

HOW THE UNIVERSITY OF FLORIDA DOCUMENTED 75 YEARS OF UNDERGROUND ASSETS USING GIS

























MECHANICAL MANHOLE: MH-3D3-9
SYSTEM CONDITION

Date of Entry:	3/7/2017	Job Team:	JML, ALS, VGB, JM
Access Cover Condition:	Good	Access Cover Urgency:	N/A
Manhole Condition:	Cracks: <input checked="" type="checkbox"/>	Spalling: <input checked="" type="checkbox"/>	Exposed Rebar: <input type="checkbox"/>
Neck Condition:	Good	Ladder Condition:	Good
Excessive Surface Temperature?	<input checked="" type="checkbox"/>	Notes:	140 deg F
Water Present?	<input type="checkbox"/>	Obsv./ Perm Depth:	0"/18"
Piping Leaks?	<input type="checkbox"/>	Source:	Manway lids and MH-3D3-13
Debris?	<input checked="" type="checkbox"/>	Debris Notes:	Broken insulation, dirt, and sand
Pipe Hangers Cond.:	Good	Pipe Hangers Urgency:	N/A
Pipe Anchors Condition:	Poor	Pipe Anchors Urgency:	Immediate

CONDITION PHOTOS



**Rusted and Broken Anchor Plate on
6" 70S**



Looking South



Looking North

[illegible]

NOTES / COMMENTS / CONCERNS

General:	This manhole serves as a branch isolation point with normal service from MH-3D3-12 to the south with branches east to MH-3D3-13 and north to MH-3D3-8. This manhole also serves as a low point for traps and accommodates thermal expansion from the north in the steam and condensate systems. This is the western portion of a joint manhole with MH-3D3-13. This manhole is very hot. There are no base anchors on any of the expansion joints and the 6" 70S anchor has failed.
Piping:	6" 70S XJ is leaking steam on its north side.
Exp. Joints:	There are three packed, slip joints with no base anchors. The 6" 70S XJ is leaking on north side. Anchor plate on 6" 70S XJ has heaved off concrete base. XJs look very compressed with not much room for expansion. Anchor failure in adjacent manhole.

UTILITIES INFRASTRUCTURE ASSESSMENT



RMF Engineering
Reliability. Efficiency. Integrity.

Issue Date:
3/12/2018

Mechanical Manhole:
MH-3D3-9

