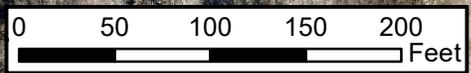




**Legend**

- Demolish
- WWTP Structures
- Property Boundary



**FREESSE & NICHOLS**  
 5805 Main Street, Suite B  
 Frisco, Texas 75034  
 Phone - (972) 624-9201



**City of Wylie Wastewater Treatment Plant**

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**Demolition Option 1**

FN JOB NO	WLE20563
FILE	Fig1_DemoOpt1.mxd
DATE	June 2021
SCALE	1:1,200
DESIGNED	MK
DRAFTED	MK

**1**

**FIGURE**



Innovative approaches  
Practical results  
Outstanding service

## OPINION OF PROBABLE CONSTRUCTION COST

PROJECT NAME	Wylie WWTP Demolition	DATE	6/8/2021
CLIENT	NTMWD	GROUP	1153
% SUBMITTAL	Conceptual	PM	Clayton Barnard

ESTIMATED BY	QC CHECKED BY	FNI PROJECT NUMBER
		WLE20563

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
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Demolition of Wylie WWTP - Option 1					
1	<b>Demolition of Aeration Basin</b>				
2	Remove Existing Mechanical Equipment	1	LS	\$ 15,000.00	\$ 15,000
3	Demo Concrete Structural Walls to 2' Below Grade	6421	SF	\$ 4.00	\$ 25,684
4	Fill Structure with Fill	6485	CY	\$ 25.00	\$ 162,125
5					
6	<b>Demolition of Waste Sludge Holding Basin</b>				
7	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
8	Demo Concrete Structural Walls to 2' Below Grade	571	SF	\$ 7.50	\$ 4,283
9	Fill Structure with Fill	1075	CY	\$ 25.00	\$ 26,875
10					
11	<b>Demolition of Secondary Clarifier</b>				
12	Remove Existing Mechanical Equipment	1	LS	\$ 10,000.00	\$ 10,000
13	Demo Concrete Structural Walls to 2' Below Grade	1885	SF	\$ 7.50	\$ 14,138
14	Fill Structure with Fill	3686	CY	\$ 25.00	\$ 92,150
15					
16	<b>Demolition of Chlorine Contact Chamber/Headworks</b>				
17	Remove Existing Mechanical Equipment	1	LS	\$ 7,500.00	\$ 7,500
18	Demo Concrete Structural Walls to 2' Below Grade	3330	SF	\$ 4.00	\$ 13,320
19	Fill Structure with Fill	592	CY	\$ 25.00	\$ 14,800

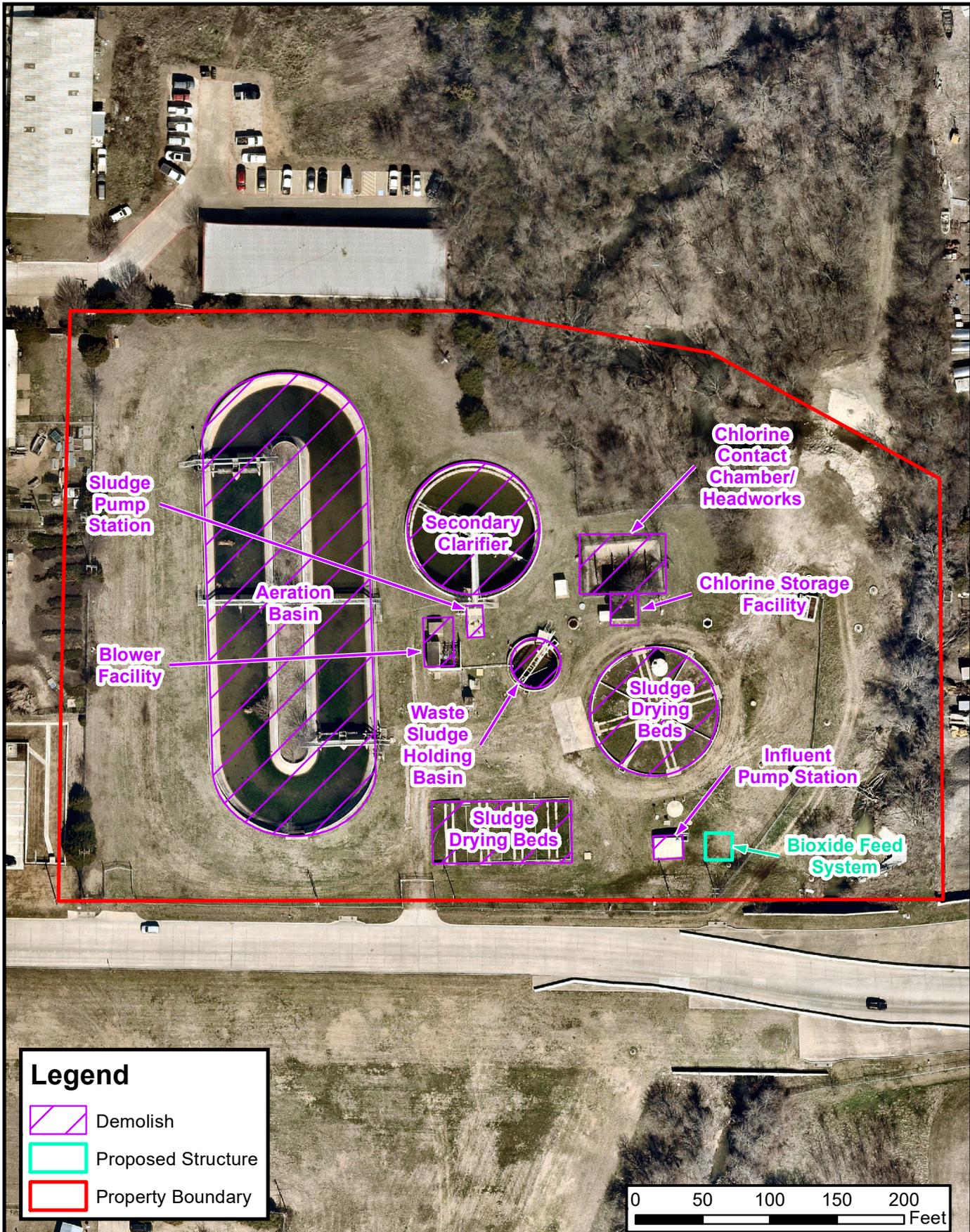
SUBTOTAL		\$	390,874
CONTINGENCY	15%	\$	58,631
SUBTOTAL		\$	449,505
MOBILIZATION	5%	\$	22,475
SUBTOTAL		\$	471,980
OH&P	18%	\$	84,956

<b>PROJECT TOTAL (2021 COSTS)</b>	<b>\$</b>	<b>556,937</b>
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**NOTES:**

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**Legend**

-  Demolish
-  Proposed Structure
-  Property Boundary

**FREESE  
AND  
NICHOLS**  
5805 Main Street, Suite B  
Frisco, Texas 75034  
Phone - (972) 624-9201



**City of Wylie Wastewater Treatment Plant**

**Demolition Option 2**

FN JOB NO	WLE20563
FILE	Fig2_DemoOpt2.mxd
DATE	June 2021
SCALE	1:1,200
DESIGNED	MK
DRAFTED	MK

**2**

**FIGURE**

## OPINION OF PROBABLE CONSTRUCTION COST

PROJECT NAME	Wylie WWTP Demolition	DATE	6/8/2021
CLIENT	NTMWD	GROUP	1153
% SUBMITTAL	Conceptual	PM	Clayton Barnard

ESTIMATED BY	QC CHECKED BY	FNI PROJECT NUMBER
		WLE20563

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
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Demolition of Wylie WWTP - Option 2					
1	<b>Demolition of Aeration Basin</b>				
2	Remove Existing Mechanical Equipment	1	LS	\$ 15,000.00	\$ 15,000
3	Demo Concrete Structural Walls to 2' Below Grade	6421	SF	\$ 4.00	\$ 25,684
4	Fill Structure with Fill	6485	CY	\$ 25.00	\$ 162,125
5					
6	<b>Demolition of Waste Sludge Holding Basin</b>				
7	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
8	Demo Concrete Structural Walls to 2' Below Grade	571	SF	\$ 7.50	\$ 4,283
9	Fill Structure with Fill	1075	CY	\$ 25.00	\$ 26,875
10					
11	<b>Demolition of Secondary Clarifier</b>				
12	Remove Existing Mechanical Equipment	1	LS	\$ 10,000.00	\$ 10,000
13	Demo Concrete Structural Walls to 2' Below Grade	1885	SF	\$ 7.50	\$ 14,138
14	Fill Structure with Fill	3686	CY	\$ 25.00	\$ 92,150
15					
16	<b>Demolition of Chlorine Contact Chamber/Headworks</b>				
17	Remove Existing Mechanical Equipment	1	LS	\$ 7,500.00	\$ 7,500
18	Demo Concrete Structural Walls to 2' Below Grade	3330	SF	\$ 4.00	\$ 13,320
19	Fill Structure with Fill	592	CY	\$ 25.00	\$ 14,800
20					
21	<b>Demolition of Sludge Drying Beds</b>				
22	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
23	Demo Concrete Structural Walls to 2' Below Grade	11687	SF	\$ 4.00	\$ 46,748
24	Fill Structure with Fill	1200	CY	\$ 25.00	\$ 30,000
25					
26	<b>Demolition of Sludge Pump Station</b>				
27	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
28	Demo Concrete Structural Walls to 2' Below Grade	680	SF	\$ 7.50	\$ 5,100
29	Fill Structure with Fill	151	CY	\$ 25.00	\$ 3,775
30					
31	<b>Demolition of Influent Pump Station</b>				
32	Remove Existing Mechanical Equipment	1	LS	\$ 10,000.00	\$ 10,000
33	Demo Concrete Structural Walls to 2' Below Grade	84	SF	\$ 7.50	\$ 630
34	Fill Structure with Fill	64	CY	\$ 25.00	\$ 1,600
35					
36	<b>Demolition of Blower Facility</b>				
37	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
38	Demo Structure	480	SF	\$ 7.50	\$ 3,600
39	Demo Slab	480	SF	\$ 7.50	\$ 3,600
40					
41	<b>Demolition of Chlorine Storage Facility</b>				

PROJECT NAME	Wylie WWTP Demolition	DATE	6/8/2021
CLIENT	NTMWD	GROUP	1153
% SUBMITTAL	Conceptual	PM	Clayton Barnard

ESTIMATED BY	QC CHECKED BY	FNI PROJECT NUMBER
		WLE20563

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
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42	Remove Existing Mechanical Equipment	1	LS	\$ 1,500.00	\$ 1,500
43	Demo Structure	288	SF	\$ 7.50	\$ 2,160
44	Demo Slab	288	SF	\$ 7.50	\$ 2,160
45					
46	<b>Bioxide Feed Chemical Containment</b>				
47	Fiberglass Containment w/ Concrete Slab	400	SF	\$ 25.00	\$ 10,000
48	Chemical Injection Assembly	1	LS	\$ 65,000.00	\$ 65,000
49	Electrical Power Service	1	LS	\$ 25,000.00	\$ 25,000

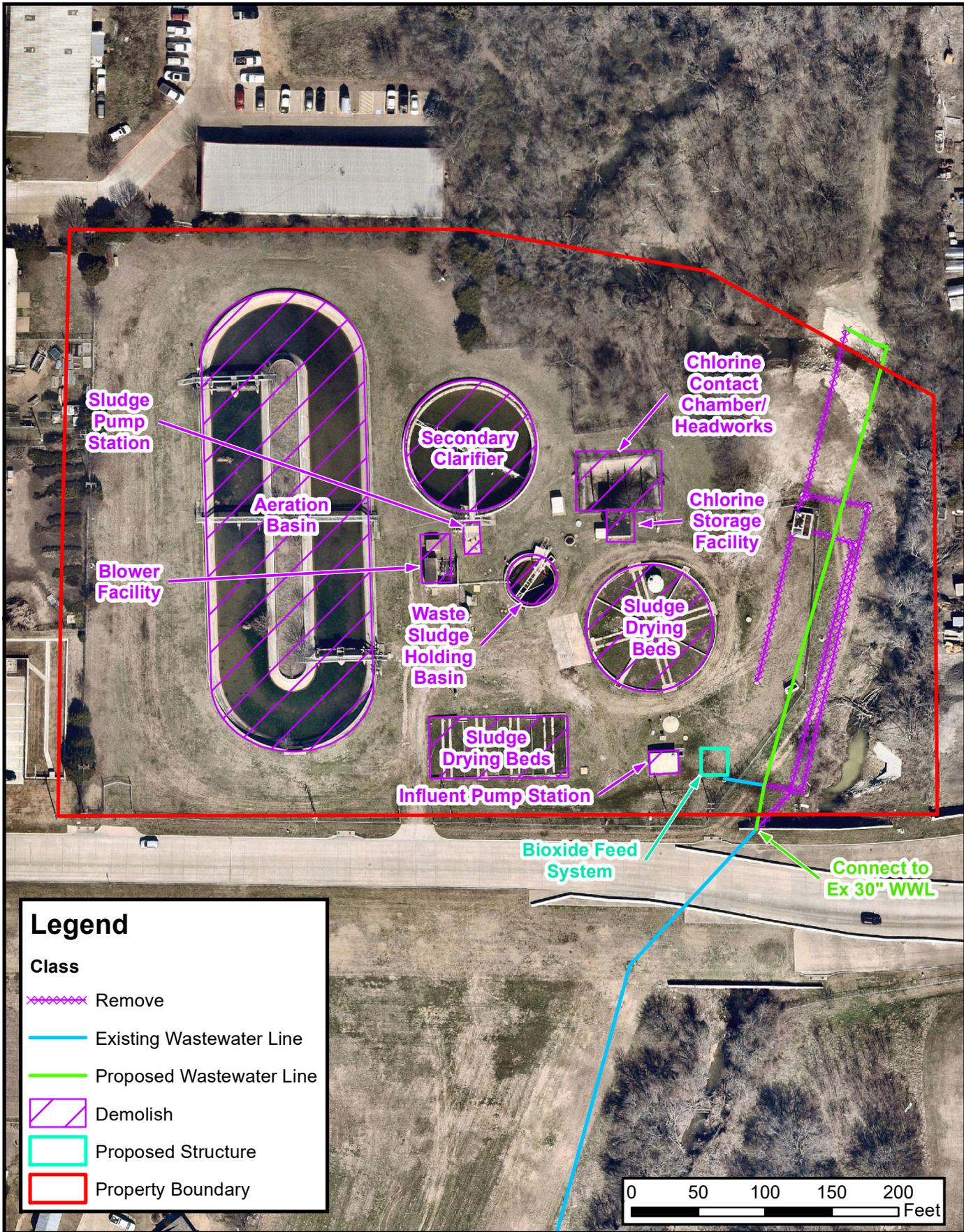
SUBTOTAL		\$ 616,747
CONTINGENCY	15%	\$ 92,512
SUBTOTAL		\$ 709,259
MOBILIZATION	5%	\$ 35,463
SUBTOTAL		\$ 744,722
OH&P	18%	\$ 134,050

<b>PROJECT TOTAL (2021 COSTS)</b>	<b>\$ 878,772</b>
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Legend	
Class	
	Remove
	Existing Wastewater Line
	Proposed Wastewater Line
	Demolish
	Proposed Structure
	Property Boundary

**FREESSE AND NICHOLS**  
 5805 Main Street, Suite B  
 Frisco, Texas 75034  
 Phone - (972) 624-9201



**City of Wylie Wastewater Treatment Plant**

**Demolition Option 3**

FN JOB NO	WLE20563
FILE	Fig3_DemoOpt3.mxd
DATE	June 2021
SCALE	1:1,200
DESIGNED	MK
DRAFTED	MK

**3**  
**FIGURE**



Innovative approaches  
Practical results  
Outstanding service

## OPINION OF PROBABLE CONSTRUCTION COST

PROJECT NAME	Wylie WWTP Demolition	DATE	6/8/2021
CLIENT	NTMWD	GROUP	1153
% SUBMITTAL	Conceptual	PM	Clayton Barnard

ESTIMATED BY	QC CHECKED BY	FNI PROJECT NUMBER
		WLE20563

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
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Demolition of Wylie WWTP - Option 3					
1	<b>Demolition of Aeration Basin</b>				
2	Remove Existing Mechanical Equipment	1	LS	\$ 15,000.00	\$ 15,000
3	Demo Concrete Structural Walls to 2' Below Grade	6421	SF	\$ 4.00	\$ 25,684
4	Fill Structure with Fill	6485	CY	\$ 25.00	\$ 162,125
5					
6	<b>Demolition of Waste Sludge Holding Basin</b>				
7	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
8	Demo Concrete Structural Walls to 2' Below Grade	571	SF	\$ 7.50	\$ 4,283
9	Fill Structure with Fill	1075	CY	\$ 25.00	\$ 26,875
10					
11	<b>Demolition of Secondary Clarifier</b>				
12	Remove Existing Mechanical Equipment	1	LS	\$ 10,000.00	\$ 10,000
13	Demo Concrete Structural Walls to 2' Below Grade	1885	SF	\$ 7.50	\$ 14,138
14	Fill Structure with Fill	3686	CY	\$ 25.00	\$ 92,150
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16	<b>Demolition of Chlorine Contact Chamber/Headworks</b>				
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19	Fill Structure with Fill	592	CY	\$ 25.00	\$ 14,800
20					
21	<b>Demolition of Sludge Drying Beds</b>				
22	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
23	Demo Concrete Structural Walls to 2' Below Grade	11687	SF	\$ 4.00	\$ 46,748
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26	<b>Demolition of Sludge Pump Station</b>				
27	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
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31	<b>Demolition of Influent Pump Station</b>				
32	Remove Existing Mechanical Equipment	1	LS	\$ 10,000.00	\$ 10,000
33	Demo Concrete Structural Walls to 2' Below Grade	84	SF	\$ 7.50	\$ 630
34	Fill Structure with Fill	64	CY	\$ 25.00	\$ 1,600
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36	<b>Demolition of Blower Facility</b>				
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39	Demo Slab	480	SF	\$ 7.50	\$ 3,600
40					
41	<b>Demolition of Chlorine Storage Facility</b>				

PROJECT NAME	Wylie WWTP Demolition	DATE	6/8/2021
CLIENT	NTMWD	GROUP	1153
% SUBMITTAL	Conceptual	PM	Clayton Barnard

ESTIMATED BY	QC CHECKED BY	FNI PROJECT NUMBER
		WLE20563

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
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43	Demo Structure	288	SF	\$ 7.50	\$ 2,160
44	Demo Slab	288	SF	\$ 7.50	\$ 2,160
45					
46	<b>Bioxide Feed Chemical Containment</b>				
47	Fiberglass Containment w/ Concrete Slab	400	SF	\$ 25.00	\$ 10,000
48	Chemical Injection Assembly	1	LS	\$ 65,000.00	\$ 65,000
49	Electrical Power Service	1	LS	\$ 25,000.00	\$ 25,000
50					
51	<b>Muddy Creek Interceptor Relocation</b>				
52	Remove Existing Manholes	4	EA	\$ 1,500.00	\$ 6,000
53	Remove Existing Interceptor Lines	791	LF	\$ 10.00	\$ 7,910
54	30-Inch Interceptor	430	LF	\$ 250.00	\$ 107,500
55	5-Foot Diameter Manhole	4	EA	\$ 30,000.00	\$ 120,000

SUBTOTAL	\$	858,157
CONTINGENCY	15%	\$ 128,724
SUBTOTAL	\$	986,881
MOBILIZATION	5%	\$ 49,344
SUBTOTAL	\$	1,036,225
OH&P	18%	\$ 186,520

<b>PROJECT TOTAL (2021 COSTS)</b>	<b>\$</b>	<b>1,222,745</b>
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