

**VERMONT GAS SYSTEMS, INC.
TRANSMISSION LINE EXPOSURE REPORT**

Date: 7/30/2019		Pipe Exposure: Excavation <input checked="" type="checkbox"/> Erosion <input type="checkbox"/> Landslide <input type="checkbox"/>		Photos taken Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
Location: Excavation Site 1 - Breezy Valley Storage			Length Unsupported Pipe: 4'		
Dig safe Ticket Number 20192913534		Pipe Diameter: 12"		Wall Thickness: 0.312"	
Municipality/Town: St. George		VGS facilities marked: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		As-Built Station No 823+09	
Pipeline As-Built Sheet: 31 of 83		High Consequence Area: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		HCA segment number: N/A	
CP Pipe to Soil Reading: -1.295 v		Coating Type: Pritec/Wax Tape		Pipe Depth: 4'2"	
Coating Condition: - Bonded <input checked="" type="checkbox"/> Slight Disbondment <input type="checkbox"/> Disbonded <input type="checkbox"/>				Coating Replaced: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
Type Replacement Coating: Denso Densyl Wax Tape			Replacement Coating Length: 18"		
Erosion length: N/A		Erosion Depth: N/A		Erosion Location: N/A	
Exposed bare pipe: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		Pitting: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		Pitting mapping: <small>Laser Scan of Anomaly</small> UT Gauge: 0.310" min.	
Soil: Sand <input type="checkbox"/> Clay <input checked="" type="checkbox"/> Loam <input type="checkbox"/> Cinders <input type="checkbox"/> Refuse <input type="checkbox"/> Rock <input type="checkbox"/>			Soil Packing: Loose <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Hard <input type="checkbox"/>		
Soil Sample Taken: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>			Soil Moisture Content: Dry <input type="checkbox"/> Damp <input checked="" type="checkbox"/> Wet <input type="checkbox"/>		
Foreign Pipe crossing: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		Foreign Pipe crossing clearance: N/A		Foreign pipe crossing ties taken: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
<p>Comments:</p> <ul style="list-style-type: none"> -Excavated for inspection on Wednesday, July 24, 2019. -Mears conducted coating inspection on Monday, July 29, 2019. -Mears returned on July 30, 2019 to continue with the inspections. -VGS removed coating and sand-blasted pipe. -Mears conducted UT gauge w.t. readings at 12 clock positions around the pipe. Found minimum thickness at 0.310". -Mears conducted laser scan of found anomaly. -Laser scan indicated a maximum anomaly depth of 0.029". -See Mears Report for more information. 					

Clock: 389

VGS Employee: M. Lawliss

Supervisor/Manager Initials: AG Date: 8/16/2019

VERMONT GAS SYSTEMS, INC.
TRANSMISSION LINE EXPOSURE REPORT
SUPPLEMENTAL FOR ASSESSMENT EXCAVATIONS

Date: 7/30/2019	Location: Excavation Site 1 - Breezy Valley Storage	Town: St. George
Project/Work Plan Date: 07/30/2019	Revision #: 0	Pipe Diameter: 12"
Length of Pipe Exposed & Inspected: Exposed 4' of Pipe, Removed Approx. 18" of Coating		
Pipe Condition: Good. Found Pritec coating (on pipe), Canusa shrink wrap (on weld), and wax tape over previous coating removal all in good shape.		
Jeeping Results: Good. Jeeped at 7000v, no coating anomalies found.		
Trench and Backfill Conditions (described area around pipe, note presence of rocks, sandbags, rockshield, etc.): Found clean, rock-free clay. Sand Bags under weld.		
Indication/Anomaly Found:	Wall Loss <input checked="" type="checkbox"/>	Dent <input type="checkbox"/>
	Manufacturing Anomaly <input type="checkbox"/>	Other: _____
	Ovality <input type="checkbox"/>	Weld Anomaly <input type="checkbox"/>
		N/A <input type="checkbox"/>
Dimension of Indication/Anomaly (if found):	Length = 0.768"	Width = 0.885"
		Depth = 0.029"
Repair Made: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Length of Repair: <u>N/A</u>	
Repair Type (i.e. Clock Spring, Weld Sleeve, etc.): <u>N/A</u>		
Repair Notes: Anomaly was a smooth grind repair. See photos.		
ADDITIONAL COMMENTS: Used laser scanning mapping to measure anomaly LxWxD. The maximum depth of anomaly of 0.029" equates to 9.4% wall reduction.		

*** Please fill out form completely. If information is unavailable, fill in "N/A".**

**** Take pictures of the indication if found, trench conditions, and any repairs made.**

Clock: 389

VGS Employee: Matt Lawliss

Supervisor/Manager Initials: AG Date: 8/16/2019

BEGIN EXCAVATION



V65
WK: 82477.78
D16 1

EXISTING
COATING



07/29/2019

V65
W.L.: 82477.78
D16 1

EXISTING
COATING
9:00
A

07/29/2019

V65
WC: 82477.78
D16-1

MEDIA BLASTED
PIPE

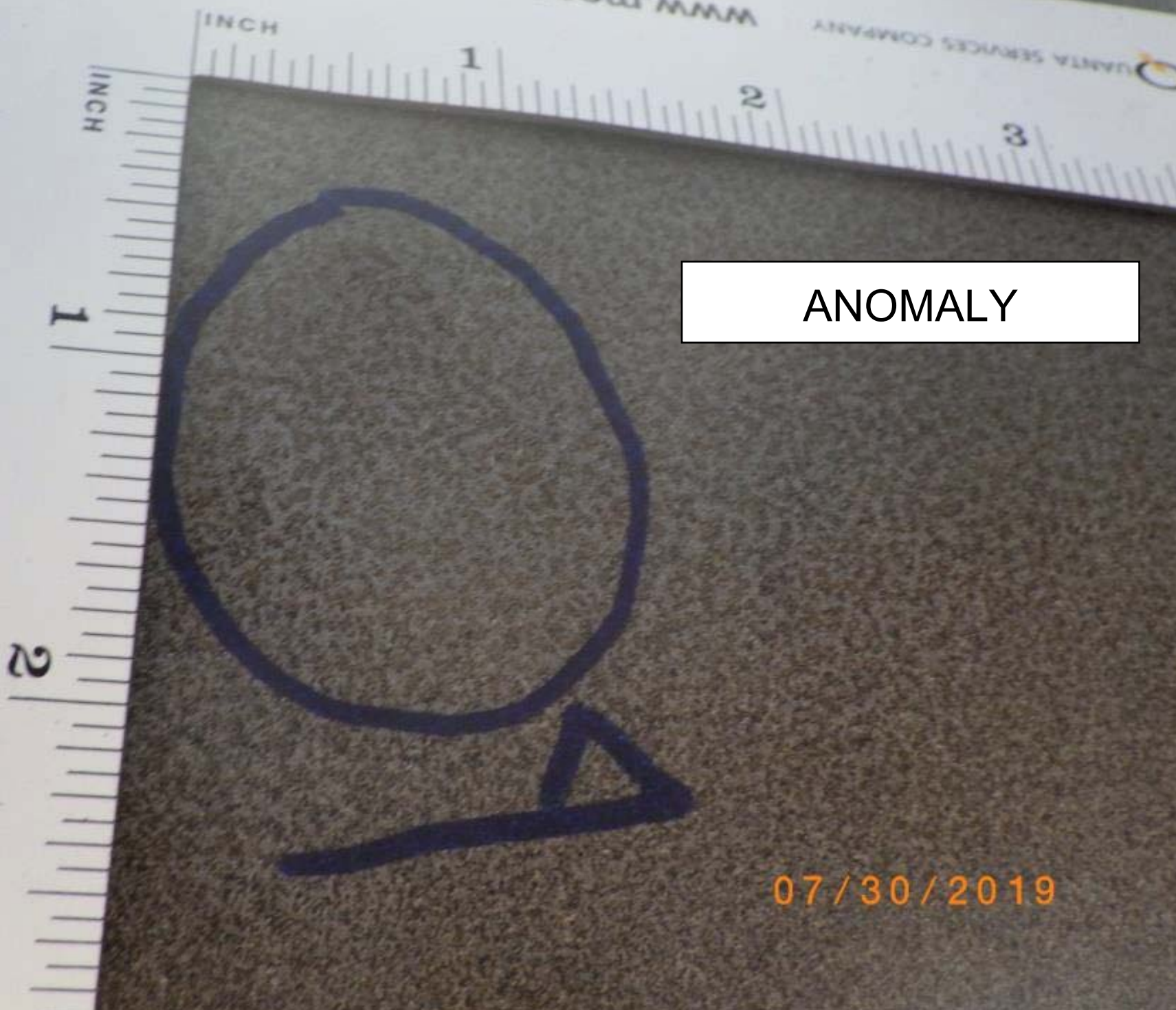
9:00

A

07/29/2018

ANOMALY

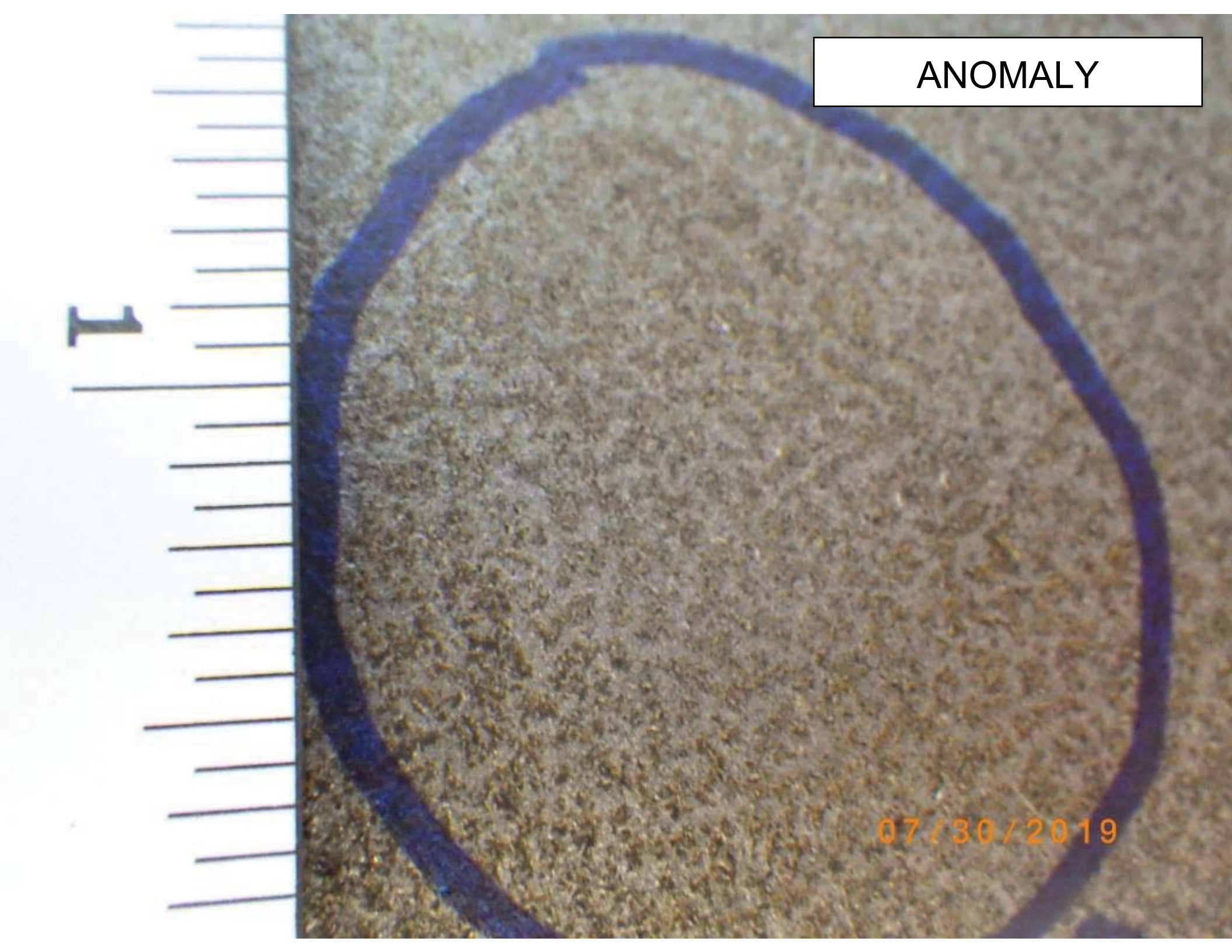
07/30/2019



ANOMALY

1

07/30/2019



ANOMALY

07/30/2019



LASER SCAN

DEPTH OF COVER



FINAL COATING



BACKFILL

