SOUTHEAST CULVERT

ALUMINIZED STEEL TYPE 2 SITE VISIT REPORT

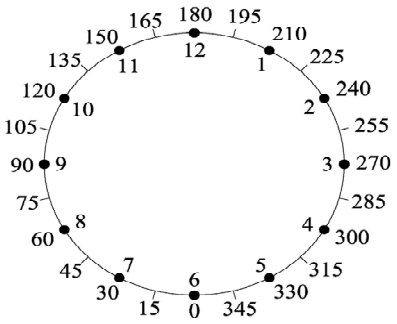
DATE OF VISIT: 10/8/2015

SITE ADDRESS: 2055 DEANS LANDING DR, LAWRENCEVILLE

PEOPLE PRESENT: TIM KITTS AND TRAVIS OWEN, SOUTHEAST CULVERT

ESTIMATE SERVICE YEARS OF PIPE: 20

DATA



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

CROWN OF PIPE (12 O'CLOCK) , 5 MEASUREMENTS IN INCHES

READING 1	READING 2	READING 3	READING 4	READING 5
0.062	0.06	0.065	0.062	0.061
MEAN THICKNESS:	**0.062**		**MEDIAN THICKNESS:**	**0.062**

INVERT OF PIPE (6 O'CLOCK) , 5 MEASUREMENTS IN INCHES

READING 1	READING 2	READING 3	READING 4	READING 5
0.062	0.064	0.064	0.062	0.061
MEAN THICKNESS:	**0.0626**		**MEDIAN THICKNESS:**	**0.062**

GAUGE/ SUBSTRATE THICKNESS BASED ON MEASUREMENTS: 16 GAUGE 0.0575

PIPE THICKNESS ANALYSIS

PERCENT DIFFRENCE: **-0.97%** **PERCENT DIFFRENCE:** **0.00%**

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

CROWN OF PIPE (12 O'CLOCK) , 5 MEASUREMENTS IN INCHES

READING 1	READING 2	READING 3	READING 4	READING 5
45	49	40	42	45
MEAN THICKNESS:	**44.2**		**MEDIAN THICKNESS:**	**45**

INVERT OF PIPE (6 O'CLOCK) , 5 MEASUREMENTS IN INCHES

READING 1	READING 2	READING 3	READING 4	READING 5
44	45	43	44	43
MEAN THICKNESS:	**43.8**		**MEDIAN THICKNESS:**	**44**

PIPE THICKNESS ANALYSIS

	BY MEAN		BY MEDIAN
PERCENT LOSS:	**0.90%**	**PERCENT LOSS:**	**2.22%**
ESTIMATED YEARS REMAINING OF ALUMINUM COATING:	**2210.00**		**900.00**
EXPECTED TOTAL SERVICE LIFE:	**2297.65**		**987.65**

(YEARS OF SERVICE TO DATE + EXPECTED YEARS OF COATING REMAINING + 0.85 MIL/YEAR FOR THE STEEL SUBSTRATE)

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REPORT NOTES

The pipe was measured at a headwall outlet receiving water from residential storm drain.

PIPE SIZE	30"
ESTIMATED PIPE SLOPE	
ESTIMATED FLOW SPEED	

Soil Data (from 2013 inspection)

pH	6.1
Resistivity	4780
Chlorides	28 ppm
Sulfates	12 ppm