Case 14-G-0357

Exhibit D to the 11/6/14 Statement of the Master Plumbers Council of the City of New York, Inc.

J. Responsibilities

The Customer, his/her Agent and/or Contractor bears the responsibility of maintaining all gas piping and associated equipment in a safe operating condition.

K. Customer Pipe Size and Adequacy

Proper sizing of customer pipe and ensuring adequacy for current and future use is the sole responsibility of the customer. The customer's Engineer or Licensed Plumbing Contractor should assist the customer in determining that the natural gas piping installation will have adequate capacity for future use.

L. Un-Metered Connection (Flat)

Un-Metered (Flat) connections are prohibited and can result in a termination of service.

M. Piping Certification and Permit(s)

Gas service installations require municipal certification that the gas piping system has been pressure tested and permit documentation that the building's gas service is authorized for fuel supply. It is the owner /contractor's responsibility to make the appropriate arrangements and notify Con Edison when such action has been acceptable for gas turn-on appointment. In order to avoid a delay to the gas service completion date, please obtain and conform to the following:

a) Installation must comply with the current applicable Con Edison Specifications.
b) The following are examples of the service work requiring city and local certification permits:

1. In New York City

- **Distribution Piping** - Gas Service Authorization: NYC-Buildings Information System (BIS) aka "Blue Card"
- **Meter Piping** – A NYC Meter Piping Pressure Test Verification Affidavit will be required for the following:
  - i. The installation of any new, alteration of existing, or complete replacement of gas piping.
  - ii. Installation of new gas appliances and the replacement of a gas water heater or a gas fired boiler with the capacity of 350,000 BTU or less where the existing gas appliance gas wing valve is not moved and no gas piping is required. No gas permit is needed. A written report is due to the DOB in 30 days.
  - iii. Restoration of service discontinued (cut-off) due to a fire or other conditions or where all the gas service to a building has ceased for over six (6) months.

The NYC Gas Meter Pressure Test Verification Affidavit form can be found on the Con Edison Energy Services Resource web-site located at http://www.coned.com/es/resources.asp or refer to Exhibit - B **(pg. 74)**.

2. In Westchester County

- **Distribution Piping** – Gas Service Authorization. For Municipalities that do not issue formal Gas Blue Cards, a Westchester County Distribution Piping Pressure Test Verification Affidavit will be substituted.
- **Meter Piping** – Requires a Westchester County Gas Meter Piping Pressure Test Verification Affidavit.

M. Test Pressure and Duration:

The test pressure and duration shall comply with charts below:
For customer meter piping inside buildings in New York City:

Maximum Utilization Pressure	Test Pressure	Test Duration
Up to ½ psig	3 psig	30 Minutes
Over ½ psig to 3 psig	50 psig	30 Minutes
Over 3 psig to 15 psig	100 psig	1 Hour
Above 15 psig	100 psig or twice the maximum operating pressure but not less than 100 psig.	1 Hour

For all customer service and meter piping outside of buildings in NYC and all customer service and meter piping inside and outside of buildings in Westchester County.

Maximum Utilization Pressure	Test Pressure	Test Duration
Less than 125 psig	90 psig or 1 ½ times the maximum operating pressure or whichever is greater.	≤ 2" @ 15 minutes >2" @ 30 minutes
Greater than 125 psig	Requires Site Specific Test Monitoring - Refer to G-8200 Sec. 7.0	Requires Site Specific Test Monitoring - Refer to G-8200 Sec. 7.0

1. The above charts **DO NOT** represent test pressure for the portion of distribution piping after the gas meter. For pressure testing requirements on gas piping after the gas meter, refer to NYC Fuel Gas Code and/or that of the local governing authorities/codes of the local municipality when working in Westchester.

2. The gas meter and associated gas regulating equipment **SHALL NOT** be installed prior to any pressure/leakage test. This equipment is to be leak tested at service line pressure.

N. Restoring Gas Service after Repairs:

A Work Authorization to restore a gas service must be submitted and received by Con Edison, Energy Services Group prior to restoring a gas service to a meter that was previously locked-off or isolated for inside piping repairs. In the event of an emergency situation, verbal approval directly from an Energy Services Representative communicated directly to the Gas Emergency Response Center (GERC) is permitted. In those instances, The GERC shall generate a work ticket for the Gas Turn-On. All requests for service shall detail the type of repairs made and the gas equipment to be turned on.

- Steel services installed prior to 1972 that have been disconnected due to unplanned work (e.g. leak repairs, contractor damages, no gas investigations, removing a blockage from a service, etc.) shall be replaced per the requirements in Section 2 of the Yellow Book.

- PPE plastic, copper, & steel services installed after 1971 that have been disconnected due to unplanned work (e.g. leak repairs, contractor damages, no gas investigations, removing a blockage from a service, etc.) may be reconnected by ConEdison after the service pipe is

pressure tested from the point of disconnect to the service head valve per Section 2(M) of the Yellow Book.

Prior to restoring a gas service, an integrity test shall be performed by Con Edison to establish the customer's gas piping does not leak.

On service restorations for a high pressure (greater than 15 psig through 99 psig.) Building of Public Assembly (BOPA) turn-on where repairs have been made, the location shall be visited by an Energy Services representative to verify if the completed repairs require a Gas Card (i.e. Blue Card) and "Gas Integrity Test and Gas Turn-On Affidavit" Exhibit - A **(pg. 73)** prior to issuing a work authorization. A Gas Operations supervisor shall be present after inside repairs have been completed and prior to the turn-on of all elevated pressure piping upstream of the service regulator inside BOPAs.

On service restorations to either a building or a multi-dwelling (4 or more families) or a master-metered building with risers, in which in the licensed master plumber has corrected a warning tag condition, it is the responsibility of the building owner to provide **ALL** of the following for an acceptable integrity test:

a) A Gas Card (i.e. Blue Card) or equivalent in Westchester, when required by local building code requirements.

b) A completed "Gas Integrity Test and Turn-on Affidavit" signed by a licensed plumber, including license number. The Company's "Gas Integrity Test and Turn-On Affidavit" form can be found on our Energy Services Resource web-site located at http://www.coned.com/es/resources.asp or refer to Exhibit - A **(pg. 73)**.

c) A shut-off valve for each appliance, no gas valve found, no appliance turn-on.

O. Restoring Gas Service to Buildings with Risers:

Master metered buildings where there is more than one riser and the risers are integrity tested individually, the gas in each riser shall occur immediately after an acceptable integrity of that riser off for the repair. Purpose is to prevent the possibilities of conditions changing after the test is performed and gas is introduced into the riser.

Prior to requesting a scheduled appointment the building owner or superintendent (agent) must provide to the company mechanic access to a minimum of two (2) apartments on each affected riser. One of these apartments must be the furthest apartment; the other shall be at the discretion of the company.

In each apartment accessed, the company will verify that:

a) Each appliance has a shut-off valve.

b) Visible piping is continuous and adequately supported up to the appliance valve.

c) All appliance valves are shut off and properly connected to appliances with standing pilots.

d) All appliance valves are open and properly connected to appliances with electronic ignition.

e) All appliance valves not connected to appliances are closed and plugged/capped.

f) All meter valves have been left open in premises which have meters in the apartments so that the integrity test is complete to the appliance valves. A lockable riser valve and a ⅛-inch diameter pressure tap downstream of, and in close proximity to the lockable riser valve, must

be installed on any riser or branch that is off for repair. The ⅛-inch pressure tap is to be used to connect a manometer for the continuity test described in **Gas Specification G-11836** titled **"Integrity Tests, Meter Turn-Ons and Turn-Offs, Meter Exchanges, and Restoration of Gas Service after Repairs".**

Any existing non-lockable riser valves can be left in place for risers not being repaired. It is recommended that lockable riser valve be installed on all risers in a building even if the riser is not being repaired. The purpose of the lockable riser valves is to make the gas turn-on easier, and to reduce the need for a complete shutdown if there is a leak in the future. Riser valves are not required for 1, 2, or 3 family-residential homes.

An existing drip leg with a lockable valve located downstream and in close proximity to the gas valve or a new ½-inch diameter reducer **T** fitting may be used in lieu of the ⅛-inch diameter pressure tap. If no riser valve or pressure tap fittings are present, contact supervisor for guidance.

P. Sleeves:

Wall-sleeves or sleeved-elbow units are to be installed by the customer's contractor when the gas service pipe penetrates a masonry wall or floor. Wall sleeves are to be installed perpendicular to the wall unless prior approval from Gas Construction is granted. Sleeves will be installed in accordance with Gas Drawing Specification **EO-16629** titled **"Installation of Steel Gas Service Piping"** or **EO-4890** titled **"Service Pipe / Tubing and Service Sleeve through Vault, Open Areaway, Open Area under Stairs, Under Enclosed Area and Into Vaulted Basement"**.

a) **Building with Basement**
Where a basement wall is located on the property line, the customer will supply and install the wall sleeve and Con Edison will install the service pipe and service head valve.

b) **Vaults and Areaways**
Con Edison will install the service pipe through a sleeve(s) provided and installed by the customer. Con Edison will also provide and install the service head valve.

- **Permanently Accessible From Inside of Building**
Where a wall, footing, or foundation exists outside of the property-line or space, the customer shall install a wall sleeve in the vault wall.

- **Accessible From Street**
Where a wall, footing, space or foundation exists at or outside the property line, the customer shall install a second wall sleeve similar to the one in the building wall.

- **Not Accessible From Street**
Where a wall, footing, or foundation exists at or outside the property line, the customer shall install a continuous steel sleeve, which is adequately supported.

Note: If the service pipe can be exposed to physical damage (i.e. pipe is not protected by stairs above), then the service pipe must be installed in a continuous steel sleeve, which is adequately supported.

c) **Enclosures above Services (i.e., enclosed porch, sidewalk cafe)**
When a gas service passes under an enclosure the service pipe shall be installed through a continuous steel sleeve, installed by the customer, to one foot outside the enclosure. The sleeve shall be sealed at both ends and vented above grade to the outside atmosphere.

d) **Building without Basement**
When the property line and building line coincide, and the outside metering is not feasible, Con Edison will install its service pipe to the sleeved elbow unit, installed by the customer's contractor, and make the final connection outside the building wall or foundation footing.

conEdison
a conEdison, Inc. company

Consolidated Edison Company
of New York, Inc.
4 Irving Place
New York NY 10003

FINAL GAS CHECKLIST
(REQUEST FOR INSPECTION)
Further Action Required for Completion of Oil to Gas Conversion Work

Job Address: _____ **Borough:** _____ **Case No:** _____

Contractor Name: _____ **Phone No:** _____

Please indicate "Y" in the applicable box for completed items and "N/A" where items do not apply

		To be Completed by Contractor			For Con Edison Use Only
Action Description		**Yes**	**No**	**N/A**	**Pass/Fail**
City Cert./Municipal Affidavit Issued (# __)					
Pressure testing affidavit					
Certificate of compliance					
Welder affidavit					
Gas integrity test and turn-on affidavit					
Gas booster equipment installed					
Volume correctors are required for all turbine meters and all elevated pressure rotary and diaphragm meters					
Volume corrector location meets all clearances					
Turbine meters and rotary meters larger than 16M require temperature well downstream of meter					
Proper signage displayed for multiple gas services					
Adequate air supply for gas equipment ANSI Z223-1					
Ventilation as required in section IV in Gas Yellow Book					
Regulator vents must be located minimum of 18" from grade to center line of pipe and also 18" away from any intake vents or other locations where gas can enter a building					
Metering location meets all clearances					
Meter bar level, supported and part supplied marked					
Head of Service that is higher than 6 ft. require valve operator, permanent ladder or platform					
Load piping tied to meter bar					
Outdoor piping painted					
Gas piping sleeved & caulked between building & distribution piping					
All risers & appliances have appropriate isolation valves installed and accessible					
Each gas connection for future appliances must have a separate lockable control valve that is currently off, locked and plugged					
Gas appliance connected & ready to operate					
Commercial equipment on castors must have restraining chain installed					
Heating/AWH flue pitched & connected to chimney					
Heating/AWH flue checked for proper draft					
Vehicle protection bumpers installed					
Appropriate insulated/non-insulated couplings or flange kits installed					
OIL TO GAS CONVERSION WORK	Application for Service signed by Customer				
	Any required security deposit payments				

For oil to gas conversions in Manhattan, Bronx and Queens, please e-mail this form to Con Edison's Gas Conversion Group at OTG@coned.com . For all other gas service requests, please scan and upload this form into your case via Project Center at https://apps.coned.com/esweb/login.aspx

Gas Integrity Test & Gas Turn-On Affidavit

This certifies that the gas piping in the building indicated below has successfully passed a leakage test as prescribed by the local authority having jurisdiction.

_____

(Building Address / City or Town / Zip Code)

Complete All Sections That Apply **Blue Card #:** _____

Lockable valves and test ports installed/exist at the base of each riser. **YES** **NO** (circle one)

Gas Turn-On requested for the following equipment (specify):

_____

_____

Contractor to Check Appropriate Corrective Condition:

I have repaired and tested,

_____ **Leak at gas equipment (specify unit or equipment)** _____

_____ **Control Valve** _____ **Pilot Valve** _____ **Appliance Valve**

_____ **Hood Draft** _____ **Appliance Regulator** _____ **Flue Connection**

_____ **Other (Specify) and or Provide Details For Above Items Checked** _____

_____

_____

This certifies that all gas piping is complete and continuous up to the appliances, including appliance control valves, or end of use equipment in affected apartments or areas. **YES** **NO** **(circle one)**

It is also certified that in the affected area(s):

- All areas containing gas utilization equipment (e.g., boiler room, laundry room) have been inspected and that the equipment gas valves have been closed. **YES** **NO** (circle one)
- All apartments containing gas appliances have been inspected and the appliance valves have been closed. **YES** **NO** (circle one)
- All open-ended valves, stubs test connections, purge connections, or any other piping or fittings which could be left open, have been closed gas tight with a threaded plug or cap. For premises which have meters in the apartments, the meter valves have been left open, so that the integrity test is complete up to the appliance valves. **YES** **NO** (circle one)

In addition, I accept responsibility for the gas-in of any end of use gas equipment or appliances not gassed-in by Con Edison and identified above for turn-on. **YES** **NO** (circle one)

_____

(Plumbing Contractor Company Name / Address / Telephone #)

_____

(Plumber's Signature / License # / Date)

Gas Integrity Test & Turn-On Affidavit

This certifies that the gas piping in the building indicated below has successfully passed a leakage test as prescribed by the local authority having jurisdiction.

_____

(Building Address / City or Town / Zip Code)

Complete All Sections That Apply **Blue Card No.** _____

Lockable valves and test ports installed / exist at the base of each riser. **YES** **NO** (Circle One)

Gas Turn-On requested for the following equipment (Specify below):
CONTACT INFORMATION FOR IMMEDIATE BUILDING ACCESS :_____PHONE:_____

	RISER LOCATION	GAS END USE (e.g. Cooking, Heating, Hot Water, Dryer, etc)	METER LOCATION	NO. OF APTS
Location # 1				
Location # 2				
Location # 3				
Location # 4				
Location # 5				
Location # 6				

Contractor to Check Appropriate Corrective Condition:
I have repaired and tested,

_____Leak at gas equipment (specify unit or equipment)_____

_____Control Valve **_____Pilot Valve** **_____Appliance Valve**

_____Hood Draft **_____Appliance Regulator** **_____Flue Connection**

_____Other (Specify) and provide details for above items checked_____

_____

_____

This certifies that all gas piping is complete and continuous up to the appliance, including appliance control valves, or end of use equipment in affected apartments or areas. **YES** **NO** (circle one)

It is also certified that in the affected area(s):

- All areas containing gas utilization equipment (e.g. boiler room, laundry room) have been inspected and that the equipment gas valves have been closed. **YES** **NO** (circle one)
- All apartments containing gas appliances have been inspected and the appliance valves have been closed. **YES** **NO** (circle one)
- All open-ended valves, stubs test connections, purge connections, or any other piping or fittings which could be left open, have been closed gas tight with a threaded plug or cap. For premises which have meters in the apartments, the meter valves have been left open, so that the integrity test is complete up to the appliance valves. **YES** **NO** (circle one)

In addition, I accept responsibility for the gas-in of any end of use equipment or appliances not gassed-in by Con Edison and identified above for turn-on. **YES** **NO** (circle one)

_____

(Plumbing Contractor Company Name / Address / Telephone #)

_____

(Plumber's Signature / License # / SEAL/ Date)

Rev. 11/2013

EXHIBIT B

NEW YORK CITY METER PIPING

PRESSURE TEST VERIFCATION

(**Note:** This Affidavit Does Not Replace a Blue Card)

AFFIDAVIT

This certifies that the gas meter piping installed between the service head valve and the meter connection

Located at: _____

Lot #: _____

Block #: _____

Owner: _____

has successfully passed a leakage test for _____ hour(s) at pressure of _____ psig

on _____(date)

TEST PERFORMED BY

Plumber's Signature: _____

License #:_____

Plumbing Contractor: _____

Accepted for Con Edison By: _____

Date: _____