

RIVERWOOD RANCH, SECTION 2

HYDROSTATIC TEST FOR WATER LINE-FORCE MAIN P-PASS F-FAIL

LOCATION	DATE	START TIME	STOP TIME	INITIAL PRESS.	FINAL PRESS.	INITIAL METER READING	FINAL METER READING	LEAKAGE MEASURED	LEAKAGE ALLOWED	RESULTS
BENNETT ST. AMY ST.	1/18/22	7:40	12:50	153	153	025536.04 025536.04		-0-	4.15	PASS

TABLE 1 - DUCTILE IRON
Allowable Leakage per 1000 ft. of Pipeline - gph*

Average Test	Nominal Pipe Diameter				
Pressure psi	4	6	8	10	12
200	0.43	0.64	0.85	1.06	1.28
175	0.40	0.59	0.80	0.99	1.19
150	0.37	0.55	0.84	0.92	1.10
125	0.34	0.50	0.67	0.84	1.01
100	0.30	0.45	0.60	0.75	0.90

TABLE 2 - P.V.C.
Allowable Leakage per 1000 ft. of Pipeline - gph*

Average Test	Nominal Pipe Diameter				
Pressure psi	4	6	8	10	12
100	0.27	0.41	0.54	0.68	0.81
150	0.33	0.50	0.66	0.83	0.99
200	0.38	0.57	0.76	0.96	1.15

BENNETT ST
STA 18+75 TO 26+41
AMY ST
- 0+20 TO 7+50
1571' x 0.66
1000 x 4 =
4.15
GALLON

Bake & Lawson, Inc.

INSPECTOR

SM

JOB NO.

14395

RIVERWOOD RANCH, SECTION 2

HYDROSTATIC TEST FOR WATER LINE-FORCE MAIN P-PASS F-FAIL

LOCATION	DATE	START TIME	STOP TIME	INITIAL PRESS.	FINAL PRESS.	INITIAL METER READING	FINAL METER READING	LEAKAGE MEASURED	LEAKAGE ALLOWED	RESULTS
BENNETT LOOP AND CULLEN ST.	1/6/22	8:04	12:10	155	155	0255324.0	0255324.0	- 0 -	4.75	PASS

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$$\frac{1797' \times 0.066}{1000} \times 4 \text{ hr} = 4.75 \text{ GALLON}$$

BENNETT LOOP
STA 1+45 TO 18+75
CULLEN STREET
STA 0+23 TO 1+95

Bake & Lawson, Inc.

INSPECTOR Sm

JOB NO. 14395

[illegible]

[illegible]

[illegible]

[illegible]

Account Number: 320 TCEQ Form 10225 Rev. 8 / 2017		TCEQ Microbial Reporting Form		TCEQ LAB ID: 48005 	
Water System Identification & Sample Collection Information (Please type or use block print)				TCEQ LAB ID: 48005 Test Results must meet all accreditation / certification requirements unless stated otherwise.	
Public Water System ID: TX		Public Water System Name: City of Angleton		409 East Orange Street Angleton, TX 77515 979-864-1628 979-388-1628 281-756-1628 Fax: 979-849-1678 Email: WaterLab@brazoria-county.com	
County: Brazoria		Address: 122 WEST WAY, STE 325 City: LAKE JACKSON State: TEXAS Zip Code: 77566 Phone #: 979-480-0030 Fax #: 979-480-0060		Relinquished By (Sampler): Charles Swain Date / Time: 1-7-22 9:16 Relinquished By (Courier): Date / Time: Relinquished By (Lab): Date / Time: 1-7-22 9:17 Relinquished By (Lab): Date / Time: 1-7-22 9:17	
Sample Name (Print): Charles Swain Operator License#:		Signature: Charles Swain Operator: ☐ Owner ☐ Operator ☐ Other: Contractor		Tested By: Charles Swain Laboratory Approved: Charles Swain Date / Time: 1-7-22 9:17 Date / Time: 1-7-22 9:17 Date / Time: 1-7-22 9:17	
Sample Identification/Location Use Specific Address / Location Identified in Sample Siting Plan Raw Wells Use Source ID for Well Sampled (Example: G1234567A) SERVICE for LOT-12 Bayou Bend Court		Sample Type: (None) Repl. ☐ Raw Well ☐ Special ☐ Construction ☒		Collected Date: 1/7/22 Time: 8:00 am	
Sample ID & Date of Originating Sample (All Repeat, Replacement, & Triggered Raw Samples)		Circle "F" for Free, "T" for Total, (mg/L) 1.6		Chlorine Residual F T	
Rejection Code (If applicable) - Please Resubmit		Rejection Code (If applicable) - Please Resubmit		Rejection Code (If applicable) - Please Resubmit	
Test Method: SM 9223 Idexx Lab (Colliert @)		Test Method: SM 9223 Idexx Lab (Colliert @)		Test Method: SM 9223 Idexx Lab (Colliert @)	
Chlorine v Present Absent Present Absent Present		Chlorine v Present Absent Present Absent Present		Chlorine v Present Absent Present Absent Present	
Total Coliform Present Absent Present Absent Present		Total Coliform Present Absent Present Absent Present		Total Coliform Present Absent Present Absent Present	
E. coli Present Absent Present Absent Present		E. coli Present Absent Present Absent Present		E. coli Present Absent Present Absent Present	
Laboratory Sample ID Number		Laboratory Sample ID Number		Laboratory Sample ID Number	
2022-00164		2022-00164		2022-00164	

Riverwood Ranch
Section II

2/01/22

SANITARY SEWER LOW PRESSURE TEST

LOCATION	TIME MEASURED	START TIME	INITIAL PRESSURE	STOP TIME	FINAL PRESSURE	P/F	COMMENTS
MH _{ext} - MH ₁	8 mins	8:30	5 psi	8:33	4.5 psi	P	φ=8" 170 ft
MH ₁ - MH ₂	10 mins	9:00	3.5 psi	9:03	3.0 psi	P	φ 6" 400 ft
MH ₃ - MH ₄	8 mins	9:27	3.5 psi	9:30	9.30 psi	P	φ 6" 176 ft
MH ₄ - MH ₅	8 mins	9:40	5 psi	9:43	4.5	P	φ 8" 92 ft
MH ₆ - MH ₅	10 mins	10:15	5 psi	10:18	4.8	P	φ 8" 410 ft
MH ₆ - MH _{ext.}	10 mins	10:40	5 psi	10:43	4.5	P	φ 8" 320 ft
MH _{ext} - MH ₁₃	8 mins	11:00	5 psi	11:03	4.8	P	φ 8" 140 ft
MH ₁₃ - MH ₁₂	8 mins	11:10	5 psi	11:13	4.8	P	φ 8" 88 ft
MH ₁₁ - MH ₁₂	8 mins	11:23	5 psi	11:26	4.5	P	φ 8" 288 ft
MH ₁₁ - MH ₁₀	8 mins	11:35	5 psi	11:38	4.5	P	φ 8" 32 ft
MH ₉ - MH ₁₀	3 mins	12:57	5 psi	13:00	5 psi	P	φ 8" 202 ft
MH ₈ - MH ₉	10 mins	13:20	5 psi	13:23	4.5 psi	P	φ 8" 305 ft
MH ₈ - MH ₄	8 mins	13:40	5 psi	13:43	4.5 psi	P	φ 8" 87 ft
MH ₇ - Clean out	8 mins	13:50	5 psi	13:53	5 psi	P	
MH ₉ - Clean out	3 mins	13:05	5 psi	13:08	4.8	P	

P = Pass F = Fail

JOB No. 14395

MANHOLE VACUUM TEST

14395

Riverwood Ranch II

PN

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MANHOLE VACUUM TEST

P = Pass F = Fail

M H No.	LOCATION	DATE	RESULTS	START TIME	START VACUUM	STOP TIME	STOP VACUUM
MH 11		1/27/22	P	8:00	10" Hg	8:02	9.5" Hg
MH 10		1/27/22	P	8:20	10" Hg	8:22	9.5" Hg
MH 9		1/27/22	P	8:38	10" Hg	8:40	9.2" Hg
MH 8		1/27/22	P	8:55	10" Hg	8:57	9.1" Hg
MH 7		1/27/22	P	9:10	10" Hg	9:12	9.5" Hg
MH 4		2/2/22	P	9:00	10" Hg	9:03	9.5" Hg
MH 12		2/2/22	P	14:00	10" Hg	14:03	9.2" Hg
MH 3		2/8/22	P	11:44	10" Hg	11:46	9.0" Hg

BAKER & LAWSON, INC.

INSPECTOR

DK

JOB No.

14395