

Facility Repair Proposal

Region: 4A

Fac ID: PA118

Date: 1/26/23

CSS # 91509

Maximo Work Order No.: 11803

Asset ID: NA

Original Work Request:

Repair sewer line pipe as it may be a collapsed or damaged pipe. The 3-inch sewer line was camera up to 155 feet and it was discovered the camera stopped and would not go any further in the pipe. Dig a hole in the area where the camera was stopped by something. See attached drawing to show approx. location. The sewer line pipe is approx. 3 feet below grade. After hole is dug out and it is discovered the pipe is damaged then the damaged pipe removed, and a camera will be used to look at the pipe 155 feet above the broken pipe and the pipe will be camera again below the pipe to the sewage lift station. The pipe will be repaired, and stone will be used below and above the newly repaired pipe. The sewage pipe will be checked for proper operation and if it works then the hole will be filled in along with the hole located next to the sewage lift station vault along with the small hole repaired that was opened in the vault. See attached picture for location of possible pipe collapse and where to dig hole.

Description of Repairs Needed:

Labor approximately (52) hours and material to a.) Dig 160' from the vault to locate pipe. The 160' was determined by the last visit. The tech could not push past the 160' mark and his camera went dark so there was no visibility at that point. b.) If no break is found, cut into pipe and camera both ways to confirm there's no collapsed pipe. c.) If and once break is found then we can determine what is needed to make repairs (this quote does not include unknown repairs) d.) If no break is found then there is a crack somewhere in the pipe and causing the sewer to leak. e.) If the issue is a crack then we recommend lining the pipe to correct the issue since a crack can't be located with a camera. f.) The area to be excavated will be big enough to locate pipe for camera. Please note: If the break is at the spot we are digging at then the repair can be made then. But if the break is at a different location, then we will need to submit an additional quote for the repairs.

Parts List:

Misc Pipe Fittings

Backfill Gravel

Equipment List:

Mini Excavator

Line Locator with Camera

Pipe Jetter

PM History:

NA

Cost Proposal:

See attached RS Means Estimate.

Total Cost: \$11098.58

Estimate Name: CSS 91509 - WO 11803 - PA118 Investigate-Repair Sewer Line

ESTIMATE INFORMATION

Client Name: 99th
Estimate Address: 6467 Mikewood Blvd, Conneaut Lake, PA, 16316-6661

Type: Unit
Measurement System: US Standard

Notes: This work is to investigate the sewer line issues with the intent to do the necessary repairs; however, based on what is determined during the investigation and repairs, additional work may be required beyond the scope and cost provided here.

COST DATA

Estimate Summary:

Material	Labor	Equipment	Total*
\$ 281.47	\$ 4,817.88	\$ 2,814.02	\$ 8,258.69
Total O&P	\$ 308.98	\$ 7,314.89	\$ 3,095.03
			\$ 11,098.58

Total column values include the cost of Exception lines that may not be included in the Material, Labor and Equipment totals.

Catalog: Facilities and Commercial Renovation
Format: MasterFormat 2018
Release: Year 2023 Quarter 1
Labor Type: Repair & Remodeling
City Cost Index: PENNSYLVANIA / OIL CITY (163)

LEGEND

Line Source: U - User defined line item
A - Adjustment/Modifier
E - Exception lines

ESTIMATE

Quantity	LineNumber	Line Source	SubContracted Ind.	Description	Crew	Daily Output	Labor Hours	Unit	Material	Labor	Equipment	Total	Ext. Mat.	Ext. Labor	Ext. Equip.	Ext. Total	Mat. O&P	Labor O&P	Equip. O&P	Total O&P	Ext. Mat. O&P	Ext. Labor O&P	Ext. Equip. O&P	Ext. Total O&P	Labor Type	Notes
2.00	013113200160	U		Field personnel, general purpose laborer, average		0	0	Week	\$ -	\$ 1,698.60	\$ -	\$ 1,698.60	\$ -	\$ 3,397.20	\$ -	\$ 3,397.20	\$ -	\$ 2,682.00	\$ -	\$ 2,682.00	\$ -	\$ 5,364.00	\$ -	\$ 5,364.00	USER	Labor included for operating excavator, excavation work, trench work to investigate line, backfill excavation. Labor included to support trench work, safety oversight
2.00	015433200100			Rent excavator diesel hydraulic crawler mounted 1/2 CY capacity, Incl. Hourly Oper. Cost.		0	0	Day	\$ -	\$ 1,150.79	\$ 1,150.79	\$ -	\$ -	\$ 2,301.58	\$ 2,301.58	\$ -	\$ -	\$ 1,265.87	\$ 1,265.87	\$ -	\$ -	\$ 2,531.74	\$ 2,531.74	RR		
0.10	015433405470			Trailer Mounted High Pressure Water Jet 10,000 PSI/44 GPM, Diesel powered, Incl. Hourly Oper. Cost.		0	0	Day	\$ -	\$ 1,108.43	\$ 1,108.43	\$ -	\$ -	\$ 110.84	\$ 110.84	\$ -	\$ -	\$ 1,219.27	\$ 1,219.27	\$ -	\$ -	\$ 121.93	\$ 121.93	RR		
4.00	015436501300	U		Mobilization or demobilization, delivery charge for equipment, hauled on 3-ton capacity towed trailer	A3Q	0	0	Ea.	\$ -	\$ 160.03	\$ 99.49	\$ 259.52	\$ -	\$ 640.12	\$ 397.96	\$ 1,038.08	\$ -	\$ 249.43	\$ 109.34	\$ 358.77	\$ -	\$ 997.72	\$ 437.36	\$ 1,435.08	USER	Mob and demob of excavator Mob and demob of trench box
2.00	312323160050			Fill by borrow and utility bedding, for pipe and conduit, crushed or screened bank run gravel, excludes compaction	B6	150	0.16	L.C.Y.	\$ 38.83	\$ 7.86	\$ 1.82	\$ 48.51	\$ 77.66	\$ 15.72	\$ 3.64	\$ 97.02	\$ 42.60	\$ 12.42	\$ 2.00	\$ 57.02	\$ 85.20	\$ 24.84	\$ 4.00	\$ 114.04	RR	
2.00	315216104500	E		Cofferdam alternate trench box, 7' deep, 16' x 8', see Equipment Rental Costs Reference Section		0	0	Day	\$ -	\$ -	\$ -	\$ 172.66	\$ -	\$ -	\$ -	\$ 345.32	\$ -	\$ -	\$ -	\$ 189.84	\$ -	\$ -	\$ -	\$ 379.68	RR	
1.00	330130119060	E		Pipe, internal cleaning and inspection, television camera with video, up to 500 linear feet		0	0	Total	\$ -	\$ 646.36	\$ -	\$ 646.36	\$ -	\$ 646.36	\$ -	\$ 646.36	\$ -	\$ 741.28	\$ -	\$ 741.28	\$ -	\$ 741.28	\$ -	\$ 741.28	RR	
1.00	333111253040			Public sanitary utility sewerage piping, piping polyvinyl chloride pipe, fittings, bends or elbows, 4" diameter, SDR 35, excludes excavation or backfill	2 Skwk	24	0.667	Ea.	\$ 14.86	\$ 34.81	\$ -	\$ 49.67	\$ 14.86	\$ 34.81	\$ -	\$ 49.67	\$ 16.33	\$ 54.76	\$ -	\$ 71.09	\$ 16.33	\$ 54.76	\$ -	\$ 71.09	RR	
1.00	333111253200			Public sanitary utility sewerage piping, piping polyvinyl chloride, 4" diameter, SDR 35	2 Skwk	16	1	Ea.	\$ 49.25	\$ 52.21	\$ -	\$ 101.46	\$ 49.25	\$ 52.21	\$ -	\$ 101.46	\$ 54.00	\$ 82.35	\$ -	\$ 136.35	\$ 54.00	\$ 82.35	\$ -	\$ 136.35	RR	
10.00	333111254000			Public sanitary utility sewerage piping, piping DWV PVC, schedule 40, 10' length, 4" diameter, excludes excavation or backfill	B20	375	0.064	L.F.	\$ 12.70	\$ 2.86	\$ -	\$ 15.56	\$ 127.00	\$ 28.60	\$ -	\$ 155.60	\$ 13.95	\$ 4.54	\$ -	\$ 18.49	\$ 139.50	\$ 45.40	\$ -	\$ 184.90	RR	
1.00	333111254000			Public sanitary utility sewerage piping, piping DWV PVC, schedule 40, 10' length, 4" diameter, excludes excavation or backfill	B20	375	0.064	L.F.	\$ 12.70	\$ 2.86	\$ -	\$ 15.56	\$ 12.70	\$ 2.86	\$ -	\$ 15.56	\$ 13.95	\$ 4.54	\$ -	\$ 18.49	\$ 13.95	\$ 4.54	\$ -	\$ 18.49	RR	

Grand Total \$ 5,267.12 \$ 281.47 \$ 4,817.88 \$ 2,814.02 \$ 8,258.69 \$ 6,758.47 \$ 308.98 \$ 7,314.89 \$ 3,095.03 \$ 11,098.58