

Wrayburn Road and Terrace Drive PPII Investigation Summary - Priority #4 and #5																				
Village of Elm Grove																			Investigation Date: June, July, November and December of 2017	
Project No. 38-10011.100																			Investigation By: Visu-Sewer	
							Cost Estimate Item No. =		1	2 & 3	4	5 & 9	6 & 9	7 & 9	8	10 & 11				
Visu-Sewer	Upstream	Downstream	Sewer Main				Tax Key	Televised	Water	Additional	Lateral Root	Install	Manhole Shot	Main & Lateral	Tank Shot	Lateral Size	Spot	Priority		
Report Order	MH	MH	Material	Address	Street	Number	Length	Injected	Televising	Cleaning	Cleanout	Lateral Lining	Connection Lining	Lateral Lining	Transition	Relay	Ranking	Comments		
29	2-075	2-074	VC	12900	Wrayburn Road	1101-101	79.5	Yes	70	40	1		100				5	VC lateral; Multiple defects noted; Camera would not advance beyond 79' due to blockage; Recommend installing Vac-A-Tee at or near P/L; Televis remaining lateral & evaluate to determine if additional repairs are required; May require additional 60' +/- of lining requiring 2nd set up .		
42	6-086	6-093	VC	1080	Lone Tree Road	1110-063	95	Yes		20	1		97					5	VC lateral; Service off of Terrace Ct.; Multiple defects noted; Broken pipe 92' from main; Lining best option due to landscaping & driveway.	
43	6-086	6-093	VC	1100	Lone Tree Road	1110-064	83.8	Yes		80	1		87					5	VC lateral; Service off of Terrace Ct.; Multiple defects noted; Lining best option due to landscaping & driveway to repair wye connection.	
44	6-091	6-092	VC	1040/1030	Terrace Dr.	1110-099/ 1110-098	100	Yes	280	75	2		100					5	VC lateral; Connected to main with riser; Multiple defects noted; Lining best option due to landscaping & lateral runs under property at 15175 Terrace Ct.; Recommend televising remaining lateral from CO at 1040 & 1030 Terrace Dr to evaluate remaining lateral condition and verify that houses are connected. May require an additional 280' +/- of lining with two additional tank shots . Sag in lateral 67' to 71' from main (~20%).	
46	6-092	6-091	VC	15150	Terrace Ct.	1110-102	61.2	Yes	60	60	1		64					5	VC lateral; Multiple defects noted; Camera unable to advance beyond 61' from main due to roots & debris (80%); Recommend televising from house CO or install Vac-A-Tee to evaluate condition of remaining lateral; May require additional 60' of lining with 2nd set up ; Lining best option due to landscaping.	
50	6-094	6-093	VC	1120	Lone Tree Road	1110-065	99.6	Yes		15	1		102					5	VC lateral; Multiple defects noted; CO at 64' from main needs to be abandoned or repaired; Additional 15' of lining may be required to line entire lateral.	
54	6-097	6-096	lined	14960	Juneau Blvd.	1099-098	100	Yes		40	1			34				5	VC lateral changing to PVC from 4.5' to 77' from main; Multiple defects noted in clay sections of lateral; Install 7' Shorty Tee Liner & line remaining clay lateral.	
64	6-101	6-099	VC	1065	Woodland Ave.	1110-018	101	Yes		30	1		103					5	VC lateral; Multiple defects noted; Possible 2nd set up required due to landscaping & length of lateral; Lining best option to repair connection.	
72	6-104	6-103	VC	1025	Lone Tree Road	1110-079	98.5	Yes			1		55				46	5	VC lateral; Multiple defects noted throughout lateral; Recommend spot relay from main to 46' upstream to repair sag (if landscaping permits) & line remaining length; If unable to relay, line entire lateral.	
78	6-106	6-105	located in MH 6-105	970	Lone Tree Road	1110-012	62	Yes									38	5	VC lateral located in MH-105; Multiple defects noted; Constant clearwater flowing in lateral; Possibly recharging water softener; If landscaping permits, spot relay to dimension change in pipe at 38.5' from MH; If unable to relay, then line pipe.	
							880.6		410	360	10	0	708	34	0	84	Totals for Priority #5 (Highest Priority - Recommended for Improvement)			
									3	8			8	1		2				
1	2-052	2-051	Clay	13300	Lee Court	1102-009	72	Yes		9	1		73					4	Multiple defects noted. May require repair/abandonment of exist CO; Existing VC lateral.	
3	2-056	2-053	Clay	13185	Lee Court	1102-016	99.5	Yes		60	1		100					4	No relay due to landscaping; VC pipe; Multiple defects noted; Exist CO at 60' upstream from mainline sewer.	
15	2-070	2-069	Conc.	13000	Dunwoody Drive	1101-132	90	Yes		20	1		58					4	VC lateral; Multiple defects noted; Possible relay to remove sag in lateral; Possible repair/abandonment of exist CO.	
21	2-072	2-069	VC	13105	Dunwoody Drive	1101-137	86	Yes		40	1		86					4	VC lateral; Multiple defects noted; Possible repair/abandonment of exist CO 49.5' from main.	
23	2-073	2-072	---	13120	Dunwoody Drive	1101-129	90	Yes		20	1		90					4	VC lateral; Multiple defects noted; No relay due to landscaping.	
28	2-075	2-074	VC	12905	Wrayburn Road	1101-096	100.5	Yes		30	1			66				4	VC lateral; Multiple defects noted; Line from house to last defect.	
30	2-075	2-074	VC	13000	Wrayburn Road	1101-120	98.5	Yes	60		1		100					4	VC lateral; Multiple defects noted; LETS camera cable reached end at 98'; Recommend installing Vac-A-Tee at or near P/L; Televis remaining lateral & evaluate to determine if additional repairs are required; May require additional 60' +/- of lining requiring 2nd set up ; Joints are in poor condition.	
32	2-076	2-075	VC	12855	Wrayburn Road	1101-095	98	Yes		40	1		86					4	VC lateral; Multiple defects noted; Relay not practical due to landscaping & driveway; Line lateral up to driveway; CO at 54' from main may require repair or abandonment.	
33	2-076	2-075	VC	12850	Wrayburn Road	1101-100	95	Yes	70		1		44					4	VC lateral; Multiple defects noted; Line to repair wye at connection to main; CO at 93'; Recommend placement of Vac-A-Tee at or near P/L so remaining lateral can be televised & evaluated.	
39	2-196	2-066	Conc.	13005	Lee Court	1101-111	78.1	Yes			1			15	1			4	VC lateral; Deposits at connection to main; Possible shorty liner; Requires 6" x 4" transitional liner near house; May require venting through the house during installation.	
40	2-196	2-066	Conc.	12955	Lee Court	1101-110	100.1	Yes			1			26				4	VC lateral; Multiple defects noted; Clean lateral to remove adhesive at joint 37' from main; Spot line lateral from 61' to 82' downstream of main.	
41	2-197	2-196		12905	Lee Court	1101-999-002	84.2	Yes			1			56	1			4	VC lateral; Multiple defects noted; Lateral transitions to CI at 83' from main; Heavy turburculation; Most of lateral runs under driveway; Requires 6" x 4" transitional liner; Line from house to 6' from P/L.	
45	6-092	6-091	VC	15175	Terrace Ct.	1110-100	80	Yes			1		26					4	VC to PVC lateral; Multiple defects noted; Line clay portion of lateral; Recommend lining to repair leak at wye connection.	

Wrayburn Road and Terrace Drive PPII Investigation Summary - Priority #4 and #5																				
Village of Elm Grove																				
Project No. 38-10011.100																				
Investigation Date: June, July, November and December of 2017																				
Investigation By: Visu-Sewer																				
Cost Estimate Item No. = 1 2 & 3 4 5 & 9 6 & 9 7 & 9 8 10 & 11																				
Visu-Sewer	Upstream	Downstream	Sewer Main			Tax Key	Televised	Water	Additional	Lateral Root	Install	Manhole Shot	Main & Lateral	Tank Shot	Lateral Size	Spot	Priority			
Report Order	MH	MH	Material	Address	Street	Number	Length	Injected	Televising	Cleaning	Cleanout	Lateral Lining	Connection Lining	Lateral Lining	Transition	Relay	Ranking	Comments		
47	6-092	6-091	VC	15170	Terrace Ct.	1110-103	100	Yes	50	60	1		102				4	VC lateral; Multiple defects noted; Recommend televising from Vac-A-Tee to evaluate condition of remaining lateral; May require additional 50' of lining with 2nd set up; Lining best option due to landscaping. CO from main may require repair/abandonment.		
48	6-092	6-093	VC	1085	Lone Tree Road	1110-083	78.5	Yes		10	1		82		1		4	VC lateral; Multiple defects noted; Lining best option due to landscaping; Requires 6" x 4" transitional liner to repair fracture at 78' from main.		
49	6-094	6-093	VC	1115	Lone Tree Road	1110-070	100	Yes			1		102				4	VC lateral; Multiple defects noted; Unable to view last 5' of televising - camera under water; Broken pipe at CO 53' from main; May require repair or abandonment.		
51	6-094	6-093	VC	1125	Lone Tree Road	1110-071	100	Yes	80		1		100				4	VC lateral; Crack at wye connection; Camera under water for approx. 73' of televising due to debris or sag; Obvious infiltration during water injection; Lateral runs under brick driveway & landscaping; Recommend installing Vac-A-Tee, clean lateral, remove water, and televising lateral to evaluate.		
52	6-095	6-094	located in MH 6-094	1135	Lone Tree Road	1110-072	76.7	Yes			1	115					4	VC lateral; Recommend lining entire length due to multiple offsets, separated joints & infiltration; Lining best option due to landscaping.		
53	6-096	6-095	located in MH 6-095	1175	Lone Tree Road	1110-075	99	Yes		25	1	110					4	VC lateral; Multiple defects noted throughout pipe section; CO at 77' from main needs to be abandoned or repaired; Lining best option due to landscaping & driveway.		
58	6-100	6-099	located in MH 6-100	1140	Woodland Ave.	1110-066	100	Yes		100	1	120					4	VC lateral; Multiple defects noted; Lining best option due to landscaping & driveway; May require 2nd set up due to length.		
59	6-100	6-099	located in MH 6-100	1145	Woodland Ave.	1110-048	96.5	Yes		97	1	97					4	VC lateral; Multiple defects noted; Camera under water from 10' to 25' from MH; Lining best option due to driveway.		
62	6-100	6-099	VC	1100	Woodland Ave.	1110-041	74.4	Yes	30	40	1		100				4	VC lateral; Multiple defects noted; Line only to repair defect at connection; Camera unable to advance beyond 74.4' due to roots; Recommend televising from house CO or install Vac-A-Tee to evaluate condition of remaining lateral.		
63	6-101	6-099	VC	1080	Woodland Ave.	1110-040	99.5	Yes		50	1		100				4	Lateral change material from VC to Conc 18" from main; multiple defects noted. Line only due to landscaping.		
65	6-101	6-099	VC	1070	Woodland Ave.	1110-039	58	Yes	40	60	1		100				4	VC lateral; Multiple defects noted; Camera unable to advance beyond 58' due to root ball; Recommend televising from house CO or install Vac-A-Tee to evaluate condition of remaining lateral.		
70	6-104	6-103	VC	1035	Lone Tree Road	1110-080	97	Yes		75	1		86				4	VC lateral; Line to 86' upstream from main to cover last roots; Lining best option due to landscaping.		
73	6-104	6-103	VC	1015	Lone Tree Road	1110-078	100	Yes		60	1		100				4	VC lateral; Multiple defects noted; Prior repair 12.5' to 42' from main (PVC); Lining best option due to landscaping; CO at 32.9' & 40.9' from main may need to be restored.		
74	6-104	6-103	VC	1005	Lone Tree Road	1110-077	100	Yes			1			86			4	VC lateral; Multiple defects noted; Line from house toward P/L to cover last defect; Lining best option due to driveway.		
75	6-104	6-103	VC	1030	Lone Tree Road	1110-060	100	No		52	1		100				4	VC lateral; Multiple defects from roots; Wye connection cracked; Lining best option due to driveway.		
77	6-106	6-105	located in MH 6-105	955	Lone Tree Road	1110-056	73	Yes	100	20	1	75					4	VC lateral; Multiple defects noted; Camera would not advance beyond 73' from MH due to deposit; Recommend televising from house CO or install Vac-A-Tee to evaluate condition of remaining lateral; May require 2nd set up w/tank shot due to length (175' overall); Lining best option - lateral runs across lot for 975 Lone Tree Road.		
79	6-106	6-105	lined	14905	Lata Vista Drive	1110-011	19	No	50		1		70				4	VC lateral; Unable to advance camera beyond 19' from main due to root ball; Recommend televising from house CO or install Vac-A-Tee to evaluate condition of remaining main approximately 70' to line entire lateral.		
82	6-107	6-106	located in MH 6-107	1050	Woodland Ave.	1110-037	91	Yes		84	1	84					4	VC lateral; Multiple defects noted; Lining best option due to landscaping.		
							2,734.5		480	952	31	601	1,705	249	3	0	Totals for Priority #4 (2nd Highest Priority - Recommended for Improvement)			
									8	20			6	20	5		0			
							3,615.1		890	1,312	41	601	2,413	283	3	84	Totals for Priority #4 and #5			