

**CHANGE ORDER NO. 2  
STILL CREEK WASTEWATER IMPROVEMENTS - PHASE III  
CITY JOB NO. 411-D4-1102**

**May 12, 2015**

**Elliott Construction, LLC  
P.O. Box 510  
Wellborn, TX 77881**

We are submitting Change Order No. 2 to your contract for City Job No. 411-D4-1102. This change order provides for the following additions and deductions. All work to be performed in compliance with attachments, contract and BCS technical specifications and details.

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
CO2-1	1	LS	Bonds, survey, mobilization	\$8,200.00	\$8,200.00
CO2-2	850	LF	Trench Safety	\$2.00	\$1,700.00
CO2-3	1	LS	Shoring and supports for existing lines during removal and replacement of existing 20" DI Pipe	\$2,550.00	\$2,550.00
CO2-4	1	LS	Install/Maintain temporary bypass 12" Piping 1100FT	\$18,705.00	\$18,705.00
CO2-5	1	LS	Provide and connect to existing 20" DIP a 20 inch sleeve with 2 regular glad packs as required.	\$1,115.00	\$1,115.00
CO2-6	850	LF	Remove and replace existing 20" DIP with 20" Sanitary Sewer Line, AWWA C-151 DI Pipe with P-401 Lining, 8 mil Poly Wrap, and Detector Tape in Trench, with Bank Sand Embedment & Non-Structural Backfill, All Depths	\$165.00	\$140,250.00
CO2-7	11	EA	20" C-153 MJ fittings with P-401 lining	\$2,020.00	\$22,220.00
CO2-8	1	EA	20" C-153 Flg X MJ Tee with P-401 lining	\$2,860.00	\$2,860.00
CO2-9	1	LS	Remove and replace approx. 12' section of 12" DIP with 12" Sanitary Sewer Line, AWWA C-151 DI Pipe with P-401 Lining, 8 mil Poly Wrap, and Detector Tape in Trench with Bank Sand & Non-Structural Backfill. Includes the following AWWA C-153 fittings with P-401 Lining: 12"X20" MJ Reducer, 12" MJ 90	\$7,715.00	\$7,715.00
CO2-10	1	EA	20" AWWA C515 Flg X Flg Gate Valve at pump station header	\$14,425.00	\$14,425.00
CO2-11	1	EA	12" AWWA C515 MJ X MJ Gate Valve at 20"X12" tee at pump station.	\$2,120.00	\$2,120.00
CO2-12	225	SF	Remove and replace asphalt pavement includes cement stabilized sand	\$18.00	\$4,050.00
CO2-13	575	SF	Remove and replace concrete parking area includes cement stabilized sand	\$19.00	\$10,925.00
CO2-14	1	LS	Remove and replace existing 18" steel culvert	\$800.00	\$800.00
CO2-15	1	LS	Connect to existing vertical connection 20 " DIP at Grit Basin.	\$3,235.00	\$3,235.00
CO2-16	1	LS	Remove and dispose of Odor Control Unit and Slab	\$5,000.00	\$5,000.00
				<b>TOTAL CO #2:</b>	<b>\$245,870.00</b>

ORIGINAL CONTRACT PRICE:	<b>\$2,776,079.75</b>
INCREASE TO CONTRACT BY CHANGE ORDER NO. 1:	\$ 24,995.50
INCREASE TO CONTRACT BY CHANGE ORDER NO. 2 :	\$245,870.00

**NEW CONTRACT PRICE: \$3,046,945.25**

PERCENT CHANGE BY CHANGE ORDER TO ORIGINAL CONTRACT PRICE

CHANGE ORDER NO. 1:	0.90%
CHANGE ORDER NO. 2:	8.86%

**TOTAL PERCENT CHANGE: 9.76%**

ORIGINAL CONTRACT TIME:	300	Working Days
CHANGE TO CONTRACT TIME BY CHANGE ORDER NO. 1:	0	Working Days
CHANGE TO CONTRACT TIME BY CHANGE ORDER NO. 2:	15	Working Days
<b>NEW CONTRACT TIME:</b>	<b>315</b>	<b>Working Days</b>

Your signature below will constitute your acceptance of this Change Order No. 2:

**Party of the First Part  
CITY OF BRYAN, TEXAS**

Approved as to Form:

**Approved:**

\_\_\_\_\_  
Janis Hampton, City Attorney

\_\_\_\_\_  
Jason P. Bienski, Mayor

Prepared and Recommended:

\_\_\_\_\_  
W. Paul Kaspar, P.E., City Engineer

\_\_\_\_\_  
Mary Lynne Stratta, City Secretary

Approved for Processing:

\_\_\_\_\_  
Date of Approval By City of Bryan:

\_\_\_\_\_  
Jayson Barfknecht, Ph.D., P.E.  
Director of Public Works

**Party of the Second Part  
Elliott Construction, LLC**

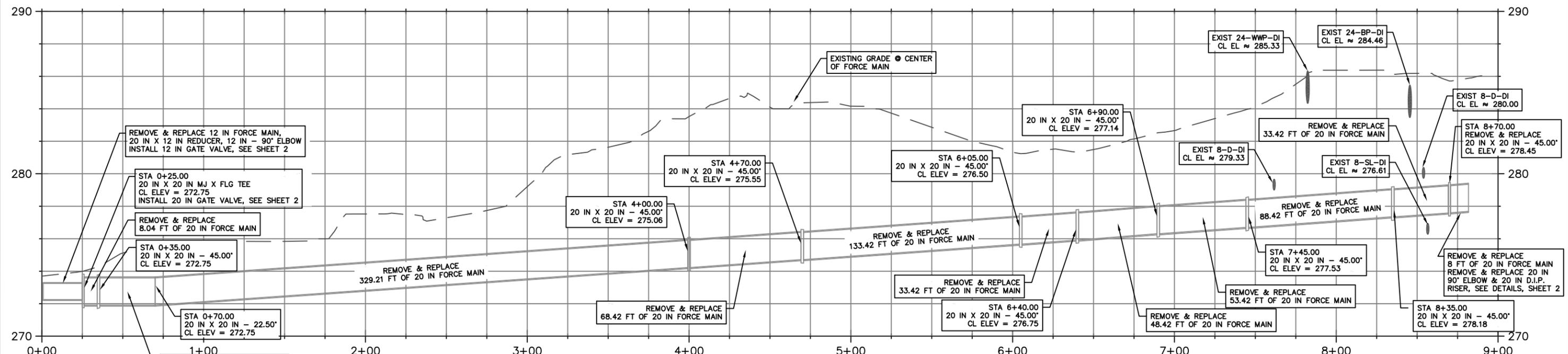
\_\_\_\_\_  
Scott Elliott, President

\_\_\_\_\_  
Kean Register, City Manager

\_\_\_\_\_  
Witness:

**NOTES:**

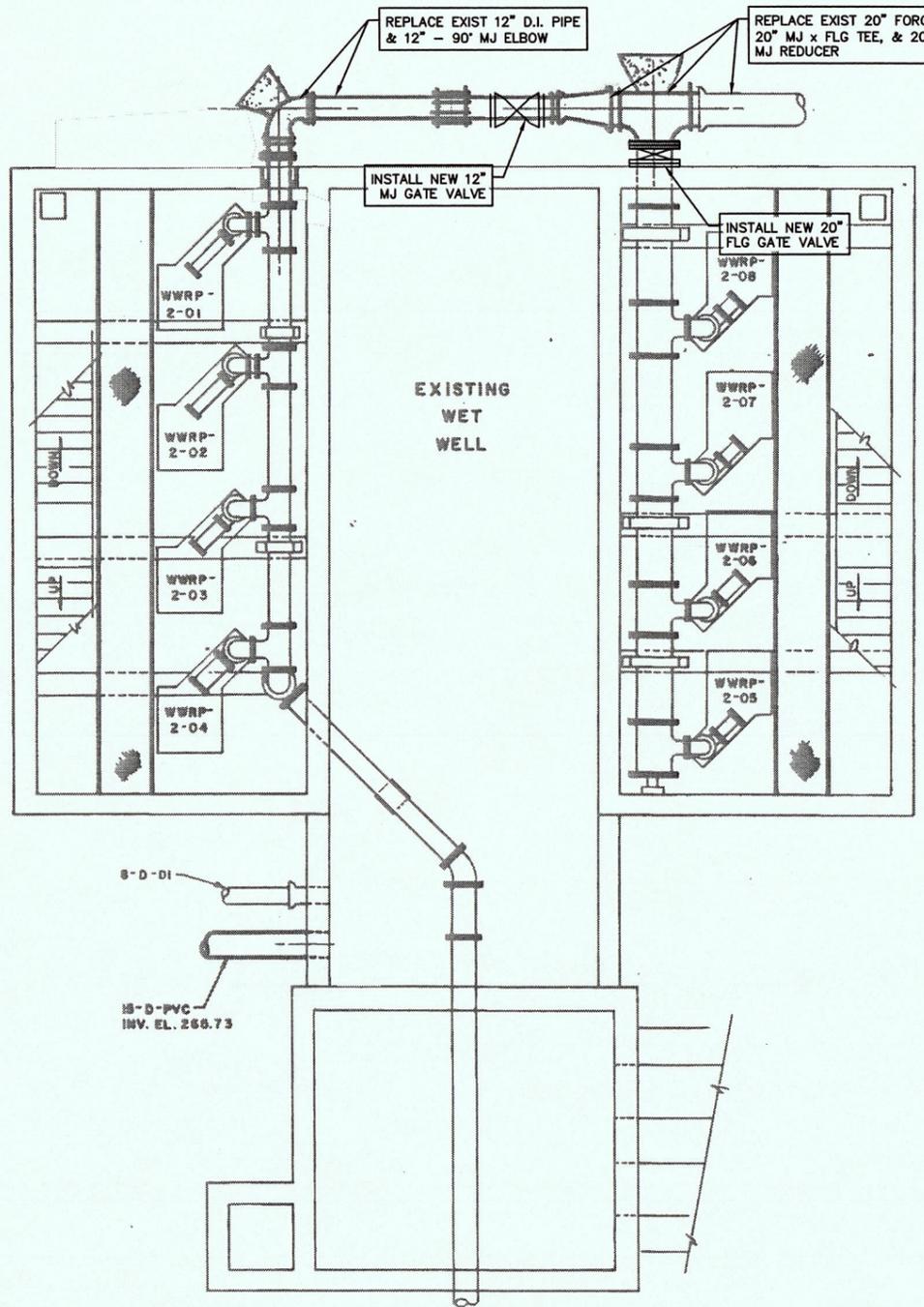
1. CONTRACTOR TO REMOVE AND REPLACE EXISTING FORCE MAIN IN CURRENT LOCATION AS SHOWN.
2. CONSTRUCTION TO BE COORDINATED WITH OWNER. CONTRACTOR TO CONTACT OWNER A MINIMUM OF 48 HOURS IN ADVANCE OF WORK.
3. ELEVATIONS SHOWN OF EXISTING PIPING ARE APPROXIMATE, CONTRACTOR TO VERIFY.
4. CONTRACTOR TO PROVIDE, CONNECT, AND MAINTAIN TEMPORARY BY-PASS LINE FROM THE 12-INCH DISCHARGE OF RAW WASTE LIFT STATION TO THE INTERMEDIATE CLARIFIER WET WELL.
5. CONTRACTOR TO EXERCISE CAUTION WHEN WORKING IN VICINITY OF EXISTING ACTIVE PIPELINES.
6. CONTRACTOR TO PROVIDE A 20-INCH COMPRESSION COUPLING (DRESSER) AND CONNECT EXISTING 20 INCH D.I.P. TO NEW D.I.P. IF REQUIRED TO MEET FLOW DEMANDS OR DURING EXTENDED PERIODS OF WORK SUSPENSION. COORDINATE WITH OWNER.



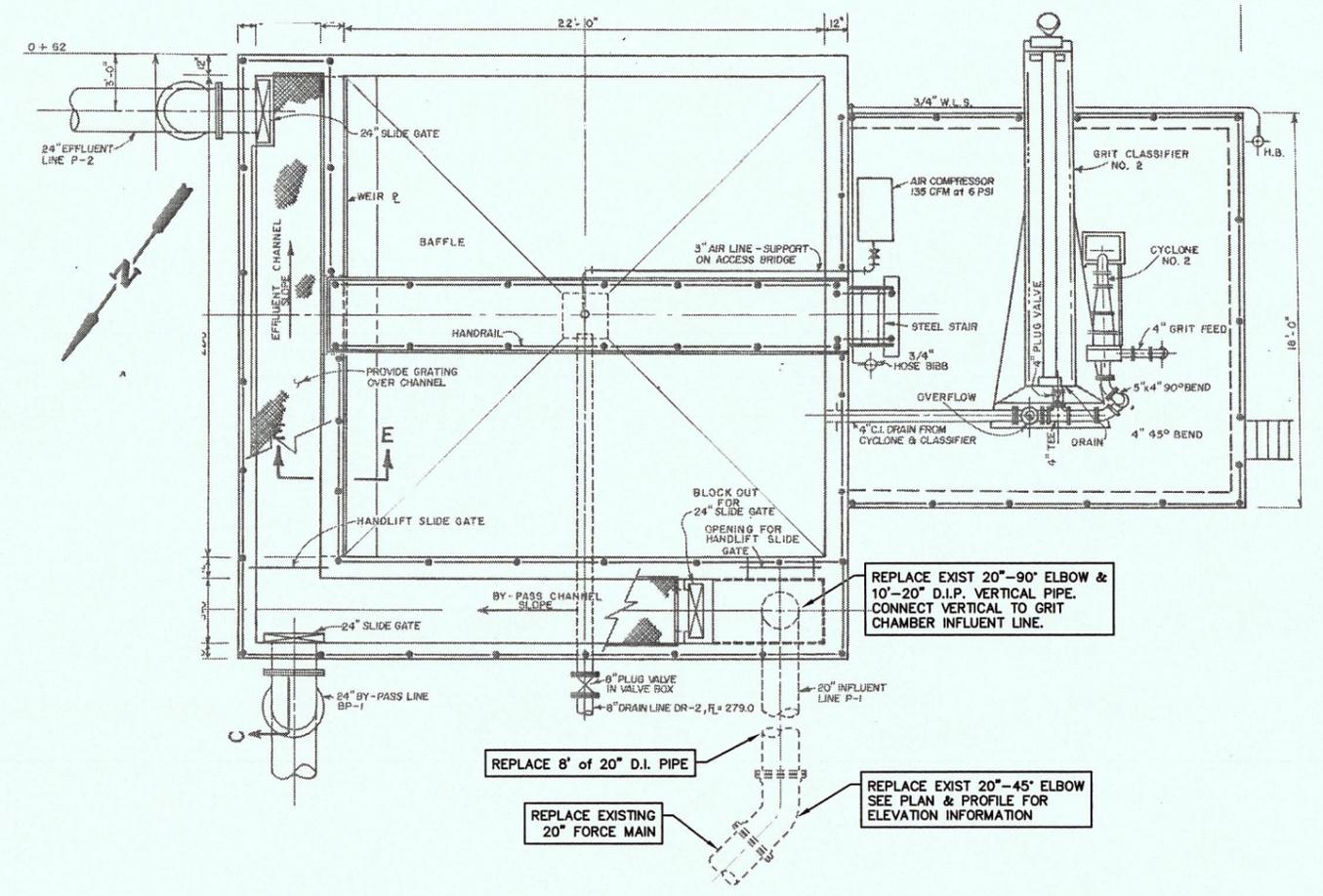
**EXIST LEGEND:**

1/2NG	1/2NG	1/2" NATURAL GAS	24-WW-DI	24" DIP WWTP PIPING
2NG	2NG	2" NATURAL GAS	1NPW	1" NON-POTABLE WATER
8SS	8SS	8" SANITARY SEWER	2NPW	2" NON-POTABLE WATER
15SS	15SS	15" SANITARY SEWER	6W	6" WATER MAIN
27SS	27SS	27" SANITARY SEWER	OE	OVERHEAD ELECTRIC
30SS	30SS	30" SANITARY SEWER	UE	UNDERGROUND ELECTRIC
36SS	36SS	36" SANITARY SEWER	X	FENCE
6-WW-PVC	6-WW-PVC	6" PVC WWTP PIPING		
8-WW-DI	8-WW-DI	8" DIP WWTP PIPING		

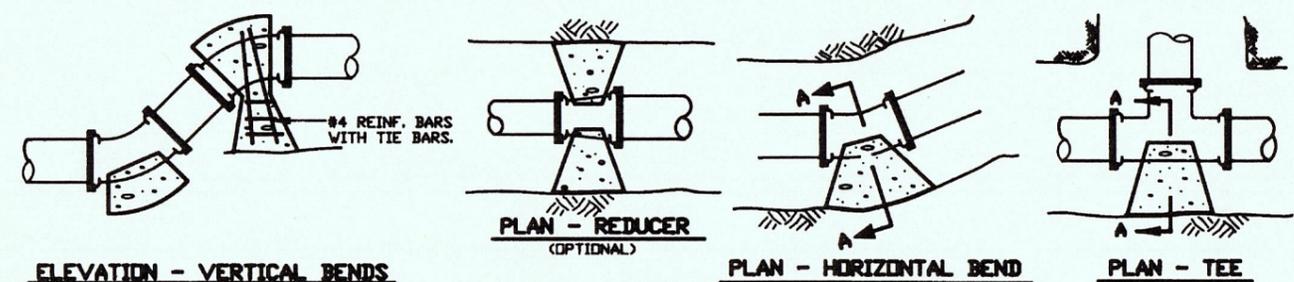
		<b>FORCE MAIN PLAN &amp; PROFILE</b>	
		STILL CREEK WASTEWATER IMPROVEMENTS-PHASE III	
DRAWN BY: PSE		DATE: JAN / 2015	
APPR BY: B.W.		SCALE: 1"=30'H 1"=3'V	
PROJECT NO: 411-D4-1102			
REV.	DATE	DESCRIPTION	SHEET
1	5/12/15	ADDED 12" & 20" PIPE & VALVES	1
			2



**RAW WASTE PUMP STATION**  
SCALE: 1/4" = 1'-0"



**AERATED GRIT CHAMBER**  
SCALE: 1/4" = 1'-0"



FITTING	MINIMUM CONCRETE THRUST SUPPORT AREA (ft <sup>2</sup> )						
	6" DIA.	8" DIA.	10" DIA.	12" DIA.	20" DIA.	24" DIA.	30" DIA.
90° BEND	2.0	3.6	5.6	8.0	22.3	32.0	50.0
45° BEND	1.1	2.0	3.1	4.4	12.1	17.4	27.1
22-1/2° BEND	0.6	1.0	1.6	2.3	6.2	8.9	13.8
TEE/DEAD END	1.4	2.6	4.0	8.7	15.8	22.7	35.4

- NOTES:**
1. BASED ON A TEST PRESSURE OF 100 P.S.I.
  2. SOIL BEARING LOAD ESTIMATED AT 2000 P.S.F.
  3. ALL CONCRETE TO BE PLACED AGAINST UNDISTURBED EARTH. RESTRAINED JOINT PIPE MAY BE USED IN LIEU OF CONCRETE THRUST BLOCKS. CONTRACTOR SHALL SUBMIT PIPE LENGTHS REQUIRED TO PROVIDE EQUIVALENT RESTRAINT TO OWNER FOR REVIEW PRIOR TO INSTALLATION.

**THRUST BLOCK SCHEDULE & DETAILS**

CITY OF BRYAN

This seal appearing on this document was authorized by P.E. [Name] Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act. This document is released for bidding purposes on [Date].

**FORCE MAIN CONNECTION DETAILS**  
STILL CREEK WASTEWATER IMPROVEMENTS-PHASE III

DRAWN BY: PSE  
DATE: JAN / 2015  
APPR BY: B.W.  
SCALE: 1/4" = 1'-0"

PROJECT NO:  
411-D4-1102

SHEET  
**2**  
of 2

REV.	DATE	DESCRIPTION	SHEET
1	5/12/15	ADDED 12" & 20" PIPE & VALVES	2