

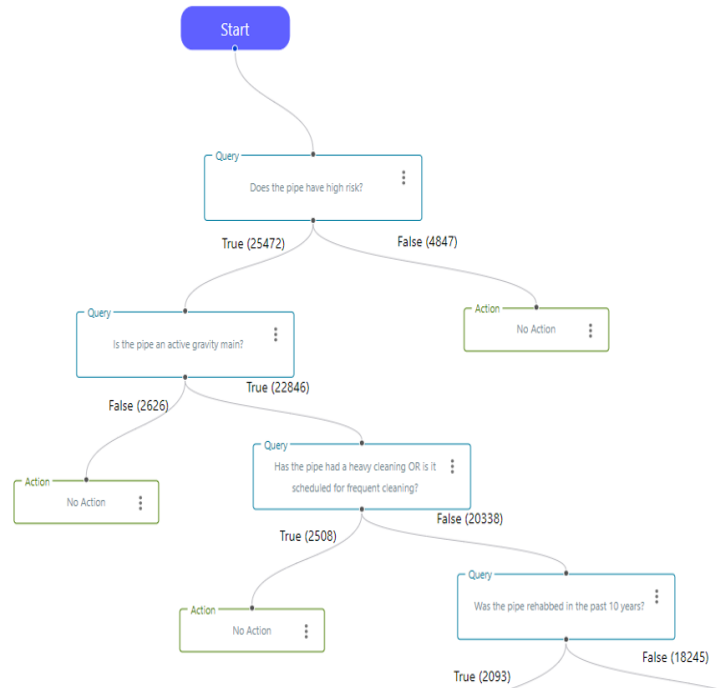
# Decision Tree: Root Foaming

## Queries:

- Risk results
- CCTV findings
- Historical Pipe Cleans
- Historical Rehabilitations
- Historical SSOs

## Actions:

- Has likelihood of roots
- Conduct root foaming



# Sewer System Risk Delineation - LOF

	Criteria	Scoring Criteria					Scoring Weight	Rating Logic
		1	2	3	4	5		
Structural Failure	Condition: PACP Structural Peak Score	Peak Structure Score = 1; No Defects Noted (Score = 0)	Peak Structure Score = 2	Peak Structure Score = 3	Peak Structure Score = 4	Peak Structure Score = 5	44.45%	Defect Rating is primary (if no CCTV use Age)
	Installation Year/Rehab Year	> 1990	1971 - 1990	1951-1970; unknown	<=1950	Not Used		
Maintenance Failure	Condition: PACP O&M Peak Score	Peak O&M Score = 1; No Defects Noted (Score = 0)	Peak O&M Score = 2	Peak O&M Score = 3	Peak O&M Score = 4	Peak O&M Score = 5	33.33%	Maximum score used from all 4 factors
	Roots/Grease Observed During Cleaning	Clear; Not Observed (N/A, Blank)	Not Used	Light	Moderate	Heavy		
	Debris Observed During Cleaning	Clear; Not Observed (N/A, Blank)	Light	Moderate	Heavy	Not Used		
	SSO occurrences at pipe locations	No documented SSOs	Not Used	Not Used	1 SSO	> 1 SSO		
Rauilic Capacity Failure	Condition (Based on Cleaning Frequency)	Pipes not identified for frequent cleaning	Pipes identified for 12 month cleaning frequency	Pipes identified for 6 month cleaning frequency	Pipes identified for 3 month cleaning frequency	Pipes identified for weekly cleaning frequency	22.22%	Modeled capacity restrictions is primary factor; if no model data for individual pipe,
	Modeled Capacity - Identified Restrictions (d/D)	<= 0.5 (< 50% full)	0.5 - 0.75 (50% - 75% full)	0.75 - 1.0 (75% - 100% full)	Surcharge due to Backwater	Surcharge due to Capacity Exceedance		

