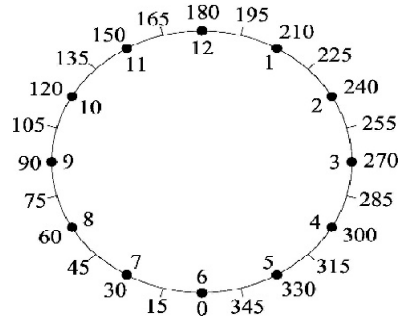


ALUMINIZED STEEL TYPE 2 SITE VISIT REPORT

DATE OF VISIT: 10/8/2015
 SITE ADDRESS: 850 Spring Forest Dr , LAWRENCEVILLE
 PEOPLE PRESENT: TIM KITTS AND TRAVIS OWEN, SOUTHEAST CULVERT
 ESTIMATE SERVICE YEARS OF PIPE: 28

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>
0.062	0.062	0.064	0.063	0.064
MEAN THICKNESS: 0.063		MEDIAN THICKNESS: 0.063		

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>
0.06	0.065	0.061	0.061	0.064
MEAN THICKNESS: 0.0622		MEDIAN THICKNESS: 0.061		
GAUGE/ SUBSTRATE THICKNESS BASED ON MEASUREMENTS:			16 GAUGE	0.0575

PIPE THICKNESS ANALYSIS			
PERCENT DIFFERENCE:	1.27%	PERCENT DIFFERENCE:	3.17%

ALUMINUM COATING THICKNESS (MEASURED IN MICRONS WITH COATING 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>
46	42	52	42	49
MEAN THICKNESS: 46.2		MEDIAN THICKNESS: 46		

INVERT OF PIPE *RUSTED* - *READINGS TAKEN AT 8 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>
41	43	45	49	44
MEAN THICKNESS: 44.4		MEDIAN THICKNESS: 44		

PIPE THICKNESS ANALYSIS			
	<u>BY MEAN</u>		<u>BY MEDIAN</u>
PERCENT LOSS:	3.90%	PERCENT LOSS:	4.35%
ESTIMATED YEARS REMAINING OF ALUMINUM COATING:	691		616
EXPECTED TOTAL SERVICE LIFE:	<u>786</u>		<u>712</u>
(YEARS OF SERVICE TO DATE + EXPECTED YEARS OF COATING REMAINING + 0.85 MIL/YEAR FOR THE STEEL SUBSTRATE)			



DATE OF VIST: 10/8/2015
SITE ADDRESS: 850 Spring Forest Dr , LAWRENCEVILLE

REPORT NOTES

Pipe is on a heavy slope from the street down to a creek. The headwall at the outlet to the creek has come loose from the pipe and has been pushed back several feet. The galvanized stub poured into the headwall is completely gone at the invert. The mainline pipe is rusted at the invert and has several crack size perforations on top of the corrugations at the invert.

PIPE SIZE	18"
ESTIMATED PIPE SLOPE	
ESTIMATED FLOW SPEED	