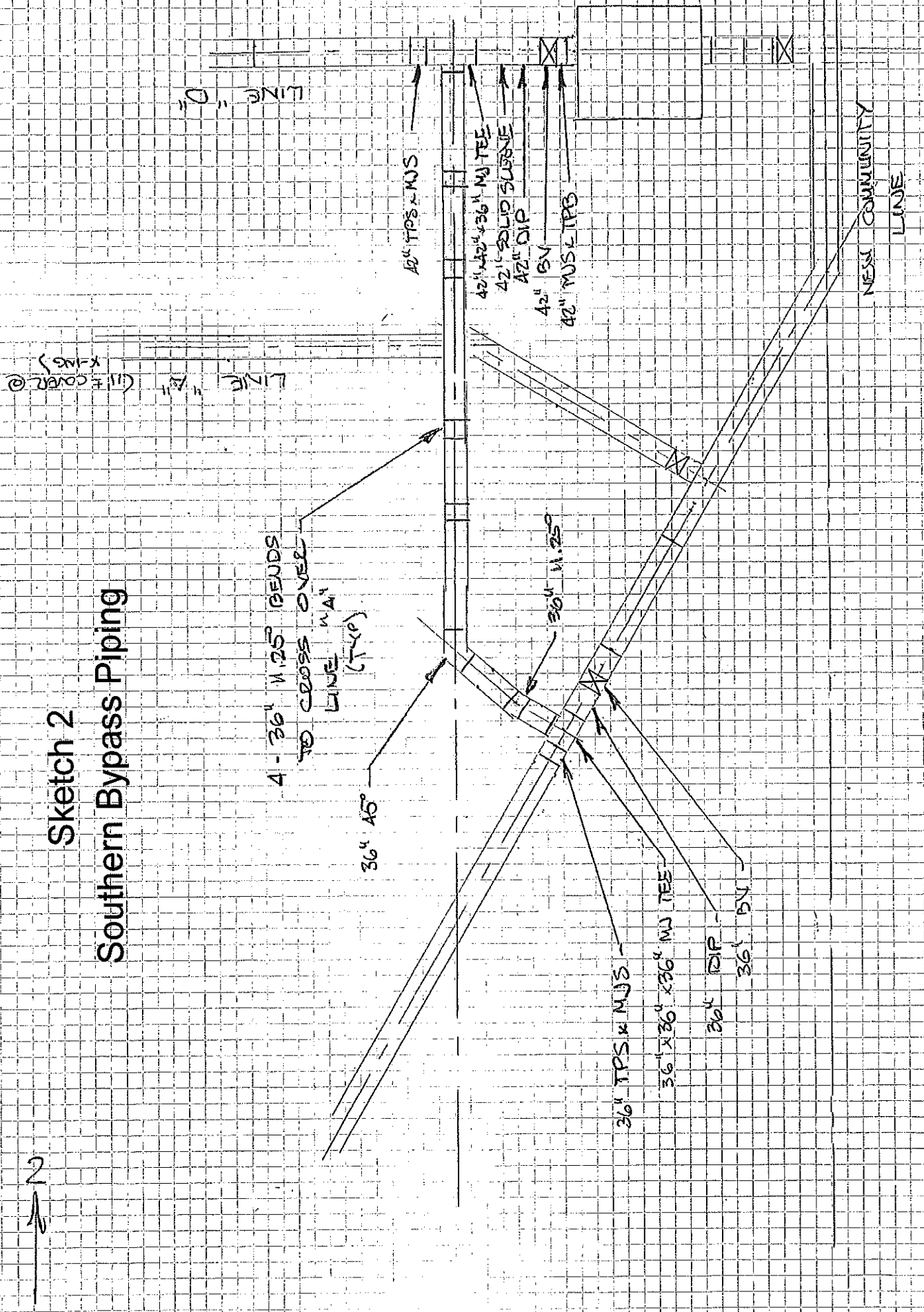
Venturi lifted off of concrete support.

Restraint is deformed.



2

# Sketch 2 Southern Bypass Piping



# Central Purchasing Declaration of State of Emergency

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**EC No.:** 7081

**Project No.:** 201900289

**Date of Emergency:** 12/18/2019

**Detailed Description of Emergency Condition:**

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*Russell J. Stott 12/20/19*  
*Laromya Jester 12/20/19*

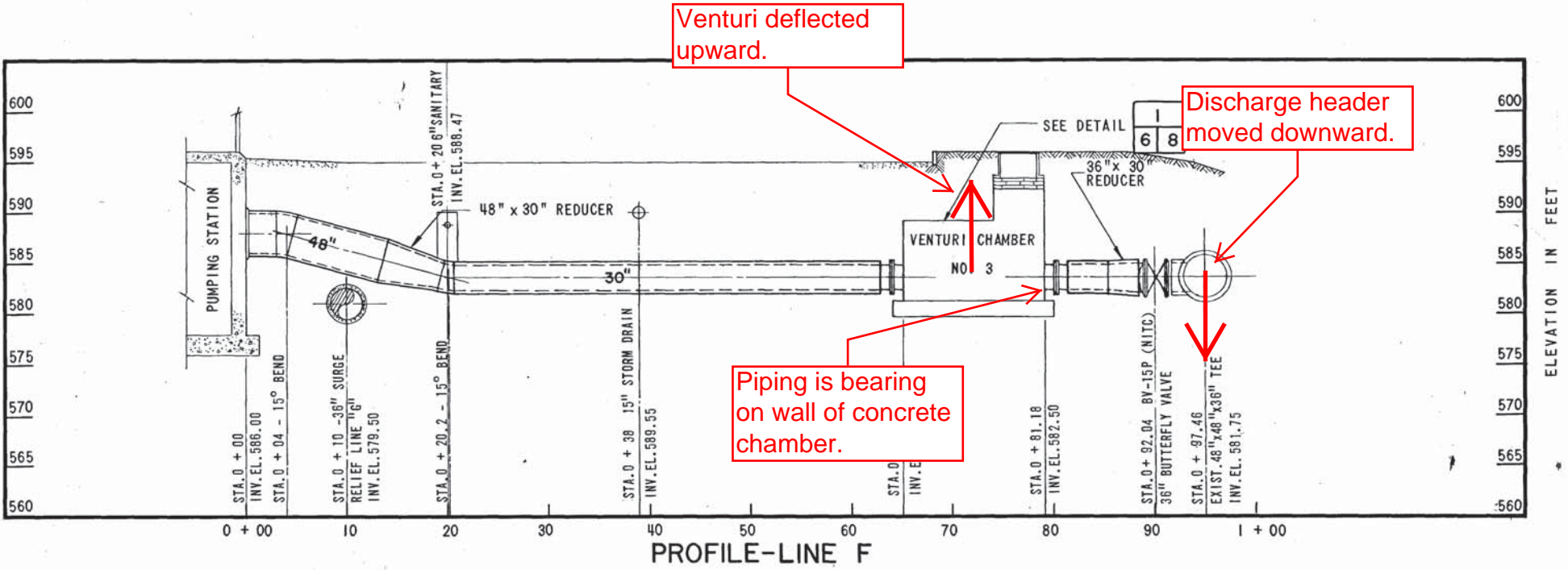
To: Purchasing System File

P:\EMERG\201900289\Emergency Declaration.docx (goldenrod)

Rev. 10/06/2010

Attachments: Figure 1  
Picture 1  
Sketch 1  
Sketch 2

Figure 1



FINISHED GRADE

600



Insulation is pushed forward.

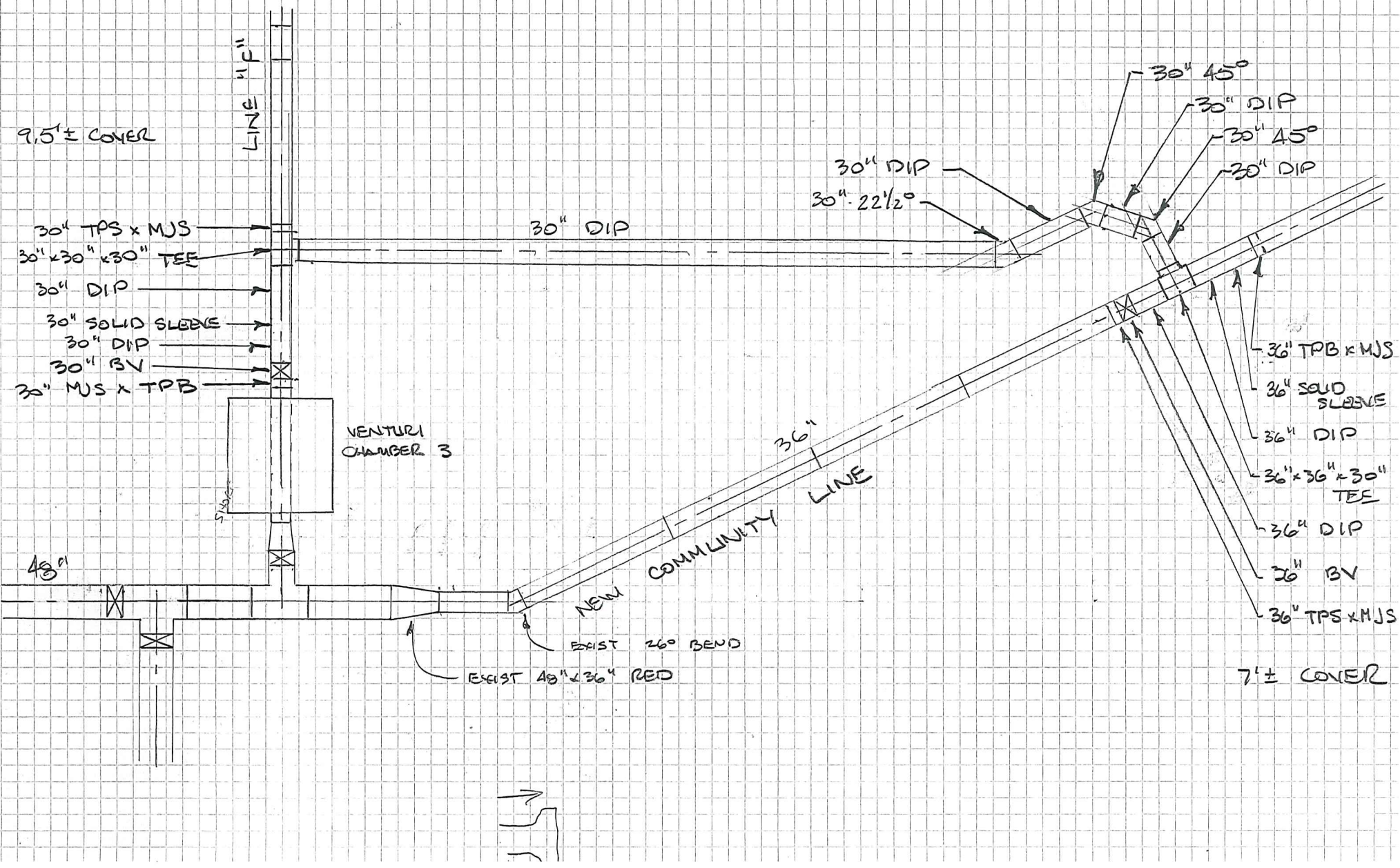
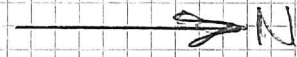
**Picture 1**  
**North Venturi**

Venturi lifted off of concrete support.

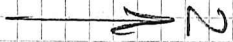
Restraint is deformed.

# Sketch 1

## Northern Bypass Piping







# Sketch 2 Southern Bypass Piping

