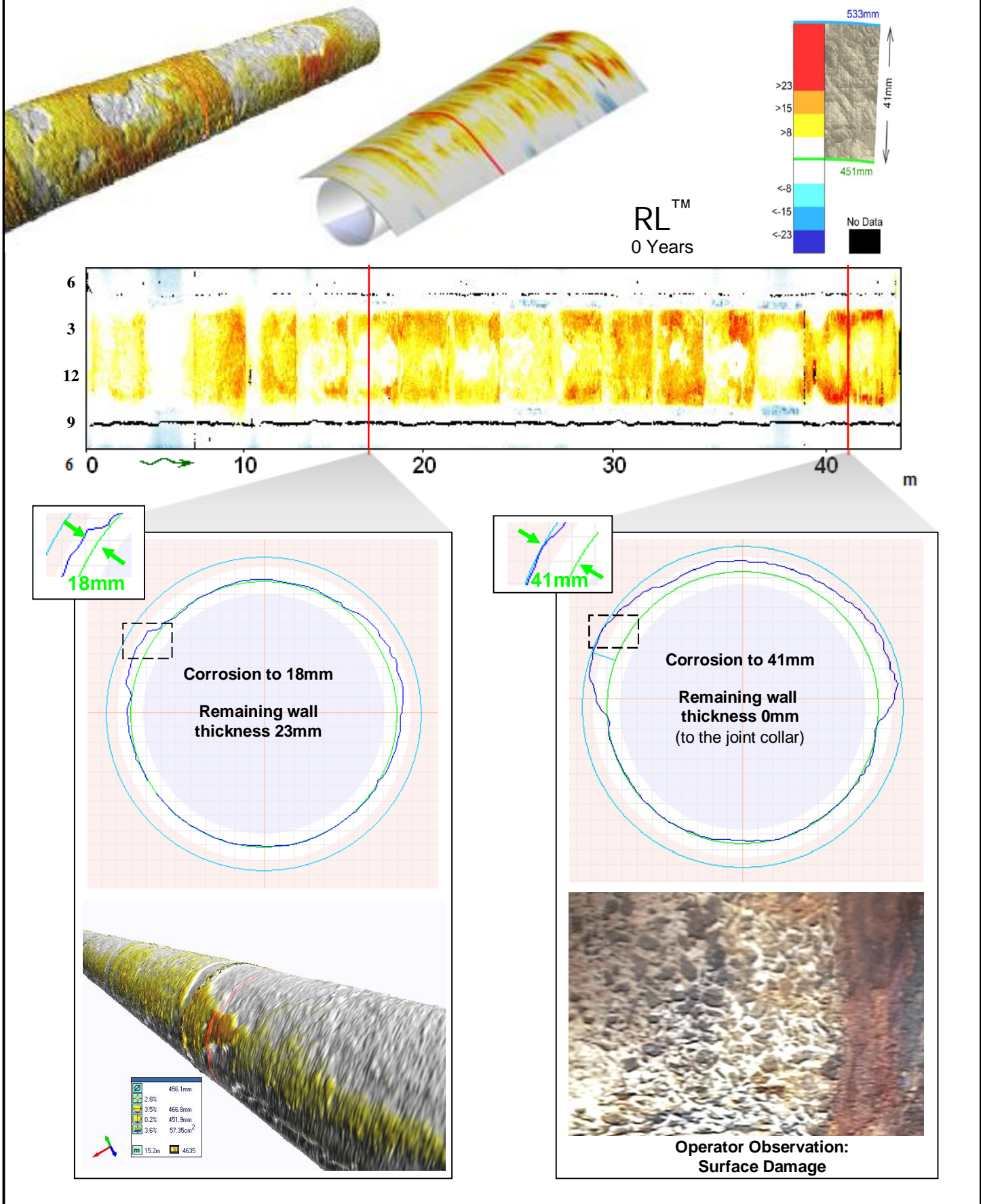


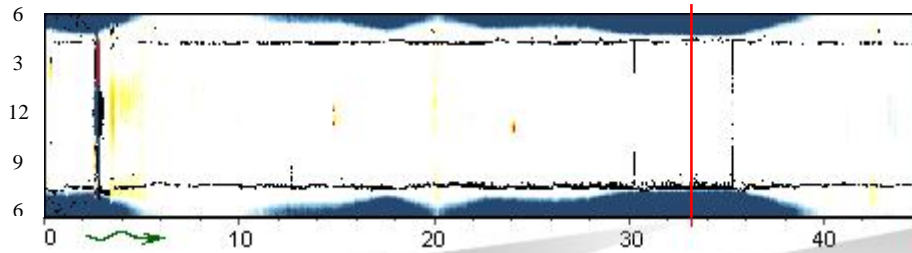
MEASURE ... CORROSION

SSM3475 - Year 1970 - 451mm ID, 533mm OD – Concrete RCRRJ– (42m)

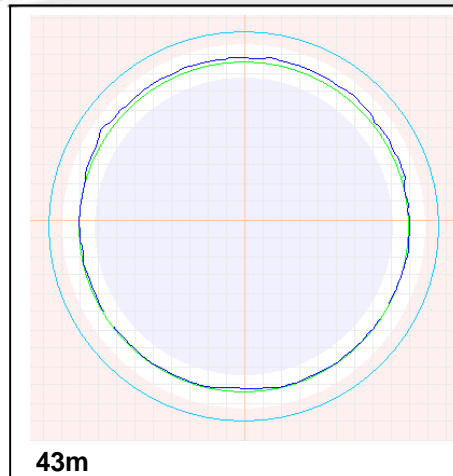
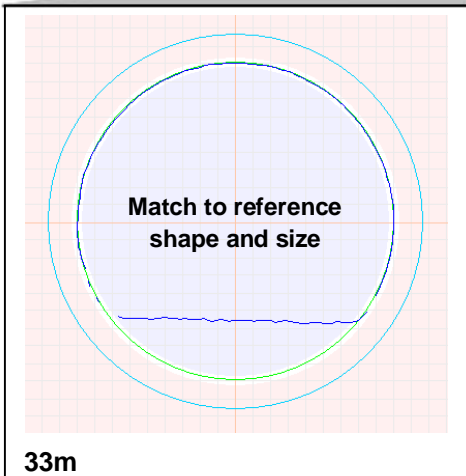


MEASURE ... CORROSION

SSM3476 - Year 1970 - 451mm ID, 533mm OD – Concrete RCRRJ– (46m)

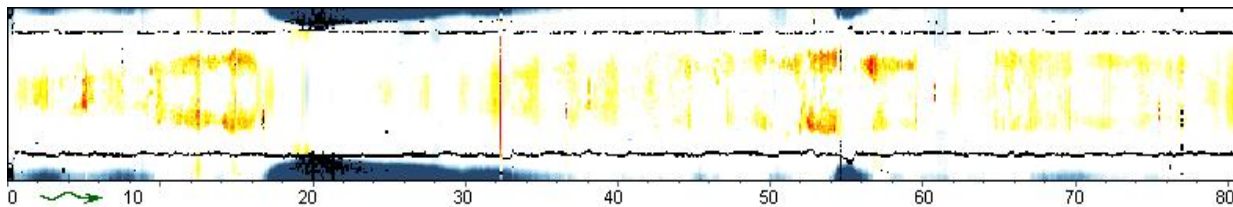


RL™
15+ Years



Operator Observation:
Surface Damage

SSM3465 - Year 1970 - 451mm ID, 533mm OD – Concrete RCRRJ– (82m)



RL™
0 Years

- The Profiling of these 1970's gravity pipes was commissioned to determine the life expectancy of the pipe network.

Findings

- The internal diameter was 451mm (class Z) rather than 457mm (class X) as originally recorded.
- Three of the 9 pipes profiled showed significant corrosion of more than 20mm throughout the length of the pipe, the Remaining Life (RL™) calculation has returned a 0-5 year life expectancy and immediate relining rehabilitation has been planned.
- A further pipe had a single occurrence of significant corrosion and also returned a 0-5 year RL™ value. This pipe has been scheduled for patch repair.
- A further 3 pipes have been scheduled for re-inspection in 2 years.

Engineer's Action Plan

- Remaining Life <5 years: Produce immediate rehabilitation plan.
- 5 to 15 years: Monitor corrosion every 2 years, consider budget for pipe replacement within 10 years.
- Remaining Life >15 years: Note any corrosion, time line and reschedule for resurvey in future.

Full case study details are available at www.cleanflowsystems.com

RL™ — Remaining Life in Years