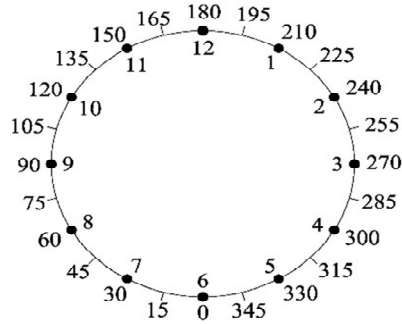




ALUMINIZED STEEL TYPE 2 SITE VISIT REPORT

DATE OF VISIT: 7/13/2023
 SITE ADDRESS: 1400 SPRINGSIDE CT (HIGHPOINT RD), SNELLVILLE -OUTLET END
 PEOPLE PRESENT: Mark McCord
 ESTIMATE SERVICE YEARS OF PIPE: 40

DATA



OVERALL STEEL THICKNESS (MEASURED IN INCHES WITH ULTRASONIC THICKNESS GAUGE)

CROWN OF PIPE (12 O'CLOCK) , 5 MEASUREMENTS IN INCHES				
<u>READING 1</u>	<u>READING 2</u>	<u>READING 3</u>	<u>READING 4</u>	<u>READING 5</u>
0.054	0.056	0.059	0.056	0.055
MEAN THICKNESS:	0.056		MEDIAN THICKNESS:	0.056

INVERT OF PIPE (6 O'CLOCK) , 5 MEASUREMENTS IN INCHES				
<u>READING 1</u>	<u>READING 2</u>	<u>READING 3</u>	<u>READING 4</u>	<u>READING 5</u>
0.057	0.059	0.055	0.058	0.056
MEAN THICKNESS:	0.057		MEDIAN THICKNESS:	0.057

GAUGE/ SUBSTRATE THICKNESS BASED ON MEASUREMENTS: 16 GAUGE 0.0575

<u>PIPE THICKNESS ANALYSIS</u>			
PERCENT DIFFERENCE:	-1.79%	PERCENT DIFFERENCE:	-1.79%

ALUMINUM COATING THICKNESS (MEASURED IN MICRONS WITH COATING THICKNESS GAUGE)

CROWN OF PIPE (12 O'CLOCK) , 5 MEASUREMENTS IN MICRONS				
<u>READING 1</u>	<u>READING 2</u>	<u>READING 3</u>	<u>READING 4</u>	<u>READING 5</u>
41	44	43	36	49
MEAN THICKNESS:	42.6		MEDIAN THICKNESS:	43

INVERT OF PIPE (6 O'CLOCK) , 5 MEASUREMENTS IN MICRONS				
<u>READING 1</u>	<u>READING 2</u>	<u>READING 3</u>	<u>READING 4</u>	<u>READING 5</u>
29	30	41	37	37
MEAN THICKNESS:	34.8		MEDIAN THICKNESS:	37

<u>PIPE THICKNESS ANALYSIS</u>			
	<u>BY MEAN</u>		<u>BY MEDIAN</u>
PERCENT LOSS:	18.31%	PERCENT LOSS:	13.95%
TOTAL EXPECTED SERVICE LIFE OF FREE ALUMINUM COATING*	218.46		286.67

*DOES NOT TAKE INTO ACCOUNT ALUMINUM ALLOY LAYER OR STEEL SUBSTRATE



DATE OF VIST: 7/13/2023

SITE ADDRESS: 1400 SPRINGSIDE CT (HIGHPOINT RD), SNELLVILLE -OUTLET END

REPORT NOTES

Pipe is a slow moving live stream system that has been studied several times in the last couple decades, by GDOT and Gwinnett county. Coupons were pulled from the pipe in the 90's and in 2013.

PIPE SIZE	54"
ESTIMATED PIPE SLOPE	1.50%
ESTIMATED FLOW SPEED	