



**LAST REVIEW DATE:**  
6/28/13

**REVIEW CYCLE:**  
5 Years

**SPECIFICATION: G-8217-1a**

★ **TITLE: FLOOD-PRONE AREAS FOR THE  
INSTALLATION OF GAS SERVICE REGULATOR  
VENT LINE PROTECTORS (VLPs)**

**VOLUME: 2 (Section 12.0) and 4**

★ **REGISTRATION  
NUMBER: PENDING**

★ **TARGET TRAINING  
GROUPS: Gas Distribution Services (GDS),  
Gas Construction, Pressure Control,  
Construction Management, Gas  
Contractors, Gas Measurement, Gas  
Distribution Engineering, Gas Conversion  
Group**

**REVISIONS: (See ★)**

**Rev 1a** – Section 1.0 (Note) – Changed 2 feet to 3 feet to reflect Corporate storm hardening design commitment. (9/9/13)

- 1) The title of this specification has been revised and the specification has been rewritten in its entirety. Target Training Groups and Registration Number were also added.



# Gas Operations Standards

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★ **TITLE: FLOOD-PRONE AREAS FOR THE  
INSTALLATION OF GAS SERVICE  
REGULATOR VENT LINE PROTECTORS  
(VLPs)**

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| <b>ENVIRONMENTAL REVIEW BY: N. Giraldi</b> |                                                                                 | <b>SAFETY REVIEW BY: N. Giraldi</b> |                                                                 |                       |
| <b>PREPARED BY:</b>                        | <b>APPROVED BY:</b>                                                             | <b>DATE:</b>                        | <b>VOLUME: 2 (Section 14.0) and 4</b>                           | <b>PAGE 1</b>         |
| <b>M. Baldovin</b>                         | <b>Leonard P. Singh<br/>Chief Gas Engineer<br/>Gas Distribution Engineering</b> | <b>6/28/13</b>                      | <b>Construction Standards;<br/>and Application &amp; Design</b> | <b>OF 2<br/>PAGES</b> |




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★ **TITLE: FLOOD-PRONE AREAS FOR THE  
INSTALLATION OF GAS SERVICE  
REGULATOR VENT LINE PROTECTORS  
(VLPs)**

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★ 1.0 **SCOPE**

This specification provides flood-prone areas (by M&S plate) where vent line protectors (VLPs) shall be installed on new and existing gas service regulator (indoor and outdoor) vent outlet terminus. VLPs shall be installed as per Specification G-699 “Installation of Gas Service Regulator Vent Line Protectors (VLPs)”.

**NOTE:** Where the installation of VLPs is impractical, the vent shall be raised to a minimum of 3 feet above the Base Flood Elevation (BFE) provided on the Federal Emergency Management Agency (FEMA) maps.

2.0 **DEFINITION**

Vent Line Protector (VLP) - A device for preventing the flow of water into a gas service regulator vent.

3.0 **FLOOD-PRONE AREAS**

The attached tables list the current designated flood-prone areas (by M&S Plate) based on analysis by Gas Distribution Engineering of historical storm flooding in the Bronx (See Table 1), Manhattan (see Table 2), Queens (see Table 3), and Westchester (see Table 4). Contact Gas Distribution Engineering for detailed maps.

4.0 **REFERENCES**

- G-699 Installation of Gas Service Regulator Vent Line Protectors (VLPs)
- G-8028 Requirements for Indicating the Location of the Curb Valve Box on a Gas Service with an Indoor Regulator

5.0 **ATTACHMENTS**

- Table 1 Bronx Flood-Prone Areas (by M&S Plate)
- Table 2 Manhattan Flood-Prone Areas (by M&S Plate)
- Table 3 Queens Flood-Prone Areas (by M&S Plate)
- Table 4 Westchester Flood-Prone Areas (by M&S Plate)



|                |              |                                                 |               |
|----------------|--------------|-------------------------------------------------|---------------|
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**TABLE 1:  
Bronx Flood-Prone Areas (by M&S plate)**

|      |      |       |       |       |       |       |                    |
|------|------|-------|-------|-------|-------|-------|--------------------|
| 1-D  | 5-Z  | 8-AA  | 14-L  | 22-X  | 30-G  | 38-AB | <b>City Island</b> |
| 1-E  | 5-AD | 8-AB  | 14-M  | 22-Y  | 30-AB | 38-AC | 16-AK              |
| 1-F  | 5-AE | 8-AC  | 14-O  | 23-C  | 30-AD | 39-E  | 16-AL              |
| 2-D  | 5-AF | 8-AD  | 14-V  | 23-W  | 30-AE | 39-AA | 17-AJ              |
| 2-E  | 6-A  | 8-AE  | 14-W  | 23-X  | 30-AH | 39-AB | 17-AK              |
| 2-F  | 6-B  | 9-A   | 14-X  | 23-Y  | 30-AI | 40-E  | 17-AL              |
| 2-G  | 6-H  | 9-B   | 15-A  | 24-C  | 31-G  | 40-J  | 18-AJ              |
| 2-L  | 6-I  | 9-C   | 15-M  | 24-D  | 31-AB | 41-E  | 18-AK              |
| 2-O  | 6-O  | 9-L   | 15-O  | 24-X  | 31-AE | 42-E  | 19-AJ              |
| 3-C  | 6-R  | 9-M   | 15-R  | 25-D  | 31-AF | 43-F  | 19-AK              |
| 3-D  | 6-S  | 9-N   | 15-W  | 25-E  | 32-G  | 44-5  | 20-AI              |
| 3-E  | 6-T  | 9-V   | 15-X  | 25-X  | 32-H  | 46-F  | 20-AJ              |
| 3-F  | 6-U  | 9-W   | 15-AC | 25-Y  | 32-AB | 47-G  | 20-AK              |
| 3-G  | 6-V  | 9-X   | 16-A  | 25-Z  | 32-AE | 48-G  | 21-AI              |
| 3-L  | 6-Z  | 9-AC  | 16-M  | 25-AA | 32-AG | 50-G  | 21-AJ              |
| 3-M  | 6-AA | 9-AD  | 16-P  | 25-AB | 33-G  |       | 21-AK              |
| 3-N  | 6-AB | 10-A  | 16-Q  | 25-AC | 33-H  |       | 22-AJ              |
| 3-O  | 6-AC | 10-L  | 16-R  | 25-AG | 33-Z  |       | 22-AK              |
| 3-P  | 6-AD | 10-M  | 16-W  | 25-AH | 33-AA |       | 23-AI              |
| 3-S  | 6-AE | 10-W  | 16-X  | 26-E  | 33-AB |       | 23-AJ              |
| 3-T  | 6-AF | 10-AC | 16-AC | 26-Z  | 33-AH |       | 24-AH              |
| 3-U  | 6-AG | 10-AD | 17-A  | 26-AA | 34-E  |       | 24-AI              |
| 4-B  | 7-A  | 11-A  | 17-M  | 26-AB | 34-F  |       | 24-AJ              |
| 4-C  | 7-B  | 11-L  | 17-N  | 26-AC | 34-H  |       | 25-AJ              |
| 4-F  | 7-I  | 11-M  | 17-W  | 26-AE | 34-Z  |       |                    |
| 4-G  | 7-J  | 11-W  | 17-X  | 26-AF | 34-AB |       |                    |
| 4-H  | 7-N  | 11-AC | 17-AC | 27-E  | 34-AI |       |                    |
| 4-I  | 7-S  | 11-AD | 18-N  | 27-Z  | 35-D  |       |                    |
| 4-J  | 7-T  | 11-AE | 18-W  | 27-AA | 35-E  |       |                    |
| 4-K  | 7-U  | 12-A  | 18-X  | 27-AB | 35-F  |       |                    |
| 4-O  | 7-V  | 12-B  | 19-B  | 27-AC | 35-G  |       |                    |
| 4-S  | 7-X  | 12-L  | 19-N  | 27-AD | 35-H  |       |                    |
| 4-T  | 7-Z  | 12-M  | 19-O  | 27-AE | 35-I  |       |                    |
| 4-U  | 7-AA | 12-V  | 19-W  | 27-AF | 35-AB |       |                    |
| 4-AE | 7-AB | 12-W  | 19-X  | 27-AI | 36-D  |       |                    |
| 4-AF | 7-AC | 12-X  | 19-AB | 28-F  | 36-G  |       |                    |
| 5-A  | 7-AD | 12-AC | 19-AC | 28-AA | 36-H  |       |                    |
| 5-B  | 7-AE | 13-A  | 20-B  | 28-AB | 36-I  |       |                    |
| 5-G  | 7-AF | 13-B  | 20-N  | 28-AC | 37-D  |       |                    |
| 5-H  | 7-AG | 13-L  | 20X   | 28-AD | 37-I  |       |                    |
| 5-I  | 8-A  | 13-M  | 20-AC | 28-AF | 37-J  |       |                    |
| 5-J  | 8-B  | 13-O  | 21-B  | 28-AG | 37-AB |       |                    |
| 5-K  | 8-J  | 13-V  | 21-W  | 28-AH | 37-AC |       |                    |
| 5-O  | 8-T  | 13-W  | 21-X  | 29-F  | 37-AD |       |                    |
| 5-S  | 8-V  | 13-X  | 21-AC | 29-G  | 38-D  |       |                    |
| 5-T  | 8-W  | 13-AC | 22-C  | 29-AA | 38-J  |       |                    |
| 5-U  | 8-X  | 14-A  | 22-W  | 29-AB | 38-AA |       |                    |
|      |      |       |       |       |       |       |                    |

**NOTE:** If any additions or deletions are made to Tables 1-4, IR-Applications Services must be notified for required edits to GIS.

**TABLE 2:  
Manhattan Flood-Prone Areas (by M&S Plate)**

|      |      |      |      |      |      |      |                         |
|------|------|------|------|------|------|------|-------------------------|
| 1-H  | 10-I | 19-E | 31-L | 47-J | 58-H | 75-A | <b>Governors Island</b> |
| 1-I  | 10-N | 19-L | 32-B | 47-K | 58-I | 75-D | 1-A                     |
| 1-J  | 10-O | 19-M | 32-C | 47-L | 59-B | 75-E | 1-B                     |
| 2-G  | 11-E | 19-N | 32-L | 48-B | 59-C | 76-A | 1-C                     |
| 2-H  | 11-F | 20-C | 33-B | 48-K | 59-G | 76-C | 1-D                     |
| 2-I  | 11-G | 20-D | 33-C | 48-L | 59-H | 76-D | 2-A                     |
| 2-J  | 11-H | 20-E | 33-L | 49-B | 60-B | 76-E | 2-B                     |
| 3-G  | 11-I | 20-K | 34-B | 49-K | 60-C | 77-A | 2-C                     |
| 3-H  | 11-O | 20-L | 34-C | 49-L | 60-G | 77-C | 2-D                     |
| 3-I  | 12-E | 20-M | 34-L | 50-B | 60-H | 77-D | 3-A                     |
| 3-J  | 12-F | 21-C | 35-B | 50-K | 61-B | 77-E | 3-B                     |
| 3-K  | 12-G | 21-D | 35-C | 50-L | 61-C | 77-F | 3-C                     |
| 4-G  | 12-H | 21-L | 35-L | 51-B | 61-F | 78-A | 3-D                     |
| 4-H  | 12-N | 21-M | 36-B | 51-K | 61-G | 78-D |                         |
| 4-J  | 12-O | 22-C | 36-C | 51-L | 62-B | 78-E | <b>Roosevelt Island</b> |
| 4-K  | 13-E | 22-D | 37-B | 52-B | 62-C | 78-F | RI-2                    |
| 5-G  | 13-F | 22-K | 37-C | 52-K | 62-E | 79-E | RI-3                    |
| 5-H  | 13-N | 22-L | 37-L | 52-L | 62-F | 79-F | RI-4                    |
| 5-J  | 13-O | 23-C | 38-B | 53-B | 62-G | 80-B | RI-5                    |
| 5-K  | 14-E | 23-D | 38-L | 53-C | 63-B | 80-C | RI-6                    |
| 5-L  | 14-F | 23-K | 39-B | 53-J | 63-E | 80-E | RI-7                    |
| 6-F  | 14-N | 23-L | 39-C | 53-K | 63-F | 80-F | RI-8                    |
| 6-G  | 14-O | 24-C | 39-M | 54-B | 64-B | 81-B | RI-9                    |
| 6-H  | 15-D | 24-D | 40-B | 54-C | 64-E | 81-C | RI-10                   |
| 6-K  | 15-E | 24-K | 41-B | 54-I | 64-F | 81-E | RI-11                   |
| 6-L  | 15-M | 24-L | 41-L | 54-J | 65-B | 82-B |                         |
| 7-F  | 15-N | 25-B | 41-M | 55-B | 65-E | 82-C |                         |
| 7-G  | 15-O | 25-C | 42-B | 55-C | 65-F | 82-D |                         |
| 7-H  | 16-D | 25-D | 42-K | 55-I | 66-A | 82-E |                         |
| 7-K  | 16-E | 25-E | 42-L | 56-B | 66-B |      |                         |
| 7-L  | 16-M | 25-K | 43-B | 56-C | 66-E |      |                         |
| 8-F  | 16-N | 25-L | 43-C | 56-H | 67-A |      |                         |
| 8-G  | 16-O | 26-C | 43-K | 56-I | 67-E |      |                         |
| 8-H  | 17-D | 26-D | 43-L | 57-B | 68-A |      |                         |
| 8-J  | 17-E | 26-K | 44-B | 57-C | 68-E |      |                         |
| 8-K  | 17-L | 26-L | 44-C | 57-H | 69-A |      |                         |
| 8-L  | 17-M | 27-B | 44-K | 57-I | 69-E |      |                         |
| 8-M  | 17-N | 27-C | 44-L | 56-B | 70-A |      |                         |
| 8-N  | 17-O | 27-D | 45-B | 56-C | 70-E |      |                         |
| 9-F  | 18-C | 27-L | 45-J | 56-H | 71-A |      |                         |
| 9-G  | 18-D | 28-C | 45-K | 56-I | 71-E |      |                         |
| 9-H  | 18-E | 28-L | 45-L | 57-B | 72-A |      |                         |
| 9-M  | 18-L | 29-C | 46-B | 57-C | 72-E |      |                         |
| 9-N  | 18-M | 29-L | 46-J | 57-H | 73-A |      |                         |
| 10-F | 18-N | 30-C | 46-K | 57-I | 73-E |      |                         |
| 10-G | 19-C | 30-L | 46-L | 58-B | 74-A |      |                         |
| 10-H | 19-D | 31-C | 47-B | 58-C | 74-E |      |                         |

**NOTE:** If any additions or deletions are made to Tables 1-4, IR-Applications Services must be notified for required edits to GIS

**Table 3:  
Queens Flood-Prone Areas (by M&S Plate)**

| 1st Ward |       | 3rd Ward |       |       |
|----------|-------|----------|-------|-------|
| 55-Z     | 70-AJ | 48-AT    | 64-AU | 70-AU |
| 56-Y     | 71-AA | 48-AU    | 64-BI | 70-AW |
| 56-Z     | 72-AA | 49-AT    | 64-BJ | 70-AX |
| 57-Y     | 72-AB | 49-AU    | 64-BK | 70-BH |
| 58-X     | 72-AH | 50-AS    | 64-BL | 71-AS |
| 58-Y     | 72-AI | 50-AU    | 64-BM | 71-AU |
| 59-W     | 73-AA | 51-AS    | 64-BN | 71-AV |
| 59-X     | 73-AD | 51-AT    | 65-AP | 71-AW |
| 59-Y     | 73-AH | 51-AU    | 65-AS | 71-AX |
| 60-U     | 73-AI | 52-AS    | 65-AT | 71-BD |
| 60-V     | 74-AD | 52-AT    | 65-AU | 71-BE |
| 60-W     | 74-AH | 53-AT    | 65-BI | 71-BG |
| 60-X     | 74-AI | 57-AR    | 65-BL | 71-BH |
| 60-Y     | 75-AE | 57-AS    | 65-BM | 72-AQ |
| 61-U     | 75-AF | 57-AT    | 65-BN | 72-AR |
| 61-V     | 75-AH | 58-AT    | 66-AO | 72-AS |
| 61-W     | 75-AI | 59-AT    | 66-AR | 72-AV |
| 61-X     | 76-AF | 59-AU    | 66-AS | 72-AW |
| 61-Y     | 76-AG | 59-BL    | 66-AT | 72-BD |
| 62-U     | 76-AH | 59-BM    | 66-AU | 72-BE |
| 62-V     | 77-AG | 60-AT    | 66-AV | 72-BF |
| 62-W     |       | 60-BL    | 66-BI | 72-BG |
| 62-X     |       | 60-BM    | 66-BL | 73-AQ |
| 62-Y     |       | 61-AS    | 66-BM | 73-AU |
| 62-Z     |       | 61-AT    | 66-BN | 73-AV |
| 63-V     |       | 61-BJ    | 67-AO | 73-AW |
| 63-W     |       | 61-BK    | 67-AS | 73-AX |
| 63-Y     |       | 61-BL    | 67-AT | 73-BC |
| 64-V     |       | 62-AQ    | 67-AU | 73-BD |
| 64-W     |       | 62-AR    | 67-AV | 74-AU |
| 65-W     |       | 62-AS    | 67-BI | 74-AW |
| 65-Y     |       | 62-AT    | 67-BL | 74-AX |
| 66-X     |       | 62-AU    | 67-BM | 74-BD |
| 66-Y     |       | 62-BJ    | 68-AN | 75-AT |
| 67-X     |       | 62-BL    | 68-AT | 75-AU |
| 67-Y     |       | 62-BM    | 68-AU | 75-AW |
| 68-Y     |       | 63-AQ    | 68-AV | 75-BA |
| 68-AA    |       | 63-AS    | 68-BH | 76-AT |
| 68-AB    |       | 63-AT    | 68-BI |       |
| 69-Z     |       | 63-BJ    | 68-BL |       |
| 69-AA    |       | 63-BL    | 68-BM |       |
| 69-AB    |       | 63-BM    | 69-AU |       |
| 69-AJ    |       | 64-AP    | 69-AV |       |
| 70-Z     |       | 64-AR    | 69-AW |       |
| 70-AA    |       | 64-AS    | 69-BH |       |
| 70-AB    |       | 64-AT    | 70-AS |       |

**NOTE:** If any additions or deletions are made to Tables 1-4, IR-Applications Services must be notified for required edits to GIS

**Table 4:  
Westchester Flood-Prone Areas (by M&S Plate)**

| Long Island Sound Coast |       |       |       |       | Hudson River Coast |       |        |       |       |       |
|-------------------------|-------|-------|-------|-------|--------------------|-------|--------|-------|-------|-------|
| 2-BK                    | 10-BV | 17-CD | 22-CL | 30-CV | 11-Z               | 50-AK | 90-AD  | 105-U | 117-Q | 129-M |
| 2-BL                    | 11-BQ | 17-CE | 22-CM | 30-CW | 12-Z               | 50-AL | 90-AJ  | 105-V | 118-J | 129-Q |
| 3-BL                    | 11-BR | 17-CF | 22-CQ | 30-CX | 13-Z               | 51-AL | 91-AC  | 106-R | 118-M | 129-R |
| 4-AZ                    | 11-BS | 18-BY | 22-CR | 30-CY | 13-AA              | 56-AL | 91-AD  | 107-Q | 118-N | 129-S |
| 4-BA                    | 11-BT | 18-BZ | 22-CS | 30-CZ | 14-AA              | 57-AM | 91-AJ  | 107-R | 118-P | 129-T |
| 4-BB                    | 11-BU | 18-CA | 23-CC | 30-DA | 15-AA              | 58-AM | 92-AC  | 107-S | 119-J | 130-Q |
| 4-BL                    | 11-BV | 18-CB | 23-CF | 31-CR | 16-AA              | 59-AM | 92-AJ  | 107-T | 119-K | 130-R |
| 4-BM                    | 11-BW | 18-CC | 23-CG | 31-CS | 17-AA              | 59-AN | 93-AC  | 107-U | 119-M | 130-S |
| 4-BN                    | 11-BX | 18-CD | 23-CH | 31-CW | 17-AB              | 60-AL | 93-AD  | 108-L | 119-N | 130-T |
| 4-BP                    | 12-BR | 18-CE | 23-CJ | 31-CX | 17-AC              | 60-AM | 93-AJ  | 108-M | 119-P | 130-U |
| 5-BA                    | 12-BS | 18-CF | 23-CM | 31-CY | 18-AB              | 60-AN | 94-AC  | 108-N | 120-M | 130-V |
| 5-BB                    | 12-BT | 19-BZ | 23-CN | 31-CZ | 19-AB              | 61-AL | 94-AD  | 108-P | 120-N | 131-R |
| 5-BL                    | 12-BU | 19-CA | 23-CQ | 31-DA | 19-AC              | 61-AM | 94-AE  | 108-Q | 121-M | 131-S |
| 5-BM                    | 12-BV | 19-CB | 23-CR | 31-DB | 20-AC              | 61-AN | 94-AG  | 108-R | 121-N | 131-U |
| 5-BN                    | 12-BW | 19-CC | 23-CS | 32-CX | 21-AC              | 62-AL | 94-AJ  | 108-S | 121-P | 131-V |
| 5-BP                    | 12-BX | 19-CD | 23-CT | 32-CZ | 22-AC              | 62-AM | 95-AD  | 109-L | 122-N | 131-W |
| 5-BQ                    | 12-BY | 19-CE | 24-CG | 32-DA | 23-AC              | 63-AM | 95-AE  | 109-M | 122-P | 132-S |
| 5-BR                    | 12-BZ | 19-CF | 24-CN | 33-CX | 24-AD              | 64-AM | 95-AF  | 109-N | 123-N | 132-T |
| 6-BB                    | 13-BU | 20-CB | 24-CQ | 34-CY | 25-AD              | 64-AN | 95-AG  | 110-J | 123-P | 132-W |
| 6-BC                    | 13-BV | 20-CC | 24-CR | 35-CZ | 25-AE              | 65-AL | 95-AH  | 110-K | 123-Q | 132-X |
| 6-BP                    | 13-BW | 20-CD | 24-CS | 35-DA | 26-AE              | 66-AL | 95-AJ  | 110-L | 123-R |       |
| 6-BQ                    | 13-BZ | 20-CE | 25-CP | 36-CZ | 27-AE              | 67-AL | 95-AK  | 110-M | 124-Q |       |
| 6-BR                    | 14-BU | 20-CF | 25-CQ | 37-CX | 28-AE              | 68-AL | 96-AD  | 110-N | 124-R |       |
| 6-BS                    | 14-BV | 20-CP | 25-CR | 37-CY | 28-AF              | 68-AM | 96-AJ  | 111-J | 125-Q |       |
| 7-BC                    | 14-BW | 21-CB | 25-CS | 37-CZ | 29-AF              | 69-AL | 97-AD  | 111-K | 125-R |       |
| 7-BD                    | 14-BY | 21-CC | 25-CT | 38-CY | 30-AF              | 75-AL | 97-AE  | 112-F | 126-K |       |
| 7-BP                    | 14-BZ | 21-CD | 26-CQ | 38-CZ | 31-AF              | 76-AL | 97-AF  | 112-G | 126-L |       |
| 7-BQ                    | 14-CC | 21-CE | 26-CR | 39-CZ | 32-AG              | 77-AL | 97-AJ  | 112-H | 126-M |       |
| 7-BR                    | 15-BU | 21-CF | 26-CT | 40-DA | 33-AG              | 78-AL | 97-AK  | 112-J | 126-N |       |
| 7-BS                    | 15-BV | 21-CG | 26-CU | 41-DA | 34-AG              | 78-AM | 98-AD  | 112-K | 126-P |       |
| 7-BT                    | 15-BW | 21-CH | 27-CQ | 42-DA | 35-AG              | 79-AM | 98-AE  | 113-E | 126-Q |       |
| 8-BC                    | 15-BY | 21-CJ | 27-CR |       | 36-AG              | 80-AL | 98-AF  | 113-F | 127-J |       |
| 8-BD                    | 15-BZ | 21-CK | 27-CS |       | 37-AG              | 80-AM | 98-AJ  | 113-H | 127-K |       |
| 8-BQ                    | 15-CC | 21-CL | 27-CU |       | 38-AG              | 81-AL | 98-AK  | 113-J | 127-L |       |
| 8-BR                    | 16-BY | 21-CP | 28-CQ |       | 39-AH              | 82-AL | 99-AC  | 113-K | 127-M |       |
| 8-BS                    | 16-BZ | 21-CQ | 28-CR |       | 40-AH              | 83-AL | 99-AD  | 114-E | 127-N |       |
| 8-BT                    | 16-CA | 21-CR | 28-CS |       | 41-AH              | 84-AK | 99-AJ  | 114-F | 127-P |       |
| 9-BD                    | 16-CB | 21-CS | 28-CU |       | 41-AJ              | 84-AL | 100-AB | 114-J | 127-Q |       |
| 9-BR                    | 16-CC | 22-CC | 28-CV |       | 42-AJ              | 85-AK | 100-AC | 114-K | 127-R |       |
| 9-BS                    | 16-CD | 22-CD | 29-CQ |       | 43-AJ              | 85-AL | 100-AD | 114-L | 128-J |       |
| 9-BU                    | 16-CE | 22-CE | 29-CR |       | 44-AJ              | 86-AK | 101-AA | 115-F | 128-L |       |
| 10-BQ                   | 17-BY | 22-CF | 29-CV |       | 45-AJ              | 86-AL | 102-Y  | 115-G | 128-M |       |
| 10-BR                   | 17-BZ | 22-CG | 29-CY |       | 46-AJ              | 87-AK | 103-X  | 115-K | 128-P |       |
| 10-BS                   | 17-CA | 22-CH | 29-CZ |       | 47-AK              | 88-AK | 104-U  | 115-L | 128Q  |       |
| 10-BT                   | 17-CB | 22-CJ | 30-CQ |       | 48-AK              | 89-AK | 104-V  | 115-M | 128-R |       |
| 10-BU                   | 17-CC | 22-CK | 30-CR |       | 49-AK              | 90-AC | 104-W  | 117-P | 129-L |       |

**NOTE:** If any additions or deletions are made to Tables 1-4, IR-Applications Services must be notified for required edits to GIS