BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS

In the Matter of the Application of Kansas Gas Service Company, a Division of ONE Gas, Inc., Regarding the filing of its Plan for the Replacement of Obsolete Materials in Populated Areas.	)))))	Docket No. 18-KGSG-317-CPL

COMPLIANCE FILING OF KANSAS GAS SERVICE

Kansas Gas Service, a Division of ONE Gas, Inc. ("Kansas Gas Service" or the "Company"), in accordance with the December 19, 2018, memorandum filed by the Staff of the State Corporation Commission of the State of Kansas ("Staff" and "Commission," respectively) in Docket No. 15-GIMG-343-GIG, respectfully reports progress made during the preceding year on Kansas Gas Service's accelerated plan to replace obsolete pipe in populated areas. In support thereof, the Company states the following to the Commission:

1. On April 24, 2018, Kansas Gas Service filed its Compliance Filing for Replacement of Obsolete Materials in Populated Areas ("Plan"). Within the Plan, Kansas Gas Service indicated it would begin working its Plan in 2019.

2. On December 19, 2018, Staff filed a memorandum in Docket No. 15-GIMG-343-GIG making recommendations for the monitoring of various issues raised in the docket, including the monitoring of plans for the accelerated replacement of obsolete pipe. Among its recommendations, Staff recommended an annual compliance report be filed by March 31: detailing progress made in the preceding year on accelerated replacement plans, explaining any deviations from initial projections or from the previous year's projections, and revising remaining plan projections.[1] Staff also recommended utilities update Tables LMH-1 and LMH-2, and provide a

[1] *See* Docket No. 15-GIMG-343-GIG, Notice of Filing Staff Memorandum, p. 8 (December 19, 2018).

discussion on the progress toward adopting/implementing a Pipeline Safety Management System ("PSMS").

3. While the Commission has not yet issued an order on Staff's recommendation, Kansas Gas Service is documenting its progress in accordance with the recommendations set out in Staff's memorandum. At this time, Kansas Gas Service is keeping progress for the Fort Riley project separate from progress on its legacy system.

4. Kansas Gas Service implemented its plan in January 2019. The attachments to this filing provide an update on the Company's progress made during 2024 and include information regarding any deviations from the Company's initial Plan or deviations from revised projections. Additionally, Kansas Gas Service is providing an update to the information in Tables LMH-1 and LMH-2, and a discussion of the Company's progress toward adopting a PSMS.

5. Included in this compliance filing, Kansas Gas Service respectfully reports its mileage of mains by type and by community, as well as leak information, as ordered by the Commission in Docket No. 15-GIMG-343-GIG. In addition, Kansas Gas Service confirms on February 28, 2025, it filed a report in this docket on lost and unaccounted for gas (by community) as ordered by the Commission in Docket No. 15-GIMG-343-GIG.

6. Should Staff so desire, Kansas Gas Service will arrange to meet with Staff after making its 2025 Gas System Reliability Surcharge ("GSRS") filing to further discuss the progress made toward the completion of the Plan.

WHEREFORE, Kansas Gas Service prays the Commission accept this compliance filing and for such other relief as the Commission may deem just and reasonable.

Respectfully submitted,

/s/ Robert Elliott Vincent
Robert Elliott Vincent, KS Bar #26028
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Kansas Gas Service
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VERIFICATION

STATE OF KANSAS)
) **ss:**
COUNTY OF JOHNSON)

The undersigned, upon oath first duly sworn, states that he is the Managing Attorney for Kansas Gas Service, a division of ONE Gas, Inc., that he has read the foregoing *Compliance Filing*, that he is familiar with the contents thereof, and that the statements contained therein are true and correct to the best of his knowledge and belief.

Robert Elliott Vincent

Subscribed and sworn to before me this 27th day of March, 2025.

Notary Public

My Appointment Expires: 6/5/26

STEPHANIE FLEMING
My Appointment Expires
June 5, 2026

Plan Update

Kansas Gas Service, a division of ONE Gas, Inc., ("KGS" or "Company") began its systematic accelerated replacement plan in January 2019 and expects to replace all cast iron mains, bare steel service lines and bare steel mains located in populated areas within 35 years of the plan's commencement date. Specifically, KGS's plan indicated that all remaining cast iron mains would be replaced by 2019; all bare steel service lines in populated areas would be replaced by the end of 2024; the majority of unprotected bare steel mains in populated areas would be replaced by the end of 2028 and all replaced by 2053; and all protected bare steel mains in populated areas would be replaced by the end of 2053. In 2024, KGS planned to replace 7,500 service lines, 20 miles of unprotected bare steel mains and 13 miles of protected bare steel mains. Actual replacements in 2024 are discussed below.

As a result of the Company's systematic accelerated replacement plan, KGS has accelerated the replacement footage of problematic pipe. In 2019, KGS completed the replacement of cast iron mains as planned. All known cast iron mains have been removed from the Company's system. In 2024, 5,726 bare steel service lines were replaced, completing the removal of all residential bare steel service lines. Additionally, KGS replaced 20 miles of unprotected bare steel mains. Finally, KGS replaced 13 miles of protected bare steel mains in 2024.. KGS remains on target to complete the replacement of protected bare steel mains by 2053.

Since assuming responsibility for operation of the distribution system serving Fort Riley in 2021, Kansas Gas Service acquired an additional 6 miles of unprotected bare steel main and 11 miles of unprotected coated steel. These footages are excluded from this report. Kansas Gas Service is finalizing a separate replacement plan with Ft. Riley for the accelerated replacement of this pipe.

Last year, KGS submitted a revision to the Final Plan for Replacement of Obsolete Materials in Populated Areas. KGS extended the Plan out to 2035 with regard to nonresidential bare steel service lines due to the complexity and costs to the customers when replacing those service lines. Additional adjustments have been made to the rate of replacement of unprotected and protected bare steel mains. The revised Final Plan was filed as part of the Compliance filing on April 1, 2024 and was included as part of Appendix A in that filing. No additional changes have been made at this time.

LMH-1 and LMH-2 Update

See below for the update to exhibits LMH-1 and LMH-2 as requested in the memorandum filed by KCC Staff on December 19, 2018.

LMH-1

Number of Urban Areas	348
Miles bare steel main (1)	1,068
Planned (miles/yr.) Replacement Rate	15-26
Number bare steel service lines [1]	1,610
Planned svc (line/yr.) Replacement Rate[2]	178
Miles of cast iron mains	0
Years to completion	29
CY2024 underground leaks per 100 miles obsolete piping	27.7
Total project cost, current $	$1,760 million

[1] As of 3/1/2025
[2] Non-residential bare steel service lines

LMH-2

Main Replacement Estimate ($/mile)	$500,000
Service Line Replacement Estimate ($/ea.)	$2,611
2024 CAPEX for safety for distribution system	$57,059,261
Miles undesirable pipe replaced	86
Average costs of replacing undesirable pipe ($/mile-equivalent) in GSRS filing Docket 24-KGSG-215-TAR	$523,760

Pipeline Safety Management System (PSMS) Implementation Update

Kansas Gas Service (KGS) has been actively working to implement the American Petroleum Institute's (API) Recommended Practice (RP) 1173: Pipeline Safety Management System (PSMS) since 2016. Additionally, on May 20th, 2019, the American Gas Association (AGA) board asked member companies to commit to implementing PSMS within 3 years KGS was an early and enthusiastic supporter of this industry-wide commitment.

Following this commitment, the organization further evaluated our safety management system program and made enhancements to better align processes with the recommended practice as previously reported. This included framework development, implementation of O-Net for non-emergency safety reporting and a safety culture survey. In 2022, KGS completed its implementation of PSMS now branded as the ONE Gas Safety Management System (OSMS). Consistent with the spirit of PSMS, we continue to execute the OSMS, work with contractors on integrating PSMS principles, evaluate maturity and make improvements as needed.

Below is Kansas Gas Service's submission reporting miles of facilities by material type and location. The information is provided in the format prescribed by Staff and reflects data as of March 1, 2025. The Company also provides the leak information as of December 31, 2024. Footage pertaining to the acquisition of Fort Riley has been excluded from the data below.

Miles of Main by Location			
	Urban	Rural	Total
Protected Coated	2,400	1,406	3,806
Protected bare	954	689	1,643
Unprotected Coated	6	2	8
Unprotected Bare	110	32	142
Cast Iron	0	0	0
PVC	1	134	135
PE	3,279	1,363	4,642
Aldyl-A & Marlex	1,072	446	1,518
Other	0	0	0
Total	7,822	4,072	11,894

Number of Services by Location			
	Urban	Rural	Total
Protected Coated	4,641	2,597	7,238
Protected Bare	175	106	281
Unprotected Coated	354	169	523
Unprotected Bare	707	622	1,329
Cast Iron	0	0	0
PVC	0	122	122
PE	406,572	111,495	518,067
Aldyl-A & Marlex	101,646	12,458	114,104
Other	0	0	0
Total	514,095	127,569	641,664

Leaks Found During Inspection Year by Leak Classification				
	Class 1	Class 2	Class 3	Total
# of Leaks Found	1,178	128	496	1,802
# of Leaks Repaired	1,188	120	573	1,881
# of Current Leaks	5	10	372	387

Note:

The differentiation between the urban and rural areas for this report is determined using a population density of 360 people per square mile based on census data. This delineation was derived after a review of Census Blocks at metropolitan interfaces between populated and rural areas and is subject to additional review and potential adjustment by subject matter experts. Because many of the small communities served by Kansas Gas Service have low population densities, they are likely within the rural location type. Kansas Gas Service will continue to refine this report as system improvements are made.

			MATERIALS SECTION							INSTALLATION AND OPERATIONS SECTION							
Line Number	Month Reported	WO Number	TYPE OF MATERIAL	(DESCRIBE IF OTHER)	DATE OF MANUFACTURE	MANUFACTURER	PRINT LINE or LABEL	SDR,DR, SCHEDULE or WALL THICKNESS	NOMINAL SIZE	METHOD OF INSTALLATION (Open Trench, Bored, Plowed In, Insertion, Joint Trench, Planted, Unknown, Other - describe, Direct Bury)	Description of Other Method of Installation	TYPE OF SOIL IN CONTACT WITH PIPE (Sand, Loam, Clay, Rocky, Slurry, Other - describe)	Description of Other Type of Soil	OPERATING PRESSURE AT TIME OF FAILURE (psig)	OPERATING PRESSURE NORMAL RANGE MINIMUM (if known) (psig)	OPERATING PRESSURE NORMAL RANGE MAXIMUM (if known) (psig)	DATE OF INSTALLATION
1	January	2024-1000147308	NYLON			AMPFit			2.000	OPEN TRENCH				18.0			3/20/1972
2	January	2024-1000154135	NYLON			AMPFit			2.000	OPEN TRENCH				15.0			10/8/1979
3	January	2024-1000065830	NYLON			AMPFit			0.625	OPEN TRENCH				14.0			11/12/1980
4	January	2024-1000148821	NYLON			AMPFit			0.750	OPEN TRENCH				18.0			07/23/1981
5	January	2024-1000162477	NYLON			AMPFit			0.750	OPEN TRENCH				48.0			5/6/1982
6	January	2024-1000091959	NYLON			AMPFit			2.000	OPEN TRENCH				15.0			9/13/1982
7	January	2024-1000125888	HDPE - 3306						0.750	OPEN TRENCH				5.0			3/25/1974
8	January	2023-1001492387	MDPE - 2406						0.750	OPEN TRENCH				48.0			03/17/1993
9	January	2024-1000219638	MDPE - 2406						0.750	OPEN TRENCH				45.0			10/12/2000
10	January	2024-1000079602	MDPE - 2406						1.000	OPEN TRENCH		LOAM		0.8			11/14/1989
11	January	2024-1000163118	MDPE - 2406						0.750	OPEN TRENCH		CLAY		5.0			05/31/1997
12	January	2024-1000169225	MDPE - 2406			Driscopipe			0.750	OPEN TRENCH		CLAY		45.0			10/19/1998
13	January	2023-1000837439	MDPE - 2406						0.750	OPEN TRENCH				18.0			11/24/2008
14	January	2024-1000152530	MDPE - 2406						0.750	OPEN TRENCH				1.0			12/12/2012
15	January	2024-1000088757	MDPE - 2406			Performance Pipe			0.750	OPEN TRENCH				12.0			10/31/2023
16	February	2022-1000149713	NYLON			AMPFit			2.000	OPEN TRENCH		SAND		14.0			11/8/1978
17	February	2022-1000474341	NYLON			AMPFit			0.750	OPEN TRENCH		CLAY		39.0			4/6/1982
18	February	2023-1001373122	NYLON			AMPFit			0.875	OPEN TRENCH		CLAY		18.0			9/21/1982
19	February	2024-1000380758	NYLON			AMPFit			0.500	OPEN TRENCH				13.0			9/29/1980
20	February	2024-1000385562	MDPE - 2406			Polypipe			0.750	OPEN TRENCH		CLAY		45.0			1/30/2024
21	February	2024-1000377268	MDPE - 2406						0.750	OPEN TRENCH				18.0			7/18/1996
22	February	2021-1001442025	MDPE - 2306						1.250	OPEN TRENCH		CLAY		45.0			1/22/1979
23	February	2021-1001550971	MDPE - 2306						1.250	OPEN TRENCH				58.0			12/31/1984
24	February	2024-1000409369	MDPE - 2406						0.750	OPEN TRENCH		SAND		48.0			1/2/2000
25	February	2021-1001524860	MDPE - 2406						1.250	OPEN TRENCH		CLAY		15.0			10/5/1993
26	February	2024-1000304073	MDPE - 2406			Driscopipe			0.750	OPEN TRENCH		CLAY		18.0			2/16/2015
27	March	2022-1001179929	MDPE - 2406						0.875	OPEN TRENCH				12.0			6/20/1989
28	March	2024-1000583866	MDPE - 2406						0.750	OPEN TRENCH		CLAY		35.0			10/19/2009
29	March	2022-1000716234	NYLON	Brass		AMPFit			2.000	OPEN TRENCH		CLAY		15.0			5/3/1979
30	March	2022-1000787229	NYLON			AMPFit			2.000	OPEN TRENCH		CALICHE		25.0			8/28/1979
31	March	2022-1000807165	NYLON			AMPFit			0.750	OPEN TRENCH		CLAY		45.0			10/5/1979
32	March	2023-1001581753	NYLON			AMPFit			0.500	OPEN TRENCH				18.0			11/2/1979
33	March	2022-1000789386	NYLON			AMPFit			2.000	OPEN TRENCH		CLAY		45.0			12/7/1979
34	March	2023-1001381047	MDPE - 2306						0.625	OPEN TRENCH		CLAY		19.0			10/23/1974
35	March	2024-1000304007	HDPE - 3406						0.750	OPEN TRENCH		LOAM		18.0			2/25/1986
36	March	2022-1000545385	MDPE - 2406						0.750	OPEN TRENCH		CLAY		15.0			10/22/2008
37	March	2023-1001133548	HDPE- 3408						2.000	OPEN TRENCH		CLAY		45.0			1/21/2018
38	March	2023-1001503530	MDPE - 2306						0.750	OPEN TRENCH		LOAM		32.0			9/13/1987
39	March	2022-1000613823	MDPE - 2406			Polypipe			0.750	OPEN TRENCH				15.0			5/4/2015
40	March	2024-1000588450	PVC						1.250	OPEN TRENCH		LOAM		50.0			12/31/1973
41	April	2024-1000171517	NYLON			AMPFit			0.750	OPEN TRENCH		CLAY		34.0			8/3/1979
42	April	2022-1000976409	NYLON			AMPFit			2.000	OPEN TRENCH		CLAY		20.0			11/7/1980
43	April	2023-1001419555	NYLON			AMPFit			2.000	OPEN TRENCH				18.0			8/2/1981
44	April	2024-1000741079	OTHER (Describe)	Steel					0.750	OPEN TRENCH		LOAM		25.0			3/24/1985
45	April	2024-1000411669	OTHER (Describe)	Steel					0.750	OPEN TRENCH		LOAM		35.0			8/25/1998
46	April	2024-1000696782	MDPE - 2306						0.750	OPEN TRENCH		LOAM		6.0			9/19/1976
47	April	2023-1000487634	MDPE - 2406						0.750	OPEN TRENCH				45.0			9/18/1997
48	April	2024-1000744906	MDPE - 2406						0.750	OPEN TRENCH		CLAY		48.0			4/5/1998
49	April	2024-1000278004	MDPE - 2306						0.750	OPEN TRENCH		LOAM		35.0			9/18/1989
50	April	2024-1000653890	MDPE - 2406						0.750	OPEN TRENCH		LOAM		18.0			8/10/2010
51	April	2024-1000648360	MDPE - 2406						0.750	OPEN TRENCH		LOAM		18.0			9/15/2010

Line Number	FAILURE ANALYSIS SECTION								
	FAILURE LOCATION (Pipe, Fitting or Joint)	FAILURE IN FITTING (Transition, Valve, Meter Riser, Mechanical Fitting, Heat Fusion Fitting, Electrofusion Fitting, Other - describe)	Description of Other Fitting Type	FAILURE IN JOINT (Mechanical, Electrofusion, Butt Fusion, Socket Fusion, Saddle Fusion, Solvent, Other - describe)	Description of Other Joint Type	FAILURE CAUSE (Squeeze Off, Point Loading, Excessive Expansion/Contraction, Excessive External Earth Loading, Installation Error, Previous Impact, Unknown, Unknown - not excavated - abandoned, Unknown - not excavated - replaced, Material Defect - describe, Other - describe)	ADDITIONAL FAILURE CAUSE (Squeeze Off, Point Loading, Excessive Expansion/Contraction, Excessive External Earth Loading, Installation Error, Previous Impact, Unknown, Unknown - not excavated - abandoned, Unknown - not excavated - replaced, Material Defect - describe, Other - describe)	Description of Material Defect or Other Failure Cause	DATE OF FAILURE
1	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	1/22/2024
2	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	1/23/2024
3	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	1/8/2024
4	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	1/22/2024
5	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	1/25/2024
6	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	1/25/2024
7	FITTING	OTHER (Describe)	Riser			INSTALLATION ERROR	Installation Error	Improper Backfill	1/17/2024
8	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		1/2/2024
9	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		1/31/2024
10	JOINT			BUTT FUSION		INSTALLATION ERROR	Installation Error		1/10/2024
11	PIPE					INSTALLATION ERROR	Installation Error		1/25/2024
12	PIPE					INSTALLATION ERROR	Installation Error	No sleeve installed	1/26/2024
13	PIPE					INSTALLATION ERROR	Installation Error	No sleeve installed	1/2/2024
14	PIPE					INSTALLATION ERROR	Installation Error	Improper Backfill	1/23/24
15	PIPE					INSTALLATION ERROR	Installation Error	No sleeve installed	1/11/24
16	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle			MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	2/21/24
17	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle			MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	2/19/24
18	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle			MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	2/28/2024
19	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle			MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	2/22/2024
20	FITTING	OTHER (Describe)	Flex Riser			MATERIAL DEFECT (Describe)	Material Defect - describe		2/23/2024
21	FITTING	THREADED CAP				THREADED CAP (Cracked Cap)	Installation Error		2/22/2024
22	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		2/13/2024
23	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		2/21/2024
24	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		2/28/2024
25	FITTING	THREADED CAP				THREADED CAP (Seal/O-ring defect)	Installation Error		2/26/2024
26	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	3/8/2023
27	FITTING	HEAT FUSION FITTING		INSTALLATION ERROR		Installation Error			3/5/2024
28	FITTING	TRANSITION		INSTALLATION ERROR		Installation Error			3/25/2024
29	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle	MATERIAL DEFECT (Describe)		Material Defect - describe	Amp Saddle		3/25/2024
30	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle Fitting	MATERIAL DEFECT (Describe)		Material Defect - describe	Amp Saddle		3/11/2024
31	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle	MATERIAL DEFECT (Describe)		Material Defect - describe	Amp Saddle		3/27/2024
32	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle	MATERIAL DEFECT (Describe)		Material Defect - describe	Amp Saddle		3/25/2024
33	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle	MATERIAL DEFECT (Describe)		Material Defect - describe	Amp Saddle		3/29/2024
34	FITTING	THREADED CAP		THREADED CAP (Loose cap, not cra		Installation Error			3/18/2024
35	FITTING	THREADED CAP		THREADED CAP (Loose cap, not cra		Installation Error			3/19/2024
36	FITTING	THREADED CAP		THREADED CAP (Loose cap, not cra		Installation Error			3/13/2024
37	FITTING	THREADED CAP		THREADED CAP (Loose cap, not cra		Installation Error			3/19/2024
38	FITTING	THREADED CAP		THREADED CAP (Seal/O-ring defect		Installation Error			3/20/24
39	PIPE			INSTALLATION ERROR		Installation Error	No sleeve installed		3/13/24
40	PIPE			MATERIAL DEFECT (Describe)		Material Defect - describe	PVC		3/26/24
41	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle	SADDLE FUSION		MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	4/9/24
42	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle			MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	4/16/24
43	FITTING	MECHANICAL FITTING (Bolted)	Amp Saddle			MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	4/8/24
44	FITTING	MECHANICAL FITTING (Nut Follower)				MATERIAL DEFECT (Describe)	Material Defect - describe	Mechanical Coupling	4/24/24
45	FITTING	MECHANICAL FITTING (Nut Follower)				MATERIAL DEFECT (Describe)	Material Defect - describe	Mechanical Coupling	4/2/24
46	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		4/15/24
47	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		4/23/24
48	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		4/23/2024
49	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	4/23/2024
50	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	4/8/2024
51	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	4/2/2024

			MATERIALS SECTION							INSTALLATION AND OPERATIONS SECTION							
Line Number	Month Reported	WO Number	TYPE OF MATERIAL	(DESCRIBE IF OTHER)	DATE OF MANUFACTURE	MANUFACTURER	PRINT LINE or LABEL	SDR,DR, SCHEDULE or WALL THICKNESS	NOMINAL SIZE	METHOD OF INSTALLATION (Open Trench, Bored, Plowed In, Insertion, Joint Trench, Planted, Unknown, Other - describe, Direct Bury)	Description of Other Method of Installation	TYPE OF SOIL IN CONTACT WITH PIPE (Sand, Loam, Clay, Rocky, Slurry, Other - describe)	Description of Other Type of Soil	OPERATING PRESSURE AT TIME OF FAILURE (psig)	OPERATING PRESSURE NORMAL RANGE MINIMUM (if known) (psig)	OPERATING PRESSURE NORMAL RANGE MAXIMUM (if known) (psig)	DATE OF INSTALLATION
52	April	2024-1000691107	MDPE - 2406			Driscopipe			0.875	OPEN TRENCH				13.0			3/6/1991
53	April	2024-1000606813	MDPE - 2406			Performance Pipe			0.750	OPEN TRENCH		LOAM		35.0			7/10/2003
54	April	2024-1000564613	MDPE - 2406			Performance Pipe			0.750	OPEN TRENCH				18.0			3/15/2016
55	May	2023-1001934936	NYLON			AMPFit			0.500	OPEN TRENCH		CLAY		18.0			9/29/1980
56	May	2023-1001940618	NYLON			AMPFit			0.500	OPEN TRENCH				48.0			10/17/1979
57	May	2024-1000837444	NYLON			AMPFit			0.500	OPEN TRENCH		LOAM		18.0			10/25/1982
58	May	2024-1000898730	NYLON			AMPFit			0.500	OPEN TRENCH				48.0			9/30/1981
59	May	2022-1000948924	MDPE - 2406						0.875	OPEN TRENCH		CLAY		15.0			12/7/1994
60	May	2022-1000968680	MDPE - 2306						1.000	OPEN TRENCH		CLAY		45.0			10/23/1989
61	May	2023-1000295304	MDPE - 2406						0.750	OPEN TRENCH		CLAY		45.0			10/4/2002
62	May	2024-1000773605	MDPE - 2406						0.875	OPEN TRENCH		CLAY		18.0			10/12/1992
63	May	2024-1000805764	MDPE - 2406						0.750	OPEN TRENCH				6.0			6/15/2020
64	May	2024-1000836465	HDPE - 3406						0.750	OPEN TRENCH				1.0			9/25/1977
65	May	2024-1000825395	MDPE - 2306						2.000	OPEN TRENCH		LOAM		32.0			12/31/1978
66	June	2024-1000924282	NYLON			AMPFit			0.625	OPEN TRENCH				48.0			10/17/1979
67	June	2024-1000900861	NYLON			AMPFit			2.000	OPEN TRENCH				18.0			5/9/1982
68	June	2024-1001037145	NYLON			AMPFit			0.750	OPEN TRENCH				48.0			6/6/1983
69	June	2024-1000974687	MDPE - 2306						0.750	OPEN TRENCH		CLAY		45.0			7/17/1985
70	June	2022-1000987698	MDPE - 2406						0.750	OPEN TRENCH		CLAY		45.0			8/26/1997
71	June	2024-1000966945	MDPE - 2406						2.000	OPEN TRENCH		ROCKY		20.0			7/16/2007
72	June	2024-1000863183	MDPE - 2406						0.750	OPEN TRENCH				18.0			3/17/2008
73	July	2024-1000115874	PLASTICMD			AMPFit			0.500	OPEN TRENCH				18.0			2/9/1982
74	July	2024-1001171622	PLASTICHD			AMPFit			0.750	OPEN TRENCH				15.0			10/21/1985
75	July	2024-1000369218	PLASTICHD						0.750	OPEN TRENCH		CLAY		48.0			7/16/1978
76	July	2022-1000910561	PLASTICHD						0.875	OPEN TRENCH		CLAY		48.0			8/3/1988
77	July	2023-1001712506	PLASTICHD						1.000	OPEN TRENCH		CLAY		1.3			11/25/1996
78	July	2024-1000820546	PLASTICMD						2.000	OPEN TRENCH		ROCKY		45.0			10/22/2000
79	July	2024-1001135574	PLASTICHD						0.750	OPEN TRENCH		CLAY		48.0			12/23/2009
80	July	2022-1001291429	PLASTICM8						2.000	OPEN TRENCH				45.0			8/9/2021
81	July	2022-1001920491	PLASTICHD						0.750	OPEN TRENCH		CLAY		15.0			12/16/1975
82	July	2024-1001162205	PLASTICMD						0.750	OPEN TRENCH				48.0			6/12/1996
83	July	2024-1001078571	PLASTICMD						0.750	OPEN TRENCH		CLAY		54.0			3/27/23
84	July	2024-1001127323	PLASTICMD						0.750	OPEN TRENCH		CLAY		20.0			1/7/89
85	August	2024-1001177282	NYLON			AMPFit			0.750	OPEN TRENCH		CLAY		48.0			5/9/82
86	August	2024-1001223129	MDPE - 2306						2.000	OPEN TRENCH		LOAM		17.0			12/10/72
87	August	2024-1001308756	MDPE - 2306						0.750	OPEN TRENCH				18.0			10/22/86
88	August	2024-1000836552	MDPE - 2406						0.750	OPEN TRENCH		LOAM		45.0			1/24/90
89	August	2024-1001289061	MDPE - 2406						0.750	OPEN TRENCH		CLAY		38.0			5/5/99
90	August	2024-1001341524	MDPE - 2406						0.750	OPEN TRENCH		CLAY		38.0			5/5/99
91	August	2024-1000923799	MDPE - 2406						0.750	OPEN TRENCH		LOAM		36.0			4/7/19
92	August	2024-1000599794	MDPE - 2406						0.750	OPEN TRENCH		CLAY		18.0			3/31/20
93	August	2022-1001434092	MDPE - 2306						0.875	OPEN TRENCH				45.0			2/23/87
94	August	2024-1001398880	MDPE - 2406						0.750	OPEN TRENCH		CLAY		30.0			3/5/2017
95	August	2024-1001323924	MDPE - 2306						0.750	OPEN TRENCH				1.0			10/3/1973
96	August	2024-1000990762	MDPE - 2406						0.750	OPEN TRENCH				13.0			6/14/2021
97	August	2024-1001201127	MDPE - 2406						4.000	OPEN TRENCH		CLAY		50.0			9/20/2023
98	August	2024-1001277474	MDPE - 2406						0.750	OPEN TRENCH		CLAY		30.0			8/20/2000
99	September	2024-1001484604	NYLON			AMPFit			2.000	OPEN TRENCH		CLAY		45.0			2/25/1979
100	September	2024-1001458075	NYLON			AMPFit			2.000	OPEN TRENCH		CLAY		45.0			8/3/1979
101	September	2024-1001447724	OTHER (Describe)	Steel					0.875	OPEN TRENCH		CLAY		15.0			12/28/1980
102	September	2022-1001633252	NYLON			AMPFit			0.750	OPEN TRENCH		CLAY		45.0			6/21/1981

Line Number	FAILURE ANALYSIS SECTION								
	FAILURE LOCATION (Pipe, Fitting or Joint)	FAILURE IN FITTING (Transition, Valve, Meter Riser, Mechanical Fitting, Heat Fusion Fitting, Electrofusion Fitting, Other - describe)	Description of Other Fitting Type	FAILURE IN JOINT (Mechanical, Electrofusion, Butt Fusion, Socket Fusion, Saddle Fusion, Solvent, Other - describe)	Description of Other Joint Type	FAILURE CAUSE (Squeeze Off, Point Loading, Excessive Expansion/Contraction, Excessive External Earth Loading, Installation Error, Previous Impact, Unknown, Unknown - not excavated - abandoned, Unknown - not excavated - replaced, Material Defect - describe, Other - describe)	ADDITIONAL FAILURE CAUSE (Squeeze Off, Point Loading, Excessive Expansion/Contraction, Excessive External Earth Loading, Installation Error, Previous Impact, Unknown, Unknown - not excavated - abandoned, Unknown - not excavated - replaced, Material Defect - describe, Other - describe)	Description of Material Defect or Other Failure Cause	DATE OF FAILURE
52	PIPE					INSTALLATION ERROR	Installation Error	No sleeve installed	4/24/2024
53	PIPE					INSTALLATION ERROR	Installation Error	No sleeve installed	4/4/2024
54	PIPE			SADDLE FUSION		INSTALLATION ERROR	Installation Error	No sleeve installed	4/5/2024
55	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	5/31/2024
56	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	5/28/2024
57	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	5/10/2024
58	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	5/23/2024
59	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		5/22/2024
60	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		5/1/2024
61	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	5/30/2024
62	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	5/29/2024
63	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	5/2/2024
64	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error		5/14/2024
65	JOINT			BUTT FUSION		INSTALLATION ERROR	Installation Error		5/30/2024
66	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	6/11/2024
67	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	6/18/2024
68	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	6/20/2024
69	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		6/5/2024
70	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		6/14/2024
71	FITTING	THREADED CAP				THREADED CAP (Cracked Cap)	Installation Error		6/4/2024
72	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	6/10/2024
73	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	7/31/2024
74	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	7/30/2024
75	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		7/1/2024
76	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		7/19/2024
77	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		7/16/2024
78	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		7/22/2024
79	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		7/11/2024
80	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		7/9/2024
81	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	7/16/2024
82	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	7/17/2024
83	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	7/3/2024
84	JOINT	HEAT FUSION FITTING		SADDLE FUSION		INSTALLATION ERROR	Installation Error		7/8/2024
85	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	8/2/2024
86	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		8/15/2024
87	FITTING	THREADED CAP				THREADED CAP (Cracked Cap)	Installation Error		8/16/2024
88	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		8/1/2024
89	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		8/10/2024
90	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		8/22/2024
91	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		8/6/2024
92	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		8/19/2024
93	FITTING	THREADED CAP				THREADED CAP (Seal/O-ring defect)	Installation Error		8/30/2024
94	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		8/30/2024
95	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error		8/19/2024
96	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	8/2/2024
97	JOINT			BUTT FUSION		INSTALLATION ERROR	Installation Error		7/26/2024
98	PIPE					INSTALLATION ERROR	Installation Error		8/7/2024
99	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	9/23/2024
100	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	9/13/2024
101	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Dresser - Mechanical Failure	9/13/2024
102	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	9/13/2024

			MATERIALS SECTION							INSTALLATION AND OPERATIONS SECTION							
Line Number	Month Reported	WO Number	TYPE OF MATERIAL	(DESCRIBE IF OTHER)	DATE OF MANUFACTURE	MANUFACTURER	PRINT LINE or LABEL	SDR,DR, SCHEDULE or WALL THICKNESS	NOMINAL SIZE	METHOD OF INSTALLATION (Open Trench, Bored, Plowed In, Insertion, Joint Trench, Planted, Unknown, Other - describe, Direct Bury)	Description of Other Method of Installation	TYPE OF SOIL IN CONTACT WITH PIPE (Sand, Loam, Clay, Rocky, Slurry, Other - describe)	Description of Other Type of Soil	OPERATING PRESSURE AT TIME OF FAILURE (psig)	OPERATING PRESSURE NORMAL RANGE MINIMUM (if known) (psig)	OPERATING PRESSURE NORMAL RANGE MAXIMUM (if known) (psig)	DATE OF INSTALLATION
103	September	2024-1001373210	NYLON			AMPFit			2.000	OPEN TRENCH		CLAY		15.0			11/16/1981
104	September	2024-1001494133	NYLON			AMPFit			0.750	OPEN TRENCH				18.0			5/2/1982
105	September	2024-1001497129	MDPE - 2306						0.750	OPEN TRENCH		CLAY		45.0			11/9/1987
106	September	2022-1001189842	MDPE - 2406						0.875	OPEN TRENCH				24.0			10/1/1991
107	September	2023-1000095965	MDPE - 2406						0.750	OPEN TRENCH		CLAY		55.0			5/27/1992
108	September	2024-1001474687	MDPE - 2406						0.750	OPEN TRENCH		CLAY		15.0			5/1/2015
109	September	2024-1001327781	MDPE - 2306						0.750	OPEN TRENCH		CLAY		45.0			8/4/1980
110	September	2024-1001279719	MDPE - 2406						0.750	OPEN TRENCH				12.0			5/1/1994
111	September	2024-1001361550	MDPE - 2406						0.750	OPEN TRENCH				1.0			12/7/2009
112	September	2024-1001440205	MDPE - 2406						0.750	OPEN TRENCH				1.0			7/4/2017
113	September	2024-1001289583	MDPE - 2406						1	OPEN TRENCH		LOAM		24			6/4/2019
114	October	2023-1000098039	NYLON			AMPFit			0.75	OPEN TRENCH		CLAY		15			11/30/1980
115	October	2024-1001591268	MDPE - 2406						0.75	OPEN TRENCH		ROCKY		58			4/21/1991
116	October	2023-1000289487	MDPE - 2306						0.75	OPEN TRENCH				45			4/9/1987
117	October	2023-1000493242	MDPE - 2306						0.75	OPEN TRENCH				40			11/3/1987
118	October	2024-1001544017	MDPE - 2406						1.25	OPEN TRENCH				45			3/24/2002
119	October	2024-1001341432	PVC						2	OPEN TRENCH		SAND		30			8/28/2018
120	October	2023-1001410791	MDPE - 2406						0.75	OPEN TRENCH		CLAY		45			5/5/2013
121	October	2024-1001572132	MDPE - 2406						0.75	OPEN TRENCH		CLAY		3			3/3/2015
122	October	2024-1001574633	MDPE - 2406						0.75	OPEN TRENCH		CLAY		1.5			9/13/2023
123	October	2024-1001564681	HDPE - 3406						2	OPEN TRENCH		CLAY		17			10/16/1980
124	October	2024-1001552373	MDPE - 2306						0.75	OPEN TRENCH		OTHER		15			7/22/1986
125	October	2024-1001646128	MDPE - 2406						0.875	OPEN TRENCH		CLAY		20			4/22/2013
126	November	2024-1001683235	NYLON			AMPFit			2	OPEN TRENCH				48			9/2/1981
127	November	2024-1001003954	OTHER (Describe)	Steel					0.75	OPEN TRENCH		LOAM		8			7/6/2009
128	November	2024-1001441708	MDPE - 2406						0.75	OPEN TRENCH				48			10/6/2002
129	November	2024-1001675537	MDPE - 2406			RW Lyall			0.75	OPEN TRENCH				18			5/30/2024
130	November	2024-1001737727	MDPE - 2306						0.5	OPEN TRENCH		LOAM		18			5/4/1976
131	November	2024-1001676820	MDPE - 2306						2	OPEN TRENCH		CLAY		12			11/10/1977
132	November	2024-1001442720	MDPE - 2406						0.75	OPEN TRENCH		OTHER		48			11/4/2006
133	November	2024-1001677663	MDPE - 2406						2	OPEN TRENCH				50			2/11/2007
134	November	2024-1001699783	MDPE - 2406						0.875	OPEN TRENCH		CLAY		58			1/19/2004
135	November	2024-1001682075	MDPE - 2406						0.875	OPEN TRENCH		CLAY		40			5/23/2017
136	November	2024-1001636008	MDPE - 2306						0.875	OPEN TRENCH		CLAY		15			7/28/1982
137	November	2024-1001683041	HDPE - 3406						0.75	OPEN TRENCH		CLAY		15			3/20/1988
138	November	2024-1001749604	MDPE - 2406						1	OPEN TRENCH				35			10/9/2007
139	December	2024-1001704264	MDPE - 2406						2	OPEN TRENCH		LOAM		25			2/22/1999
140	December	2024-1001831770	MDPE - 2406						0.75	OPEN TRENCH		CLAY		40			9/1/2005
141	December	2024-1001786115	MDPE - 2306						0.75	OPEN TRENCH		CLAY		14.5			3/2/1988
142	December	2024-1001229488	MDPE - 2406						0.75	OPEN TRENCH				48			4/27/1997
143	December	2024-1001894715	MDPE - 2406						0.75	OPEN TRENCH		CLAY		9			11/18/2015
144	December	2024-1001693256	MDPE - 2406						0.75	OPEN TRENCH		CLAY		48			11/29/2017
145	December	2024-1001793381	MDPE - 2406						0.75	OPEN TRENCH		CLAY		45			3/18/1996

Line Number	FAILURE ANALYSIS SECTION								
	FAILURE LOCATION (Pipe, Fitting or Joint)	FAILURE IN FITTING (Transition, Valve, Meter Riser, Mechanical Fitting, Heat Fusion Fitting, Electrofusion Fitting, Other - describe)	Description of Other Fitting Type	FAILURE IN JOINT (Mechanical, Electrofusion, Butt Fusion, Socket Fusion, Saddle Fusion, Solvent, Other - describe)	Description of Other Joint Type	FAILURE CAUSE (Squeeze Off, Point Loading, Excessive Expansion/Contraction, Excessive External Earth Loading, Installation Error, Previous Impact, Unknown, Unknown - not excavated - abandoned, Unknown - not excavated - replaced, Material Defect - describe, Other - describe)	ADDITIONAL FAILURE CAUSE (Squeeze Off, Point Loading, Excessive Expansion/Contraction, Excessive External Earth Loading, Installation Error, Previous Impact, Unknown, Unknown - not excavated - abandoned, Unknown - not excavated - replaced, Material Defect - describe, Other - describe)	Description of Material Defect or Other Failure Cause	DATE OF FAILURE
103	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	9/13/2024
104	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	9/23/2024
105	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		9/25/2024
106	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		9/4/2024
107	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		9/4/2024
108	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		9/26/2024
109	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	9/6/2024
110	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	9/23/2024
111	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	9/26/2024
112	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	9/24/2024
113	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	9/18/2024
114	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	10/30/2024
115	FITTING	METER RISER				INSTALLATION ERROR	Installation Error		10/15/2024
116	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		10/18/2024
117	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		10/3/2024
118	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		10/11/2024
119	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	PVC	10/29/2024
120	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	10/1/2024
121	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	10/21/2024
122	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	10/15/2024
123	JOINT			SADDLE FUSION		INSTALLATION ERROR	Installation Error		10/8/2024
124	JOINT			SADDLE FUSION		INSTALLATION ERROR	Installation Error		10/3/2024
125	PIPE					INSTALLATION ERROR	Installation Error	Improper Backfill	10/29/2024
126	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Amp Saddle	11/6/2024
127	FITTING	MECHANICAL FITTING (Bolted)				MATERIAL DEFECT (Describe)	Material Defect - describe	Mechanical Failure - Dresser	11/5/2024
128	FITTING	METER RISER				MATERIAL DEFECT (Describe)	Material Defect - describe		9/12/2024
129	FITTING	METER RISER				MATERIAL DEFECT (Describe)	Material Defect - describe		11/4/2024
130	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		11/21/2024
131	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		11/4/2024
132	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		11/21/2024
133	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		11/4/2024
134	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	11/12/2024
135	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	11/7/2024
136	JOINT			SADDLE FUSION		INSTALLATION ERROR	Installation Error		11/20/2024
137	PIPE					POINT LOADING	Point Loading	Improper Backfill	11/5/2024
138	PIPE					INSTALLATION ERROR	Installation Error		11/24/2024
139	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		12/16/2024
140	FITTING	THREADED CAP				THREADED CAP (Loose cap, not cracke	Installation Error		12/12/2024
141	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	12/1/2024
142	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	12/31/2024
143	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	12/30/2024
144	FITTING	TRANSITION				INSTALLATION ERROR	Installation Error	No sleeve installed	12/5/2024
145	PIPE					POINT LOADING	Point Loading	Improper Backfill	12/19/2024

CERTIFICATE OF SERVICE

I, Robert Elliott Vincent, hereby certify that a copy of the above and foregoing *Compliance Filing* was forwarded this 31st day of March 2025, addressed to:

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