

**FAC 8321 SEWER AND INDUSTRIAL WASTE LINE**

FY22 SUC:     \$0.88   LF

Source:        Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 8321 SEWER AND INDUSTRIAL WASTE LINE

SUC \$0.88

Release 2021 Qtr 3

UM LF

Zip Code Prefix 222

Design Life 60

Type MR

Average Size 10000.0

Adjusted Occurences are the occurrences remaining after subtracting Repair/Replacement Overlaps. Overlap reduction removes a repair when it occurs the same year as a replacement.

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
Unclog main drain pipe & fittings, cast iron	10	2.00 Ea.	\$92.33	\$115.47	6.0000	6	6	\$692.84	\$692.84
Replace pipe & fittings, cast iron, 4"	40	16.00 L.F.	\$1,071.15	\$1,285.72	1.5000	1	1	\$1,285.72	\$1,285.72
Unclog 4" - 12" diameter main drain per L.F.	10	2.00 L.F.	\$7.58	\$9.48	6.0000	6	6	\$56.89	\$56.89
Insp/chk pump/mtr oper, lub, chk align, rainwater sump pump	1	2.00 Ea.	\$23.90	\$29.89	60.0000	60	60	\$1,793.22	\$1,793.22
Replace rainwater sump pump / motor assembly	20	2.00 Ea.	\$1,264.86	\$1,494.18	3.0000	3	3	\$4,482.54	\$4,482.54
Repack gate valve gland, 2" - 3" valves	10	2.00 Ea.	\$74.08	\$88.62	6.0000	6	6	\$531.71	\$531.71
Replace gate valve, partial, 2" - 3" valves	20	2.00 Ea.	\$2,614.93	\$3,003.44	3.0000	3	3	\$9,010.33	\$9,010.33
Repack gate valve gland, 8" - 12" valves	5	4.00 Ea.	\$680.57	\$826.99	12.0000	12	12	\$9,923.82	\$9,923.82
Maintenance and repair voice/data outlet	10	1.00 Ea.	\$51.29	\$64.06	6.0000	6	6	\$384.35	\$384.35
Remove and replace 50 HP pump motor	25	2.00 Ea.	\$13,194.09	\$15,098.50	2.4000	2	2	\$30,197.00	\$30,197.00
Raise MH or catch basin frame and cover	10	1.00 Ea.	\$369.42	\$451.23	6.0000	6	6	\$2,707.39	\$2,707.39
Replace service cable overhead service, splice	30	0.20 M.L.F.	\$480.63	\$583.89	2.0000	2	2	\$1,167.77	\$1,167.77
Replace pipe, 8" pipe and fittings, PVC	30	1,000.00 L.F.	\$121,951.22	\$148,955.77	2.0000	2	2	\$297,911.53	\$297,911.53
								MR Subtotal	\$360,145.14
								MR Per Year	\$6,002.42
								PM Total	\$2,752.58
								Subtotal	\$8,755.00
								Total Per Unit	\$0.88

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Release 2021 Qtr 3 UM LF  
Zip Code Prefix 222 Design Life 60  
Type PM Average Size 10000.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Manual slide gate, annualized	1.00	1.52	\$11.25	\$73.52	\$0.00	\$84.77	\$107.95	\$131.70
Vertical lift, over 1 H.P., annualized	2.00	2.91	\$105.84	\$141.10	\$0.00	\$246.94	\$299.85	\$358.06
Sewage lift, over 1 H.P., annualized	2.00	2.91	\$73.50	\$141.10	\$0.00	\$214.60	\$264.28	\$317.63
Duplex sump, annualized	10.00	16.54	\$232.53	\$832.55	\$0.00	\$1,065.08	\$1,338.09	\$1,622.73
Valve, sediment strainer, above 4", annualized	10.00	3.13	\$56.11	\$157.70	\$0.00	\$213.81	\$266.73	\$322.46
						\$1,825.20	\$2,276.91	\$2,752.58



# **FAC 8321 SEWER AND INDUSTRIAL WASTE LINE**

## **Modeled Component List CostWorks Release 2021 Qtr 3**

D20 Plumbing	
Rainwater Sump Pump	2.0 Ea.
D30 HVAC	
Valves	2.0 Ea.
G20 Site Improvements	
Gate, Manual slide, annualized	1.0 Each
G30 Site Mechanical Utilities	
Vertical Lift, annualized	2.0 Each
Sewage Lift, annualized	2.0 Each

FAC 8321 SEWER AND INDUSTRIAL WASTE LINE  
Sustainment by Year  
CostWorks Release 2021 Qtr 3

