

EXHIBIT A
City of Boerne
Shop Drawing Transmittal No. 02221 - 02
(Spec Section) (Series)

Project Name: George's Ranch Unit 1		Date Received:	
Project Owner: The Lookout Group		Checked By:	
Contractor: VK Knowlton	Engineer: Cude Engineering	Log Page:	
Address: 18225 FM 2252 San Antonio, Tx 78266	Address: 4122 Pond Hill Rd #101 San Antonio, Tx 78231	City of Boerne No.:	
		Spec Section: 02221	
		Drawing/Detail No.:	
Attn: Derek Moczygemba	Attn: Patrick Murphy	1st. Sub	ReSub.
Date Transmitted: 11/15/2023	Previous Transmittal Date:		

Item No.	No. Copies	Description	Manufacturer	Mfr/Vendor Dwg or Data No.	Action Taken*
		Modified Grade 5 - Water Main Embedment	Heidelberg Materials		

Remarks:

* The Action Designated Above is in Accordance with the Following Legend:

A - Furnish as Submitted

D - Rejected

B - Furnish as Noted

E - Engineer's review not required

C - Revise and Submit

1. Not enough information for review.
2. No reproducibles submitted.
3. Copies illegible.
4. Not enough copies submitted.
5. Wrong sequence number.
6. Wrong resubmittal number.
7. Wrong spec. section.
8. Wrong form used.
9. See comments.

1. Submittal not required.
2. Supplemental Information. Submittal retained for informational purposes only.
3. Information reviewed and approved on prior submittal.
4. See comments.

Comments:

Distribution:

Contractor



File ☐

City of Boerne ☐

Owner ☐

Other ☐

By

Date

10/04/2023

TX177-MOD 5

Procedure	Sieve/Test	Average	Unit
ASTM C-136, C- 566 & C-117	1/2" (12.5mm)	100.0	%
	3/8" (9.5mm)	99.5	%
	1/4" (6.3mm)	94.2	%
	#4 (4.75mm)	69.3	%
	#8 (2.36mm)	11.2	%
	#10 (2mm)	6.2	%
	#16 (1.18mm)	2.4	%
	#200 (75µm)	0.97	%
D-6928	Micro-Deval (C)	17.3	%
C-88	Soundness (MgSO ₄)	7.8	%
C-88	Soundness (Na ₂ SO ₄)	5.2	%
ASTM D5821	Unfractured Faces (>1)	0	%
C-566	Wash Loss (#200/75µm)	1.50	%
C-127	Absorption	2.6	%
C-566	Total Moisture	7.37	%
C-127	SPGR (Dry, Gsb)	2.50	
C-127	SPGR (SSD)	2.57	
C-127	SPGR (Apparent, Gsa)	2.69	
ASTM C-29	Unit Wt (Loose)	84.30	Lbs/Cu.Ft
ASTM C-29	Unit Wt (Rodded)	90.90	Lbs/Cu.Ft
ASTM C-29	Voids (Rodded)	43.4	%

Name/Title

Eli Martinez / QC Tech

Invoice

Bill From: CTR Construction LLC
35 Friar Tuck Circle
Poteet, TX 78065

Date: 11/14/2023
Invoice No.: 19
VKK Job No.: 22806

Bill to: VK Knowlton Construction and Utilities, Inc.
18225 FM 2252
San Antonio, TX 78266

Project Boerne Professional Center

Item #	Item Description	Bid Quantity	UM	Previously Billing	Percentage This Invoice	Complete to Date	Quantity To Date	Unit Price	Amount Due	VKK Phases
OFFSITE SEWER - PHASE II										
1	18" PVC (ASTM 679, PS46)(All Depths)	2,850.00	LF	100%	0%	100%	2,850.00	\$20.72	\$ -	2900.01
2	Compaction	2,462.00	CY	100%	0%	100%	2,462.00	\$12.50	\$ -	
3	Utility Spoils	949.00	CY	100%	0%	100%	949.00	\$5.69	\$ -	
4	18" PVC (ASTM 679, PS115)(All Depths)	643.00	LF	100%	0%	100%	643.00	\$20.72	\$ -	2900.02
5	Compaction	555.00	CY	100%	0%	100%	555.00	\$12.50	\$ -	
6	Utility Spoils	214.00	CY	100%	0%	100%	214.00	\$5.69	\$ -	
7	6" SDR PVC Sanitary Sewer Lateral (All Depths)	10.00	LF	100%	0%	100%	10.00	\$11.05	\$ -	2900.03
8	Compaction	3.95	CY	100%	0%	100%	3.95	\$12.50	\$ -	
9	Trench Excavation Protection	3,503.00	LF	100%	0%	100%	3,503.00	\$1.00	\$ -	2900.04
10	Sanitary Sewer Manhole (0'-6' Deep)	10.00	EACH	100%	0%	100%	10.00	\$879.92	\$ -	2900.05
11	Adjust Manhole	10.00	EACH	100%	0%	100%	10.00	\$421.50	\$ -	
12	Compaction	124.00	CY	100%	0%	100%	124.00	\$14.50	\$ -	
13	Sewer Testing	10.00	EACH	100%	0%	100%	10.00	\$351.31	\$ -	
14	Extra Depth Manhole (Greater Than 6' Deep)	52.00	VF	100%	0%	100%	52.00	\$100.56	\$ -	2900.06
15	Compaction	107.00	CY	100%	0%	100%	107.00	\$14.50	\$ -	
16	Drop Manhole	1.00	EACH	100%	0%	100%	1.00	\$879.92	\$ -	2900.07
17	Adjust Manhole	1.00	EACH	100%	0%	100%	1.00	\$421.50	\$ -	
18	Compaction	12.00	CY	100%	0%	100%	12.00	\$14.50	\$ -	
19	Sewer Testing	1.00	EACH	100%	0%	100%	1.00	\$351.31	\$ -	
20	Conc Encasement (Sewer)	19.00	CY	100%	0%	100%	19.00	\$66.31	\$ -	2900.08
21	Flowable Fill	20.00	CY	100%	0%	100%	20.00	\$66.31	\$ -	2900.09
22	Vertical Stacks	7.00	VF	100%	0%	100%	7.00	\$17.50	\$ -	2900.10
23	Cleanout	1.00	EACH	100%	0%	100%	1.00	\$234.64	\$ -	2900.11
24	Tie-In To Existing Sewer Manhole (Sta. 55+57.20)	1.00	EACH	100%	0%	100%	1.00	\$1,657.78	\$ -	2900.12

24	Compaction	421.00	CY	100%	0%	100%	421.00	\$12.50	\$	-	
25	Sanitary Sewer Manhole	4.00	EACH	100%	0%	100%	4.00	\$879.92	\$	-	2900.25
26	Adjust Manhole	4.00	EACH	100%	0%	100%	4.00	\$421.50	\$	-	
27	Compaction	49.00	CY	100%	0%	100%	49.00	\$14.50	\$	-	
28	Sewer Testing	4.00	EACH	100%	0%	100%	4.00	\$351.31	\$	-	
29	Extra Depth Manhole	15.00	VF	100%	0%	100%	15.00	\$100.56	\$	-	2900.26
30	Compaction	31.00	CY	100%	0%	100%	31.00	\$14.50	\$	-	
31	Concrete Encasement (Sewer)	13.00	CY	100%	0%	100%	13.00	\$66.31	\$	-	2900.27
32	6" SDR26 Sanitary Sewer Lateral	89.00	LF	100%	0%	100%	89.00	\$9.14	\$	-	2900.28
33	Compaction	15.00	CY	100%	0%	100%	15.00	\$12.50	\$	-	
34	Trench Protection (Sewer)	699.00	LF	100%	0%	100%	699.00	\$1.00	\$	-	2900.30
REMAINING ONSITE IMPROVEMENTS - DRAINAGE											
1	RCP CL III (24")	605.00	LF	100%	0%	100%	605.00	\$25.68	\$	-	2800.02
2	HDPE (18")	180.00	LF	100%	0%	100%	180.00	\$18.09	\$	-	2800.03
3	Trench Protection	785.00	LF	100%	0%	100%	785.00	\$1.00	\$	-	2800.04
4	Grate Inlet PC (4'x4') With Apron (0'-6')	1.00	EACH	100%	0%	100%	1.00	\$1,326.88	\$	-	2800.05
5	Curb Inlet (10') With Apron	7.00	CY	100%	0%	100%	7.00	\$1,598.94	\$	-	2800.06
6	Junction Box PC (4'x4')	3.00	EACH	100%	0%	100%	3.00	\$1,592.26	\$	-	2800.07
7	Outfall Structure (24" Headwall)	1.00	LS	100%	0%	100%	1.00	\$5,970.99	\$	-	2800.08

Change Order 1											
1	Ground Water Pumping	10.00	DY	100%	0%	100%	10.00	\$1,084.60	\$	-	
2	Ground Water Pumping	10.00	DY	100%	0%	100%	10.00	\$1,084.60	\$	-	
3	Additional Rock Berms	500.00	LF	0%	100%	100%	500.00	\$5.60	\$	2,800.00	
4	Cleanout	2.00	EACH	100%	0%	100%	2.00	\$234.64	\$	-	
5	12" C-900 Water Pipe Crossing Switchback Trail	75.00	LF	100%	0%	100%	75.00	\$9.38	\$	-	
6	12" Gate Valve Complete	1.00	EACH	100%	0%	100%	1.00	\$175.98	\$	-	
7	Blowoff Temp. (2")	1.00	EACH	100%	0%	100%	1.00	\$351.97	\$	-	
8	Gravel increase	1.00	LS	100%	0%	100%	1.00	\$6,631.16	\$	-	
9	Flowable Fill in creek crossings	100.00	CY	100%	0%	100%	100.00	\$24.86	\$	-	
10	Utility Compaction	343.00	CY	100%	0%	100%	343.00	\$12.50	\$	-	
11	Utility Compaction	48.00	CY	100%	0%	100%	48.00	\$12.50	\$	-	

Change Order 2											
1	18" PVC (ASTM 679, PS46)(sewer Extension)	16.36	LF	100%	0%	100%	16.36	\$33.91	\$	-	
2	Trench Sewer Line In Creek for Extension	16.36	LF	100%	0%	100%	16.36	\$37.61	\$	-	
3	12" C-900 (Dr 14) PVC Water Pipe (4' To 6' Bury)	-64.00	LF	100%	0%	100%	(64.00)	\$9.38	\$	-	

4	12' Gate Valve Complete	-1.00	EACH	100%	0%	100%	(1.00)	\$175.98	\$ -	
5	2" Blowoff Permanent	-2.00	EACH	100%	0%	100%	(2.00)	\$351.97	\$ -	
6	Flush Hydrant	1.00	EACH	100%	0%	100%	1.00	\$879.93	\$ -	
7	Gravel Increase #2	1.00	LS	100%	0%	100%	1.00	\$6,500.00	\$ -	

Original Contract Sum \$ 307,775.10 \$ 6,684.07

Net Change Orders Approved \$ 47,267.15

Contract Sum to Date \$ 355,042.25

Total Completed to Date \$ 354,213.50

Retainage to Date \$ 35,421.35

Total Earned Less Retainage \$ 318,792.15

Less Previous Payments \$ 312,776.49

Current Payment Due \$ 6,015.66

Balance to Finish Plus Retainage \$ 36,250.10