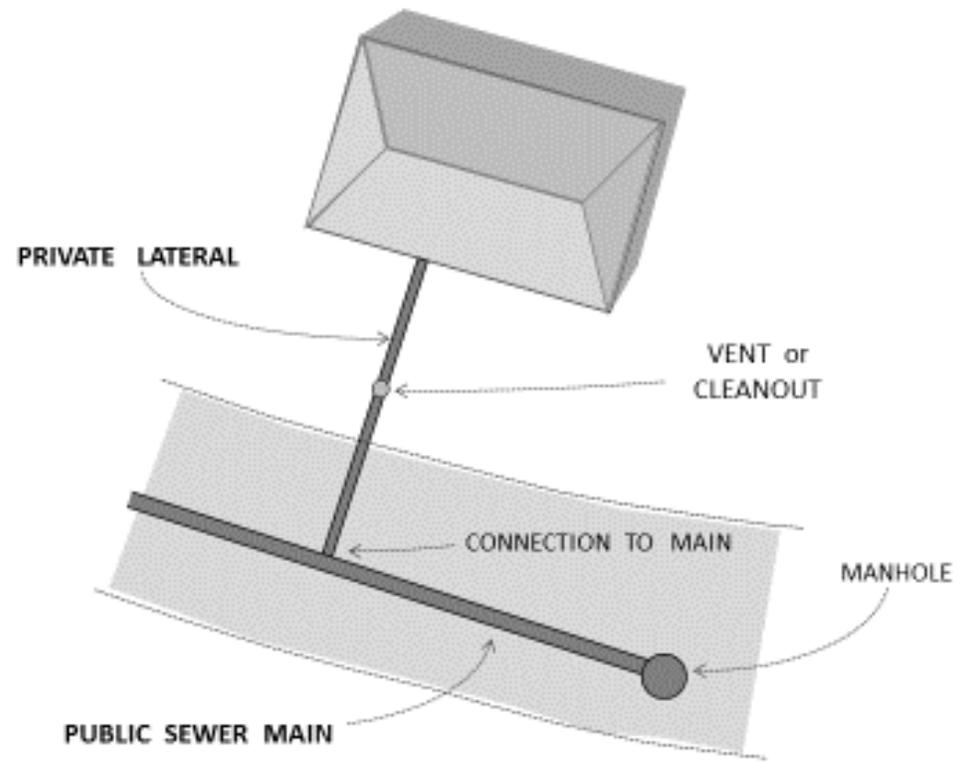


Cheltenham Township
Sanitary Sewer

Private Sanitary Sewer Lateral
Maintenance and Repair

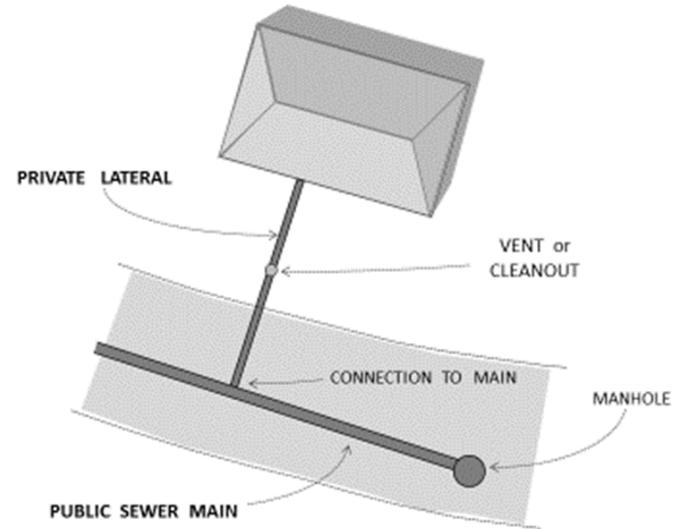
September 28, 2016
Community Meeting

The Private Sanitary Sewer Lateral



The Private Sanitary Sewer Lateral

- What is it? Typically a 4-inch diameter pipe from the structure to the sewer main.
- Carries wastewater from toilets, tubs, washer, kitchen, etc. from the structure to the sewer main.
- Most property owners don't think about their lateral until there is a blockage in the pipe.



The Importance of Private Sanitary Sewer Lateral Maintenance and Repair

- Laterals are usually as old as the structure they serve.
- Keeping your lateral in good working condition prevents sewage from backing up into your house.
- Keeping your lateral in good working condition can keep groundwater from entering the lateral and sewage from leaking out into the soil on your property.
- EPA suggests 40% of a system's I/I can be coming in through private laterals.

Sample Defect Grading Utilizing NASSCO Standards

- Defect Grades are assigned for structural defects as listed below:
 - 5 – Most significant defect grade
 - 4 – Significant defect grade
 - 3 – Moderate defect grade
 - 2 – Minor to moderate defect grade
 - 1 – Minor defect grade

Examples of Defects

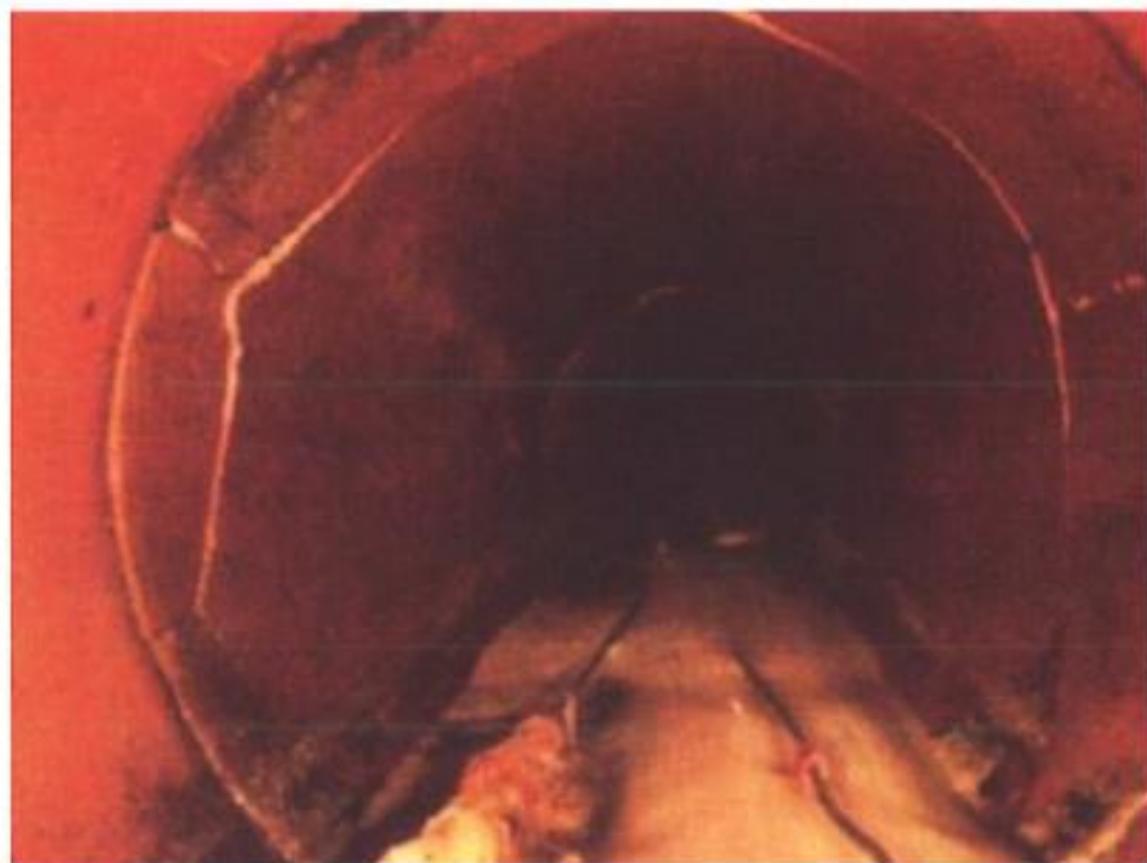
Crack Longitudinal (CL)



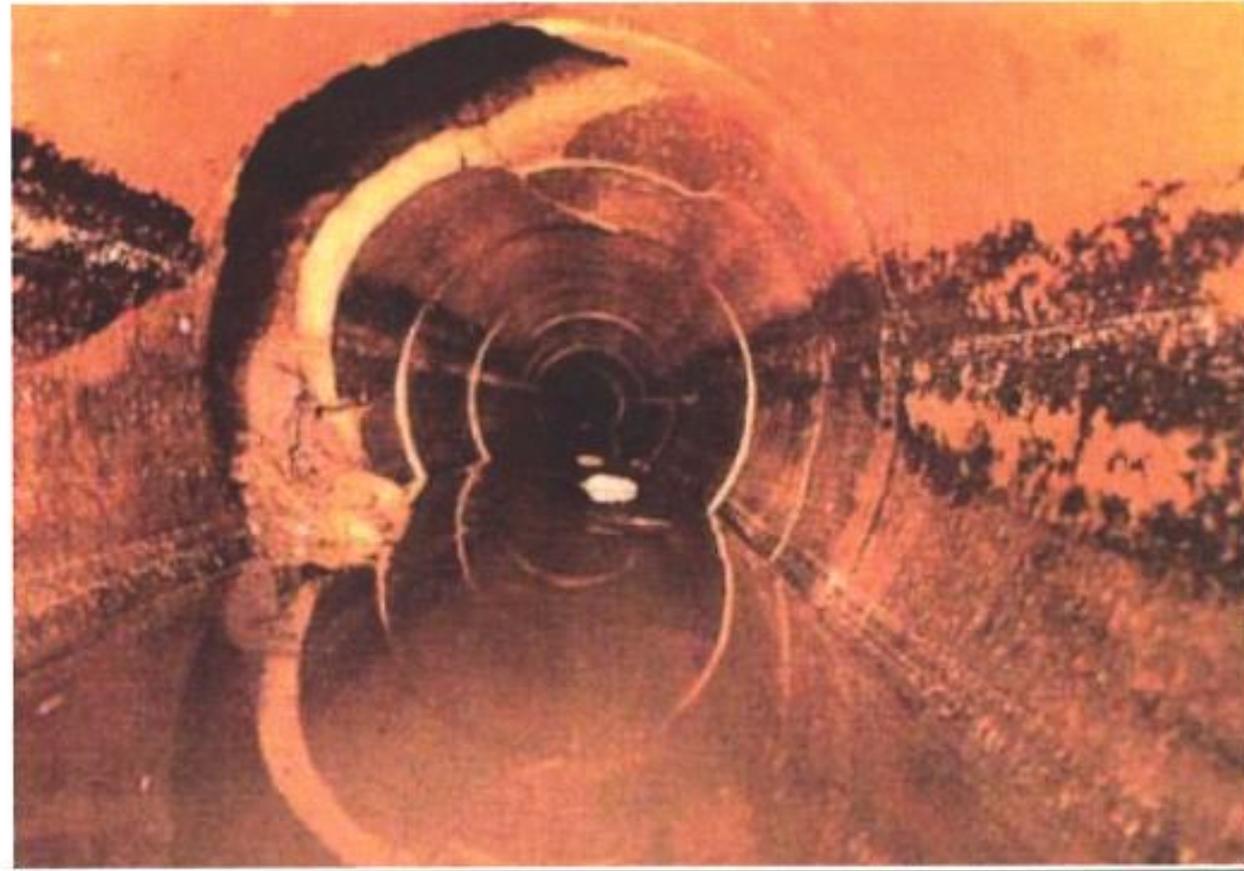
Crack Multiple (CM)



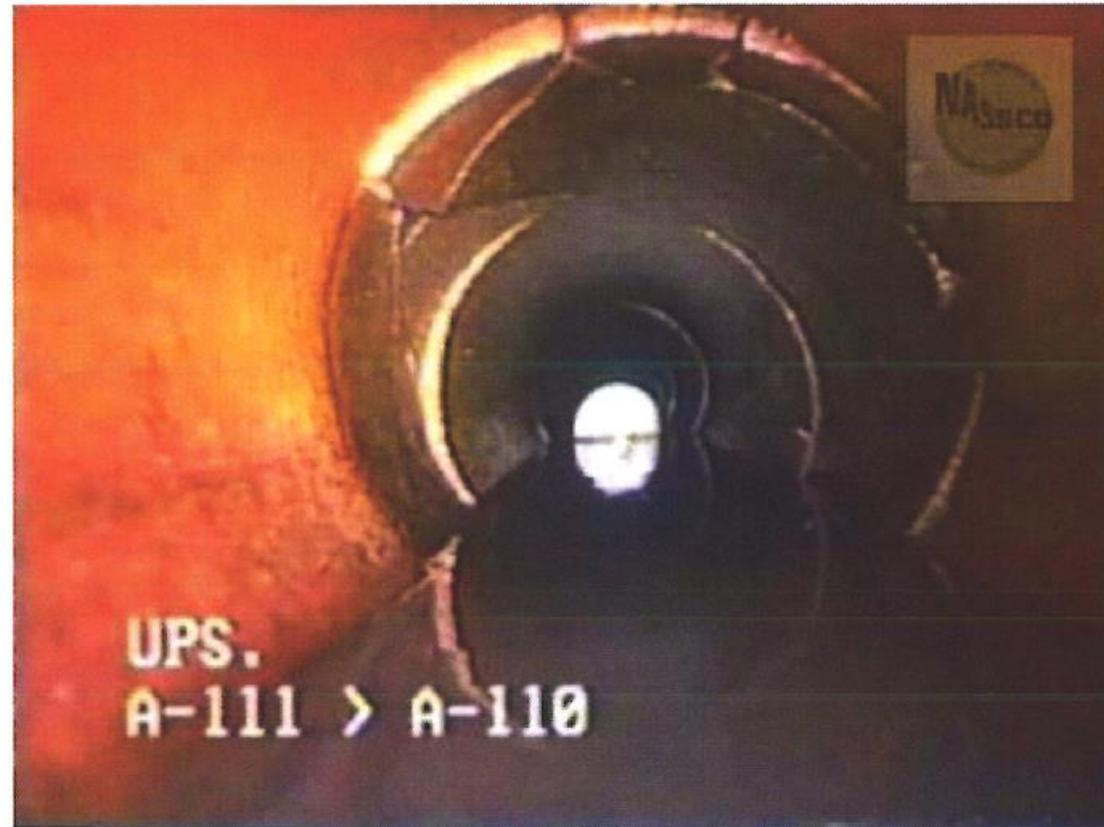
Fracture Multiple (FM)



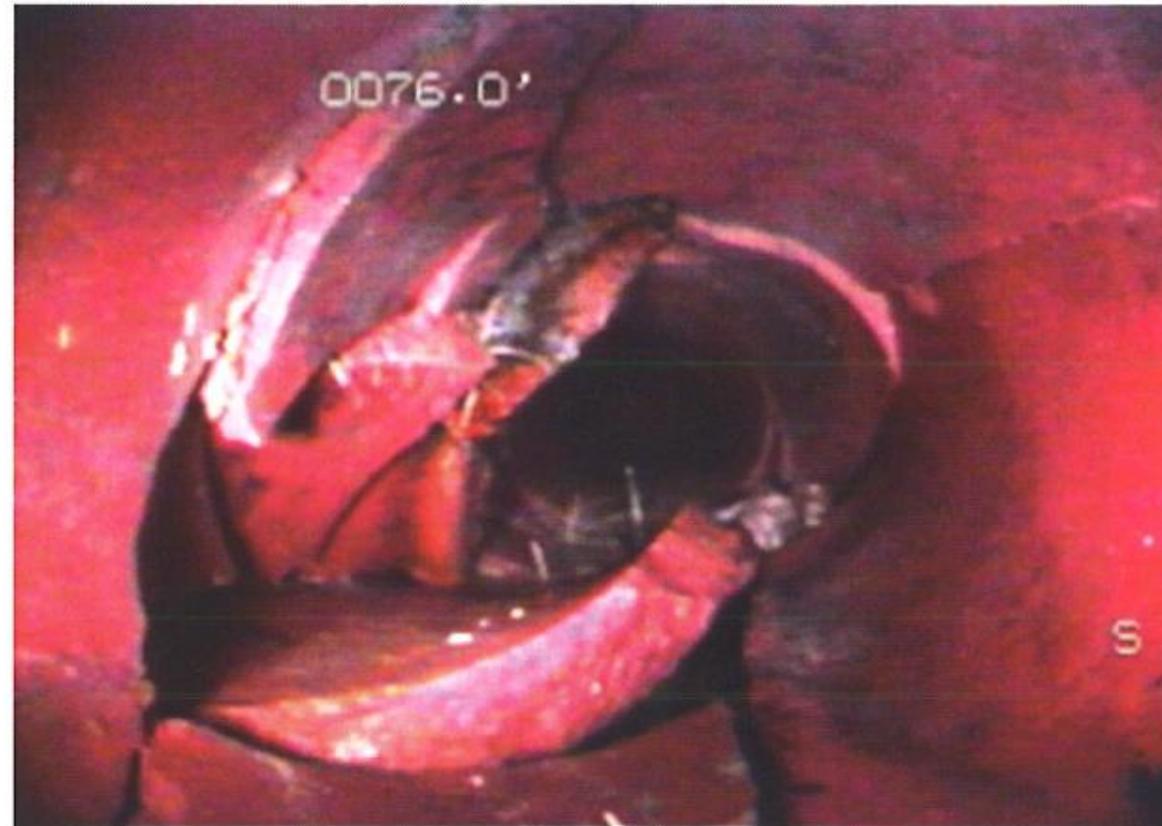
Hole Void Visible (HVV)



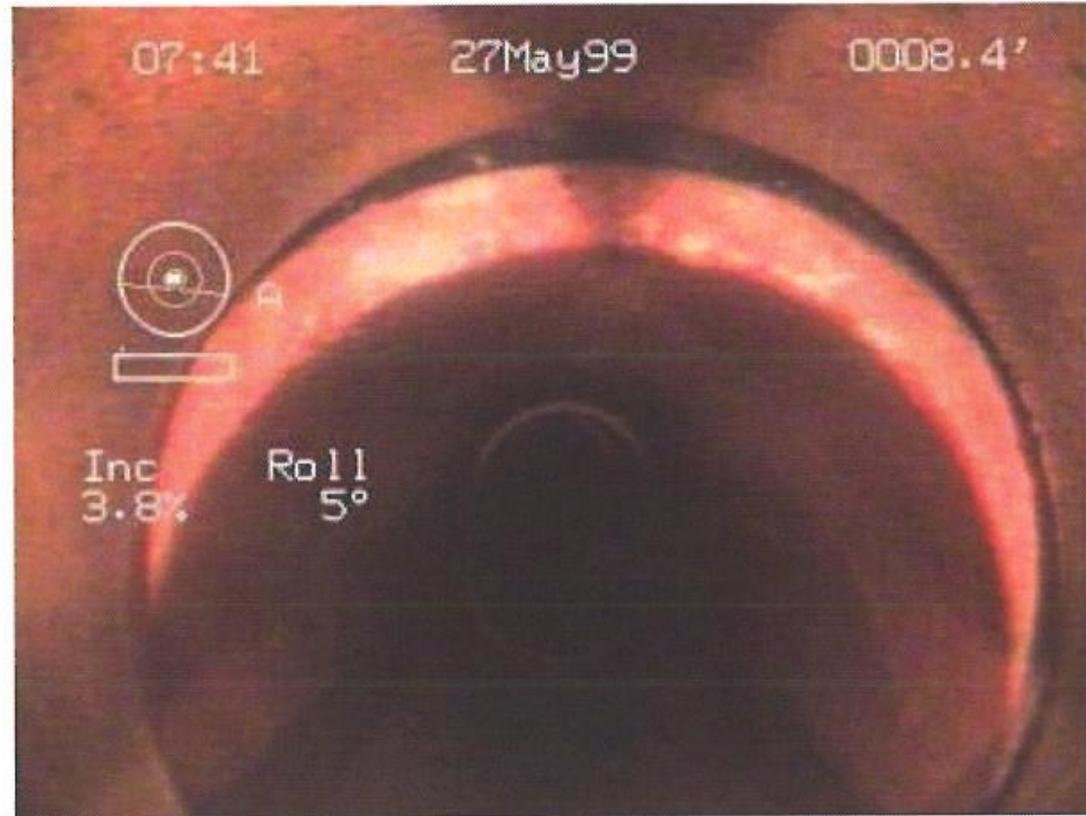
Broken (B)



Collapse (X)



Joint Offset Medium (JOM)



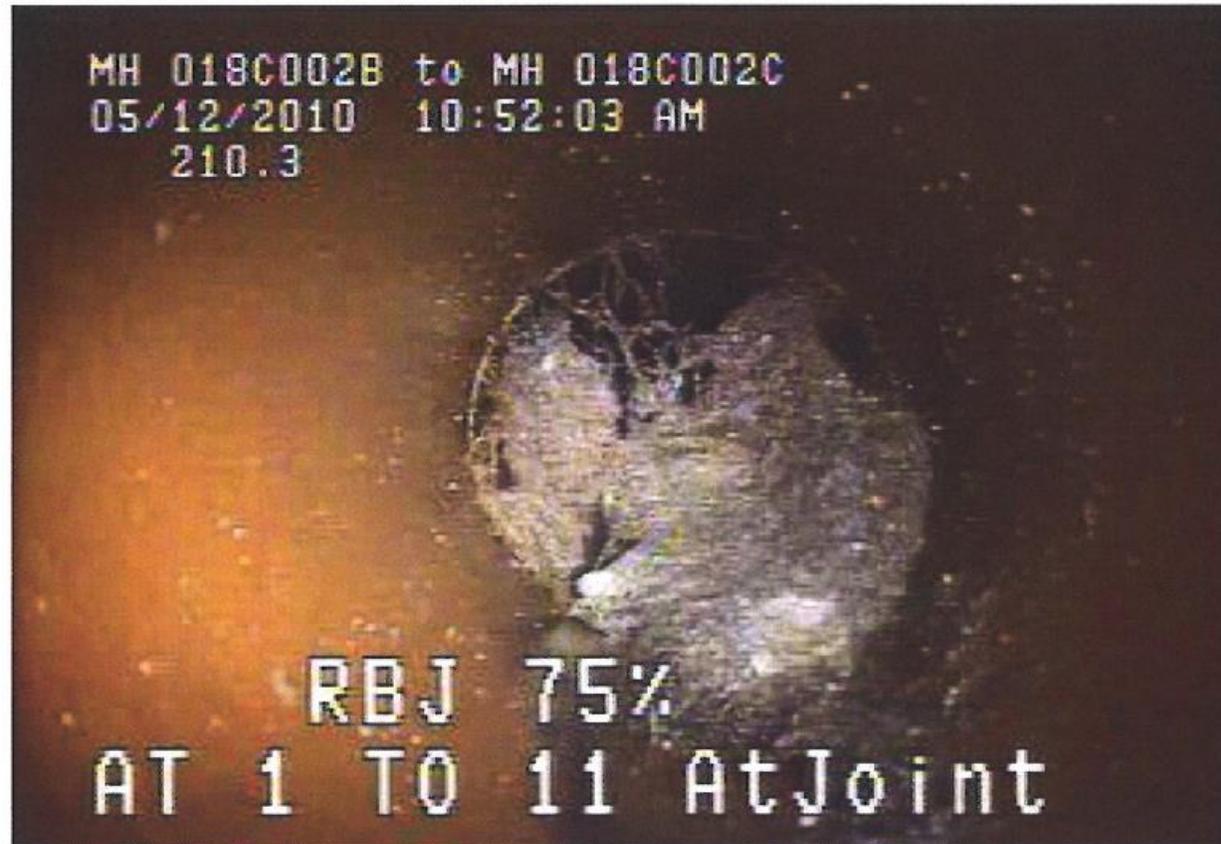
Surface Damage Missing Wall (SMW)



Roots Medium Joint (RMJ)



Roots Ball Joint (RBJ)



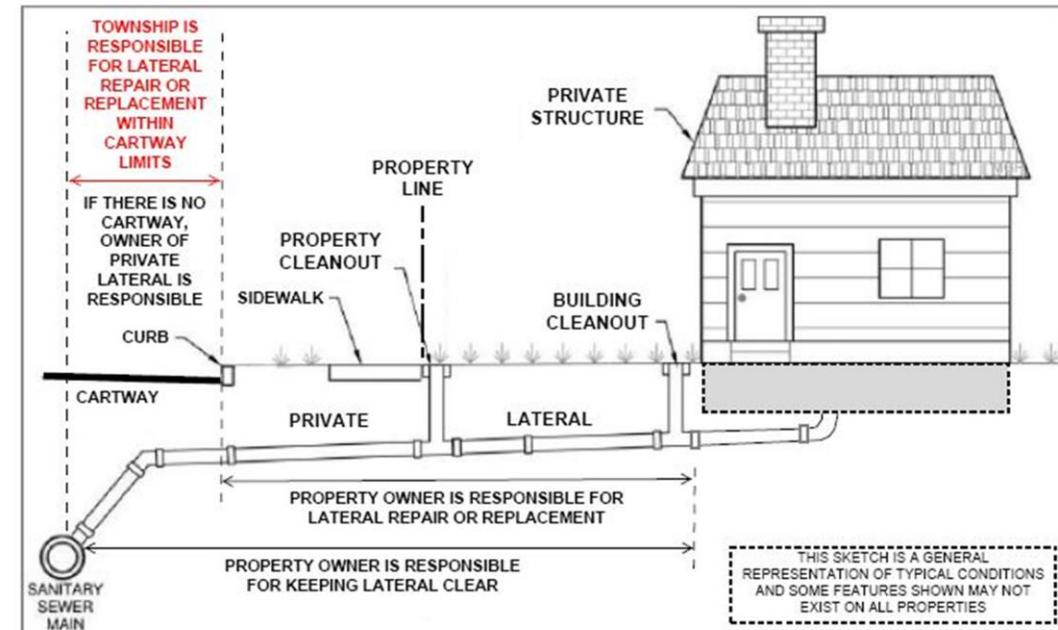
PACP/LACP Condition Grades

Structural Defect Codes

Description	Code	Structural Grade		O&M Grade
		Sewer/Combined/ Stormwater	Levee/Dam	
CRACK				
Crack Longitudinal	CL	2	3	
Crack Circumferential	CC	1	1	
Crack Multiple	CM	3	3	
Crack Spiral	CS	2	3	
Crack Hinge 2	CH2	2	5	
Crack Hinge 3	CH3	3	5	
Crack Hinge 4	CH4	4	5	
FRACTURE				
Fracture Longitudinal	FL	3	4	
Fracture Circumferential	FC	2	4	
Fracture Multiple	FM	4	4	
Fracture Spiral	FS	3	4	
Fracture Hinge 2	FH2	3	5	
Fracture Hinge 3	FH3	4	5	
Fracture Hinge 4	FH4	4	5	
BROKEN				
Broken	B	4	5	
Broken Soil Visible	BSV	5	5	
Broken Void Visible	BVV	5	5	
HOLE				
Hole	H	< 2 clock pos → 4 ≥ 2 clock pos → 5	5	

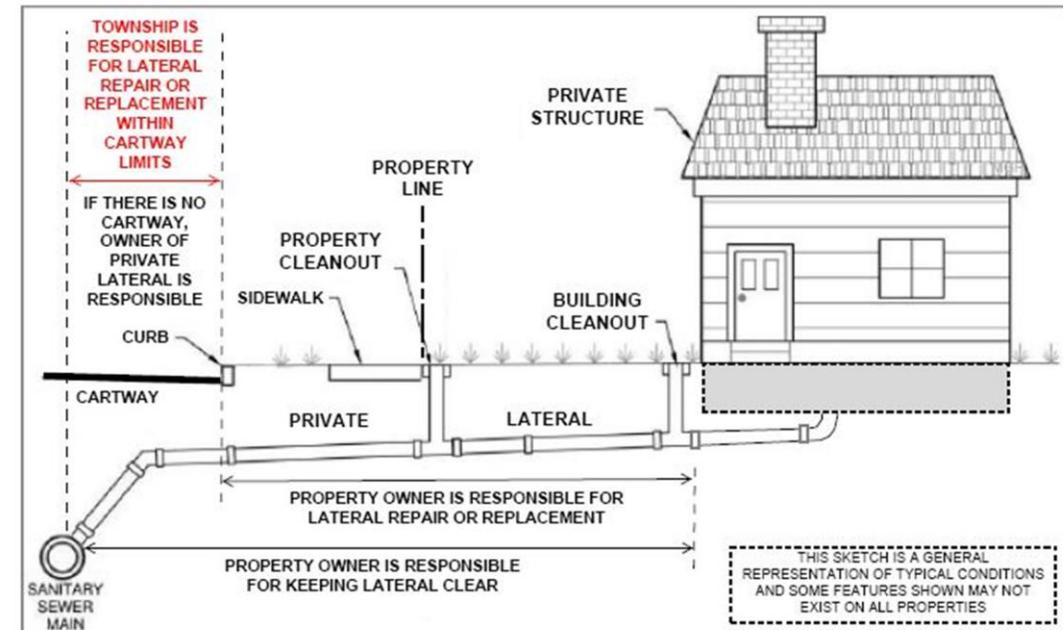
What actions should Property Owners undertake prior to any Sanitary Sewer Lateral inspection?

- Permanently disconnect and remove any and all downspout, gutter, sump pump, area drain, yard drain, hose and other connections to the sanitary sewer system conveying drainage, rainwater, surface water and/or groundwater. These types of connections are currently illegal and will be documented during the inspection process.
- Look into the use of rain gardens, rain barrels and/or the disbursement of collected rain water over a large lawn area.



What actions should Property Owners undertake prior to any Sanitary Sewer Lateral inspection?

- Replace any missing clean out and/or vent cap on your property.
- Report any damaged or missing manhole covers on your property.
- Avoid placing objects which are not water-soluble in the sanitary sewer system. Other than septic-safe toilet tissue, no other objects should be placed in the toilet. Clearing obstructions from the private sanitary sewer lateral is the responsibility of the private property owner.



What can Property Owners expect next from the Township?

- Property owners will receive a copy of the video inspection of their private lateral along with a report which will indicate if any defects were found that require repair. If there are no repairs required or a “watch” item is found for a future recheck, that will be noted as well.

