



Innovative approaches
Practical results
Outstanding service

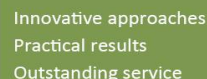
Wylie WWTP Demolition OPCC Options

DEMO OPTIONS		OPCC
1	Demolition of Aeration Basin	\$ 543,144
2	Demo All Structures (2' below ground)	\$ 864,979
2A	Additional Cost for Full Removal	\$ 329,918
3	Demo All Structures (2' below ground) and WW Interceptor	\$ 1,208,952
4	Demo All Structures (2' below ground) and WW Interceptor/Decel Lane	\$ 1,355,363
5	Demo All Structures (2' below ground) and WW Interceptor/Access Drive	\$ 1,392,487
Demolition of Wylie WWTP		

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OPINION OF PROBABLE CONSTRUCTION COST

PROJECT NAME	Wylie WWTP Demolition	DATE	9/8/2021
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 Demo Containment Structures

Demolition of Wye WWTP - Option 1 Demo Containment Structures					
	Demolition of Aeration Basin				
1	Remove Existing Mechanical Equipment	1	LS	\$ 15,000.00	\$ 15,000
2	Demo Concrete Structural Walls to 2' Below Grade	6531	SF	\$ 4.00	\$ 26,124
3	Fill Structure with Fill	6485	CY	\$ 25.00	\$ 162,125
	Demolition of Waste Sludge Holding Basin				
4	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
5	Demo Concrete Structural Walls to 2' Below Grade	571	SF	\$ 7.50	\$ 4,283
6	Fill Structure with Fill	1075	CY	\$ 25.00	\$ 26,875
	Demolition of Secondary Clarifier				
7	Remove Existing Mechanical Equipment	1	LS	\$ 10,000.00	\$ 10,000
8	Demo Concrete Structural Walls to 2' Below Grade	1885	SF	\$ 7.50	\$ 14,138
9	Fill Structure with Fill	3686	CY	\$ 25.00	\$ 92,150
	Demolition of Chlorine Contact Chamber/Headworks				
10	Remove Existing Mechanical Equipment	1	LS	\$ 7,500.00	\$ 7,500
11	Demo Concrete Structural Walls to 2' Below Grade	800	SF	\$ 4.00	\$ 3,200
12	Fill Structure with Fill	592	CY	\$ 25.00	\$ 14,800

SUBTOTAL		\$	381,194
CONTINGENCY	15%	\$	57,179
SUBTOTAL		\$	438,373
MOBILIZATION	5%	\$	21,919
SUBTOTAL		\$	460,292
OH&P	18%	\$	82,853

PROJECT TOTAL (2021 COSTS)	\$ 543,144
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% SUBMITTAL	Conceptual	PM	Clayton Barnard

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ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
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Demolition of Wylie WWTP - Option 2 (2' Below Ground)					
Demolition of Aeration Basin					
1	Remove Existing Mechanical Equipment	1	LS	\$ 15,000.00	\$ 15,000
2	Demo Concrete Structural Walls to 2' Below Grade	6531	SF	\$ 4.00	\$ 26,124
3	Fill Structure with Fill	6485	CY	\$ 25.00	\$ 162,125
Demolition of Waste Sludge Holding Basin					
4	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
5	Demo Concrete Structural Walls to 2' Below Grade	571	SF	\$ 7.50	\$ 4,283
6	Fill Structure with Fill	1075	CY	\$ 25.00	\$ 26,875
Demolition of Secondary Clarifier					
7	Remove Existing Mechanical Equipment	1	LS	\$ 10,000.00	\$ 10,000
8	Demo Concrete Structural Walls to 2' Below Grade	1885	SF	\$ 7.50	\$ 14,138
9	Fill Structure with Fill	3686	CY	\$ 25.00	\$ 92,150
Demolition of Chlorine Contact Chamber/Headworks					
10	Remove Existing Mechanical Equipment	1	LS	\$ 7,500.00	\$ 7,500
11	Demo Concrete Structural Walls to 2' Below Grade	800	SF	\$ 4.00	\$ 3,200
12	Fill Structure with Fill	592	CY	\$ 25.00	\$ 14,800
Demolition of Sludge Drying Beds					
13	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
14	Demo Concrete Structural Walls to 2' Below Grade	11687	SF	\$ 4.00	\$ 46,748
15	Fill Structure with Fill	1200	CY	\$ 25.00	\$ 30,000
Demolition of Sludge Pump Station					
16	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
17	Demo Concrete Structural Walls to 2' Below Grade	680	SF	\$ 7.50	\$ 5,100
18	Fill Structure with Fill	151	CY	\$ 25.00	\$ 3,775
Demolition of Influent Pump Station					
19	Remove Existing Mechanical Equipment	1	LS	\$ 10,000.00	\$ 10,000
20	Demo Concrete Structural Walls to 2' Below Grade	84	SF	\$ 7.50	\$ 630
21	Fill Structure with Fill	64	CY	\$ 25.00	\$ 1,600
Demolition of Blower Facility					
22	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
23	Demo Structure	480	SF	\$ 7.50	\$ 3,600
24	Demo Slab	480	SF	\$ 7.50	\$ 3,600

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ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
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	Demolition of Chlorine Storage Facility				
25	Remove Existing Mechanical Equipment	1	LS	\$ 1,500.00	\$ 1,500
26	Demo Structure	288	SF	\$ 7.50	\$ 2,160
27	Demo Slab	288	SF	\$ 7.50	\$ 2,160
	Bioxide Feed Chemical Containment				
28	Fiberglass Containment w/ Concrete Slab	400	SF	\$ 25.00	\$ 10,000
29	Chemical Injection Assembly	1	LS	\$ 65,000.00	\$ 65,000
30	Electrical Power Service	1	LS	\$ 25,000.00	\$ 25,000

SUBTOTAL	\$	607,067
CONTINGENCY 15%	\$	91,060
SUBTOTAL	\$	698,127
MOBILIZATION 5%	\$	34,906
SUBTOTAL	\$	733,033
OH&P 18%	\$	131,946

PROJECT TOTAL (2021 COSTS)	\$	864,979
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CLIENT	NTMWD	GROUP	1153
% SUBMITTAL	Conceptual	PM	Clayton Barnard

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ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
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Demolition of Wylie WWTP - Option 2A Cost for Full Removal

	Demolition of Aeration Basin				
1	Demo Remaining Concrete Structural Walls	3294	SF	\$ 4.00	\$ 13,176
2	Fill Structure with Fill	366	CY	\$ 25.00	\$ 9,150
	Demolition of Waste Sludge Holding Basin				
2	Demo Remaining Concrete Structural Walls	4587	SF	\$ 7.50	\$ 34,403
3	Fill Structure with Fill	510	CY	\$ 25.00	\$ 12,750
	Demolition of Secondary Clarifier				
3	Demo Remaining Concrete Structural Walls	11207	SF	\$ 7.50	\$ 84,053
4	Fill Structure with Fill	1246	CY	\$ 25.00	\$ 31,150
	Demolition of Chlorine Contact Chamber/Headworks				
4	Demo Remaining Concrete Structural Walls	4630	SF	\$ 4.00	\$ 18,520
5	Fill Structure with Fill	514	CY	\$ 25.00	\$ 12,850
	Demolition of Sludge Drying Beds				
5	Demo Remaining Concrete Structural Walls	0	SF	\$ 4.00	\$ -
6	Fill Structure with Fill	0	CY	\$ 25.00	\$ -
	Demolition of Sludge Pump Station				
6	Demo Remaining Concrete Structural Walls	877	SF	\$ 7.50	\$ 6,578
7	Fill Structure with Fill	98	CY	\$ 25.00	\$ 2,450
	Demolition of Influent Pump Station				
7	Demo Remaining Concrete Structural Walls	629	SF	\$ 7.50	\$ 4,718
8	Fill Structure with Fill	70	CY	\$ 25.00	\$ 1,750
SUBTOTAL					\$ 231,546
CONTINGENCY 15%					\$ 34,732
SUBTOTAL					\$ 266,278
MOBILIZATION 5%					\$ 13,314
SUBTOTAL					\$ 279,592
OH&P 18%					\$ 50,327

PROJECT TOTAL (2021 COSTS)	\$ 329,918
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ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
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Demolition of Wylie WWTP - Option 3					
Demolition of Aeration Basin					
1	Remove Existing Mechanical Equipment	1	LS	\$ 15,000.00	\$ 15,000
2	Demo Concrete Structural Walls to 2' Below Grade	6531	SF	\$ 4.00	\$ 26,124
3	Fill Structure with Fill	6485	CY	\$ 25.00	\$ 162,125
Demolition of Waste Sludge Holding Basin					
4	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
5	Demo Concrete Structural Walls to 2' Below Grade	571	SF	\$ 7.50	\$ 4,283
6	Fill Structure with Fill	1075	CY	\$ 25.00	\$ 26,875
Demolition of Secondary Clarifier					
7	Remove Existing Mechanical Equipment	1	LS	\$ 10,000.00	\$ 10,000
8	Demo Concrete Structural Walls to 2' Below Grade	1885	SF	\$ 7.50	\$ 14,138
9	Fill Structure with Fill	3686	CY	\$ 25.00	\$ 92,150
Demolition of Chlorine Contact Chamber/Headworks					
10	Remove Existing Mechanical Equipment	1	LS	\$ 7,500.00	\$ 7,500
11	Demo Concrete Structural Walls to 2' Below Grade	800	SF	\$ 4.00	\$ 3,200
12	Fill Structure with Fill	592	CY	\$ 25.00	\$ 14,800
Demolition of Sludge Drying Beds					
13	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
14	Demo Concrete Structural Walls to 2' Below Grade	11687	SF	\$ 4.00	\$ 46,748
15	Fill Structure with Fill	1200	CY	\$ 25.00	\$ 30,000
Demolition of Sludge Pump Station					
16	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
17	Demo Concrete Structural Walls to 2' Below Grade	680	SF	\$ 7.50	\$ 5,100
18	Fill Structure with Fill	151	CY	\$ 25.00	\$ 3,775
Demolition of Influent Pump Station					
19	Remove Existing Mechanical Equipment	1	LS	\$ 10,000.00	\$ 10,000
20	Demo Concrete Structural Walls to 2' Below Grade	84	SF	\$ 7.50	\$ 630
21	Fill Structure with Fill	64	CY	\$ 25.00	\$ 1,600
Demolition of Blower Facility					
22	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
23	Demo Structure	480	SF	\$ 7.50	\$ 3,600
24	Demo Slab	480	SF	\$ 7.50	\$ 3,600
Demolition of Chlorine Storage Facility					

25	Remove Existing Mechanical Equipment	1	LS	\$ 1,500.00	\$ 1,500
26	Demo Structure	288	SF	\$ 7.50	\$ 2,160
27	Demo Slab	288	SF	\$ 7.50	\$ 2,160
	Bioxide Feed Chemical Containment				
28	Fiberglass Containment w/ Concrete Slab	400	SF	\$ 25.00	\$ 10,000
29	Chemical Injection Assembly	1	LS	\$ 65,000.00	\$ 65,000
30	Electrical Power Service	1	LS	\$ 25,000.00	\$ 25,000
	Muddy Creek Interceptor Relocation				
31	Remove Existing Manholes	4	EA	\$ 1,500.00	\$ 6,000
32	Remove Existing Interceptor Lines	791	LF	\$ 10.00	\$ 7,910
33	30-Inch Interceptor	430	LF	\$ 250.00	\$ 107,500
34	5-Foot Diameter Manhole	4	EA	\$ 30,000.00	\$ 120,000
				SUBTOTAL	\$ 848,477
				CONTINGENCY 15%	\$ 127,272
				SUBTOTAL	\$ 975,749
				MOBILIZATION 5%	\$ 48,787
				SUBTOTAL	\$ 1,024,536
				OH&P 18%	\$ 184,416

PROJECT TOTAL (2021 COSTS)	\$ 1,208,952
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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 4

	Demolition of Aeration Basin				
1	Remove Existing Mechanical Equipment	1	LS	\$ 15,000.00	\$ 15,000
2	Demo Concrete Structural Walls to 2' Below Grade	6421	SF	\$ 4.00	\$ 25,684
3	Fill Structure with Fill	6485	CY	\$ 25.00	\$ 162,125
	Demolition of Waste Sludge Holding Basin				
4	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
5	Demo Concrete Structural Walls to 2' Below Grade	571	SF	\$ 7.50	\$ 4,283
6	Fill Structure with Fill	1075	CY	\$ 25.00	\$ 26,875
	Demolition of Secondary Clarifier				
7	Remove Existing Mechanical Equipment	1	LS	\$ 10,000.00	\$ 10,000
8	Demo Concrete Structural Walls to 2' Below Grade	1885	SF	\$ 7.50	\$ 14,138
9	Fill Structure with Fill	3686	CY	\$ 25.00	\$ 92,150
	Demolition of Chlorine Contact Chamber/Headworks				
10	Remove Existing Mechanical Equipment	1	LS	\$ 7,500.00	\$ 7,500
11	Demo Concrete Structural Walls to 2' Below Grade	800	SF	\$ 4.00	\$ 3,200
12	Fill Structure with Fill	592	CY	\$ 25.00	\$ 14,800
	Demolition of Sludge Drying Beds				
13	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
14	Demo Concrete Structural Walls to 2' Below Grade	11687	SF	\$ 4.00	\$ 46,748
15	Fill Structure with Fill	1200	CY	\$ 25.00	\$ 30,000
	Demolition of Sludge Pump Station				
16	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
17	Demo Concrete Structural Walls to 2' Below Grade	680	SF	\$ 7.50	\$ 5,100
18	Fill Structure with Fill	151	CY	\$ 25.00	\$ 3,775
	Demolition of Influent Pump Station				
19	Remove Existing Mechanical Equipment	1	LS	\$ 10,000.00	\$ 10,000
20	Demo Concrete Structural Walls to 2' Below Grade	84	SF	\$ 7.50	\$ 630
21	Fill Structure with Fill	64	CY	\$ 25.00	\$ 1,600
	Demolition of Blower Facility				
22	Remove Existing Mechanical Equipment	1	LS	\$ 5,000.00	\$ 5,000
23	Demo Structure	480	SF	\$ 7.50	\$ 3,600
24	Demo Slab	480	SF	\$ 7.50	\$ 3,600
	Demolition of Chlorine Storage Facility				
25	Remove Existing Mechanical Equipment	1	LS	\$ 1,500.00	\$ 1,500

PROJECT TOTAL (2021 COSTS)	\$ 1,355,363
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Demolition of Wylie WWTP - Option 5					
1	Demolition of Aeration Basin				
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	Demolition of Waste Sludge Holding Basin				
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	Demolition of Secondary Clarifier				
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	Demolition of Chlorine Contact Chamber/Headworks				
17	Remove Existing Mechanical Equipment	1	LS	\$ 7,500.00	\$ 7,500
18	Demo Concrete Structural Walls to 2' Below Grade	800	SF	\$ 4.00	\$ 3,200
19	Fill Structure with Fill	592	CY	\$ 25.00	\$ 14,800
20					
21	Demolition of Sludge Drying Beds				
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	Demolition of Sludge Pump Station				
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	Demolition of Influent Pump Station				
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	Demolition of Blower Facility				
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	Demolition of Chlorine Storage Facility				
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	Bioxide Feed Chemical Containment				
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	Muddy Creek Interceptor Relocation				
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
56	ALKAGEN FILL STATION				
57	Fill Station and Control Panel Pad	1	LS	\$ 10,500.00	\$ 10,500
58	PAVING				
59	Concrete Pavement	1250	SY	\$ 95.00	\$ 118,750
SUBTOTAL				\$	977,287
CONTINGENCY				15%	\$ 146,593
SUBTOTAL				\$	1,123,880
MOBILIZATION				5%	\$ 56,194
SUBTOTAL				\$	1,180,074
OH&P				18%	\$ 212,413

PROJECT TOTAL (2021 COSTS)	\$ 1,392,487
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