

Texas Water

Development Board

OLA ID 1307508

PIF No. 13257

Entity Name: Hudspeth Co WCID # 1

Project Name: Hudspeth County Allamoore
Well Field and Booster Pump
Station Improvements

TABLE OF CONTENTS

General Information

Contact Information

Service Area

Project Description

Document - WaterSystemList

Readiness to Proceed to Construction

Estimated Costs

Document - AnticipatedCommitments

Additional Attachments

Document - Additional_Attachments

Document - Additional_Attachments

Document - Additional_Attachments

Document - Additional_Attachments

Document - Additional_Attachments

Submittal

General Information

Project Information

Funding Type SWIFT

Contact Information

County Hudspeth

Entity Contact Information	Engineering Firm Contact Information
Name of Entity Hudspeth Co WCID # 1	Name of New Entity
Prefix Mr.	Prefix Mr.
First Name Mac	First Name James
Last Name Marquez	Last Name Busby
Addr 1 PO Box 188	Addr 1 1030 Andrews Highway STE 211
Addr 2	Addr 2
City Sierra Blanca	City Midland
State TX	State TX
Zip 79851-0188	Zip 79701-3872
Phone (915) 369-2221	Phone (432) 689-8909
Fax	Fax (432) 689-8911
Suffix	Suffix
OrgName	OrgName
DeptName	DeptName
Title General Manager	Title District Consulting Engineer
Email mac10@windstream.net	Email james.busby@burgessniple.com
	Firm Name Burgess & Niple, Inc.
Make Changes Y	Make Changes Y
No Entity TxWISE Id	No Engineering TxWISE Id

Service Area

Population Served 2,141

Project Description

Project Name Hudspeth County Allamoore Well Field and Booster Pump Station Improvements

Where can Project be found in the most recent Regional Water Plan?

The project is described on page #: 5A-48

The capital cost is listed on page #: 5A-48

Region E - FAR WEST TEXAS

Phase(s) Applied For

Planning Y

Acquisition Y

Design Y

Construction Y

Emergency

Applicant/entity's water supply will last less than 180 days. N

Applicant has received or applied for Federal emergency funding. N

None of the above. Y

Agricultural Efficiency Project? N

Estimated average annual residential water bill \$47

Annual Median Household Income \$35,500

Project will produce water Y

Project will conserve water N

Please provide the volume of water anticipated to be produced or conserved by the project per decade:

2020	2030	2040	2050	2060	2070
235	350	470	470	470	470

Project will address water loss Y

Description of Proposed Project Components Completion of four new water wells, ground storage tanks, booster pumps, and improvements to the existing Van Horn Transmission Line, near the community of Allamoore.

Texas Commission on Environmental Quality	Office of Water	Public Drinking Water Section
County Map of TX	Water System Search	Office of Compliance and Enforcement

Water System Detail			
Water System Facilities	Violations	Enforcement	TCR Sample Results
Source Water Assessment Results	Actions		TTHM HAA5 Summaries
Sample Points	Assistance Actions	Recent Positive TCR Results	PBCU Summaries
Sample Schedules / FANLs / Plans	Compliance Schedules	Other Chemical Results	Chlorine Summaries
Site Visits Milestones	TOC/Alkalinity Results	Chemical Results: Sort by: Name Code	Turbidity Summaries
Operators All POC	LRAA (TTHM/HAA5)	Recent Non-TCR Sample Results	TCR Sample Summaries
Glossary		DWW Instructions	

Water System Detail Information			
Water System No.:	TX1150007	System Type:	C
Water System Name:	HUDSPETH COUNTY WCID 1	Primary Source Type:	GW
Principal County Served:	HUDSPETH	System Status:	A
Principal City Served:		Activity Date:	04-09-1956
Population:	770	System Recognition:	NO DATA

Water System Contacts			
Type	Contact	Communication	
AC - Administrative Contact	DAVIS, TALLEY PO BOX 35 DELL CITY, TX 79837-0035	Electronic Type	Value
		Phone Type	Value
		BUS - Business	915-964-2932
		BUS - Business	915-964-2458

Sources of Water			
Name	Type	Activity	Availability
GW I/C FROM CITY OF VAN HORN	CC	A	P
1 - S SIDE AIRPORT WELL	WL	A	P

Source Water Percentages			
Surface Water	0	Surface Water Purchased	0
Ground Water	0	Ground Water Purchased	0
Ground Water UDI	0	Ground Water UDI Purchased	0

Certification Name	Code	Begin Date
--------------------	------	------------

WS Flow Rates		
Type	Quantity	UOM

WS Measures		
Type	Quantity	UOM

WS Indicators		
Type	Value	Date
DBP2 - Stage2 DBPR Schedule Category	4 - 4	10-01-2013
POWN - Previous Ownership Type Code. This is the WUD ownership code.	DIS - District	
PRFT - Status as a For or Non Profit Entitiy	NON - Non Profit	
SSWP - State Source Water Program	NO - No	06-22-2009
XCON - Cross Connection control Program Ranking	ADQTE - Adequate	04-22-2015
XCON - Cross Connection control Program Ranking	ADQTE - Adequate	

Readiness to Proceed to Construction

Preliminary planning or design work (30% of total project) has been completed or is not required.
N

Applicant is prepared to begin implementation or construction within 18 months of application deadline. N

Applicant has acquired all water rights associated with the proposed project, or none will be required. N

Estimated Costs

TWDB Requested Amount

Low-Interest Loan Amount \$5000000.00

Deferred Loan Amount

Board Participation Amount

Local Contribution Amount

Other Amount

Other Desc

Total Estimated Project Costs \$5000000.00

Anticipated Debt Service for 2018 Loan Closing is anticipated to be: LEVEL

Proposed Multi-Year Commitment Schedule

10/1/2021	\$	1,000,000.00
10/1/2022	\$	3,000,000.00
10/1/2024	\$	1,000,000.00
Total Project Cost	\$	5,000,000.00

Additional Attachments

The following documents are attached after this page:

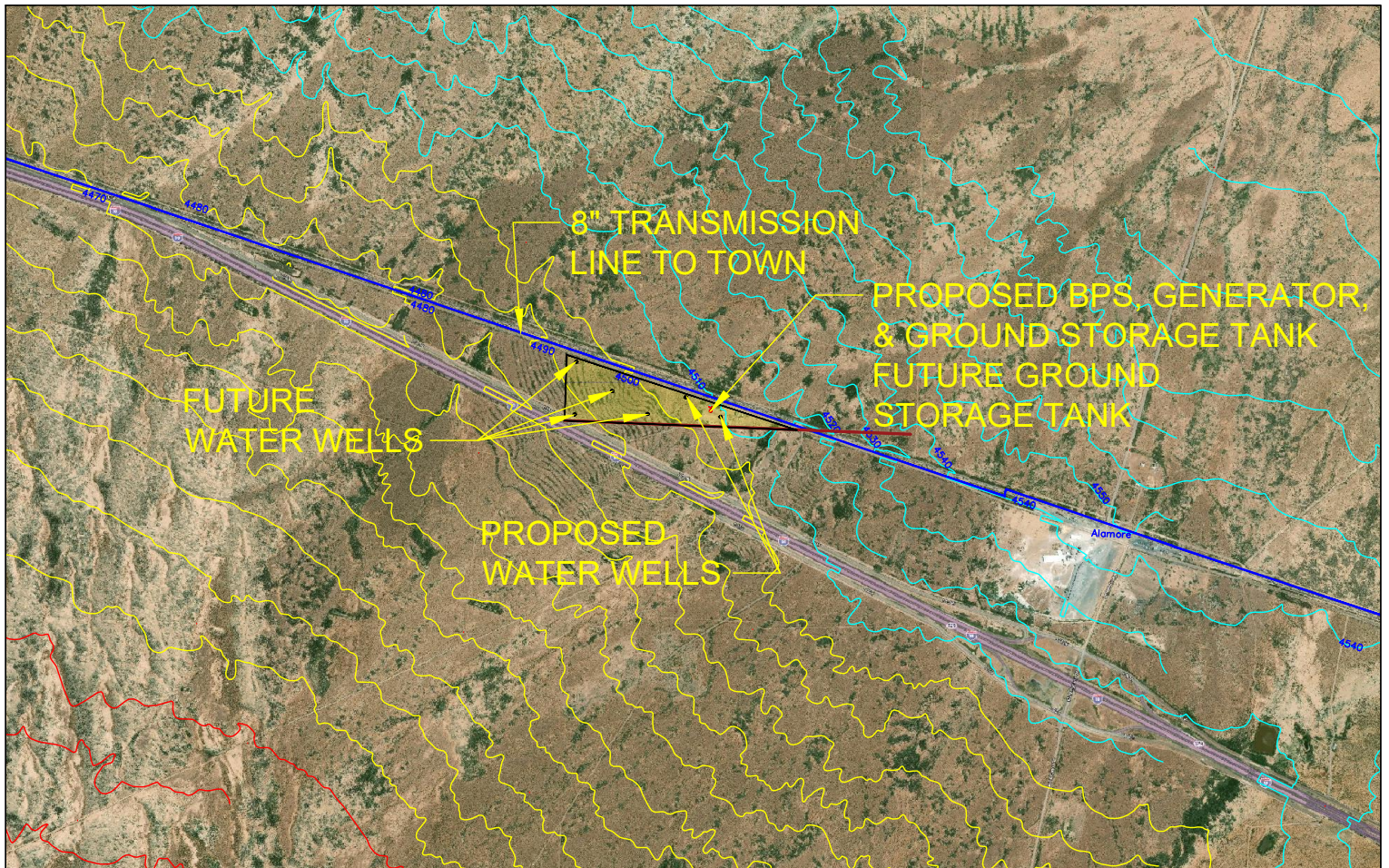
Hudspeth Well Layout-Large.pdf

Hudspeth Well Layout-Small.pdf

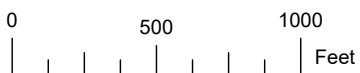
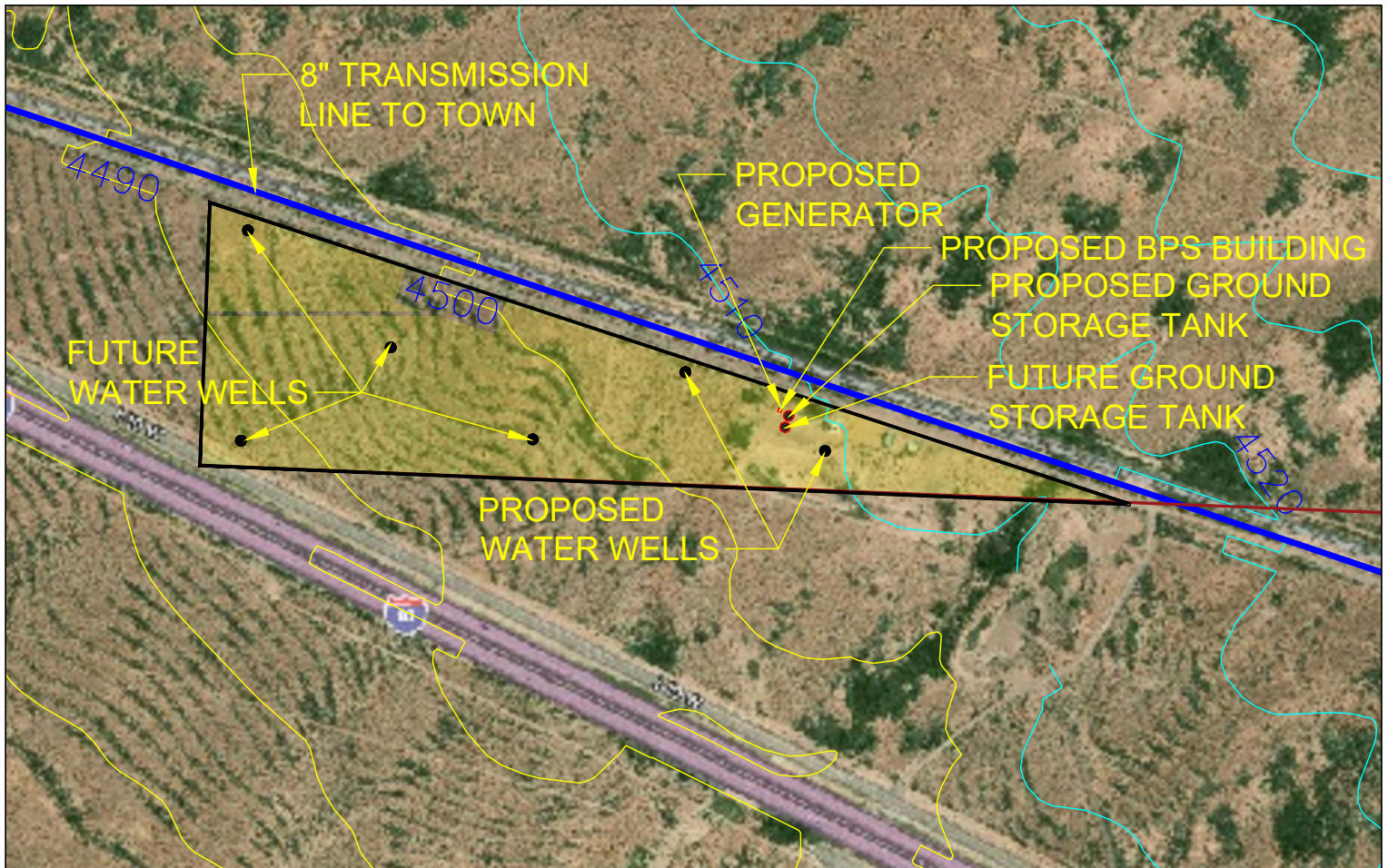
Opinion of Probable Cost.pdf

Water System Boundary.pdf

Hudspeth County Water Strategy Additional Information.pdf



HUDSPETH COUNTY WC&ID NO. 1 RO SYSTEM
ALLAMOORE WELL FIELD LAYOUT
SITE DRAWING
BURGESS & NIPLE Engineers ■ Planners
1030 Andrews Hwy Suite 211 • Midland • Texas • 79701

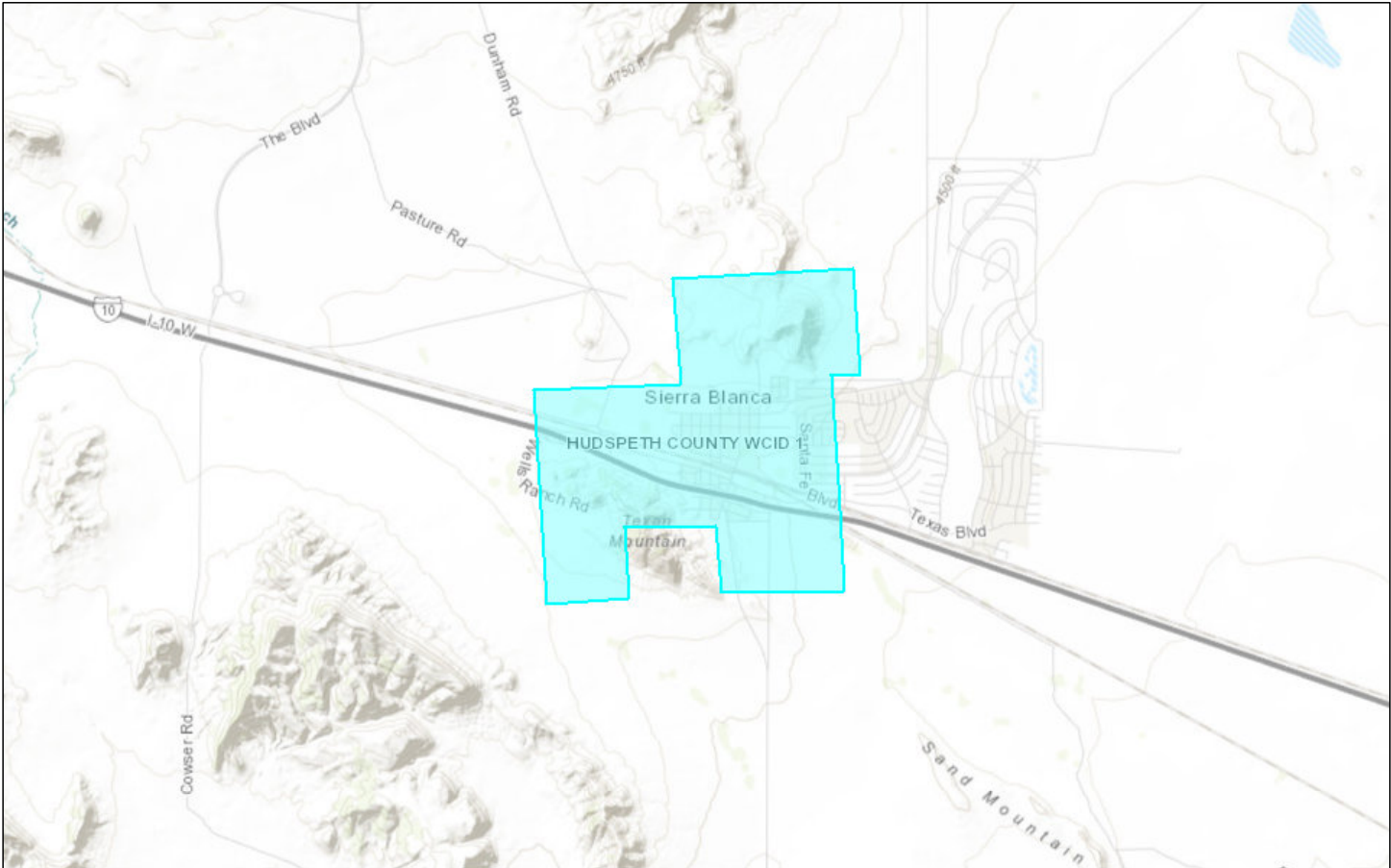


HUDSPETH COUNTY WC&ID NO. 1 RO SYSTEM
ALLAMOORE WELL FIELD LAYOUT
SITE DRAWING
BURGESS & NIPLE Engineers ■ Planners
1030 Andrews Hwy Suite 211 • Midland • Texas • 79701

OPINION OF PROBABLE COST
HUDSPETH COUNTY WC&ID NO. 1
PROPOSED SIERRA BLANCA WATER SYSTEM IMPROVEMENTS
1/14/2020

Item No.	Description	Quantity	Unit	Unit Price	Amount
Allamore Water Well Field					
A. Site					
1	Land Acquisition - 40 ac	1	L.S.	\$80,000.00	\$80,000.00
2	Site Work - Clear & Grub, Excavation & Embankment	1	L.S.	\$250,000.00	\$250,000.00
3	6' High Chain-Link Fencing with 3 Strands Barbed Wire	8500	L.F.	\$45.00	\$382,500.00
4	15' Wide All-Weather Access Road	2000	L.F.	\$85.00	\$170,000.00
5	Electrical Service, 3-phase	4000	L.F.	\$50.00	\$200,000.00
				SubTotal	\$1,082,500.00
B. Water Well					
1	Water Well No. 1 - 500' deep, 8" casing & pump (70 gpm)	1	L.S.	\$375,000.00	\$375,000.00
2	Water Well No. 2 - 500' deep, 8" casing & pump (70 gpm)	1	L.S.	\$375,000.00	\$375,000.00
3	Water Well No. 3 - 500' deep, 8" casing & pump (70 gpm)	1	L.S.	\$375,000.00	\$375,000.00
4	6-inch SDR 26 Well Collection Line	4,000	L.F.	\$37.50	\$150,000.00
5	Water Well Pump Electrical	1	L.S.	\$30,000.00	\$30,000.00
6	SCADA and Controls	1	L.S.	\$150,000.00	\$150,000.00
				SubTotal	\$1,455,000.00
C. BPS					
1	200,000 Gal. Ground Storage Tank incl. Foundation, 38'Dx24'H	1	Each	\$300,000.00	\$300,000.00
2	2-500 gpm Booster Pump Package	1	L.S.	\$100,000.00	\$100,000.00
3	BPS Piping and Valves	1	L.S.	\$15,000.00	\$15,000.00
4	BPS Electrical	1	L.S.	\$85,000.00	\$85,000.00
5	BPS Building incl. Foundation	1	L.S.	\$85,000.00	\$85,000.00
6	SCADA and Controls	1	L.S.	\$75,000.00	\$75,000.00
7	Chlorination System	1	L.S.	\$40,000.00	\$40,000.00
8	8-inch Cla-Val	1	Each	\$35,000.00	\$35,000.00
				SubTotal	\$735,000.00
D. Transmission Line Improvements					
1	8-inch C-900 DR 18 Transmission Line Replacement	5000	L.F.	\$45.00	\$225,000.00
2	Air Relief Valve	1	Each	\$4,000.00	\$4,000.00
3	Flushing Valve	2	Each	\$3,000.00	\$6,000.00
4	Miscellaneous Fittings	4	Tons	\$10,000.00	\$40,000.00
				SubTotal	\$275,000.00
				Total	\$3,547,500.00
				Contingency	\$652,500.00
	TOTAL CONSTRUCTION				\$4,200,000.00
	Surveying				\$50,000.00
	Basic Engineering				\$320,000.00
	Inspection				\$130,000.00
	Environmental				\$50,000.00
	Grant/Loan Compliance				\$50,000.00
	Legal & Issuance				\$150,000.00
	Financing Costs				\$50,000.00
	TOTAL PROJECT COST				\$5,000,000.00

Hudspeth County WC&ID 1 Water System Boundary



Hudspeth County WC&ID No. 1
Allamoore Well Field Project

The Hudspeth County WC&ID No. 1 serves the rural community of Sierra Blanca. Sierra Blanca is a Census Designated Place located on Interstate 10 in Hudspeth County, Texas. Sierra Blanca is an Economically Distressed Border Colonia that has a median household income of \$35,500. The primary employment in the community is with the government (County, School, Border Patrol).

In the 2013-2017 ACS, Sierra Blanca had a population of 641. Sierra Blanca is also the home to a short-term detention facility that is owned by the County. Because these are short term detentions for transfers and processing, the detainees are not counted in Census figures. This facility has a capacity of 500 beds, but due to increased detentions related to Immigration and Customs Enforcement (ICE) cases, the facility has routinely exceeded that number. The facility has approached the Hudspeth County WC&ID to investigate increasing the capacity of their water supply system to accommodate 1,500 beds. With 1,500 beds the population served would be 2,141.

In the 2016 Regional Water Plan the E-53 Strategy is inconsistent with current contractual obligations between the City of Van Horn and the Hudspeth County WC&ID. The Water Strategy assumes an increase of 351 AF/Year, but neither the Hudspeth County WC&ID No. 1 nor City of Van Horn Strategies address where this additional supply will come from. The City of Van Horn can only provide 351 AF/Year to the Hudspeth County WC&ID No. 1. Due to the detention facility increasing their population beyond 500 beds, the Hudspeth County WC&ID No. 1 was recently cited by the TCEQ for insufficient well capacity. An increase in supply is necessary to meet the existing, and future needs of the community.

Since the project in the Regional Water Plan states that additional capacity is needed but does not specify where this capacity is coming from it is incomplete. To fulfill the strategy the District has to drill additional wells and build additional booster pumping capacity along the existing transmission line in addition to the line upgrades mentioned in the plan.

Submittal

I, James Busby, District Consulting Engineer, as the designated authorized representative of the Hudspeth Co WCID # 1, hereby approve and authorize the submission of this project information form to the Texas Water Development Board. I certify that all information contained herein is true and correct to the best of my knowledge. I understand the failure to submit a complete project information form by the stated deadlines may result in the withdrawal of the form without review.

Submitted by James Busby, District Consulting Engineer

Telephone Number (432) 689-8909

Submitted date 2020-01-29 09:21:58.353