**APPENDIX A** Sanitary Sewer Assessment ("SSA") Process
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## **APPENDIX A**

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Gravity Sewer Line Condition Assessment         Perform condition assessment based on these guidelines:         -       Prioritize the review of inspection data based on the severity of findings.         -       Record defects utilizing PACP coding.         -       Categorize assets based on the following table:				
Category	Example Structural Conditions for Each Category	Likely Outcome		
Grade 5	Pipe segment has failed or will likely fail within the next five years. Pipe segment requires immediate attention.	Remedial Design		
Grade 4	Pipe segment has severe defects with the risk of failure within the next five to ten years.	Remedial Design		
Grade 3	Pipe segment has moderate defects. Deterioration may continue, but not for 10 to 20 years.	Add into CMOM program		
Grade 2	Pipe segment has minor defects. Pipe is unlikely to fail for at least 20 years	Add into CMOM program		

	Pipe segment has minor defects. Failure is unlikely in the foreseeable future.	Add into CMOM program
Grade 1		

Perform condition assessment on inspection data and consider appropriate criteria which shall include factors such as the following: – Type and severity of structural defects

- Historical operation and maintenance data: Overflows, inspections, cleaning findings, cleaning frequency, previous remediation, customer complaints, and other unique circumstances for each individual asset
- Site conditions: Access for maintenance and construction, depth, soil type, environmental sensitivity, surface restoration requirements, and other unique circumstances for each individual asset

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Manhole Condition Assessment           Perform condition assessment based on these guidelines:           -         Prioritize the review of inspection data based on the severity of findings.           -         Record Inflow/Infiltration defects, such as pick hole covers, frame seal leaks, infiltration runners, etc and assign estimated values of I/I for each Manhole. Each Manhole which is observed to have I/I defects are added to a remedial design project.           -         Record MACP structural condition ratings for each component of the Manhole (cover and frame, frame adjustment, corbel, wall, bench, and trough) based on scoring conditions of 1 thru 5. Each Manhole component score is added and averaged. Any Manhole which has any component of 4 or 5, or whose average is above 4 is added to remedial list.           -         Categorize assets based on the following table:			
Category	Example Structural Conditions for Each Category	Likely Outcome	
Grade 5	Failure has already occurred or is likely to occur.	Remedial Design	
Grade 4	Cracks, deterioration, visible deformities observed.	Remedial Design	
Grade 3	Moderate corrosion observed and/or moderate surface damage to material.	Add into CMOM program	
Grade 2	Moderate material degradation noticed, however no visible structural defects.	Add into CMOM program	
Grade 1	New manhole with no defect observed.	Add into CMOM program	

Perform condition assessment on inspection data and consider appropriate criteria which shall include factors such as the following:

- Type and severity of structural defects \_
- Historical operation and maintenance data: Overflows, inspections, cleaning findings, cleaning frequency, previous remediation, customer complaints, and other unique circumstances for each individual asset
- Site conditions: Access for maintenance and construction, depth, soil type, environmental sensitivity, surface restoration \_ requirements, and other unique circumstances for each individual asset