



April 6, 2023

Oklahoma City Water Utilities Trust
420 W. Main Street, Suite 500
Oklahoma City, OK 73102

RE: **SC-1098 Twin Creek Siphon Replacement Field Change No. 1**

Dear Joy,

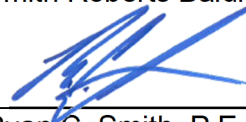
Following award of SC-1098 to Cimarron Construction, SRB was tasked with investigating the feasibility of a cost-saving alternative, to directionally drill the siphon piping for the portion of this project crossing under Twin Creek.

SRB confirmed the viability of this option and developed plans and specifications using this construction method. The revised plans and specifications were provided to Cimarron Construction and they were asked to provide updated pricing using this construction method.

The attached Field Change and accompanying Amendment and Change Order will save \$988,057 in cost to the project. SRB is recommending this change be accepted and a Work Order be issued to Cimarron Construction for this revised project scope.

Sincerely,

Smith Roberts Baldischwiler, LLC



Ryan C. Smith, P.E.
Senior Engineering Project Manager

Attachment

4/12/2023 8:42 AM ALEX PETA.Z:\117022 - OCWUT 2022\TASK ORDER 22-010 - TWIN CREEK SIPHON REPAIR\TASK 2-ENGINEERING\DRAWINGS\117022 TO 22-010 DSGN.DWG

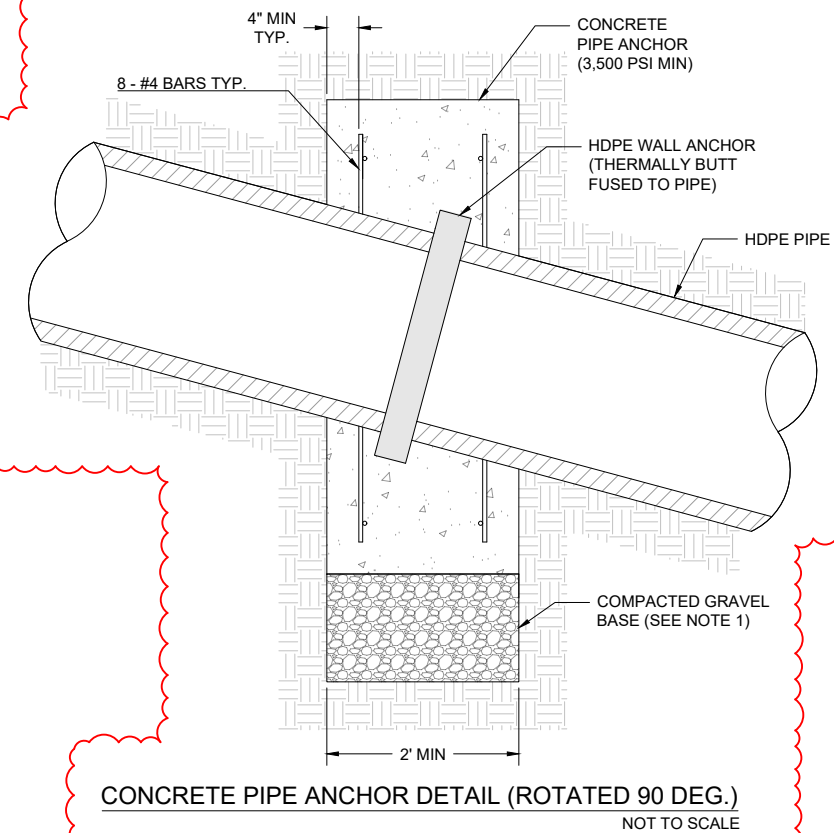
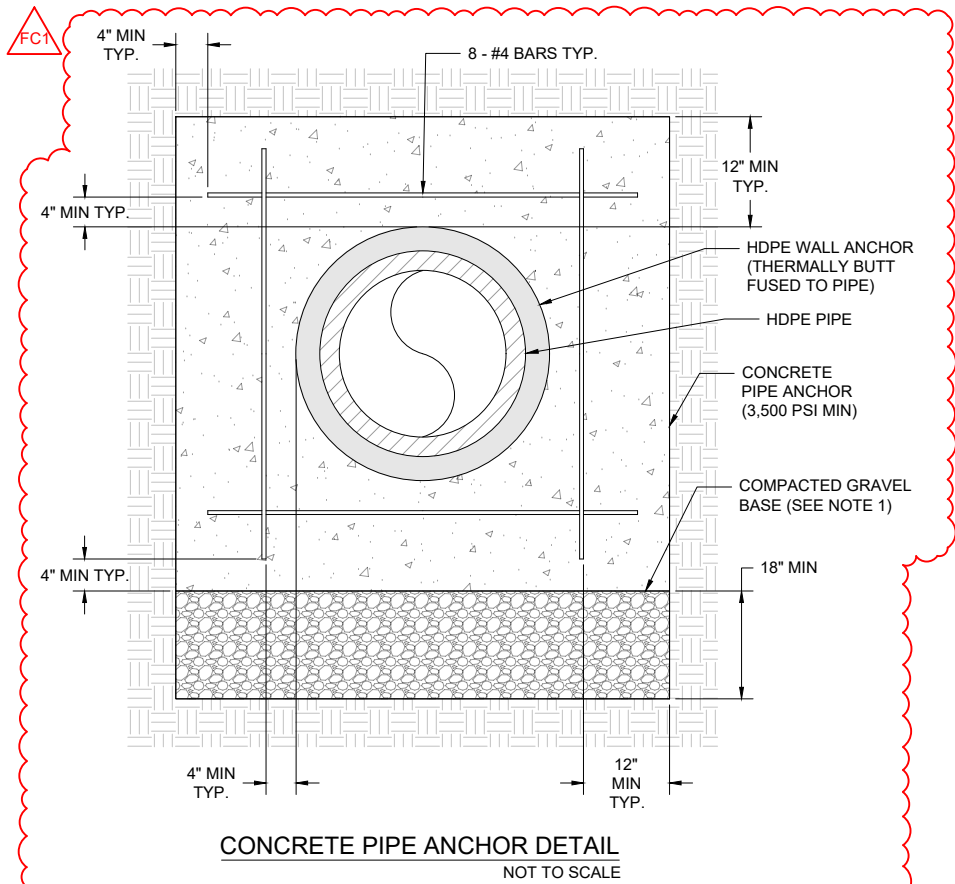
SC-1098 TWIN CREEK SIPHON REPLACEMENT SUMMARY OF PAY					
ITEM NO.	SPEC. NO.	ITEM	UNIT	ESTIMATED QUANTITY	AS-BUILT
1	212	TRENCH EXCAVATION AND BACKFILL - ZERO (0') TO FIFTEEN FEET (15')	LF	350.00 330.00	
2	212	TRENCH EXCAVATION AND BACKFILL - ZERO (0') TO TWENTY FEET (20')	LF	25.00 0.00	
3	252	BORING - CASING (CARRIER SIZE, 24 IN)	LF	240.00 0.00	
4	252	BORING - CASING (CARRIER SIZE, 36 IN)		240.00 0.00	
5	623	DEFLECTION TEST (48")	LF	330.00	
6	624	TELEVISION INSPECTION (CCTV)	LF	1,000.00	
7	625	SEWER LEAKAGE TEST (24")	LF	343.00 0.00	
8	625	SEWER LEAKAGE TEST (36")	LF	343.00 0.00	
9	625	SEWER LEAKAGE TEST (48")	LF	330.00	
10	626	(6") SANITARY SEWER MANHOLE (0-6')	EA	1.00	
11	626	(6") SANITARY SEWER MANHOLE ADD'L T DEPTH	VF	8.00	
12	628	SANITARY SEWER MANHOLE REHAB	VF	14.50	
13	648	ABANDON MANHOLE (4')	EA	1.00	
14	652	SANITARY SEWER PIPE (24") (PVC)	LF	343.00 0.00	(1)
15	652	SANITARY SEWER PIPE (36") (PVC)	LF	343.00 0.00	(1)
16	652	SANITARY SEWER PIPE (48") (PVC)	LF	330.00	(1)
17	652	24" X 22.5 DEG. BEND	EA	2.00 0.00	
18	652	36" X 22.5 DEG. BEND	EA	2.00 0.00	
19	801	CONSTRUCTION STAKING (CONSTRUCTION SURVEY)	LS	1.00	(2)
20	809	MOBILIZATION	LS	1.00	(3)
21	810	CLEARING AND GRUBBING	LS	1.00	
22	823	REMOVE AND REPLACE SIDEWALK	SY	20.00	(3)
23	840	SOLID SLAB SODDING	SY	2,400.00	
24	900	EROSION CONTROL	LS	1.00	(4)
25	SPEC.	DEMOLISH EXISTING SIPHON STRUCTURES	LS	1.00	
26	SPEC.	24"X24" HEAVY DUTY SLUICE GATE	EA	2.00	(5)
27	SPEC.	36"X36" HEAVY DUTY SLUICE GATE	EA	2.00	(5)
28	SPEC.	SIPHON INFLUENT AND EFFLUENT STRUCTURE	LS	1.00	(6) (7)
29	SPEC.	MISCELLANEOUS WORK ITEMS	LS	1.00	(8)
30	SPEC.	ABANDON AND REMOVE EXISTING SANITARY SEWER PIPES AND STRUCTURES	LS	1.00	(9)
31	212	TRENCH EXCAVATION AND BACKFILL - ZERO (0') TO TWENTY-FIVE FEET (25')	LF	25.00 0.00	
32	212	TRENCH EXCAVATION AND BACKFILL - ZERO (0') TO THIRTY FEET (30')	LF	40.00 0.00	
33	SPEC.	TEMPORARY BYPASS PUMPING (STANDBY)	CD	80.00	
34	SPEC.	TEMPORARY BYPASS PUMPING (ACTIVE)	CD	40.00	
35	SPEC.	DIRECTIONAL DRILLING (24" DIPS DR11 HDPE)	LF	338.00	(10)(11)(12)
36	SPEC.	DIRECTIONAL DRILLING (36" DIPS DR11 HDPE)	LF	338.00	(10)(11)(12)

PAY ITEM NOTES:

- POLYVINYL CHLORIDE (PVC) PIPE SHALL HAVE A MINIMUM STIFFNESS OF 46 PSI AND MUST MEET OR EXCEED THE REQUIREMENTS OF ASTM F679.
- CONSTRUCTION STAKING TO INCLUDE GIS AS-BUILT SURVEY PER OKLAHOMA CITY STANDARD 801.04C.
- CONTRACTOR IS RESPONSIBLE FOR RESTORING AREAS DISTURBED DURING MOBILIZATION AND CONSTRUCTION.
- TEMPORARY CONSTRUCTION ENTRANCE AND AN ESTIMATED BID QUANTITY OF 580 LF OF SILT FENCE TO BE INCLUDED IN THIS PAY ITEM.
- PAY ITEM TO INCLUDE WALL THIMBLE AND FLOOR PEDESTAL WITH RISING STEM MANUAL HAND CRANK TO COMPLETE WORKING SYSTEM.
- PAY ITEM TO INCLUDE THE COST FOR ALL MATERIAL, LABOR, AND EQUIPMENT REQUIRED TO CONSTRUCT STRUCTURE, INCLUDING ACCESS HATCH, MOUNTED DAVIT BASES WITH FALL PROTECTION EQUIPMENT, VENT PIPES, AND EPOXY-BASED COATINGS.
- PAY ITEM TO INCLUDE TRASH RACKS IN IN THE INFLUENT STRUCTURE.
- PAYMENT FOR THIS PAY ITEM IS A LUMP SUM BASIS BASED ON THE PROGRESS OF THE WORK. MISCELLANEOUS WORK ITEMS INCLUDES PAYMENT FOR ALL WORK REQUIRED UNDER THE CONTRACT EXCEPT FOR WORK SPECIFICALLY BEING PROVIDED UNDER OTHER BID ITEMS LISTED ON THE PROPOSAL AND DESCRIBED IN THIS SECTION. IT INCLUDES COMPLETION OF ALL REQUIRED PROJECT CLOSEOUT ACTIVITIES SPECIFIED IN SECTION 01700 - CONTRACT CLOSEOUT AND SUBMISSION OF CONTRACTOR FIELD DRAWINGS INDICATING THE LOCATION AND LIMITS OF EACH REPAIR TYPE. THIS ITEM WILL CONSTITUTE FULL COMPENSATION FOR ALL SUCH WORK REQUIRED PER THE CONTRACT DOCUMENTS. PAYMENT ALSO TO INCLUDE ALL COSTS TO INSTALL AND MAINTAIN INFLATABLE PLUG FOR THE DURATION OF CONSTRUCTION AS INDICATED ON SHEET 04.
- SEE SHEET 07 FOR THE SUMMARY OF WORK INCLUDED IN THE LUMP SUM QUANTITY FOR THIS PAY ITEM.
- PAY ITEM TO INCLUDE ALL COSTS ASSOCIATED WITH PERFORMING HYDROSTATIC LEAK TESTING ON HDPE PIPE IN ACCORDANCE WITH ASTM F2164.
- PAY ITEM TO INCLUDE ALL COSTS ASSOCIATED WITH OBTAINING ADDITIONAL GEOTECHNICAL BORING LOGS (B3 AND B4) AS SHOWN ON THE PLAN SHEETS. GEOTECHNICAL REPORT MUST BE PROVIDED TO THE ENGINEER DURING THE MATERIAL SUBMITTAL PROCESS.
- PAY ITEM TO INCLUDE ALL COSTS ASSOCIATED WITH CONSTRUCTION OF THE CONCRETE PIPE ANCHORS AS SHOWN IN THE DETAILS ON THIS SHEET.

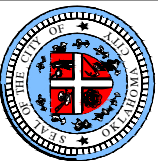
PAY UNIT ABBREVIATIONS

AC - ACRE = SF/43,560
CD - CALENDAR DAY
CF - CUBIC FEET
CY - CUBIC YARD = CF/27
EA - EACH
FT - FEET
GAL - GALLON
LBS- POUNDS
LF - LINEAR FEET
LS - LUMP SUM
SF - SQUARE FEET
STA - STATION
SY - SQUARE YARD = SF/9
TON = 2000 LBS
YD - YARD
VF - VERTICAL FEET



NOTES:

- TYPE A AGGREGATE SHALL BE USED FOR COMPACTED GRAVEL BASE.
- ANY UNSUITABLE SUB-GRADE MATERIAL (COMPRESSIVE STRENGTH LESS THAN 1,000 PSI) SHALL BE REMOVED AND REPLACED WITH CONCRETE.



ENGINEERING
SURVEYING
PLANNING



REVISIONS		DESCRIPTION
NO.	DATE	REVISOR
1	FC1 2/24/2023	REVISED PAY ITEMS / ADDED DETAIL

OCWUT
SC-1098
TWIN CREEK SIPHON REPLACEMENT
SUMMARY OF QUANTITIES

DATE: 4/5/2023
DRAWN BY: AJP
CHECKED BY: RCS

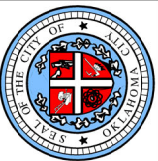
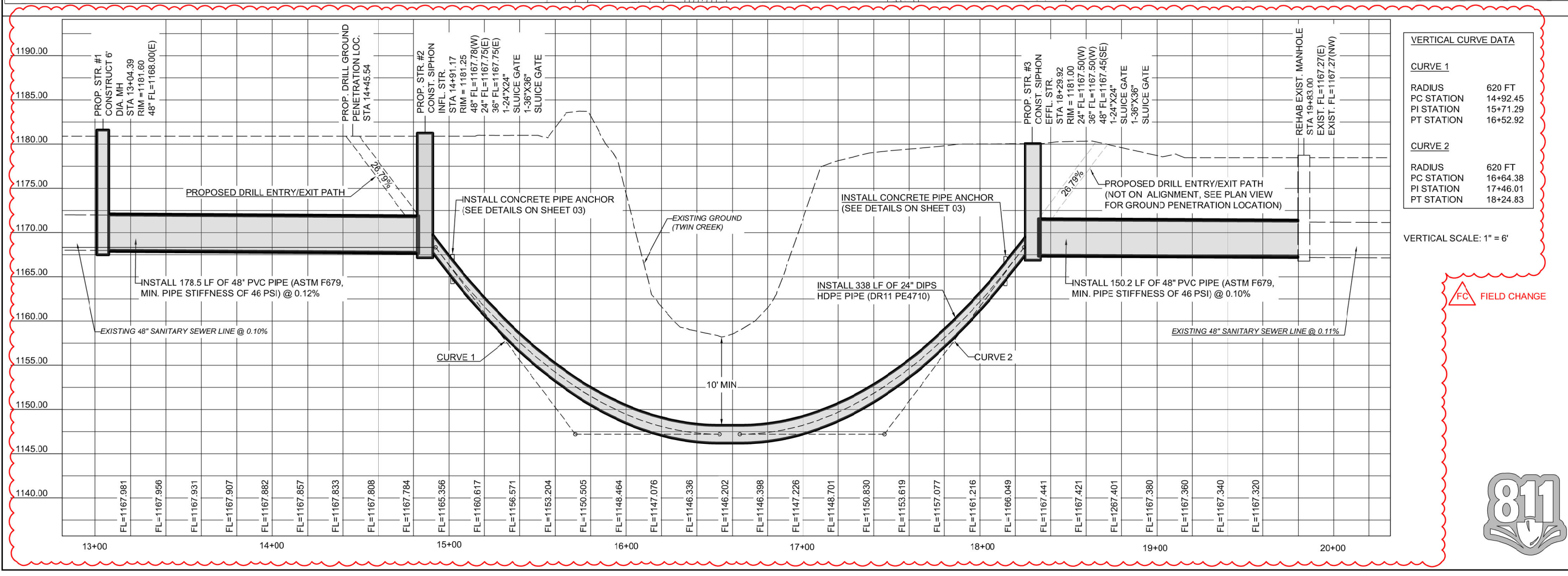
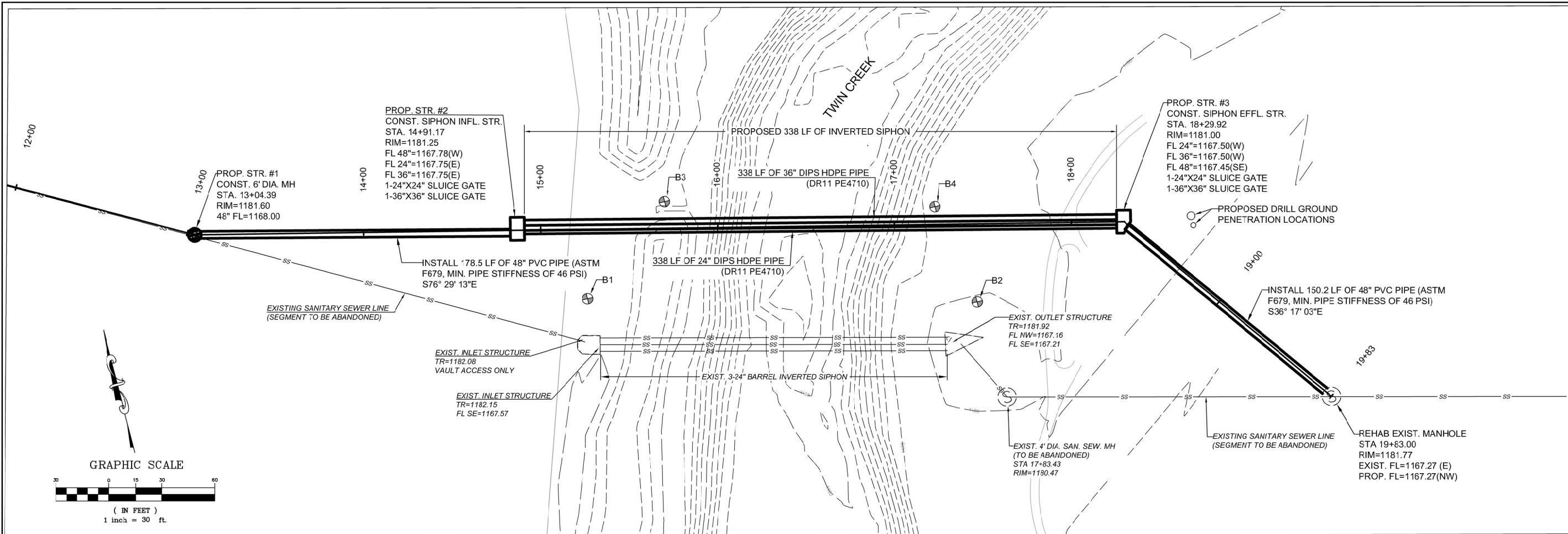
VERIFY SCALE
0 1" = 1' N/A
BAR IS ONE INCH ON ORIGINAL
DRAWING. IF NOT ONE INCH ON
THIS SHEET, ADJUST ACCORDINGLY.

SHEET NUMBER
03

Project #: SC-1098

FC1 FIELD CHANGE 1

2/24/2023 2:42 PM ALEX PETA Z:\117022 - OCWUT 2022\TASK ORDER 22-010 - TWIN CREEK SIPHON REPAIR\TASK 2-ENGINEERING\DRAWINGS\117022 TO 22-010.DSGN.DWG



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REVISIONS		DESCRIPTION
NO.	DATE	DESCRIPTION
1	FC 2/24/2023	REVISED PROFILE

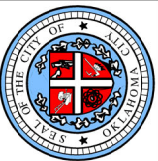
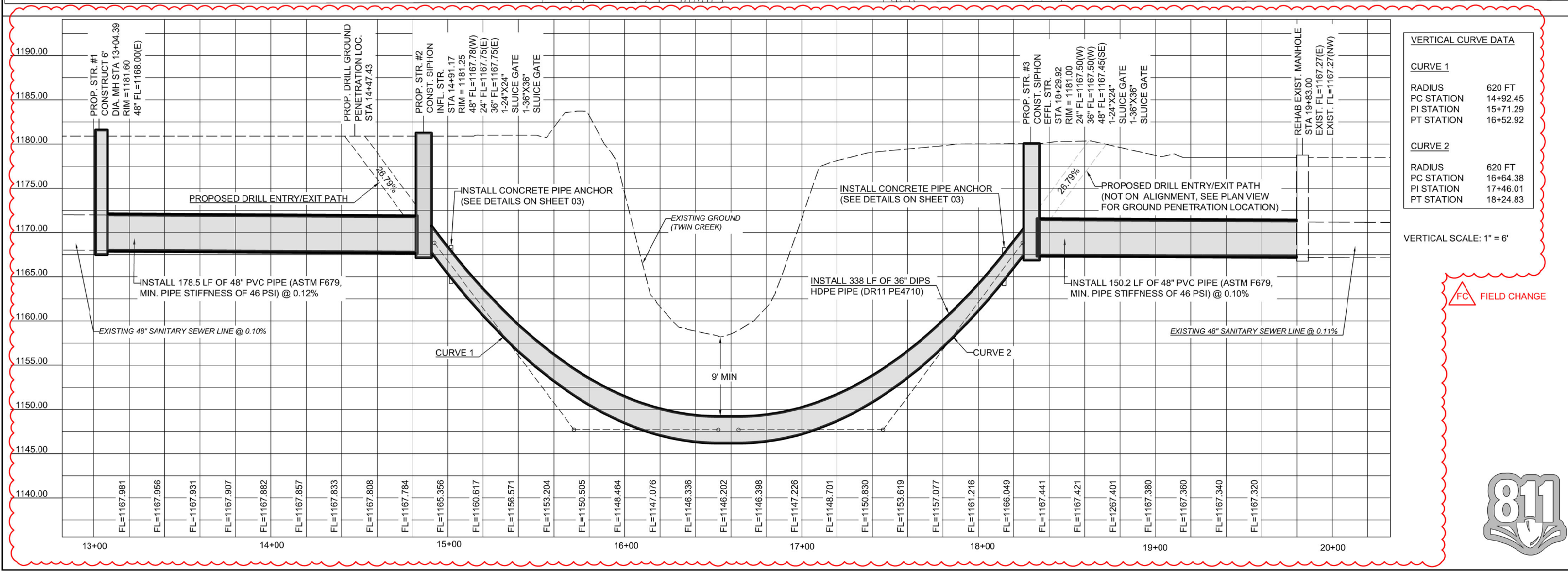
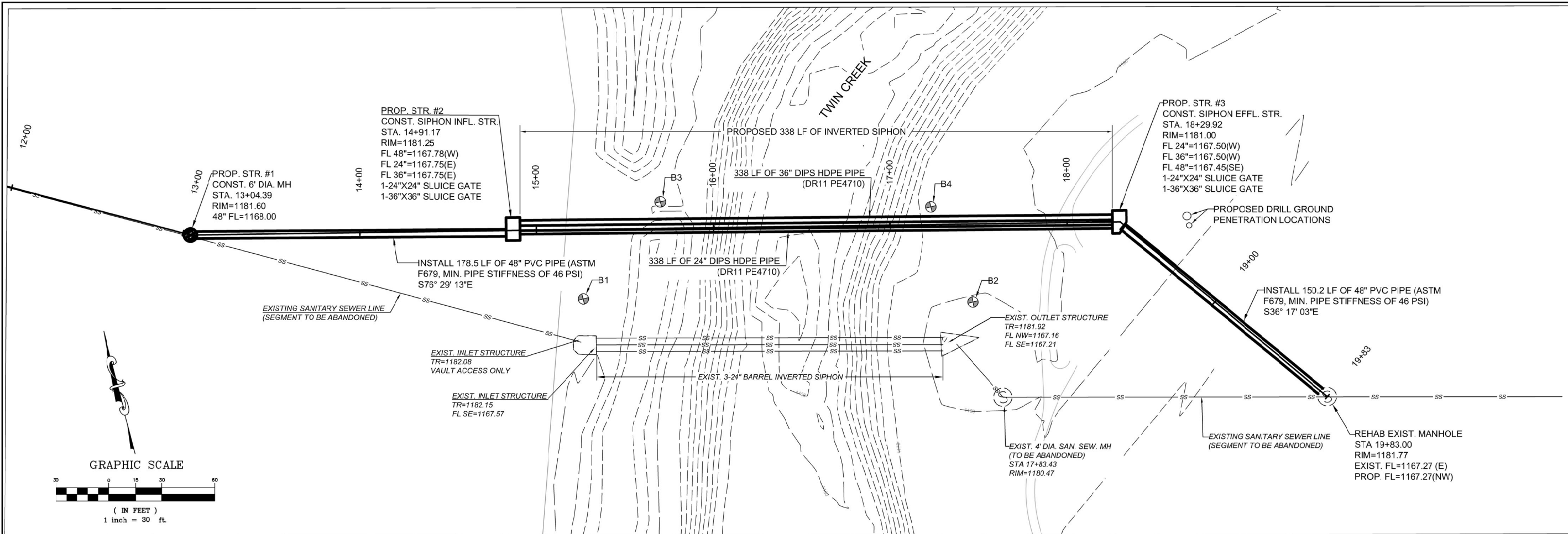
OCWUT
SC-1098
TWIN CREEK SIPHON REPLACEMENT
24" PLAN & PROFILE SHEET

DATE: 2/22/2023
DRAWN BY: AJP
CHECKED BY: RCS

VERIFY SCALE
0 1"
BAR IS ONE INCH ON ORIGINAL
DRAWING. IF NOT ONE INCH ON
THIS SHEET, ADJUST ACCORDINGLY.

SHEET NUMBER
09
Project #: SC-1098

2/24/2023 2:42 PM ALEX PETA Z:\117022 - OCWUT 2022\TASK ORDER 22-010 - TWIN CREEK SIPHON REPAIR\TASK 2-ENGINEERING\DRAWINGS\117022 TO 22-010.DSGN.DWG



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REVISIONS		DESCRIPTION
NO.	DATE	DESCRIPTION
1	2/24/2023	REVISED PROFILE

OCWUT
SC-1098
TWIN CREEK SIPHON REPLACEMENT
36" PLAN & PROFILE SHEET

DATE: 2/22/2023
DRAWN BY: AJP
CHECKED BY: RCS

VERIFY SCALE
0 1"
BAR IS ONE INCH ON ORIGINAL
DRAWING. IF NOT ONE INCH ON
THIS SHEET, ADJUST ACCORDINGLY.

SHEET NUMBER
10
Project #: SC-1098

Cimarron Construction Company
3501 NE 63rd Street
Oklahoma City, OK 73121
(405)728-1555 Fax (405)728-5026

To: City of Oklahoma City

April 3, 2023

Re: SC-1098
Twin Creek Siphon Replacement
Proposed Deduct Change Order to Directional Drill in Lieu of Auger Boring under Twin Creek.

Public Waterline
ITEM CHANGES

Item	Description	Original Bid Quantity	New Quantity	Difference From Original Bid	Unit	Unit Price	Total Price
1	Trench Excavation And Backfill- Zero to Fifteen FT	350.000	330.000	-20.00	LF	\$ 48.00	\$ (960.00)
2	Trench Excavation And Backfill- Zero To Twenty FT	25.000	0.000	-25.00	LF	\$ 75.00	\$ (1,875.00)
3	Boring- Casing Carrier Size 24"	240.000	0.000	-240.00	LF	\$ 2,795.00	\$ (670,800.00)
4	Boring- Casing Carrier Size 36"	240.000	0.000	-240.00	LF	\$ 3,485.00	\$ (836,400.00)
6	Deflection Test	330.000	330.000	0.00	LF	\$ 8.00	\$ -
7	Television Inspection	1,000.000	1,000.000	0.00	LF	\$ 4.00	\$ -
8	Sewer Leakage Test 24"	343.000	0.000	-343.00	LF	\$ 9.00	\$ (3,087.00)
9	Sewer Leakage Test 36"	343.000	0.000	-343.00	LF	\$ 10.00	\$ (3,430.00)
10	Sewer Leakage Test 48"	330.000	330.000	0.00	LF	\$ 11.00	\$ -
11	6' Sanitary Sewer Manhole (0-6')	1.000	1.000	0.00	EA	\$ 18,300.00	\$ -
12	6' Sanitary Sewer Manhole ADD'LT Depth	8.000	8.000	0.00	VF	\$ 825.00	\$ -
13	Sanitary Sewer Manhole Rehab	14.500	14.500	0.00	VF	\$ 1,600.00	\$ -
14	Abandon Manhole 4'	1.000	1.000	0.00	EA	\$ 2,250.00	\$ -
15	Sanitary Sewer Pipe (24")(PVC)	343.000	0.000	-343.00	LF	\$ 315.00	\$ (108,045.00)
16	Sanitary Sewer Pipe (36")(PVC)	343.000	0.000	-343.00	LF	\$ 530.00	\$ (181,790.00)
17	Sanitary Sewer Pipe (48")(PVC)	330.000	330.000	0.00	LF	\$ 880.00	\$ -
18	24"x 22.5 Degree Bend	2.000	0.000	-2.00	EA	\$ 6,250.00	\$ (12,500.00)
19	36" x 22.5 Degree Bend	2.000	0.000	-2.00	EA	\$ 9,250.00	\$ (18,500.00)
20	Construction Staking (Construction Survey)	1.000	1.000	0.00	LS	\$ 5,400.00	\$ -
21	Mobilization	1.000	1.000	0.00	LS	\$ 125,165.00	\$ -
22	Clearing and Grubbing	1.000	1.000	0.00	LS	\$ 15,250.00	\$ -
23	Remove and Replace Sidewalk	20.000	20.000	0.00	SY	\$ 150.00	\$ -
24	Solid Slab Sodding	2,400.000	2,400.000	0.00	SY	\$ 4.00	\$ -
25	Erosion Control	1.000	1.000	0.00	LS	\$ 5,250.00	\$ -
26	Demolish Existing Siphon Structures	1.000	1.000	0.00	LS	\$ 6,300.00	\$ -
27	24"x24" Heavy Duty Sluice Gate	2.000	2.000	0.00	EA	\$ 16,500.00	\$ -

Continued on Page #2



Cimarron Construction Company
3501 NE 63rd Street
Oklahoma City, OK 73121
(405)728-1555 Fax (405)728-5026

SC-1098 Twin Creek Siphon
ITEM CHANGES (Continued)

Item	Description	Original Bid Quantity	New Quantity	Difference From Original Bid	Unit	Unit Price	Total Price
28	36"x36" Heavy Duty Sluice Gate	2.000	2.000	0.00	EA	\$ 25,250.00	\$ -
29	Siphon Influent and Effluent Structure	1.000	1.000	0.00	LS	\$ 283,500.00	\$ -
30	Miscellaneous Work Items	1.000	1.000	0.00	LS	\$ 56,027.00	\$ -
31	Abandon and Rem Exist.Sanitary Sewer Pipes & Strct	1.000	1.000	0.00	LS	\$ 85,500.00	\$ -
32	Trench Excavation and Backfill 0'-25')	25.000	0.000	-25.00	LF	\$ 100.00	\$ (2,500.00)
33	Trench Excavation and Backfill (0' to 30')	40.000	0.000	-40.00	LF	\$ 125.00	\$ (5,000.00)
34	Temporary Bypass Pumping (Standby)	80.000	80.000	0.00	DAYS	\$ 402.00	\$ -
35	Temporary Bypass Pumping (Active)	40.000	40.000	0.00	DAYS	\$ 1,885.00	\$ -
36	24" DIPS DR-11 By Directional Drilling	0.000	338.000	338.00	LF	\$ 967.00	\$ 326,846.00
37	36" DIPS DR-11 by Directional Drilling	0.000	338.000	338.00	LF	\$ 1,568.00	\$ 529,984.00
Total For Changes - SC-1098 Twin Creek Siphon Replacement							\$ (988,057.00)

Original Bid Amount \$ 2,997,799.00
Proposed Deduct \$ (988,057.00)

Proposed New Contract Total \$ 2,009,742.00

Optional Deduct

If Testing to 100 PSI is not Required and a Standard Test of 5 PSI can be Utilized for Testing the 24" and 36" DR-11 HDPE
The Following can be Deducted from line items 36 & 37

- 36 24" DIPS DR-11 by Directional Drilling - Deduct \$40.00/LF to Make the Unit Price \$927.00/LF (Potential Savings of \$13,520.00)
- 37 36" DIPS DR-11 by Directional Drilling - Deduct (\$89.00/LF to make Unit Price \$1,479.00/LF (Potential Savings of \$30,082.00)

Notes:

- 1 24" and 36" HDPE is Quoted as Black with No Color Included.
- 2 Interior of Structures to be Coated with Raven Epoxy Coating.

Thank You,
Jon Huckabay
Cimarron Construction Co.

