August 26, 2026

Chase Flewallen
Spire Energy
83 Century Boulevard
Nashville, TN 37214
Chase.Flewallen@spireenergy.com

RE: Gallatin Pike Walton to Wiley
TDOT PIN# 125526.09
Pothole Investigation Summary Report

Dear Chase:

On August 17 and 18, ELI subcontracted HydroX, LLC to perform potholing operations within the project area to verify the location and depth of existing underground utilities. The pothole locations were based on the conflict analysis completed by ELI and submitted on 7/01/2026. The potholing investigation successfully verified the locations and depths of the majority of the existing gas facilities within the project limits. Exposed facilities included 2-inch steel gas main, 6-inch MDPE gas main, 2-inch steel service line, 1-inch MDPE service line and concrete sleeves of other ulitilities. Measured depths of cover for the verified gas mains generally ranged from approximately 1.4 to 4.48 feet. A summary table of the pothole locations and investigative data collected is provided below along with photos.

In addition the potholing investigation also identified discrepancies between available online utility records and 811 field markings. Using the verified pothole data, the gas utility mapping was reviewed and adjusted where necessary to better reflect the observed field conditions and provide the most accurate representation of the existing gas facility alignment available for design and conflict analysis purposes.

The existing 6-inch MDPE gas main was verified at P-1, P-2, P-3, P-8, and P-9 with observed depths ranging from approximately 2.55 feet to 3.55 feet of cover. At P-1.1, the associated 1-inch MDPE gas service line was also verified at approximately 3.15 feet of cover. In addition, the tracer wire associated with the 6-inch MDPE gas main was observed at P-1, P-2, and P-3. Based on the verified depths, the proposed bus stop improvement near STA. 40+10, curb extension improvements near STA. 43+95 and STA. 60+00, and the channelization island improvement near STA. 98+60 are not anticipated to directly impact the existing gas facilities. The verified utility locations indicate adequate vertical clearance for the proposed improvements.

Potholes P-2 and P-10 were completed to evaluate potential conflicts associated with proposed signal infrastructure. At P-2, the 6-inch MDPE gas main was verified approximately 3 feet from the proposed signal pole location and adjacent to the proposed pedestal pole installation. While the gas main was not found directly beneath the proposed foundations, it remains within the anticipated construction area and should be considered during final design of the pole foundations and associated conduit installation. At P-10, the 2-inch steel gas main was verified approximately 4 feet from the proposed signal pole location at a depth of approximately 4.48 feet of cover. Based on the pothole findings, the gas facility is not anticipated to conflict with the proposed signal pole. Field observations indicated the primary conflict at this location is associated with an existing water main concrete sleeve rather than the gas facility.

The existing 2-inch steel gas main was verified at P-6 and P-7, while the associated 2-inch steel gas service was verified at P-7.1. At P-6, the gas main was found at approximately 2.6 feet of cover, placing it beneath the proposed sidewalk and providing sufficient separation such that conflicts with the planned improvements are not anticipated. At P-7 and P-7.1, the gas main and service were found at approximately 1.40 feet of cover, beneath the proposed curb extension and perpendicular curb ramp. Although the proposed sidewalk, curb extension, and curb ramp

improvements are not expected to require relocation of these facilities, the limited cover at P-7 and P-7.1 should be considered during final design and construction planning due to the increased potential for construction-related impacts.

At P-5, a 1" fiber utility and the concrete encasement of an existing sewer line were exposed during potholing. Based on the confirmation of the sewer line location at P-5, the pothole at P-4 was offset several feet from the sewer line to avoid unnecessary conflict with the facility. Excavation at P-4 and P-5 was advanced to depths of approximately 4.14 feet and 7.05 feet, respectively; however, the anticipated 2-inch steel gas main was not exposed. At P-4, further investigation was also limited by the presence of a large boulder within the excavation area. These depths represent the maximum excavation depths achieved and should not be considered verified depths of cover. While available line cards indicated a continuous gas main through this segment, 811 utility locate markings showed the gas main elbows away from the roadway towards existing infrastructures at both ends of the corridor, effectively bypassing the section of interest. Additional investigation may be warranted if future design activities indicate potential impacts in this area.

Overall, the potholing investigation successfully verified the majority of existing gas facilities and substantially reduced the uncertainty associated with previously identified utility conflicts. Most of the evaluated conflicts appear to be resolved based on the verified utility depths and locations. The primary areas requiring continued consideration include the signal and pedestrian infrastructure installation near P-2, the shallow gas facilities identified at P-7 and P-7.1, and the unverified gas main locations at P-4 and P-5. The remaining pothole locations successfully confirmed utility locations and depths that are not anticipated to conflict with the proposed improvements. The information in the summary table can be shared with TDOT to incorporate into their overall project plans.

Potholes #	Description	Northing	Easting	Plan Station	Depth of Cover (ft)
P-1	6" MDPE Gas Main	697856.119	1756200.912	40+10'	3.55
P-1.1	1" MDPE Service Line	697855.046	1756201.88	40+10'	3.15
P-2	6" MDPE Gas Main	697982.019	1756269.46	41+30'	2.55
P-3	6" MDPE Gas Main	698188.033	1756387.346	43+95'	3.3
P-4	2" Steel Gas Main	698742.008	1756607.726	49+70'	4.14*
P-5	2" Steel Gas Main	698831.983	1756659.347	50+55'	7.05*
P-6	2" Steel Gas Main	699247.621	1756895.879	55+60'	2.6
P-7	2" Steel Gas Main	699116.195	1756906.382	54+50'	1.4
P-7.1	2" Steel Gas Service	699117.706	1756910.423	54+50'	1.4
P-8	6" MDPE Gas Main	699572.845	1757168.215	60+00'	2.75
P-9	6" MDPE Gas Main	703152.241	1758640.019	98+60'	3.45
P-10	2" Steel Gas Main	703792.436	1758748.232	105+20'	4.48

(* = maximum depth of excavation achieved without locating gas pipeline)

Warm regards,

ENERGY LAND & INFRASTRUCTURE, LLC (PLLC in NC)





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Location Map



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REF. DWG(S)

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ENERGY LAND & INFRASTRUCTURE PLLC
440 METROPLEX DR. TN 37211
TN LICENSE NO.

NO.	DATE	REVISION(S) DESCRIPTION	BY	CHK	APPD
A	08/24/2026	CONFLICT ANALYSIS	JAK	JS	MLB

DESCRIPTION	
AREA CODE	
ACCOUNT NUMBER	
PROJECT NUMBER	26-11-3218
DRAWING BY	JAK
STATION ID	
CHECKER INITIALS	UTS

APPROVALS		
DATE	INITIALS	REGIONAL ENGINEER
DATE	INITIALS	MGR. TECH REC & STD
DATE	INITIALS	PRINCIPAL ENGINEER

DUKE ENERGY. Piedmont Natural Gas

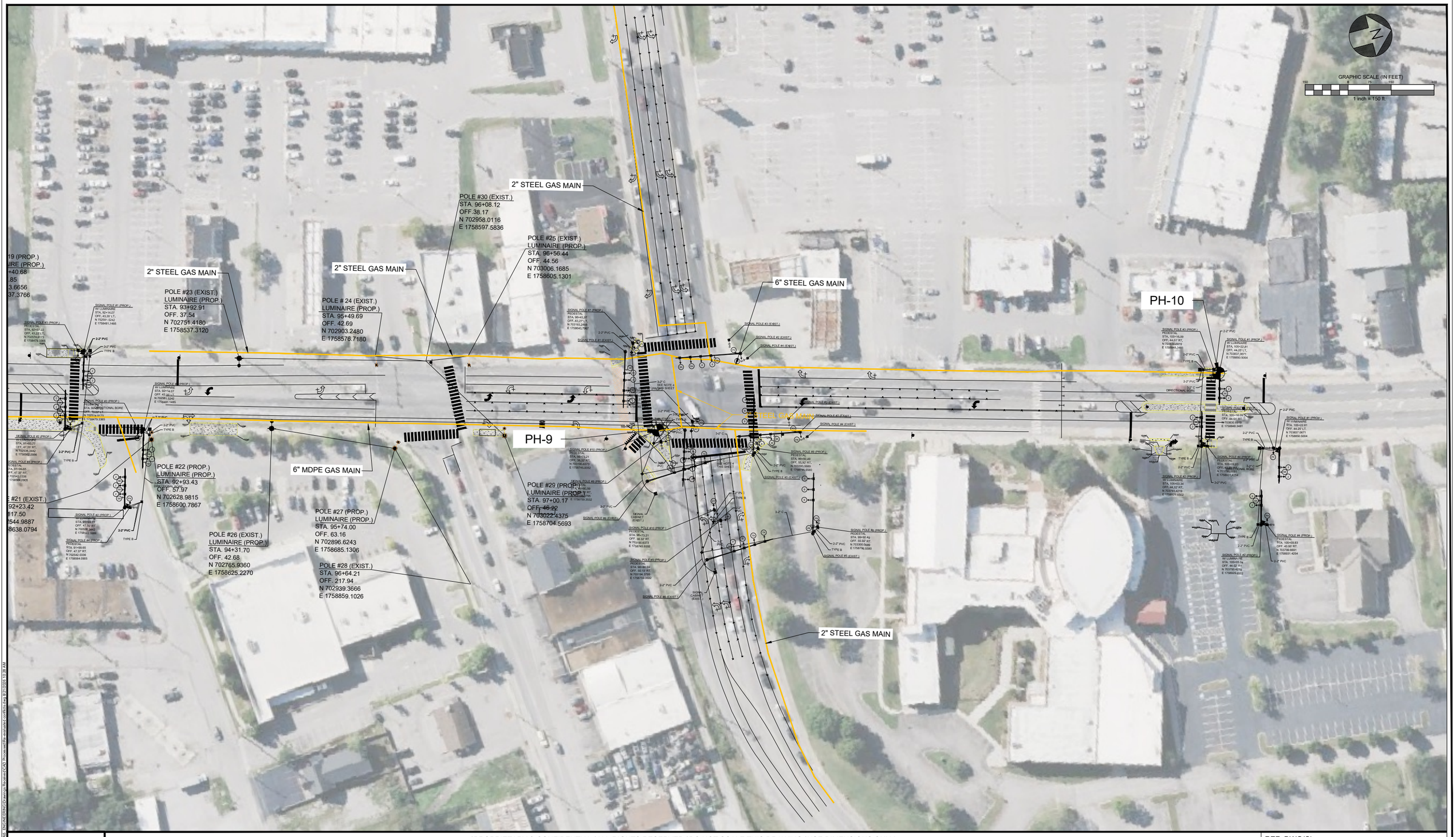
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GALLATIN PIKE WALTON TO WILEY
PLAN 1
NASHVILLE, TN

Resource Center Nashville

SHEET(S) 1 OF 1	DWG SCALE SEE SCALE
DWG DATE:07/20/2026	SUPERSEDED
DRAWING NUMBER	REVISION A
DISCIPLINE / RESOURCE CENTER / LINE NUMBER	

W:\26-11-3223_Sms_Gallatin Rd_Walton to Wiley_CAS_ENGINEERING\Drawings Received\CAD Processed\Re-evaluated conflicts.dwg 8/21/2026 10:17 AM



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DATE	INITIALS	PRINCIPAL ENGINEER

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GALLATIN PIKE WALTON TO WILEY
PLAN 2
NASHVILLE, TN

Resource Center Nashville

SHEET(S) 1 OF 1	DWG SCALE SEE SCALE
DWG DATE: 07/20/2026	SUPERSEDED
DRAWING NUMBER	REVISION A
DISCIPLINE / RESOURCE CENTER / LINE NUMBER	

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Photos

PH-1 Location



Overall view



6" MDPE Gas Line



Depth Measurement

PH-1.1 Location



Overall view



1" MDPE Service Line



Depth Measurement

PH-2 Location



Overall view



6" MDPE Gas Line



Depth Measurement

PH-3 Location



Overall view



6" MDPE Gas Line



Depth Measurement

PH-4 Location



Overall view



2" Steel Gas Line [NOT FOUND]



Depth Measurement

PH-5 Location



Overall view



2" Steel Gas Line [NOT FOUND]



Depth Measurement

PH-6 Location



Overall view



2" Steel Gas Line



Depth Measurement

PH-7 Location



Overall view



2" Steel Gas Line



Depth Measurement

PH-7.1 Location



Overall view



2" Steel Service Line



Depth Measurement

PH-8 Location



Overall view



6" MDPE Gas Line



Depth Measurement

PH-9 Location



Overall view



6" MDPE Gas Line



Depth Measurement

PH-10 Location



Overall view



2" Steel Gas Line



Depth Measurement