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September 25, 2020

**VIA ELECTRONIC MAIL**

Mark Marini, Secretary
Department of Public Utilities
One South Station, 5th Floor
Boston, MA 02110

Re: Bay State Gas Company d/b/a Columbia Gas of Massachusetts – D.P.U. 19-140
Compliance Agreement Consent Order Requirements (23), (24), (25), (26) and (27)

Dear Mr. Marini:

Pursuant to the Consent Order, and associated Compliance Agreement, dated August 14, 2020, between the Pipeline Safety Division (the "Division") of the Massachusetts Department of Public Utilities and Bay State Gas Company d/b/a Columbia Gas of Massachusetts ("CMA" or the "Company") in the above-captioned matter, the Company hereby provides the following responses to address the requirements of Items 23, 24, 25, 26, and 27 of the Consent Order.

Compliance Agreement Requirement (23)
Within 30 days of the effective date of this Order, CMA shall address the following violations and concerns regarding Gables Condominiums….

Response:

CMA addressed the violations and concerns regarding Gables Condominiums as follows:

- 404 Regency Lane: The meter at this location does not have enough support and is less than the minimum 6" above surface grade. In addition, the regulator vent terminal is less than the minimum 12" above grade and is within 10' of the building air intake.
    - Per Table 1 of "CMA Response 19-PL-08 Gables Condominiums Abington," filed 11/15/2019, provided herewith as Attachment 19-140-23(a), the concerns referenced were repaired on 7/1/2019.
- 402 Regency Lane: The meter at this location does not have enough support, is less than the minimum 6" above surface grade, is missing the DPU decal, and has a 2011 sticker. In addition, the regulator vent terminal is less than the minimum 12" above

grade and is within unsatisfactory proximity of a first floor opening and 10’ of the building air intake.

  - Per Table 1 Attachment 19-140-23(a), the concerns referenced were repaired on 6/25/2019 and 7/9/2019.
  - Per Table 2 of Attachment 19-140-23(a) the meter was changed 7/1/2019.

- 410 Regency Lane: The meter at this location does not have enough support, is less than the minimum 6” above surface grade and has a 2011 sticker. In addition, the regulator vent terminal is within 10’ of the building air intake and within unsatisfactory proximity of a first floor opening and rotating electrical equipment.

  - Per Table 1 of Attachment 19-140-23(a) the concerns referenced were repaired on 7/1/2019.
  - Per Table 2 of Attachment 19-140-23(a) the meter was changed 7/1/2019.

- 412 Regency Lane: The meter at this location does not have enough support, is less than the minimum 6” above surface grade and has a 2011 sticker. In addition, the regulator vent terminal is within unsatisfactory proximity of a first floor opening and rotating electrical equipment.

  - Per Table 1 of Attachment 19-140-23(a), the concerns referenced were repaired on 6/27/2019 and 7/2/2019.
  - Per Table 2 of Attachment 19-140-23(a), the meter was changed 7/1/2019.

- 414 Regency Lane: The meter at this location does not have enough support, is less than the minimum 6” above surface grade and has a 2011 sticker. In addition, the regulator vent terminal is less than the minimum 12” above grade and is within unsatisfactory proximity of a first-floor opening, within unsatisfactory proximity of a first floor opening and rotating electrical equipment, and within 10’ of the building air intake.

  - Per Table 1 of Attachment 19-140-23(a), the concerns referenced were repaired on 7/1/2019 and 7/8/2019.
  - Per Table 2 of Attachment 19-140-23(a), the meter was changed 7/1/2019.

- 416 Regency Lane: The meter at this location does not have enough support, is less than the minimum 6” above surface grade and has a 2011 sticker. In addition, the regulator vent terminal is within unsatisfactory proximity of rotating electrical equipment.

  - Per Table 1 of Attachment 19-140-23(a), the concerns referenced were repaired on 6/27/2019.
  - Per Table 2 of Attachment 19-140-23(a), the meter was changed 7/1/2019.

- 418 Regency Lane: The meter at this location does not have enough support and has a 2011 sticker. In addition, the regulator vent terminal is within 10' of the building air intake.

    - Per Table 1 of Attachment 19-140-23(a), the concerns referenced were repaired on 6/27/2019.
    - Per Table 2 of Attachment 19-140-23(a), the meter was changed 9/25/2019.

- 422 Regency Lane: The meter at this location does not have enough support and has a 2011 sticker.

    - Per Table 1 of Attachment 19-140-23(a), the concerns referenced were repaired on 7/1/2019.
    - Per Table 2 of Attachment 19-140-23(a) the meter was changed 7/1/2019.

- 303 Regency Lane: The meter at this location does not have enough support, is less than the minimum 6" above surface grade and has a 2011 sticker. In addition, the regulator vent terminal is less than the minimum 12" above grade.

    - Per Table 1 of Attachment 19-140-23(a), the concerns referenced were repaired on 6/27/2019 and 7/9/2019.
    - Per Table 2 of Attachment 19-140-23(a) the meter was changed 6/24/2019.

- 301 Regency Lane: The meter at this location does not have enough support and has a 2011 sticker. In addition, the regulator vent terminal is within 10' of the building air intake.

    - Per Table 1 of Attachment 19-140-23(a), the concerns referenced were repaired on 6/27/2019.
    - Per Table 2 of Attachment 19-140-23(a) the meter was changed 8/1/2018.
    - Attachment 19-140-23(b) is a photo of the meter at this location with a 2018 sticker.

- 309 Regency Lane: The meter at this location does not have enough support, is less than the minimum 6" above surface grade and has a 2011 sticker.

    - Per Table 1 of Attachment 19-140-23(a), the concerns referenced were repaired on 6/27/2019 and 7/8/2019.
    - Per Table 2 of Attachment 19-140-23(a) the meter was changed 6/24/2019.

- 311 Regency Lane: The meter at this location does not have enough support, is less than the minimum 6" above surface grade and has a 2011 sticker.

    - Per Table 1 of Attachment 19-140-23(a), the concerns referenced were repaired on 6/27/2019.
    - Per Table 2 of Attachment 19-140-23(a) the meter was changed 6/24/2019.

- 313 Regency Lane: The meter at this location does not have enough support, is less than the minimum 6" above surface grade and has a 2011 sticker. In addition, the regulator vent terminal is within unsatisfactory proximity to rotating electrical equipment.

    - Per Table 1 of Attachment 19-140-23(a), the concerns referenced were repaired on 7/1/2019 and 7/9/2019.
    - Per Table 2 of Attachment 19-140-23(a) the meter was changed 6/26/2019.

- 315 Regency Lane: The meter at this location does not have enough support, is less than the minimum 6" above surface grade and has a 2011 sticker.

    - Per Table 1 of Attachment 19-140-23(a), the concerns referenced were repaired on 6/27/2019 and 7/9/2019. The job order screen shot below shows meter fit was supported.
    -

```
JOB ORDER NUM: 17-5549131-00  *JOB TYPE: 3843   *LOC NUM: 8100  SPEC BUD:
JOB SUMMARY: AOC BURIED METER              *REIMB/ADV: N  VAR: N  INC TAX: N
*CO/CONTRACT: A   APPRV BY:           DATE:              JO STAT: EX EXECUTED
     PROJECT ID: 16 - 40371 PROJECT NAME: CMA AOC INSPECTION STAT DT: 07/09/19
    FACILITY ID:             FACILITY TYPE:
    FUNCTION ID:             FUNCTION TYPE:
     CO PREM ID:            *CITY: ABI     COUNTY: 023   PLYMOUTH
        SITE ID: 161174001   MAP NUM:        MP  SYS NO: 80002002  LOC PR: N
 JO NUM: 17-5549131-00       *JOB TYPE: 3843      *LOCATION NUMBER: 8100
SUMMARY: AOC BURIED METER

                                COMMENTS
   PAINTED/REPIPE REG VENT/DUGOUT METER
   SUPPORTED METER FIT
```

    - Per Table 2 of Attachment 19-140-23(a) the meter was changed 6/26/2019.

- 323 Regency Lane: The meter at this location does not have enough support, is less than the minimum 6" above surface grade and has a 2011 sticker. In addition, the regulator vent terminal is less than the minimum 12" above grade and within unsatisfactory proximity of a first floor opening into the building.

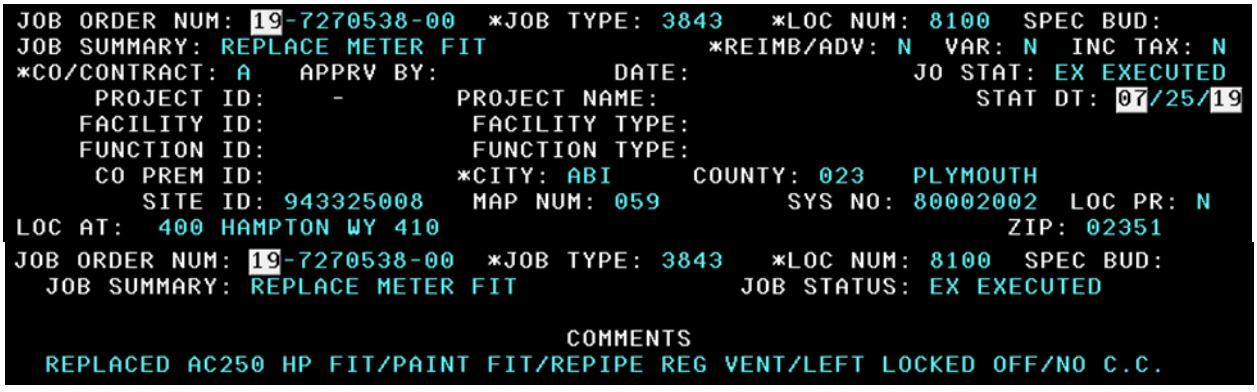
- Per Table 1 of Attachment 19-140-23(a) the concerns referenced were repaired on 6/25/2019.
- Per Table 2 of Attachment 19-140-23(a) the meter was changed 6/26/2019.

- 321 Regency Lane: The meter at this location does not have enough support, is missing the DPU decal, and has a 2011 sticker.

    - Per Table 1 of Attachment 19-140-23(a), the concerns referenced were repaired on 6/25/2019.
    - Per Table 2 of Attachment 19-140-23(a) the meter was changed 6/26/2019.

- Across from 402 & 404 Tamarack: The meter at this location does not have enough support and has a 2011 sticker. In addition, the regulator vent terminal is within unsatisfactory proximity of a first floor opening into the building and rotating electrical equipment.

    - Per Table 1 of Attachment 19-140-23(a), AOCs were repaired at 400 Tamarack Ln 402 and 400 Tamarack Ln 404 on 7/30/2019. Across from this location, 400 Hampton Way 410 was repaired on 7/25/2109 as shown below.




    - Additionally, per Table 2 of Attachment 19-140-23(a) the meter was changed at 400 Hampton Way 410 on 7/15/2019.

- Across from 602 Hampton: The meter at this location does not have enough support. In addition, the regulator vent terminal is within unsatisfactory proximity of a first floor opening into the building and the building air intake.

    - This work was completed under job order number 17-5570857-00, shown in the screen shots below:

```
JOB ORDER NUM: 17-5570857-00  *JOB TYPE: 3843   *LOC NUM: 8100  SPEC BUD:
JOB SUMMARY: AOC BURIED METER              *REIMB/ADV: N  VAR: N  INC TAX: N
*CO/CONTRACT: A   APPRV BY:          DATE:              JO STAT: EX EXECUTED
     PROJECT ID: 16 - 40371 PROJECT NAME: CMA AOC INSPECTION STAT DT: 07/09/19
    FACILITY ID:             FACILITY TYPE:
    FUNCTION ID:             FUNCTION TYPE:
     CO PREM ID:            *CITY: ABI     COUNTY: 023   PLYMOUTH
        SITE ID: 758384006   MAP NUM: 59         SYS NO: 80002002  LOC PR: N
LOC AT:  300 HAMPTON WY 309                                  ZIP: 02351
   AKA: CUSTOMER NAME NOT KNOWN   ???-???-????            WELDER FLAG(Y/N): N
BEGIN STR NUM:             END STREET NUM:             MAP CORRECTIONS(Y/N): N
  BETWEEN:                                                        JOB HLD: N
      AND:                                        RT NUM:
      TAX DIST: 0000111    FOOTAGE:          WORK UNITS:
```

```
JOB ORDER NUM: 17-5570857-00  *JOB TYPE: 3843   *LOC NUM: 8100  SPEC BUD:
  JOB SUMMARY: AOC BURIED METER              JOB STATUS: EX EXECUTED

                                  COMMENTS
  PAINTED/REPIPE REG VENT/DUGOUT METER
  SUPPORTED FIT
```

Compliance Agreement Requirement (24)
Within 30 days of the effective date of this Order, CMA shall provide a review of the following gas standards: Meter Set Assembly Location and Installation Requirements (GS 3020.035) and Meter Set Assembly Protection Residential and Small Commercial (GS 3020.040).

Response:

After review of Meter Set Assembly Location and Installation Requirements (GS 3020.035 – Attachment 19-140-24(a)) and Meter Set Assembly Protection Residential and Small Commercial (GS 3020.040 – Attachment 19-140-24(b)), the Company determined that these standards adequately cover clearance, support and protection requirements, and service regulator vent requirements for meter set assemblies. In addition to a thorough written explanation on these topics, visual diagrams within each standard provide additional guidance for employees to reference. All field employees and leadership roles who support field employees have been given a documented review of these standards. This review is documented in the Company's response to Consent Order Item #26.

Compliance Agreement Requirement (25)
Within 45 days of the effective date of this Order, CMA shall provide documentation to the Department to show that it has complied with items 23 and 24.

Response:

Please see the above responses, Attachments 19-140-23(a) and (b), Attachments 19-140-24(a) and (b) and Attachment 19-140-26.

Compliance Agreement Requirement (26)
Within 45 days of the effective date of this Order, CMA shall provide training to appropriate management and field personnel regarding gas standards GS 3020.035 and GS 3020.040 and shall perform an evaluation of Constructions Maintenance personnel qualifications to ensure that all field crews are properly qualified to perform covered tasks.

Response:

CMA Operations and Construction employees, as well as appropriate management personnel received training and reviewed GS 3020.035 and GS 3020.040 to reinforce the content of the standard's requirements and management's expectation of compliance with the standards. The name of each employee trained, date of the training, and the name of training instructor are provided as Attachment DPU 19-140-26. An evaluation of employee operator qualification for Task NGA-WE-CT85- "Meter Assembly Abnormal Operating Conditions" was performed for the Construction and Maintenance personnel that perform the covered task.

All employees were found to be properly qualified to perform this covered task, with the exception of 11 new employees and 1 employee who is out from work on disability. These employees will be qualified prior to performing the covered task.

Compliance Agreement Requirement (27)
Within 45 days of the effective date of this Order, CMA shall provide documentation to the Department to show that it has complied with Item 26.

Response:

Please refer to the Company's response to Compliance Agreement Requirement (26) and Attachment DPU-19-140-26.

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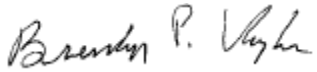
Thank you very much for your attention to this matter. Please contact me with any questions.

Very truly yours,



Brendan P. Vaughan

Enclosures

Cc: Laurie E. Weisman, Esq. – Hearing Officer
Service List, D.P.U. 19-140

Columbia Gas of Massachusetts
A NiSource Company

**Katherine M. Silver**
*Operations Compliance Manager*

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November 15, 2019

VIA ELECTRONIC MAIL

Richard Enright, Director
Pipeline Engineering and Safety Division
Department of Public Utilities
One South Station
Boston, MA 02110

Re: D.P.U 19-PL-08, Abington Gables Condo Meters (6/5/19)

Dear Mr. Enright:

Bay State Gas Company d/b/a Columbia Gas of Massachusetts ("CMA" or "Company") is in receipt of the Exit Letter, dated October 9, 2019 ("Exit Letter"), issued by the Pipeline Safety Division ("Division") of the Department of Public Utilities ("Department") regarding the meters investigated at Gables Condominiums in Abington ("Gables Condominiums") on June 11, 2019. This letter constitutes the Company's written response provided within 30 days of the issuance of the Division's Exit Letter.[1] As always, the Company would be happy to meet with the Division to discuss this Response or answer any other questions the Division may have.

In the Exit Letter, the Division states it received a customer complaint from a former Columbia Gas employee who lives at Gables Condominiums. The customer indicated he had informed the Company of numerous violations over the past four years. The Company has reviewed its customer records for the addresses listed in the Exit Letter, as well as the Company's "Plant and Service" database, which tracks such customer requests and responses. The Company did not identify any complaints received from a customer residing at Gables Condominiums during that time frame prior to 2018. The Company did, however, identify one customer meter set inquiry related to a buried meter in 2018 from among the listed addresses. Prior to the customer's inquiry, the Company had already identified the buried meter during a walking leak survey of Gables Condominiums the Company performed in 2017. In accordance with the Company's gas standards, the buried meter was pending remediation in 2020.

The Company maintains and modifies as appropriate, its plans, procedures, and programs that it is required to establish per 49 CFR Part 192.

[1] The Company obtained a seven-day extension from the Division for responding, which was memorialized in an email dated November 6, 2019. The Company appreciates this accommodation.

The Exit Letter cites alleged violations of 49 CFR Part 192.13. The Company's service installations at Gables Condominiums took place in 2003 and were based on the Company procedures that applied at the time of installation. During a leak survey that took place in the fall of 2017, the Company reviewed the meter installations at Gables Condominiums for compliance with its updated 2017 gas standards and identified numerous abnormal operating conditions ("AOCs"), including several the Division subsequently observed in 2019.

Over time, the Company has updated its gas standards to provide stronger guidance. Applicable here, CMA GS 1650.024(MA), Inspection for Abnormal Operating Conditions (AOC), was originally published January 1, 2017, and last amended January 1, 2018. This gas standard provides guidance for the recognition, notification and documentation of AOCs on meter set assemblies and service lines (including risers) and appropriate time frames for mitigation. As noted above, Gable Condominiums was last surveyed in the fall of 2017. Several AOCs were identified at that time, and job orders were created for remediation in accordance with GS 1650.024(MA).

On June 11, 2019, the Company received an email from Mr. Townsend setting forth the AOCs he observed during his inspection. Notwithstanding the time frames permitted by the gas standard, the Company expedited the repairs that were outlined in Mr. Townsend's email. The AOCs identified by Mr. Townsend were promptly remediated. See Table 1 below for the completed Work Management System (WMS) Job Order remediations, which involve work other than replacing meters. As Table 1 indicates, this work was completed by July 30, 2019. Table 2 contains completed Customer Information System (CIS) Job Orders, which address meter replacements. All except two were remediated in June or July 2019, with the final two completed in August and September 2019, respectively.

*Table 1-Completed (WMS) Remediations Locations Identified in Exit Letter*

| Job Order | Address | Cty Cd | Entered Dt | Complete Dt | Execute Comments |
|---|---|---|---|---|---|
| 19715025600 | 600 HAMPTON WY 602 | ABI | 2019-07-26 | 2019-07-26 | PAINT FIT/REPIPE REG VENT/ |
| 19724285300 | 301 REGENCY LN 3 | ABI | 2019-06-17 | 2019-06-27 | SUPPORTED/PAINTED/<br>NO REG ISSUE FOUND SHOWED DPU IN THE FIELD |
| 19724285600 | 303 REGENCY LN 3 | ABI | 2019-06-17 | 2019-06-27 | REPIPED MANIFOLD/FIXED REG VENT/PAINTED/SUPPORTED |
| 19724286400 | 303 REGENCY LN 3 | ABI | 2019-07-09 | 2019-07-09 | REPIPE REG VENT/PAINTED/DUGOUT METER |
| 19724287700 | 309 REGENCY LN 3 | ABI | 2017-10-17 | 2019-07-08 | DUGOUT METER/REPIPED REG VENT/PAINTED/ |
| 19724287900 | 309 REGENCY LN 3 | ABI | 2019-06-17 | 2019-06-27 | DUGOUT METER/PAINTED/SUPPORTED |
| 19724288000 | 311 REGENCY LN 3 | ABI | 2019-06-17 | 2019-06-27 | DUGOUT METER/PAINTED/SUPPORTED |
| 19724288100 | 313 REGENCY LN 3 | ABI | 2017-10-17 | 2019-07-09 | REPIPE REG VENT/PAINTED/DUGOUT METER |
| 19724393600 | 313 REGENCY LN 3 | ABI | 2019-06-17 | 2019-07-01 | ASSITED CREW ALL READS NEG<br>DUG OUT AND ADDED METER SUPPORT-EVERYTHING TO CODE |
| 19724394100 | 315 REGENCY LN 3 | ABI | 2017-10-17 | 2019-07-09 | PAINTED/REPIPE REG VENT/DUGOUT METER |
| 19724394300 | 315 REGENCY LN 3 | ABI | 2019-06-17 | 2019-06-27 | PAINTED/DUGOUT METER/LEFT SAFE |
| 19724394400 | 321 REGENCY LN 3 | ABI | 2019-06-17 | 2019-06-25 | SECURED METER WITH METER BRACKET |
| 19724670300 | 323 REGENCY LN 3 | ABI | 2019-06-17 | 2019-06-25 | REGULATOR VENT: 12" OFF GROUND/ 36" FROM SPRINKLER VENT, METERS: 6" OFF GROUND. SECURED FIT WITH BRACKETS. |
| 19724670800 | 402 REGENCY LN 4 | ABI | 2017-10-17 | 2018-04-06 | METER J93040  402 REGENCY BLD 4 COMPLETE |
| 19724671400 | 402 REGENCY LN 4 | ABI | 2017-10-17 | | |
| 19724674400 | 402 REGENCY LN 4 | ABI | 2019-06-17 | 2019-06-25 | REGULATOR VENT: 12" OFF GROUND/ 36" FROM SPRINKLER VENT. METERS: 6" OFF THE GROUND. FIT SECURED WITH BRACKETS. |
| 19724674800 | 402 REGENCY LN 4 | ABI | 2019-07-09 | 2019-07-09 | REPIPE REG VENT/PAINTED/DUGOUT METER |
| 19724675200 | 404 REGENCY LN 4 | ABI | 2019-06-17 | 2019-07-01 | DUGOUT METER/REPIPED REG VENT/INSTALL SUPPORT /PAINTED |
| 19724677300 | 410 REGENCY LN 4 | ABI | 2017-10-17 | 2019-07-02 | ALREADY DONE |
| 19725085300 | 410 REGENCY LN 4 | ABI | 2019-06-17 | 2019-07-01 | ASSITED CREW ALL READS NEG<br>PIPED VENT AWAY AND ADDED SUPPORT |
| 19725085700 | 412 REGENCY LN 4 | ABI | 2017-11-22 | 2019-07-02 | PAINT/REPIPE REG VENT/SUPPORT |
| 19725085800 | 412 REGENCY LN 4 | ABI | 2019-06-17 | 2019-06-27 | PAINTED/DUGOUT METER/SUPPRTED/PIPE REG AWY |
| 19725086000 | 414 REGENCY LN 4 | ABI | 2017-10-17 | 2019-07-08 | PAINTED/DUGOUT METER/REPIPED REG.VENT |
| 19725086100 | 414 REGENCY LN 4 | ABI | 2019-06-17 | 2019-07-01 | ASSITED CREW ALL READS NEG<br>PIPED VENT AWAY AND ADDED SUPPORT TO THE FIT. DUG OUT METER |
| 19725086300 | 416 REGENCY LN 4 | ABI | 2019-06-17 | 2019-06-27 | DUGOUT/PAINTED/PIPED REG VENT AWAY SUPPORTED FIT |
| 19725086400 | 418 REGENCY LN | ABI | 2019-06-17 | 2019-06-27 | SUPPORTED/PAINTED<br>NO REG ISSUE FOUND-SHOWED DPU IN THE FIELD |
| 19725086500 | 422 REGENCY LN 4 | ABI | 2019-06-17 | 2019-07-01 | DUGOUT METER/INSTALL SUPPORT/PAINTED FIT/REPIPE REG |
| 19728242100 | 400 TAMARACK LN 402 | ABI | 2019-07-30 | 2019-07-30 | PAINT FIT/SUPPORT FIT |
| 19728243300 | 400 TAMARACK LN 404 | ABI | 2019-07-30 | 2019-07-30 | SUPPORT FIT/PAINT FIT |

*Table 2-Completed (CIS) Remediation's Locations Identified in Exit Letter*

| Job Order | Address | Cty Cd | Complete Dt | Execute Comments |
|---|---|---|---|---|
| 248486301 | 402 REGENCY LN | ABI | 7/1/2019 | CHANGED METER 7/1/19 |
| 805066302 | 410 REGENCY LN | ABI | 7/1/2019 | CHANGED METER 7/1/19 |
| 484066302 | 412 REGENCY LN | ABI | 7/1/2019 | CHANGED METER 7/1/19 |
| 299676306 | 414 REGENCY LN | ABI | 7/1/2019 | CHANGED METER 7/1/19 |
| 261276301 | 416 REGENCY LN | ABI | 7/1/2019 | CHANGED METER 7/1/19 |
| 689657303 | 418 REGENCY LN | ABI | 9/25/2019 | METER CHANGED 9/25/19 |
| 33186307 | 422 REGENCY LN | ABI | 7/1/2019 | CHANGED METER 7/1/19 |
| 44766306 | 303 REGENCY LN | ABI | 6/24/2019 | CHANGED METER 6/24/19 |
| 205736304 | 301 REGENCY LN | ABI | 8/1/2018 | METER CHANGED 8/1/18 |
| 279786305 | 309 REGENCY LN | ABI | 6/24/2019 | CHANGED METER 6/24/19 |
| 204276304 | 311 REGENCY LN | ABI | 6/24/2019 | CHANGED METER 6/24/19 |
| 205736304 | 313 REGENCY LN | ABI | 6/26/2019 | CHANGED METER 6/26/19 |
| 694966308 | 315 REGENCY LN | ABI | 6/26/2019 | METER CHANGED 6/26/19 |
| 627866308 | 323 REGENCY LN | ABI | 6/26/2019 | METER CHANGED 6/26/19 |
| 668676306 | 321 REGENCY LN | ABI | 6/26/2019 | METER CHANGED 6/26/19 |
| 610286308 | 400 HAMPTON WAY 410 | ABI | 7/15/2019 | METER CHANGED 7/15/19 |

The Company appreciates the opportunity to provide information on the areas of concern identified by the Division in the Exit Letter, including Tables 1 and 2, which demonstrate the Company has remediated all AOCs identified by the Department. The Company is committed to supporting the Division's investigation and furthering those efforts in a productive manner, including by meeting with the Division to discuss the matters set forth herein.

Also enclosed is a Motion for Protective Treatment for customer information.

Please do not hesitate to contact me with any questions you may have.

Sincerely,

Katherine M. Silver

cc: Laurie E. Weisman, General Counsel, DPU
Terrence Townsend, Public Utilities Engineer
Justin R. Evans, Public Utilities Engineer
George Sheehan, Public Utilities Engineer
Martin Poulin, V.P. & General Manager, CMA
Kenneth Christman, Esq, NCSC
Shaela Collins, Director, Regulatory Policy, CMA
Sara Rundell, Senior Counsel, NCSC
Mark Kempic, President, CMA
Kevin Sullivan, Manager, Operating Center Brockton, CMA

LOCATION: 301 REGENCY LANE

DATE OF PHOTO: 9/8/2020

MiSource
*Distribution Operations*

**Gas Standard**

| Effective Date: 08/01/2017 | **Meter Set Assembly Location and Installation Requirements** | Standard Number: **GS 3020.035** |
|---|---|---|
| Supersedes: 06/01/2016 | | Page 1 of 12 |

Companies Affected:

| | | |
|---|---|---|
| ☐ NIPSCO | ☑ CGV | ☑ CMD |
| | ☑ CKY | ☐ COH |
| | ☑ CMA | ☑ CPA |

**REFERENCE** 49 CFR Part 192.353, 192.355, 192.357, 192.467, 192.479, 24 CFR Part 3280

## 1. GENERAL

Each meter and service regulator, whether inside or outside a building, must be installed in a readily accessible location and be protected from corrosion and other damage, including, if installed outside a building, vehicular damage that may be reasonably anticipated.

For the purpose of this standard, "readily accessible" means having direct access (e.g., located outdoors), without the need to remove/open any panel, door, or similar obstruction, and with ample space for maintenance or replacement of the meter and/or regulator.

The purpose of this standard is to provide guidance for the location and installation of meter set assemblies.

For the purpose of this standard, a meter set assembly also includes, where installed, first/second/third cut (as required) service regulators.

## 2. MATERIALS

Company approved drawings should be used to fabricate meter set assemblies. In cases where a Company approved drawing is not available, use only Company stocked materials (i.e., items stocked by warehousing partner) or materials identified on Company approved drawings. Materials used shall meet or exceed the maximum allowable operating pressure (MAOP) or design pressure of the inlet and outlet pressure systems, respectively. Contact local Field Engineering for design assistance regarding high pressure meter set assemblies with no corresponding Company approved drawing, if necessary.

The use of close all-thread nipples is prohibited.

Connections made of lead or other easily damaged material shall not be used in the installation of meters or regulators.

## 3. PROTECTION FROM ATMOSPHERIC CORROSION

All above ground piping that is part of the meter set assembly shall be coated or painted with an approved material in accordance with GS 1420.050 “Coating Methods for Fabricated Stations & Settings.”

Refer to the applicable GS 1450.010 “Atmospheric Corrosion” and GS 1650.020 “Inspection of Risers and Meter Set Assemblies for Abnormal Operating Conditions” for inspection, documentation and remediation requirements with respect to atmospheric corrosion.

## 4. METER SET ASSEMBLY LOCATION

The preferred location of a meter set assembly is outside a building.

The meter set assembly should be installed in a location where damage from outside forces is not reasonably expected to occur. Examples include, but are not limited to, vehicular traffic, snow and ice, construction equipment, and falling objects. Avoid installing the meter set assembly under fire escapes.

Outside meter set assemblies shall be located such that potential damage from snow accumulation and/or falling ice and snow is limited. Locating the meter set assembly along an outside building wall under a roof gable or overhang should be sufficient protection.

The following factors should be considered when selecting a suitable location for the meter set assembly.

a. Type of road (e.g. private, residential, federal or state highway, limited access highway).
b. Road attributes (e.g. curb/no curb, guide rail/no guide rail, etc.).
c. Function of driveway (e.g., residential, commercial, industrial).
d. Type of off-road activity (e.g., four-wheeling, snowmobiling, farming operations).
e. Natural barriers, (e.g. swales, earth embankments, terrain, etc.).
f. Weather-related conditions (e.g., ice, snow, snow removal).

When it is not possible to install the meter set assembly as outlined in this section, protection shall be provided as indicated in GS 3020.040 “Meter Set Assembly Protection Residential and Small Commercial.”

When it is necessary to install a meter set assembly inside a building, refer to Section 6 “Meters and Regulators Installed Inside a Building” below for meter and regulator location requirements.

## 5. MANIFOLD METER INSTALLATIONS

A master meter valve shall be installed on the riser, except as noted below. Individual meter valves controlling each meter shall also be installed.

Exception: For an existing manifold of less than six (6) meters served by a Low Pressure system, no master meter valve is required.

If a single service regulator is installed serving multiple meters, a master meter valve shall be installed upstream of the service regulator on the riser in addition to individual meter valves controlling each meter.

If individual service regulators are installed for each meter, the meter valves shall be installed upstream of each service regulator in addition to the master meter valve installed on the riser.

On new or replaced manifold meter settings, each meter shall be identified with a weather proof tag at the meter valve, meter bar, or house piping, as close as practical to the meter, indicating the apartment number or address that it serves. On existing meter manifolds, when gas is turned on to one or more of the meters on the manifold, the meter shall be identified with a weather proof tag at the meter valve, meter bar, or house piping as close as practical to the meter indicating the apartment number or address that it serves.

## 6. METERS AND REGULATORS INSTALLED INSIDE A BUILDING

Meters installed inside a building must be located in a ventilated space and not less than three (3) feet from any source of ignition or heat which might damage the meter.

Each service regulator installed within a building must be located as near as practical to the point of service line entrance. Refer to Section 8 below for regulator venting requirements.

Where feasible, the upstream regulator in a series must be located outside the building, unless it is located in a separate metering or regulating building.

For meter set assemblies installed inside a warehouse, manufacturing, or similar building, consider protection from mobile equipment (e.g., forklifts) and potential falling objects.

## 7. METER CLEARANCE

The distance between the meter and any obstruction to the sides, rear, top, or bottom should be a minimum of six (6) inches but in no case shall the meter touch the ground. Distance between the meter and any obstruction from the front should be a minimum of 36 inches, with the exception of meter protection.

It is preferred not to install a meter set assembly under a deck/porch. However, if no other options are practical, a meter set assembly shall have sufficient access to allow for future maintenance and operation of the meter and operation of the shut-off valve. For such installations, follow the requirements contained in Section 8 below for regulator vent line installation.

## 8. SERVICE REGULATOR VENT REQUIREMENTS

Meter set assemblies with service regulator(s) shall comply with the requirements of this section. This section is not applicable for meter set assemblies supplied from low pressure pipelines or those without service regulator(s).

Service regulator vents and relief vents shall terminate outdoors where gas from the vent can escape freely into the atmosphere and away from any opening(s) into a building.

Consideration should be given as to the location of the service regulator and/or relief device to avoid sources of ignition and the possibility of vent terminal freeze-ups. Regulator vent skirts or a vent line extending the vent terminal away from the potential source of moisture should be considered if the potential for vent terminal blockage due to freeze-up is evident.

The regulator and/or relief device vent; vent line, if so equipped; screen; and cap, if present; shall be properly sized, installed, and free of blockage, restrictions or valves, with no external leakage.

Consideration should be given for protection of regulator or relief vents that are located remote from the meter set assembly. Refer to guidance in GS 3020.040 “Meter Set Assembly Protection Residential and Small Commercial.”

### 8.1 Aboveground Vent Lines

When a regulator and/or relief device is located inside a building, each regulator and/or relief device shall have a separate metallic relief vent line vented to the outdoors so in the event gas is discharged, it will not create a hazard. Under no circumstance shall the relief vent lines of separate regulators and/or relief devices be manifolded.

If tubing is used for the relief vent line, it shall be metallic and one size larger than the relief opening. In no case shall corrugated tubing be used as a regulator relief vent line.

Relief vent lines shall be as short as possible, and when in excess of ten (10) feet in length or contain more than two (2) elbows, shall be increased one nominal pipe size for each additional ten (10) feet of length. Each elbow in the vent line will contribute approximately three (3) feet in effective length, including the termination elbow.

Service regulators installed outdoors of a building requiring a relief vent line, may be equipped with a PVC vent line conforming to UL 651, schedule 40 or schedule 80 rigid PVC conduit, secured with PVC compatible joining cement/adhesive. Under no circumstance shall the relief vent line be combined with another regulator relief vent line. The same sizing guidance provided above applies.

### 8.2 Belowground Vent Lines

That portion of the regulator vent line that is exposed shall be installed in accordance with the requirements set forth in Section 8.1 of this standard. Under no circumstance shall the relief vent lines of separate regulators and/or relief devices be manifolded.

When no other alternatives exist and it becomes necessary to install a portion of the regulator vent line underground, that portion of the belowground vent line shall be constructed of:

a. Steel pipe in accordance with the requirements in the 3020 Series of the Gas Standards and protected against corrosion in reference to the 1400 series of the Gas Standards, or

b. Polyethylene pipe installed in accordance with the 3020 Series of the Gas Standards.

Relief vent lines shall be as short as possible, and when in excess of ten (10) feet in length or contain more than two (2) elbows (including the termination elbow), shall be increased one nominal pipe size for each additional ten (10) feet of length. Each elbow in the vent line will contribute approximately three (3) feet in effective length. All elbows and fittings shall be welded by a qualified welder in accordance with the applicable Company Welding Manual.

Record the location of belowground vent lines within the sketch area on Form GS 3020.012-1 “Service Line Record” in accordance with GS 3020.012 “Service Line Records.”

### 8.3 Service Regulator Vent Terminal Requirements

NOTE: All measurements shall be taken from the service regulator vent terminal (relief opening) (see Exhibits A and B).

Except as noted below, the vent terminal:

a. Shall be installed outdoors above grade, at a minimum height of 12 inches above grade.

b. In flood-prone areas (refer to Columbia Gas Emergency Manual Form 6.14), a minimum height in excess of 12 inches may be required to prevent the entry of water into the vent terminal.

c. Shall be installed to protect it from the entry of insects by a screen or an approved vent cap, and be installed so as to prevent the entry of rainwater.

d. Shall be located not less than three (3) feet radially and not directly below any rotating electrical equipment (e.g., an air conditioning unit).

e. Should be installed with a minimum of three (3) feet radial separation from an electric meter, electric panel, electric outlet, electric pedestal, electrical equipment disconnect, or pad mounted transformer, etc. When it is not possible to install the regulator vent terminal with a three (3) foot radial separation, a minimum of one (1) foot radial separation shall be maintained between the regulator vent terminal and any of the electric equipment listed above.

f. Shall be located three (3) feet radially from, and not below, any first floor opening into a building, such as a door, window(s) (that can be opened) or other gravity air opening(s) into a building (including clothes dryer exhaust terminals, and appliance air intakes).

g. Shall be located not less than ten (10) feet radially from, and not below any forced air inlet into a building (excluding appliance air intakes).

NOTE: It may be acceptable for reduced clearances from building openings and potential sources of ignition when approved self-operated diaphragm service regulators equipped with over pressure protection and vent limiting devices are installed.

## 9. METER ALIGNMENT AND SUPPORT

Each meter set assembly shall be installed in such a manner as to minimize stress on both the piping and the meter and/or service regulator. A meter set assembly shall be supported by at least one of the following methods:

a. Wall bracket (see Exhibit C).

b. Support stakes (see Exhibit D).

c. Other methods approved by leadership.

NOTE: Corrosion control methods should be considered when supporting a meter set assembly. Refer to GS 1420.050 “Coating Methods for Fabricated Stations and Settings” for guidance on coatings to be used above ground and at the soil-to-air interface for the support structure, as well as the meter set assembly. Refer to GS 1420.530 “Installation of Insulators” for guidance on insulating the setting from the support structure, if necessary.

## 10. MOBILE HOME/MANUFACTURED HOME METER SET ASSEMBLY – ADDITIONAL REQUIREMENTS

a. The meter set assembly (including service regulator if necessary), shall be rigidly supported at the service riser and at the house line outlet on the mobile/manufactured home (manufactured home). See Exhibit E.

b. The meter set assembly shall be connected to the mobile/manufactured home gas supply connection by a listed gas supply connector for manufactured homes, not less than ¾ inch I.D. tubing size, with a rated capacity equal to, or greater than the connected Btu/h rating of the connected appliances. The gas supply connection shall not be located beneath an exit door of the manufactured home and the connector end must be located outside of the skirting. See Exhibit E.

c. The gas pressure serving a manufactured home shall not exceed 14 inches water column.

d. All manufactured homes utilizing fuel gas for any purpose shall be equipped with a natural gas piping system that is acceptable for LP-gas.

## 11. CHECK METER SETTING FOR INSULATION

A visual check shall be made to ascertain that an insulator between the house lines and service line is installed. When the service line or gas carrying portion of the riser is metallic, the meter insulator shall be electrically tested with an approved instrument (refer to GS 1430.250 "Verifying Electrical Continuity and Isolation") to ensure that the insulator is working properly. If none exists or the existing one is ineffective, a new insulator shall be installed in accordance with GS 1420.530 "Installation of Insulators."

## 12. PREVENTING ELECTRICAL SHOCK

Personnel working at a customer's premise need to be aware of potential electrical shock hazards. To reduce the risk of an electric shock, employees shall make contact with the gas piping on both the inlet and outlet side of the meter set assembly with a volt meter, or at a minimum, with a non-contact voltage detector prior to any contact with the meter set assembly. Refer to HS&E Safety Notice, "Electrical Hazard - Electrical Current on a Meter Setting."

If voltage is detected, discontinue work at the site and contact the Integration Center to generate an order for service personnel to further investigate the voltage. Refer to GS 6500.100 “Residential and Small Commercial Meter Requirements” for additional guidance.

## 13. METER AND/OR REGULATOR BURIED ENCLOSURES

The preference is to install customer meters and/or regulators above ground. However, if the installation of the meter and/or regulator in a buried enclosure is necessary, the installation should be planned in a location outside of anticipated vehicular traffic. If vehicular traffic cannot be avoided, the enclosure that houses a customer meter and/or regulator shall be able to support that traffic. Contact local Field Engineering or Gas Transmission and M&R Design for design assistance if the enclosure cannot be located outside of anticipated vehicular traffic.

## 14. RECORDS

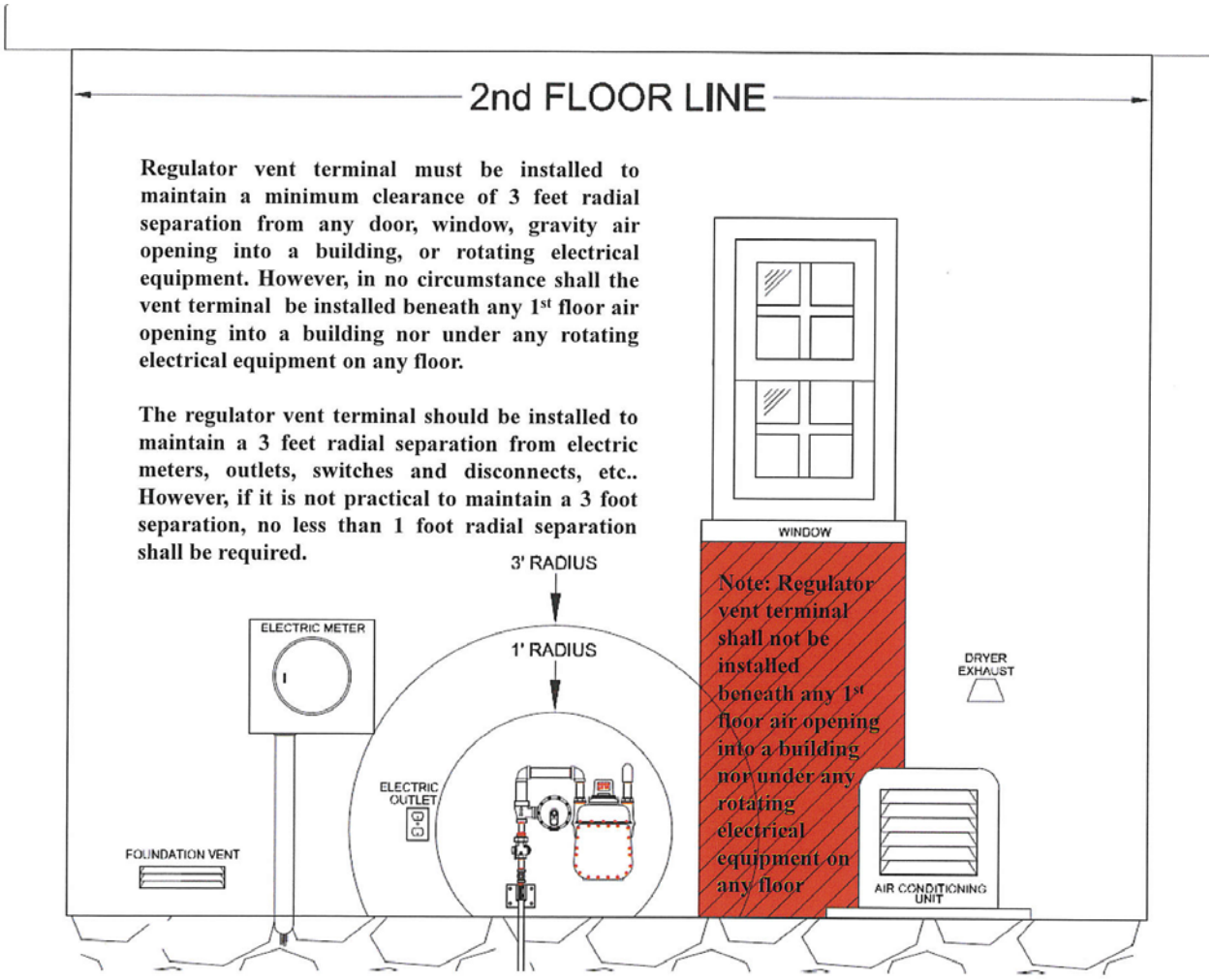
The meter set assembly location and the location of belowground vent lines shall be recorded on Form GS 3020.012-1 “Service Line Record” in accordance with GS 3020.012 “Service Line Records.”

MiSource
*Distribution Operations*

**Gas Standard**

| Effective Date: 08/01/2017 | **Meter Set Assembly Location and Installation Requirements** | Standard Number: **GS 3020.035** |
|---|---|---|
| Supersedes: 06/01/2016 | | Page 8 of 12 |

**EXHIBIT A**



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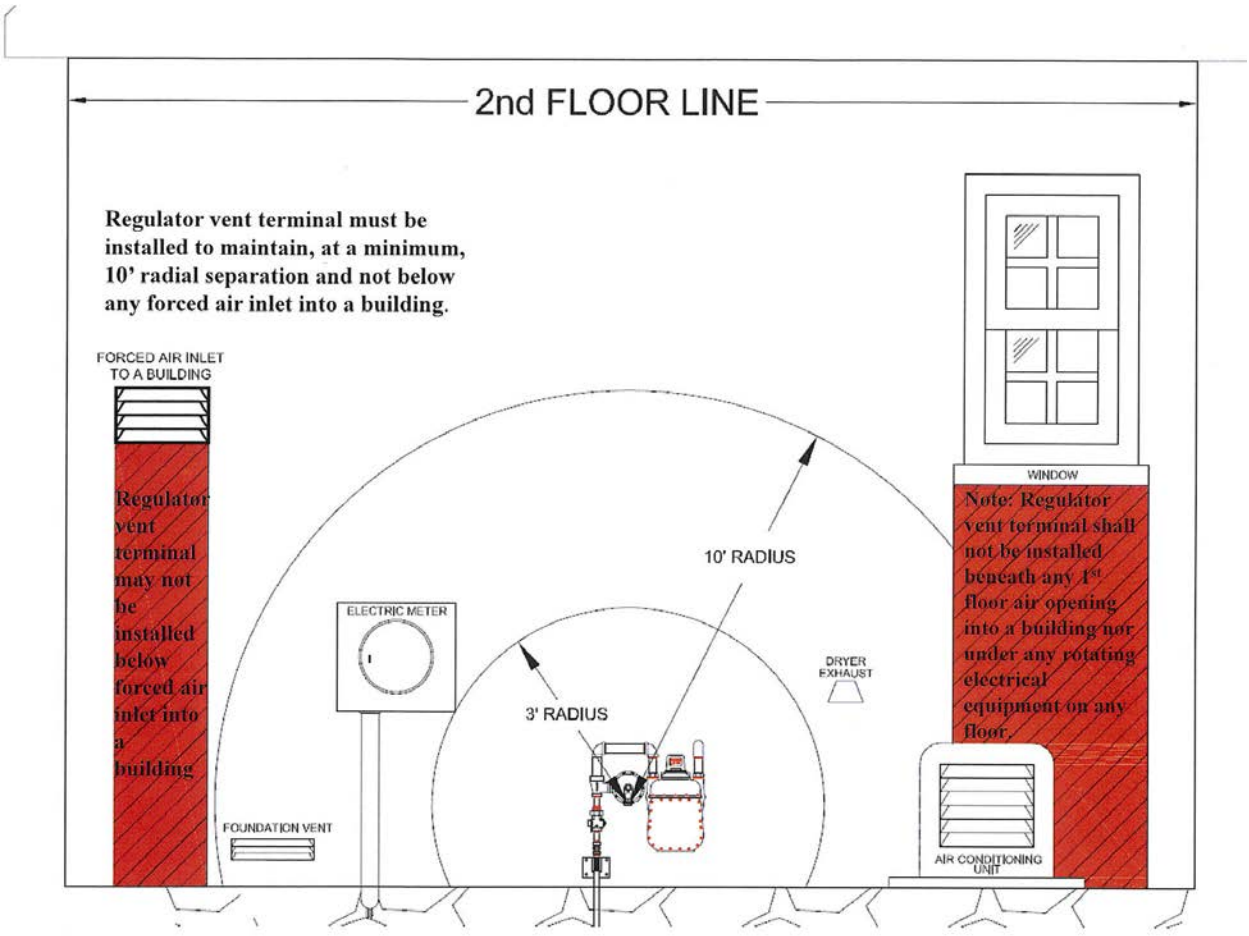
*Distribution Operations*

**Gas Standard**

| Effective Date: 08/01/2017 | **Meter Set Assembly Location and Installation Requirements** | Standard Number: **GS 3020.035** |
|---|---|---|
| Supersedes: 06/01/2016 | | Page 9 of 12 |

**EXHIBIT B**



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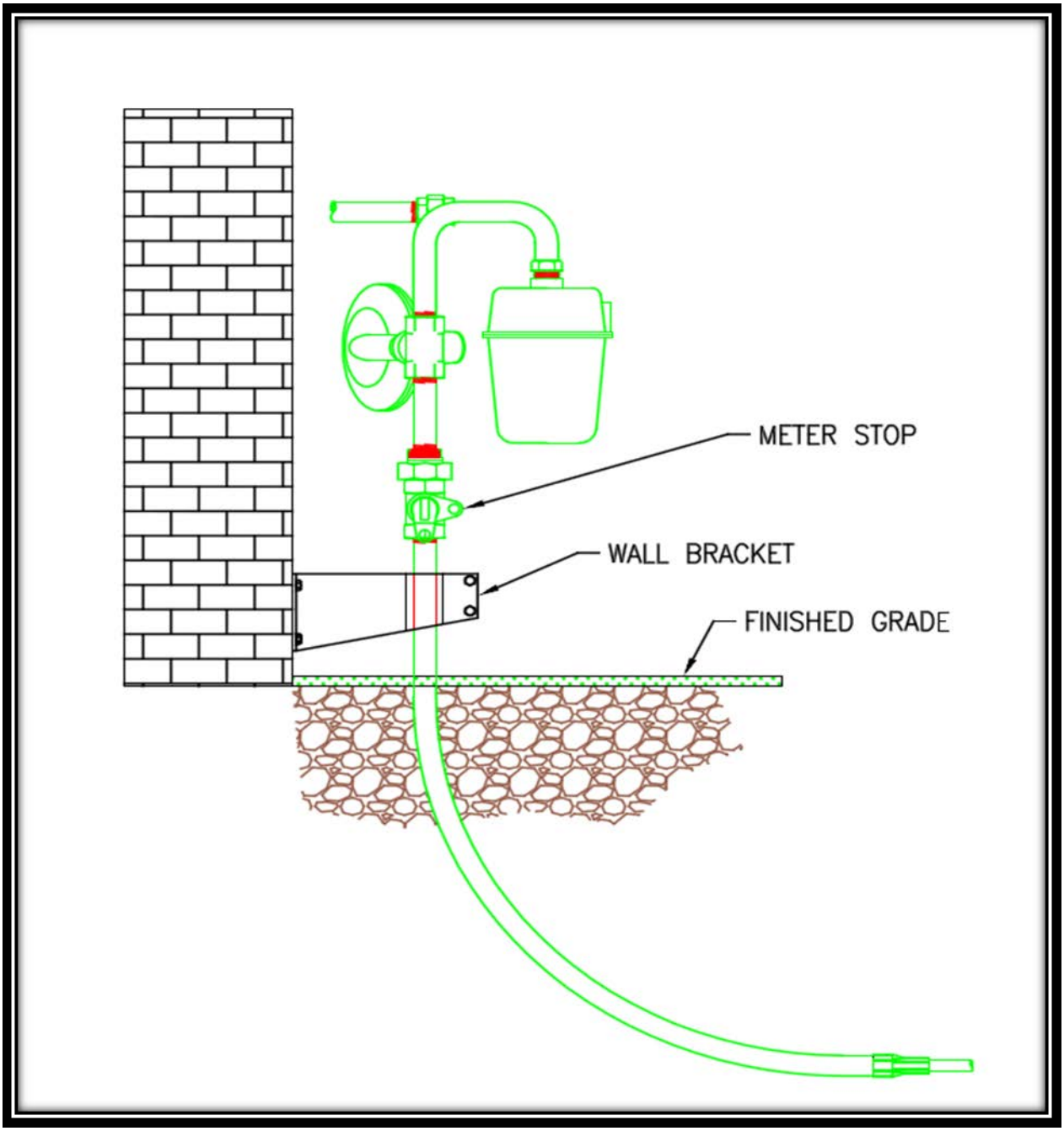
*Distribution Operations*

**Gas Standard**

| Effective Date: 08/01/2017 | **Meter Set Assembly Location and Installation Requirements** | Standard Number: **GS 3020.035** |
|---|---|---|
| Supersedes: 06/01/2016 | | Page 10 of 12 |

**EXHIBIT C**



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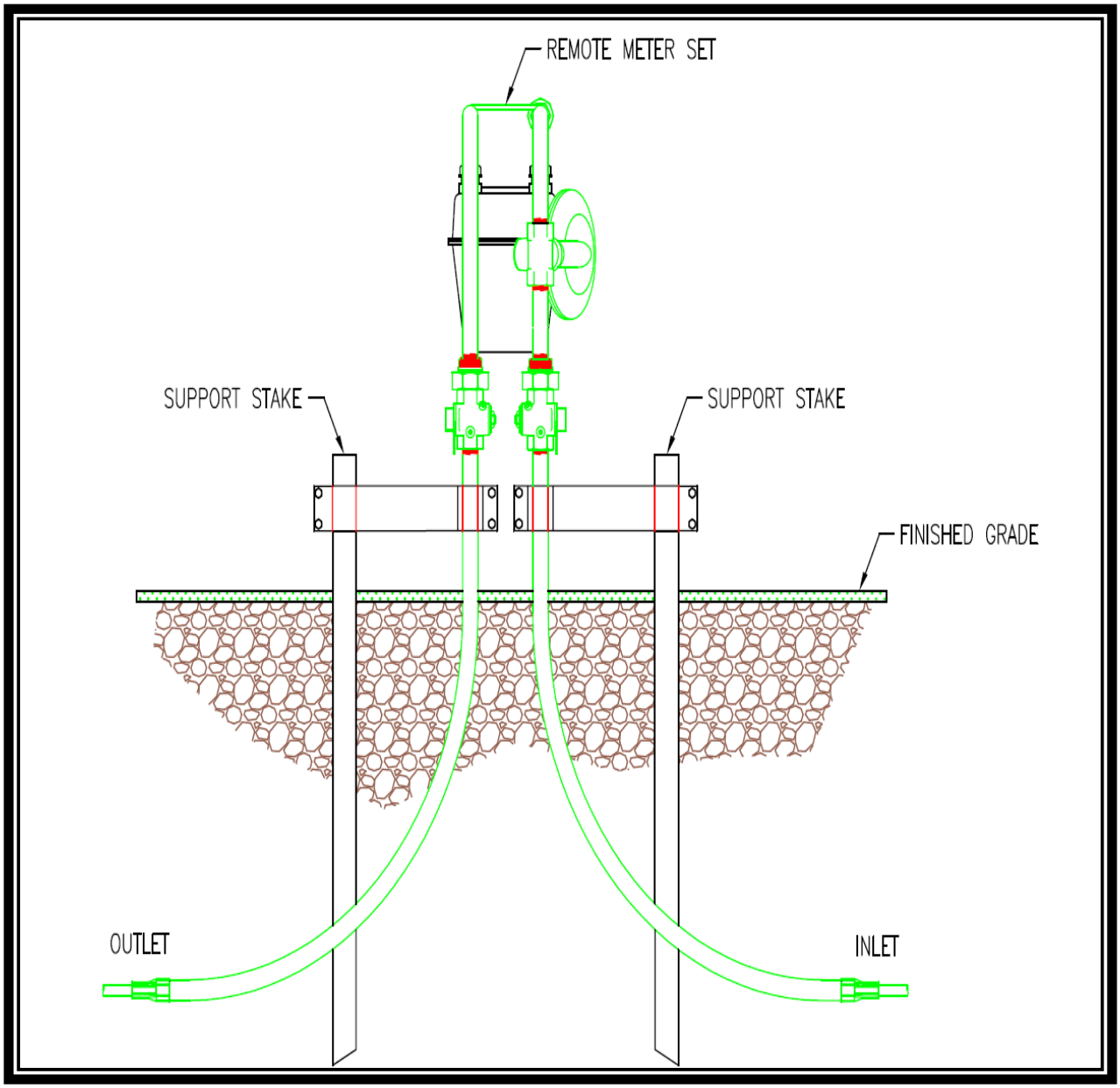
*Distribution Operations*

**Gas Standard**

| Effective Date: 08/01/2017 | **Meter Set Assembly Location and Installation Requirements** | Standard Number: **GS 3020.035** |
|---|---|---|
| Supersedes: 06/01/2016 | | Page 11 of 12 |

**EXHIBIT D**



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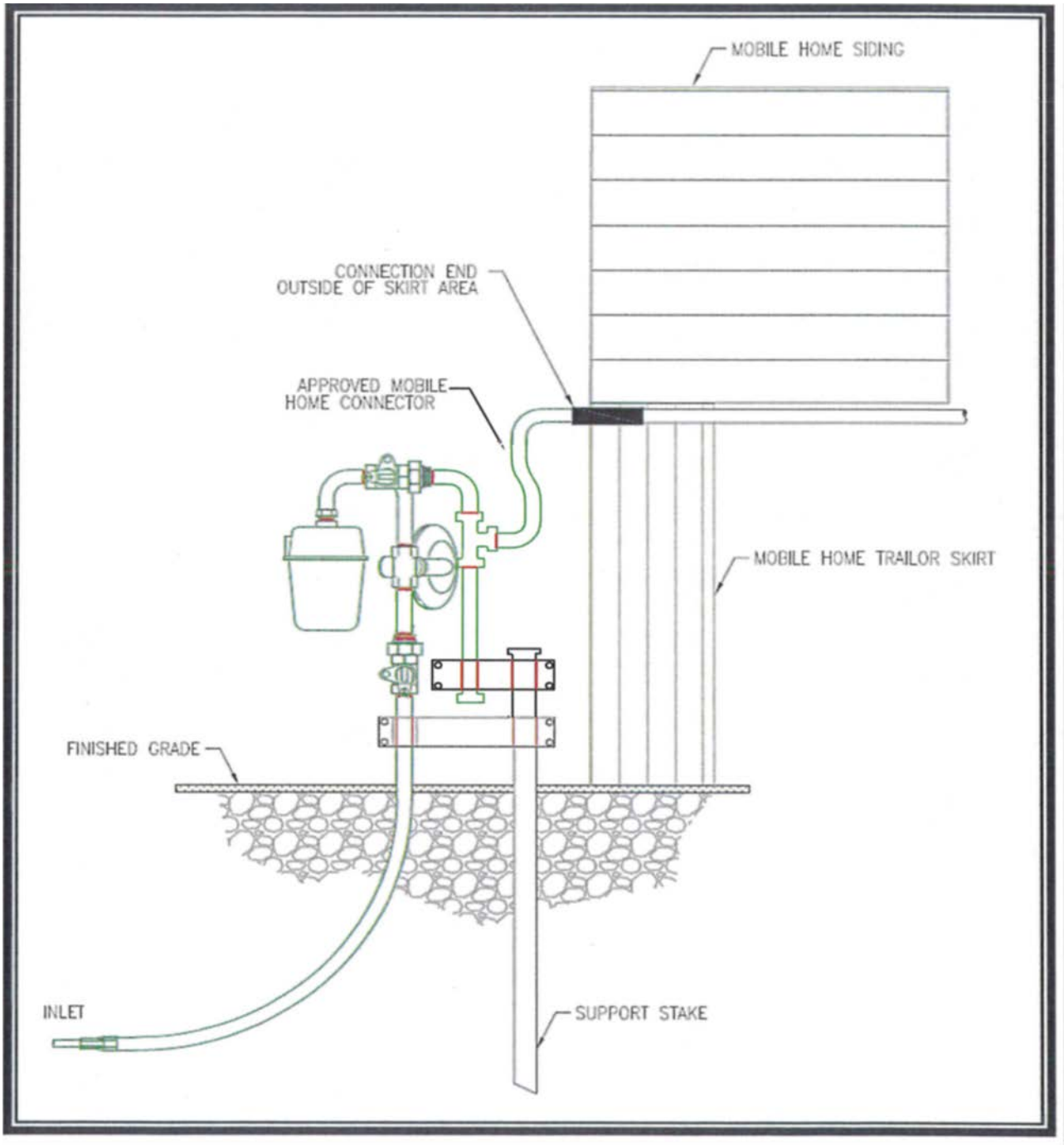
**Gas Standard**

| Effective Date: 08/01/2017 | **Meter Set Assembly Location and Installation Requirements** | Standard Number: **GS 3020.035** |
|---|---|---|
| Supersedes: 06/01/2016 | | Page 12 of 12 |

**EXHIBIT E**



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*Distribution Operations*

**Gas Standard**

| Effective Date: 06/01/2016 | **Meter Set Assembly Protection Residential and Small Commercial** | Standard Number: **GS 3020.040** |
|---|---|---|
| Supersedes: N/A | | Page 1 of 7 |

| Companies Affected: | | |
|---|---|---|
| ☐ NIPSCO | ☐ CGV<br>☑ CKY<br>☑ CMA | ☑ CMD<br>☑ COH<br>☑ CPA |

**REFERENCE** Title 49 CFR 192.353

## 1. GENERAL

Each meter and service regulator, whether inside or outside a building, shall be installed in a readily accessible location and be protected from corrosion and other damage, including, if installed outside a building, vehicular damage that may be reasonably anticipated.

For the purpose of this standard, "readily accessible" means having direct access (e.g., located outdoors), without the need to remove/open any panel, door, or similar obstruction, and with ample space for maintenance or replacement of the meter and/or regulator.

This standard sets forth the requirements for protecting new, replaced, and existing residential and small commercial outside meter set assemblies. For the purpose of this standard, a meter set assembly also includes, where installed, first/second/third cut (as required) service regulators.

For large commercial and industrial meter set assembly and/or service regulator protection requirements, refer to the following applicable gas standards.

| | |
|---|---|
| GS 2300.030, “Metering Station Design-8C to 23M Rotary Meters” | GS 2300.040, “Metering Station Design-Turbine Meters” |

For existing meter protection that does not meet the requirements of this gas standard (e.g., no meter protection; inadequate meter protection, such as smaller bollards or inadequate bollard spacing), document and remediate according to the applicable version of GS 1650.020 “Inspection of Risers and Meter Set Assemblies for AOCs” or GS 1650.020(VA) “Inspection Program for Risers and Meter Set Assemblies for AOCs.” If no version of GS 1650.020 is applicable, report meter set assembly protection concerns to local leadership.

## 2. LOCATION

For meter set assembly location requirements, refer to GS 3020.035 “Meter Set Assembly Location and Installation Requirements.”

When it is not possible to install the meter set assembly as outlined in GS 3020.035 “Meter

Set Assembly Location and Installation Requirements," protection shall be provided as indicated in Section 3 below.

## 3. INSTALLATION OF METER SET ASSEMBLY PROTECTION

### 3.1 Protection from Vehicular Damage - Bollards

Except for an engineered meter set assembly protection design, bollards shall be installed to protect the meter set assembly as set forth in this section.

See Exhibits A, B, C, D and E for typical bollard application, spacing and installation requirements.

### 3.2 Protection from Snow and Ice

Where a roof overhang does not cover the meter set assembly, consideration shall be given to providing additional protection (e.g., protective meter enclosure) in locations where it is reasonably anticipated that snow or ice accumulation could negatively impact the meter set.

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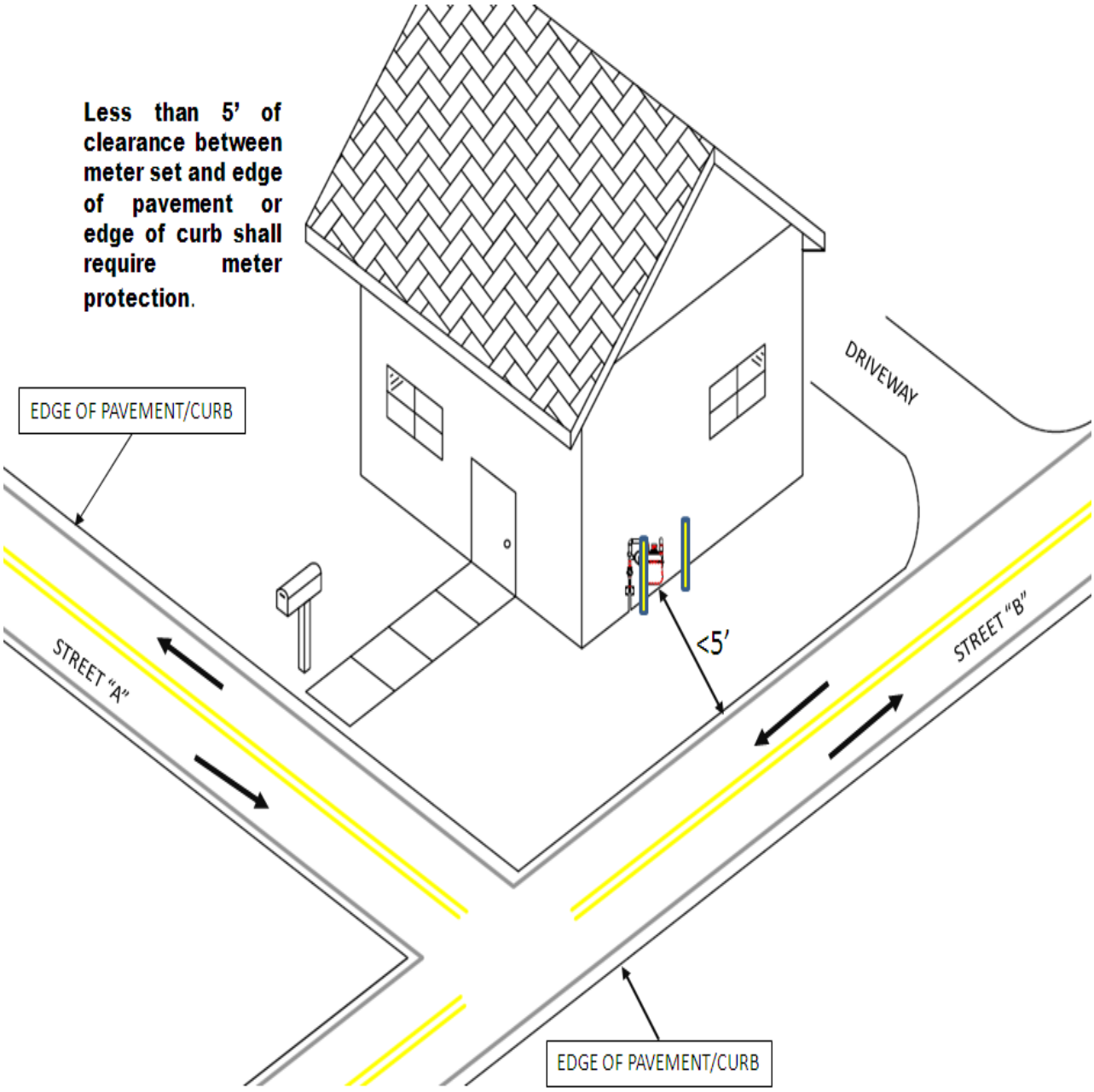
**Gas Standard**

| Effective Date: 06/01/2016 | **Meter Set Assembly Protection Residential and Small Commercial** | Standard Number: **GS 3020.040** |
|---|---|---|
| Supersedes: N/A | | Page 3 of 7 |

**EXHIBIT A**



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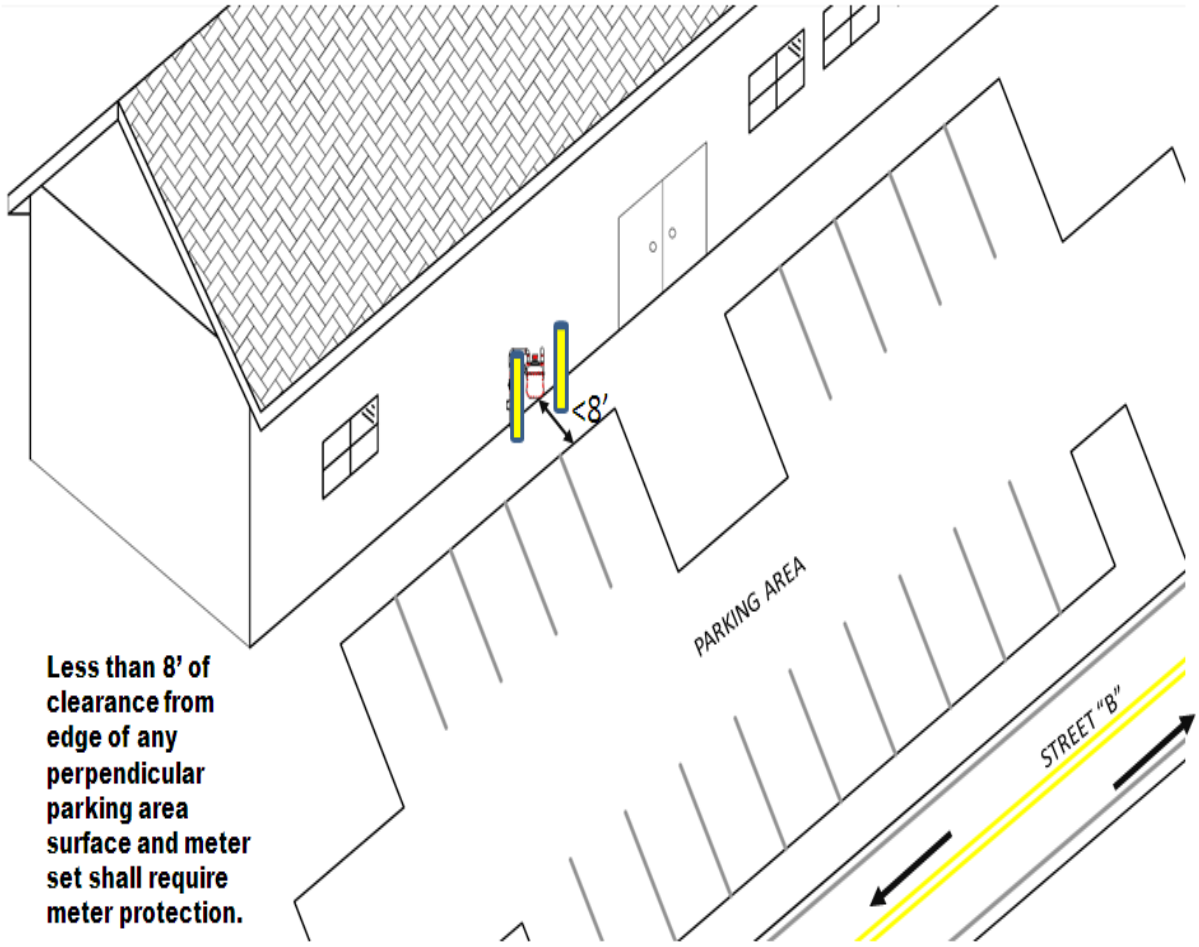
**Gas Standard**

| Effective Date: 06/01/2016 | **Meter Set Assembly Protection Residential and Small Commercial** | Standard Number: **GS 3020.040** |
|---|---|---|
| Supersedes: N/A | | Page 4 of 7 |

**EXHIBIT B**




**Less than 8' of clearance from edge of any perpendicular parking area surface and meter set shall require meter protection.**

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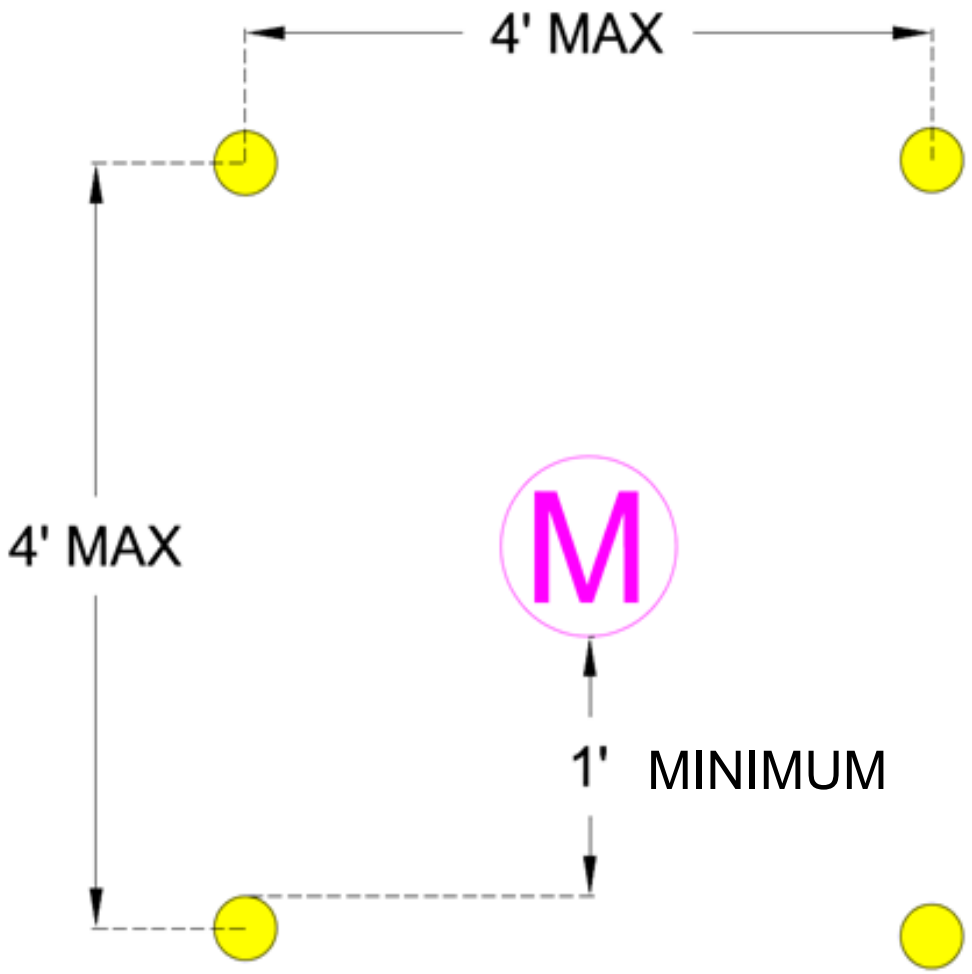
**Gas Standard**

| Effective Date: 06/01/2016 | **Meter Set Assembly Protection Residential and Small Commercial** | Standard Number: **GS 3020.040** |
|---|---|---|
| Supersedes: N/A | | Page 5 of 7 |

**EXHIBIT C**

**Typical Remote Meter Set**




NOTE: Actual site location will dictate if bollards need to be spaced closer than 4’ apart (e.g., farm field or wooded area where snowmobiles or all-terrain vehicle may be anticipated in the area.)

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**Gas Standard**

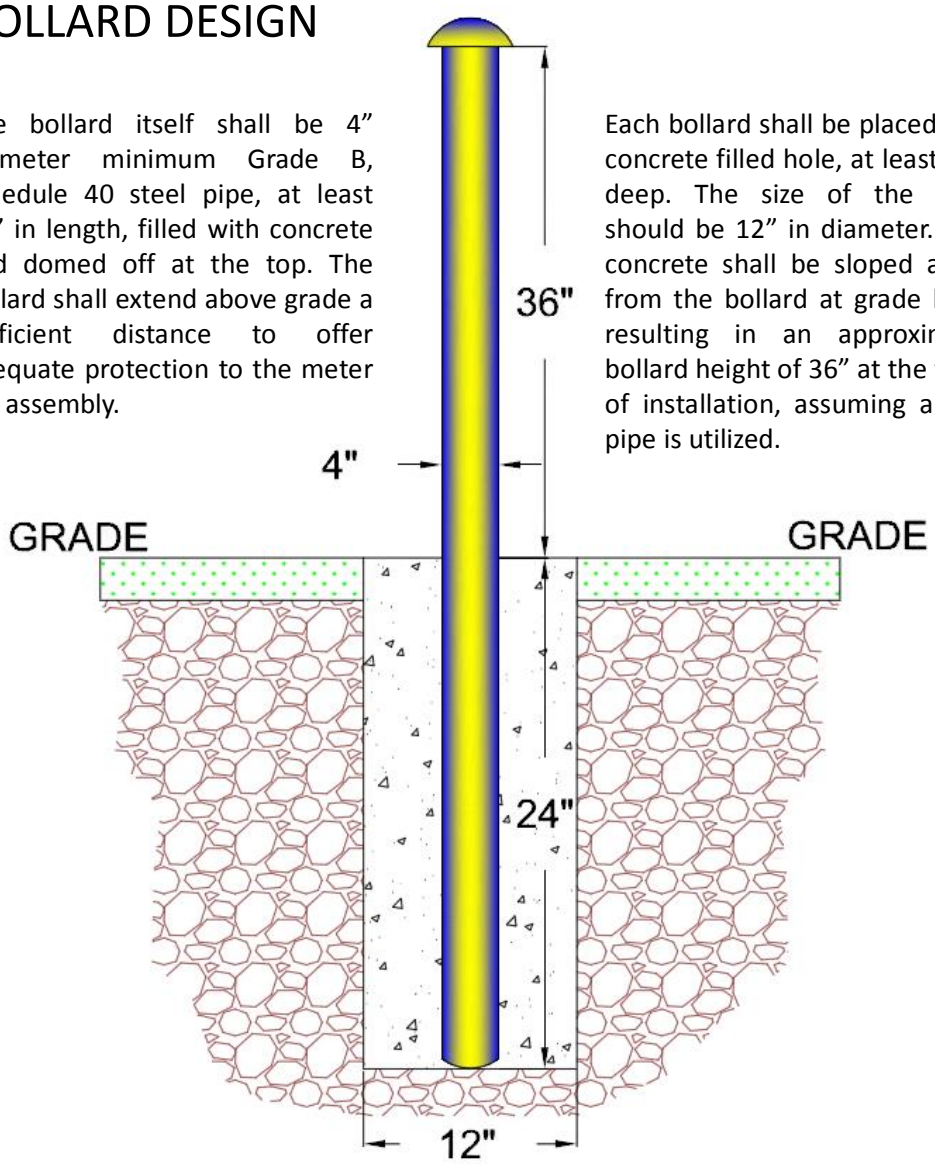
| Effective Date: 06/01/2016 | **Meter Set Assembly Protection Residential and Small Commercial** | Standard Number: **GS 3020.040** |
|---|---|---|
| Supersedes: N/A | | Page 6 of 7 |

**EXHIBIT D**

# STANDARD BOLLARD DESIGN

The bollard itself shall be 4" diameter minimum Grade B, schedule 40 steel pipe, at least 60" in length, filled with concrete and domed off at the top. The bollard shall extend above grade a sufficient distance to offer adequate protection to the meter set assembly.

Each bollard shall be placed in a concrete filled hole, at least 24" deep. The size of the hole should be 12" in diameter. The concrete shall be sloped away from the bollard at grade level resulting in an approximate bollard height of 36" at the time of installation, assuming a 60" pipe is utilized.



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*Distribution Operations*

**Gas Standard**

| Effective Date: 06/01/2016 | **Meter Set Assembly Protection Residential and Small Commercial** | Standard Number: **GS 3020.040** |
|---|---|---|
| Supersedes: N/A | | Page 7 of 7 |

**EXHIBIT E**

Bollard Installation Requirements

- Meter settings located less than 5 feet from a roadway, driveway or driving surface edge or road side edge of curb, shall be protected by the installation of at least 2 bollards.

- Meter settings exposed to perpendicular vehicle parking shall have at least 2 bollards installed if the curb edge or edge of driving surface is less than 8 feet from the meter set.

- Maximum spacing of bollards is 4 feet on center.

- If more than 2 bollards are required to protect the meter set assembly, the maximum spacing of the bollards shall not exceed 4 feet.

- Bollards shall be installed no closer than 1 foot from the front of the meter set assembly and shall be positioned to allow adequate room for operation and maintenance activities.

NOTES: A deviation from the standard 4” diameter bollard may be considered in residential, low speed, locations (e.g., where meter protection is required due to close proximity to a driveway). Any deviation from the above requirements shall be approved by local leadership overseeing the installation of the bollards and documented on the Service Line Record (see GS 3020.012 “Installation of Service Lines – Records”).

| TOPIC: | Training on gas standards GS 3020.035 and GS 3020.040 | |
|---|---|---|
| Employee Name | Date of Training | Instructor(s) |
| Mark Bishop | 8/18/2020 | Alyssa Severino |
| Chris Deluca | 8/18/2020 | Alyssa Severino |
| Jim Flaherty | 8/18/2020 | Alyssa Severino |
| Mike DiChristopher | 8/18/2020 | Alyssa Severino |
| Tom McCarthy | 8/18/2020 | Alyssa Severino |
| Clint Shone | 8/18/2020 | Alyssa Severino |
| Richard Gardner | 8/18/2020 | Alyssa Severino |
| Brian Kelleher | 8/18/2020 | Alyssa Severino |
| Thomas Werbiskis | 8/22/2020 | George Ghareeb |
| Jeffery Kolodziej | 9/15/2020 | George Ghareeb |
| Stephen Andras | 9/15/2020 | George Ghareeb |
| Robert Biron | 8/22/2020 | George Ghareeb |
| Walter Piekarski | 9/15/2020 | George Ghareeb |
| Dale Thouin | 8/22/2020 | George Ghareeb |
| Eric Fenton | 8/22/2020 | George Ghareeb |
| James Nodwell | 8/22/2020 | George Ghareeb |
| Grzegorz Galicki | 8/22/2020 | George Ghareeb |
| Renee Lafleche | 9/15/2020 | George Ghareeb |
| Dan Holve | 8/22/2020 | George Ghareeb |
| Scott Lessing | 8/22/2020 | George Ghareeb |
| Timothy Fitzpatrick | 9/16/2020 | Ken Wells |
| Joe Sousza | 8/30/2020 | Ken Wells; Jen Angelari |
| Brandon Ceglanski | 8/20/2020 | Ken Wells; Jen Angelari |
| Steve Bezemes | 8/20/2020 | Ken Wells; Jen Angelari |
| William Broderick | 8/20/2020 | Ken Wells; Jen Angelari |
| Dennis Matthews | 8/20/2020 | Ken Wells; Jen Angelari |
| David Murphy | Short Term Disability | |
| Kyle Brigham | 9/16/2020 | Ken Wells |
| Donaldo Estevam | 9/16/2020 | Ken Wells |
| Larry Bezemes | 9/22/2020 | Ken Wells; Jen Angelari |
| Mike Johnson | 9/22/2020 | Ken Wells; Jen Angelari |
| James Samowski | 9/16/2020 | Ken Wells |
| David Williams | 9/22/2020 | Ken Wells; Jen Angelari |
| Steve Malenfant | 8/20/2020 | Ken Wells; Jen Angelari |
| Robert Forester | 8/20/2020 | Ken Wells; Jen Angelari |
| Chelsea Slates | 8/20/2020 | Ken Wells; Jen Angelari |
| Lisa Broderick | 8/20/2020 | Ken Wells; Jen Angelari |
| Sharon Sumner | 8/20/2020 | Ken Wells; Jen Angelari |
| Rick Bedard | Short Term Disability | |
| Joe Curran | 8/24/2020 | Mike Francis |
| Steve Cassie | 8/24/2020 | Mike Francis |
| Russ Berry | 8/24/2020 | Mike Francis |
| Chris janelle | 8/24/2020 | Mike Francis |
| Michael Neal | 8/24/2020 | Mike Francis |
| Michael Sottili | 8/24/2020 | Mike Francis |

| | | |
|---|---|---|
| Joseph Fiorante | 8/24/2020 | Mike Francis |
| Bob McCann | 8/24/2020 | Mike Francis |
| Brian Hanion | 8/24/2020 | Mike Francis |
| Tyler Gallardetz | 9/23/2020 | Mike Francis |
| Joshua Desrosiers | 8/30/2020 | Ken Wells; Jen Angelari |
| Frank Efezokhae | 8/24/2020 | Mike Francis |
| Sean Pollard | 8/24/2020 | Mike Francis |
| Steven fiers | 8/24/2020 | Mike Francis |
| Jeffrey Kandrotas | 8/24/2020 | Mike Francis |
| Michael Six | 8/24/2020 | Mike Francis |
| Garret Suliveras | 8/21/2020 | Mark Vigeant |
| Glen Harrington | 8/21/2020 | Mark Vigeant |
| William Dubois | 8/21/2020 | Mark Vigeant |
| Brian Donovan | 8/21/2020 | Mark Vigeant |
| Derek Souza | 8/21/2020 | Mark Vigeant |
| Sean Foley | 8/21/2020 | Mark Vigeant |
| Kevin Hanlon | 8/21/2020 | Mark Vigeant |
| Ryan Landry | 8/21/2020 | Mark Vigeant |
| Nate Carroll | 8/21/2020 | Chris Campo |
| Tim Stanton | 8/22/2020 | Chris Campo |
| Joe Sapienza | 8/23/2020 | Chris Campo |
| Angel Vargas | 8/24/2020 | Ray Roy |
| Joseph Marino | 8/24/2020 | Ray Roy |
| Ryan Howe | 8/24/2020 | Ray Roy |
| Nathan Desrochers | 8/24/2020 | Ray Roy |
| Matthew Fagundes | 8/24/2020 | Ray Roy |
| Ismael Sanabria | 8/24/2020 | Ray Roy |
| Jason Ferreira | 8/24/2020 | Ray Roy |
| Cody Malenfant | 8/24/2020 | Ray Roy |
| Victor Monroy | 8/24/2020 | Ray Roy |
| Miguel Diaz | 8/24/2020 | Ray Roy |
| Ian Dawkins | 8/24/2020 | Ray Roy |
| Joe Harrold | 8/24/2020 | Ray Roy |
| Ray McNutt | 8/24/2020 | Ray Roy |
| Raymond Roy | 8/24/2020 | Chris Campo |
| Ryan DeCoste | 8/24/2020 | Chris Campo |
| Mark Vigeant | 8/24/2020 | Chris Campo |
| Robert McCabe | 8/24/2020 | Chris Campo |
| Mike Francis | 8/24/2020 | Chris Campo |
| Thomas Leary | 8/20/2020 | David Bayeur |
| Steven Lemire | 8/20/2020 | David Bayeur |
| Brett Colson | Short Term Disability | |
| Paul Byrne | 8/20/2020 | David Bayeur |
| William Snow | 9/14/2020 | Khristina Armstrong |
| Jason McCarthy | 8/20/2020 | David Bayeur |
| Jason Ferrero | 9/14/2020 | Khristina Armstrong |
| Matthew Bogacz | 8/20/2020 | David Bayeur |

| | | |
|---|---|---|
| Carlo Camerota | 8/20/2020 | David Bayeur |
| Thomas Fitzell | 8/20/2020 | David Bayeur |
| Shawn Riley | 8/20/2020 | David Bayeur |
| Nicholas Bisson | 8/20/2020 | David Bayeur |
| James Skrocki | 9/15/2020 | George Ghareeb |
| Jamie Buiso | 8/19/2020 | Rick Ross |
| Emmett Callahan | 8/19/2020 | Rick Ross |
| Robert Caron | 8/19/2020 | Rick Ross |
| Adam Christensen | 8/19/2020 | Rick Ross |
| Jared Cousineau | 9/14/2020 | Khristina Armstrong |
| Michael Downie | 8/19/2020 | Rick Ross |
| Artur Formejster | 8/19/2020 | Rick Ross |
| Nicholas Hedge | 8/19/2020 | Rick Ross |
| Kenneth Hodge | 9/15/2020 | George Ghareeb |
| Edward Kopyscinski | 8/19/2020 | Rick Ross |
| Anthony Manzi | 8/19/2020 | Rick Ross |
| Thomas mehlich | 8/19/2020 | Rick Ross |
| Mark Ogorzalek | 8/20/2020 | Rick Ross |
| Michael Poindexter | 8/19/2020 | Rick Ross |
| Henry Proko | 8/19/2020 | Rick Ross |
| William Richardson | 8/19/2020 | Rick Ross |
| Fernando Rodriguez | 9/14/2020 | Khristina Armstrong |
| Thomas Saloio | 9/14/2020 | Khristina Armstrong |
| Robert Say | 9/14/2020 | Khristina Armstrong |
| Geoffrey Simpson | 8/19/2020 | Rick Ross |
| Donald Veilleux | 8/19/2020 | Rick Ross |
| Gary Whalen | 8/20/2020 | Rick Ross |
| James Ramage | 8/19/2020 | Rick Ross |
| Andrew Grassetti | 9/14/2020 | Khristina Armstrong |
| Scott Ingram | 8/18/2020 | Mark Bronner |
| Keith LeBlanc | 8/18/2020 | Mark Bronner |
| Sam Loftus | 8/18/2020 | Mark Bronner |
| Matthew Rokosz | 8/18/2020 | Mark Bronner |
| Richard Rousseau | 8/18/2020 | Mark Bronner |
| Nicholas Schott | 8/18/2020 | Mark Bronner |
| Kurt Sears | 8/18/2020 | Mark Bronner |
| Jeffrey Zajac | 8/18/2020 | Mark Bronner |
| Brendan Baker | Military | |
| Andrew Betsold | 8/13/2020 | Steven Negron; John Baker |
| Daniel Blinn | 8/13/2020 | Steven Negron; John Baker |
| Matthew Carrington | 8/13/2020 | Steven Negron; John Baker |
| Matthew Cavallo | 8/13/2020 | Steven Negron; John Baker |
| Randolph Christian | 8/13/2020 | Steven Negron; John Baker |
| Melvin Cosme | 8/13/2020 | Steven Negron; John Baker |
| Kevin Docherty | 8/13/2020 | Steven Negron; John Baker |
| Marcio Duarte | 8/13/2020 | Steven Negron; John Baker |
| Patrick Earle | 8/13/2020 | Steven Negron; John Baker |

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|---|---|---|
| Joseph Efantis | 8/13/2020 | Steven Negron; John Baker |
| John Fiorini | 8/13/2020 | Steven Negron; John Baker |
| Robert Fritz | 8/13/2020 | Steven Negron; John Baker |
| Kevin Ghareeb | 9/9/2020 | Steven Negron |
| Joshua Grandfield | 8/13/2020 | Steven Negron; John Baker |
| Conner Harris | 8/13/2020 | Steven Negron; John Baker |
| Todd Kelley | 8/13/2020 | Steven Negron; John Baker |
| Christopher Lenkowski | 8/13/2020 | Steven Negron; John Baker |
| Andrew Love | 8/13/2020 | Steven Negron; John Baker |
| Raymond Mitchell | 8/13/2020 | Steven Negron; John Baker |
| Matthew Mongeon | 8/13/2020 | Steven Negron; John Baker |
| James Moylan | 8/13/2020 | Steven Negron; John Baker |
| Federico Nieves | 8/13/2020 | Steven Negron; John Baker |
| David O'Keefe | 8/13/2020 | Steven Negron; John Baker |
| Michael Poirier | 8/13/2020 | Steven Negron; John Baker |
| Jeremy Provost | 8/13/2020 | Steven Negron; John Baker |
| Christopher Roy | 8/13/2020 | Steven Negron; John Baker |
| Johnathan Stone | 8/13/2020 | Steven Negron; John Baker |
| Jeremy Wizerman | 8/13/2020 | Steven Negron; John Baker |
| Nicholas Monahan | 8/13/2020 | Steven Negron; John Baker |
| Joseph Efantis | 8/13/2020 | Steven Negron; John Baker |
| Fernando Aguirre | 8/21/2020 | Robin Greeley |
| Kimberly Angelo | 8/21/2020 | Robin Greeley |
| Heriberto Ayala | 8/21/2020 | Robin Greeley |
| Michale Brouillette | 8/21/2020 | Robin Greeley |
| Seth Bush | 8/21/2020 | Robin Greeley |
| Stephen Lampro | 9/9/2020 | Robin Greeley |
| Peter marcotte | 8/21/2020 | Robin Greeley |
| Isaac Rivera | 8/21/2020 | Robin Greeley |
| Anthony Rogers | 8/21/2020 | Robin Greeley |
| Richard Viens | 8/21/2020 | Robin Greeley |
| John Weir | 8/21/2020 | Robin Greeley |
| Crystal Whalen | Long Term Disability | |
| Angel Cruz | 8/21/2020 | Robin Greeley |
| Kevin Barnes | 8/21/2020 | Scott Goodwin |
| Michael Brunelle | 8/21/2020 | Scott Goodwin |
| Luis Cotto | 8/21/2020 | Scott Goodwin |
| Brian Douthwright | 8/21/2020 | Scott Goodwin |
| Juan Fuentes | 8/21/2020 | Scott Goodwin |
| Christopher Hartmann | 8/21/2020 | Scott Goodwin |
| Jon Lamountain | 9/9/2020 | Robin Greeley |
| Daniel Maslowski | 8/21/2020 | Scott Goodwin |
| Jeremy Rodrigues | 8/21/2020 | Scott Goodwin |
| Michael Rokosz | 8/21/2020 | Scott Goodwin |
| Juan Suarez | 8/21/2020 | Scott Goodwin |
| Greg Miner | 8/21/2020 | Scott Goodwin |
| Michael Brady | 8/20/2020 | Carl Herisse |

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| Francey Paul | 8/20/2020 | Carl Herisse |
| Scott Risotti | 8/20/2020 | Carl Herisse |
| Woodford Gordon | 8/20/2020 | Carl Herisse |
| Kimani Carleton | 8/20/2020 | Carl Herisse |
| Howard Lake | 8/20/2020 | Carl Herisse |
| Sean Stewart | 8/20/2020 | Carl Herisse |
| Brian Doyle | 8/20/2020 | Carl Herisse |
| Gary Parece | 8/20/2020 | Carl Herisse |
| Bret Vickery | 8/20/2020 | Carl Herisse |
| Kelan Galligan | 8/20/2020 | Carl Herisse |
| Thomas Puopolo | 8/20/2020 | Carl Herisse |
| Kyle Wasylow | 8/20/2020 | Carl Herisse |
| James Duhamel | 8/28/2020 | Kevin Brooks |
| Troy Duarte | 8/28/2020 | Kevin Brooks |
| William Greene | 8/28/2020 | Kevin Brooks |
| Nick Pothier | 8/28/2020 | Kevin Brooks |
| Brian mcMullin | 8/28/2020 | Kevin Brooks |
| Josh Rameau | 8/28/2020 | Kevin Brooks |
| Michael Edwards | 8/28/2020 | Kevin Brooks |
| Bill McRae | 8/28/2020 | Kevin Brooks |
| Eric Sundberg | 8/28/2020 | Kevin Brooks |
| Chris Augenti | 8/28/2020 | Kevin Brooks |
| Paul Poitras | 8/28/2020 | Kevin Brooks |
| Brandon Lee | 8/28/2020 | Kevin Brooks |
| John Ginnetty | 8/28/2020 | Kevin Brooks |
| William Curtis | 8/20/2020 | Jon Hunter |
| Stephen Doherty | 8/20/2020 | Jon Hunter |
| Jason Ford | 8/20/2020 | Jon Hunter |
| Julie Hallisey | 8/20/2020 | Jon Hunter |
| Timothy Heath | 8/20/2020 | Jon Hunter |
| Robert Johnson | 8/20/2020 | Jon Hunter |
| Arthur Jones | 8/20/2020 | Jon Hunter |
| William Kearney | 8/20/2020 | Jon Hunter |
| John Pringle | 8/20/2020 | Jon Hunter |
| Kevin Santos | 8/20/2020 | Jon Hunter |
| Luis Travassos | 8/20/2020 | Jon Hunter |
| Stephen Doherty | 8/21/2020 | Steven Davis |
| David Larrimore | 8/21/2020 | Steven Davis |
| David Lopes | 8/21/2020 | Steven Davis |
| Tim Greene | 8/21/2020 | Steven Davis |
| Chris Asack | 8/21/2020 | Steven Davis |
| John Hallisey | 8/21/2020 | Steven Davis |
| Cole Methot | 8/21/2020 | Steven Davis |
| Adam Partee | 8/21/2020 | Steven Davis |
| Paul Francey | 8/21/2020 | Steven Davis |
| Dylan St. Laurent | 8/21/2020 | Steven Davis |
| Paul Hucksam | 8/21/2020 | Steven Davis |

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| Brian Bassett | 8/21/2020 | Steven Davis |
| Brendan Wayslow | 8/21/2020 | Steven Davis |
| Corey Dixon | 8/21/2020 | Steven Davis |
| Adam Bemis | 8/21/2020 | Steven Davis |
| Jason Conly | 8/20/2020 | Michael Moniz |
| John Lettieri | 8/20/2020 | Michael Moniz |
| Rodolpho Pena | 8/20/2020 | Michael Moniz |
| Fancis Walsh | 8/20/2020 | Michael Moniz |
| Daniel Croyle | 8/20/2020 | Michael Moniz |
| David Lopes | 8/20/2020 | Michael Moniz |
| Thiago Raggi | 8/20/2020 | Michael Moniz |
| Ian Wellington | 8/20/2020 | Michael Moniz |
| John Dayter | 8/20/2020 | Michael Moniz |
| Derek Lyon | 8/20/2020 | Michael Moniz |
| Faustino Resendes | 8/20/2020 | Michael Moniz |
| Dwight Williamson | 8/20/2020 | Michael Moniz |
| Sean Devaney | 8/20/2020 | Michael Moniz |
| Ryan Pascarelli | 8/20/2020 | Michael Moniz |
| Justin Santocristo | 8/20/2020 | Michael Moniz |
| Steve Zdonek | 8/20/2020 | Michael Moniz |
| Marc Campea | 8/20/2020 | Adam Rivers |
| John Curry | 8/20/2020 | Adam Rivers |
| John Lemieux | 8/20/2020 | Adam Rivers |
| William Hill | 8/20/2020 | Adam Rivers |
| Michael Chapman | 8/20/2020 | Adam Rivers |
| Michael Daxberger | 8/20/2020 | Adam Rivers |
| David McKinnon | 8/20/2020 | Adam Rivers |
| Matthew Clifford | 8/20/2020 | Adam Rivers |
| Zack Desouza | 8/20/2020 | Adam Rivers |
| Scott Barba | 8/20/2020 | Adam Rivers |
| Daniel Cobb | 8/20/2020 | Adam Rivers |
| John Dodd | 8/20/2020 | Adam Rivers |
| Stephen Prior | 8/20/2020 | Adam Rivers |
| Victor Santiago | 8/20/2020 | Adam Rivers |
| Mike Cataloni | 8/18/2020 | John Stevens |
| Tom Monahan | 8/18/2020 | John Stevens |
| Tim Skinner | 8/18/2020 | John Stevens |
| Carlos Figueroa | 8/18/2020 | John Stevens |
| Tim Sousa | 8/18/2020 | John Stevens |
| Tom Cornetta | 8/18/2020 | John Stevens |
| Gene McKenna | 8/18/2020 | John Stevens |
| Steve kane | 8/18/2020 | John Stevens |
| Sean Kane | 9/16/2020 | Anthony White |
| Mike Clifford | 8/18/2020 | John Stevens |
| Dave Cornetta | 9/16/2020 | Anthony White |
| Steve Shea | 9/16/2020 | Anthony White |
| John Ryan | 8/18/2020 | John Stevens |

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|---|---|---|
| Ralph Webber | 8/18/2020 | John Stevens |
| Habte Webb | 8/18/2020 | John Stevens |
| Ray Buffery | 8/18/2020 | John Stevens |
| John Mullins | 8/18/2020 | John Stevens |
| Duncan Anslow | 8/20/2020 | Robert Sacco |
| Brian Reis | 8/20/2020 | Robert Sacco |
| Larry Cicchetti | 8/20/2020 | Robert Sacco |
| Shane Whittaker | 8/20/2020 | Robert Sacco |
| William Beals | 8/20/2020 | Robert Sacco |
| Carlos Daveiga | 8/20/2020 | Robert Sacco |
| Chris Mellow | 8/20/2020 | Robert Sacco |
| John Spano | 8/20/2020 | Robert Sacco |
| Steve Botelho | 8/20/2020 | Robert Sacco |
| Rick French | 8/20/2020 | Robert Sacco |
| Frank Langer | 8/20/2020 | Robert Sacco |
| Peter Murphy | 8/20/2020 | Robert Sacco |
| Brian St. Onge | 8/20/2020 | Robert Sacco |
| Scott Buckley | 8/20/2020 | Robert Sacco |
| Mike Gerard | 8/20/2020 | Robert Sacco |
| William Sylvester | 8/20/2020 | Robert Sacco |
| Michael Grochowski | 9/15/2020 | George Ghareeb |
| Eric Ciecko | 8/20/2020 | Nick Sanchez |
| Mark Deforge | 8/20/2020 | Nick Sanchez |
| Felix Diaz | 8/20/2020 | Nick Sanchez |
| Daniel Leonard | 8/20/2020 | Nick Sanchez |
| Mark Raymond | 8/20/2020 | Nick Sanchez |
| Christopher Ryan | 8/20/2020 | Nick Sanchez |
| James Soares | 8/20/2020 | Nick Sanchez |
| David Whitehead | 8/20/2020 | Nick Sanchez |