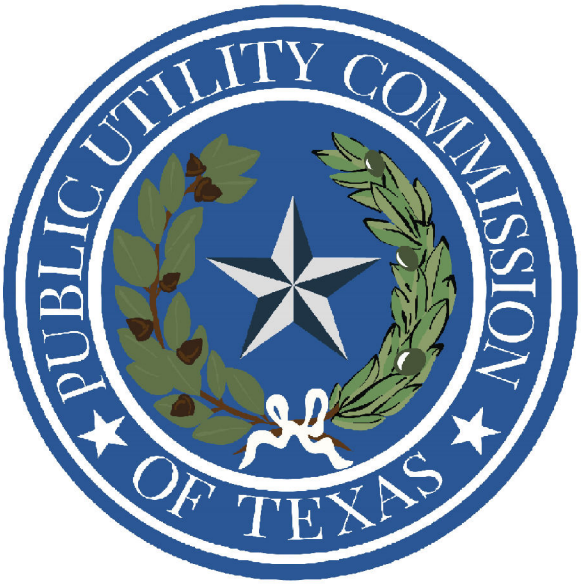


Filing Receipt

Received - 2022-04-27 03:22:59 PM
Control Number - 52440
ItemNumber - 21

DOCKET NO. 52440

APPLICATION OF CRYSTAL SPRINGS WATER COMPANY, INC. TO AMEND ITS CERTIFICATES OF CONVENIENCE AND NECESSITY IN MONTGOMERY COUNTY	§ § § § §	PUBLIC UTILITY COMMISSION OF TEXAS

CRYSTAL SPRINGS WATER COMPANY INC.'S
RESPONSES TO COMMISSION STAFF'S
THIRD REQUEST FOR INFORMATION
QUESTION NOS. STAFF 3-1 THORUGH 3-4

Applicant, Crystal Springs Water Company, Inc. submits the following Responses to Commission Staff's Third Request for Information.

Responses to Commission Staff's First Request for Information

Staff 3-1 Please refer to the bank letter filed on January 17, 2022 and provide the following:

1. Admit or deny that the term loan and revolving line of credit covers the entire cost of $8,465,000 for property and equipment ($2,152,500 for water plant, $1,312,500 for wastewater plant, $1,250,000 for water distribution lines, and $3,750,000 for sewage collection lines) provided in the 5 year projected balance sheet listed in Attachment H to the application on Bates Stamp page 147.
2. If the bank letter does not cover the entire cost referenced above, please indicate which costs are not covered and whether they will be paid for by the developers who have requested service. For example, if the water distribution lines cost and the sewage collection lines cost will be paid for by the developer(s), please provide the developer agreement(s) indicating the developer will pay for those costs, as well as the number of water and sewer connections per agreement.

Response 3-1 Crystal Springs Water Company, Inc. admits that the term loan and revolving line of credit covers the entire cost of $8,465,000 for property and equipment.

Staff 3-2 Please refer to the 5 year projected balance sheet listed in Attachment H to the application on Bates Stamp page 147, as well as the response to Question 11 in the application on Bates Stamp pages 6-7 and provide the following:

1. Admit or deny that the estimated plant cost of the water and sewer system will contain the capacity to provide water and sewer service to the entire requested area.
2. Admit or deny that the water plant cost of $2,152,500 includes the cost for all three water plants required to serve the requested area that are indicated on the response to Question 11.C.
3. If the water plant cost does not include all three water plants, please provide the projected costs and timeline for construction of Water Plants Nos. 2 and 3.

Response 3-2 The estimated plant cost of the water and sewer system referenced in Year 5 of the projected balance sheet listed in Attachment H to the application on Bates Stamp page 147 does not contain the capacity to provide water and sewer service to the entire requested area. Please see the tables in Attachment A that show the build out projections for both the water and sewer systems

In summary:

For the water system, Year 1 includes Well 1, Ground Storage Tank (GST) 1, Hydropneumatic Tank (HPT) 1 and Booster Pumps (BP) 1-4 at Water Plant (WP) 1. Year 2 includes adding Well 2 to WP 1, Year 3 includes adding GST 2 to WP 1. Year 4 includes adding HPT 2 to WP 1. Year 5 includes Well 3, GST 3, HPT 3 and BPs 5-8 at WP 2. There is no new construction in Year 6. Year 7 includes adding Well 4 to WP 2. There is no new construction in Years 8, 9, and 10. Year 11 includes construction of WP 3 inclusive of Well 5, GST 4, HPT 4, and BPs 9-12. There is no new construction is Year 12. Year 13 includes adding Well 6.

For the wastewater system, Year 1 includes the first 0.250 mgd Wastewater Treatment Plant (WWTP). The second 0.250 mgd WWTP will be constructed in Year 6. The third 0.250 mgd WWTP will be constructed in Year 11.

Staff 3 -3 Please provide the number of connections and capacity planned for each phase of the built-out for each of the water plants.

Response 3-3 Please see Attachment A.

Staff 3-4 Please provide a map showing the locations of each phase provided in response to Staff 3-3.

Response 3-4 See Attachment B.

Respectfully submitted,

WaterEngineers, Inc.
17230 Huffmeister Road, Suite A
Cypress, Texas 77429
Telephone: (281) 373-0500
Fax (281) 373-1113

By: Shelley Young
Shelley Young, P.E.
Engineer for Crystal Springs Water Company, Inc.

VERIFICATION

STATE OF TEXAS §
§
COUNTY OF HARRIS §

I hereby verify that the foregoing Responses to Commission Staff's Second Request for Information Nos. Staff 3-1 through Staff 3-4 are true and correct.

By: Shelley Young
Shelley Young, P.E.
WaterEngineers., Inc.

SUBSCRIBED AND SWORN TO BEFORE ME this 27th day of April, 2022.

Jennifer R Mitrick
Notary Public, State of Texas

[SEAL]

JENNIFER R. MITRICK
ID #126010225
My Commission Expires
June 30, 2024

Jennifer R. Mitrick
Printed Name

My Commission Expires: June 30, 2024

CERTIFICATE OF SERVICE

I hereby certify that on April 27, 2022, the foregoing document and attachments were filed with all parties of record in this proceeding via electronic submission through the PUC Filer.

Shelley Young

Shelley Young, P.E.

ATTACHMENT A

TABLE 1
WHITE ROCK WATER AND WASTEWATER SYSTEM

WATER SYSTEM CAPACITY RATING & EXPANSION PLAN

		2022 Facility Rating			2023 Facility Rating			2024 Facility Rating			2025 Facility Rating			2026 Facility Rating			2027 Facility Rating			2028 Facility Rating			2029 Facility Rating			2030 Facility Rating			2031 Facility Rating			2032 Facility Rating			2033 Facility Rating			2034 Facility Rating			2035 Facility Rating		
			TCEQ Std-			TCEQ Std-	Total		TCEQ Std-	Total		TCEQ Std-	Total		TCEQ Std-	Total		TCEQ Std-	Total		TCEQ Std-	Total		TCEQ Std-	Total		TCEQ Std-	Total		TCEQ Std-	Total		TCEQ Std-	Total		TCEQ Std-	Total		TCEQ Std-	Total		TCEQ Std-	Total
	Location	Units	ESFC/Unit	ESFC	Units	ESFC/Unit	ESFC	Units	ESFC/Unit	ESFC	Units	ESFC/Unit	ESFC	Units	ESFC/Unit	ESFC	Units	ESFC/Unit	ESFC	Units	ESFC/Unit	ESFC	Units	ESFC/Unit	ESFC	Units	ESFC/Unit	ESFC	Units	ESFC/Unit	ESFC	Units	ESFC/Unit	ESFC	Units	ESFC/Unit	ESFC	Units	ESFC/Unit	ESFC	Units	ESFC/Unit	ESFC
Well Supply																																										
Well # 1, gpm	WP # 1	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583
Well # 2, gpm	WP # 1	0	0.6	0	400	0.6	667	400	0.6	667	400	0.6	667	400	0.6	667	400	0.6	667	400	0.6	667	400	0.6	667	400	0.6	667	400	0.6	667	400	0.6	667	400	0.6	667	400	0.6	667	400	0.6	667
Well # 3, gpm	WP # 2	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583	350	0.6	583
Well # 4, gpm	WP # 2	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	450	0.6	750	450	0.6	750	450	0.6	750	450	0.6	750	450	0.6	750	450	0.6	750	450	0.6	750	450	0.6	750
Well # 5, gpm	WP # 3	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	450	0.6	750	450	0.6	750	450	0.6	750	450	0.6	750
Well # 6, gpm	WP # 3	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	0	0.6	0	450	0.6	750	450	0.6	750	450	0.6	750
Total System Well Capacity, gpm		350		583	750		1,250	750		1,250	750		1,250	1,100		1,833	1,100		1,833	1,550		2,583	1,550		2,583	1,550		2,583	1,550		2,583	2,000		3,333	2,000		3,333	2,450		4,083	2,450		4,083
Ground Storage																																										
GST #1Volume, gal	WP # 1	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626
GST # 2 Volume, gal	WP # 1	0	200	0	0	200	0	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626	125,186	200	626
GST # 3 Volume, gal	WP # 2	0	200	0	0	200	0	0	200	0	0	200	0	250,372	200	1,252	250,372	200	1,252	250,372	200	1,252	250,372	200	1,252	250,372	200	1,252	250,372	200	1,252	250,372	200	1,252	250,372	200	1,252	250,372	200	1,252	250,372	200	1,252
GST # 4 Volume, gal	WP # 3	0	200	0	0	200	0	0	200	0	0	200	0	0	200	0	0	200	0	0	200	0	0	200	0	0	200	0	0	200	0	250,372	200	1,252	250,372	200	1,252	250,372	200	1,252	250,372	200	1,252
Total System GST Volume, gal		125,186		626	125,186		626	250,372		1,252	250,372		1,252	500,744		2,504	500,744		2,504	500,744		2,504	0		2,504	500,744		2,504	500,744		2,504	751,116		3,756	751,116		3,756	751,116		3,756	751,116		3,756
Booster Pumping Capacity																																										
BP # 1, gpm	WP # 1	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300
BP # 2, gpm	WP # 1	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300
BP # 3, gpm	WP # 1	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300
BP # 4, gpm	WP # 1	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300
BP # 5, gpm	WP # 2	0	2	0	0	2	0	0	2	0	0	2	0	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300
BP # 6, gpm	WP # 2	0	2	0	0	2	0	0	2	0	0	2	0	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300
BP # 7, gpm	WP # 2	0	2	0	0	2	0	0	2	0	0	2	0	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300
BP #8, gpm	WP # 2	0	2	0	0	2	0	0	2	0	0	2	0	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300	600	2	300
BP # 9, gpm	WP # 3	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	600	2	300	600	2	300	600	2	300	600	2	300
BP # 10, gpm	WP # 3	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	600	2	300	600	2	300	600	2	300	600	2	300
BP # 11, gpm	WP # 3	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	600	2	300	600	2	300	600	2	300	600	2	300
BP # 12, gpm	WP # 3	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2	0	600	2	300	600	2	300	600	2	300	600	2	300
Total System Booster Pumping Capacity, gpm		2,400		1,200	2,400		1,200	2,400		1,200	2,400		1,200	4,800		2,400	4,800		2,400	4,800		2,400	4,800		2,400	4,800		2,400	4,800		2,400 **	7,200		3,600	7,200		3,600	7,200		3,600	7,200		3,600
Hydropneumatic Tank																																										
HPT # 1 Volume, gal	WP # 1	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505
HPT # 2 Volume, gal	WP # 1	0	20	0	0	20	0	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505	10,104	20	505
HPT # 3 Volume, gal	WP # 2	0	20	0	0	20	0	0	20	0	0	20	0	15,000	20	750	15,000	20	750	15,000	20	750	15,000	20	750	15,000	20	750	15,000	20	750	15,000	20	750	15,000	20	750	15,000	20	750	15,000	20	750
HPT # 4 Volume, gal	WP # 3	0	20	0	0	20	0	0	20	0	0	20	0	0	20	0	0	20	0	0	20	0	0	20	0	0	20	0	0	20	0	15,000	20	750	15,000	20	750	15,000	20	750	15,000	20	750
Total System Hydropneumatic Tank Volume, gal		10,104		505	10,104		505	20,208		1,010	20,208		1,010	35,208		2,750 (*)	35,208		2,750 (*)	35,208		2,750 (*)	35,208		2,750	35,208		2,750	35,208		2,750	50,208		3,500	50,208		3,500	50,208		3,500	50,208		3,500 (*)
Required Water System Capacity, ESFC				**250**			**500**			**750**			**1,000**			**1,250**			**1,500**			**1,750**			**2,000**			**2,250**			**2,500**			**2,750**			**3,000**			**3,250**			**3,500**
Rated Water System Connection Capacity, ESFC				**250**			**505**			**1,010**			**1,010**			**1,833**			**1,833**			**2,400**			**2,400**			**2,400**			**2,400**			**3,333**			**3,333**			**3,500**			**3,500**
Excess System Connection Capcity Available, ESFC				**0**			**5**			**260**			**10**			**583**			**333**			**650**			**400**			**150**			**-100** **			**583**			**333**			**250**			**0**

(*) TCEQ Rules specify that 30,000 gallons of hydropneumatic tank volume is adequate to serve up to 2,500 connections.
(**) TCEQ Rules specify that total service pump capacity be 2.0 gpm/connection or a total capacity of at least 1,000 gpm and the ability to meet peak hourly demands with the largest pump out of service, whichever is less.

WATERWATER TREATMENT SYSTEM CAPACITY RATING & EXPANSION PLAN

WWTP Capacity Required @ 200 gpd/ESFC, gpd		**50,000**			**100,000**			**150,000**			**200,000**			**250,000**			**300,000**			**350,000**			**400,000**			**450,000**			**500,000**			**550,000**			**600,000**			**650,000**			**700,000**		
Rated WWTP Capacity, gpd		**250,000**			**250,000**			**250,000**			**250,000**			**250,000**			**500,000**			**500,000**			**500,000**			**500,000**			**500,000**			**750,000**			**750,000**			**750,000**			**750,000**		
Excess System Capcity, gpd		**200,000**			**150,000**			**100,000**			**50,000**			**0**			**200,000**			**150,000**			**100,000**			**50,000**			**0**			**200,000**			**150,000**			**100,000**			**50,000**		

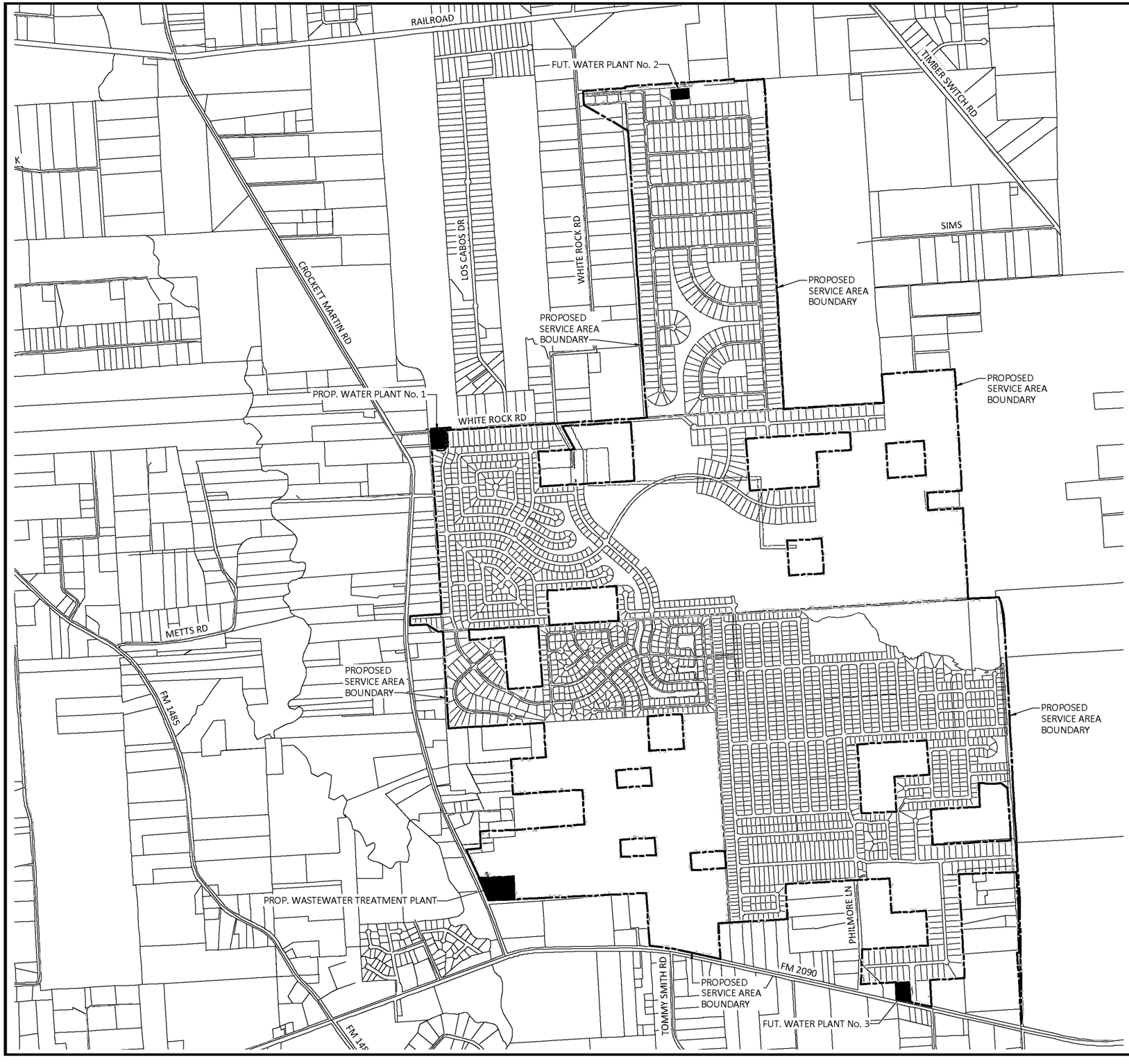
WHITE ROCK WATER SYSTEM DEVELOPMENT
WATER SYSTEM BUDGETARY COSTS

Year	Action	Budgetary Construction Cost	Engineering Cost @ 5%
2022	Construct Water Plant No. 1	$750,000	$37,500
2023	Add Well # 2 to Water Plant No. 1	$225,000	$11,250
2024	Add HPT # 2 to Water Plant No. 1	$50,000	$2,500
2025	Add GST # 2 to Water Plant No. 1	$200,000	$10,000
2026	Construct Water Plant No. 2	$825,000	$41,250
2027		$0	$0
2028	Add Well # 4 to Water Plant No. 2	$250,000	$12,500
2029		$0	$0
2030		$0	$0
2031		$0	$0
2032	Construct Water Plant No. 3	$925,000	$46,250
2033			$0
2034	Add Well No. 6 to Water Plant No. 3	$275,000	$13,750
2035			
2036			
		$3,500,000	$175,000

WHITE ROCK/PINE ROCK/ TRACT DEVELOPMENT
WASTEWATER SYSTEM BUDGETARY COSTS

Year	Action	Budgetary Construction Cost	Engineering Cost @ 5%
2022	Construct 0.25 mgd Phase I WWTP	$1,250,000	$62,500
2023		$0	$0
2024		$0	$0
2025		$0	$0
2026		$0	$0
2027	Construct 0.25 MGD Addition in Phase II	$1,500,000	$75,000
2028		$0	$0
2029		$0	$0
2030		$0	$0
2031		$0	$0
2032	Construct 0.25 MGD Addition in Phase II	$1,750,000	$87,500
2033		$0	$0
2034		$0	$0
2035		$0	$0
2036			
		$4,500,000	$225,000

ATTACHMENT B



LEGEND

PROPOSED SERVICE AREA BOUNDARY

N

0 800 1600

SCALE: 1" = 800'-0" (24"x36")
1" = 1600'-0" (11"x17" 8.5"x11")

WATERENGINEERS,INC.
Water & Wastewater Treatment Consultants
TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066
17230 HUFFMEISTER ROAD
CYPRESS, TEXAS 77429
TEL: 281-373-0500
FAX: 281-373-1113

APPLICANT: CRYSTAL SPRINGS WATER CO., INC.
APPLICATION TO AMEND
WATER CCN NO. 11373 &
SEWER CCN NO. 20906

FACILITIES PLAN

DRAWN BY: JLW	DWG. NO.:
APPROVED BY: SBY	**ATTACHMENT E**
SCALE: AS NOTED	
DATE: 8/17/2021	
JOB No.: 3813	

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