



McDonalds-Eagle CO  
 November 19<sup>th</sup>, 2025  
**Water Service Assessment**

**Building Fixture Table**

**Water Fixture Units (IPC Appendix E – Table E103.3(2))**

| Item                  | # | WSFU/Each | WSFU/Total |
|-----------------------|---|-----------|------------|
| Hand Sink             | 4 | 1.4       | 5.6        |
| Lavatory              | 2 | 2.0       | 4.0        |
| Mop Sink Basin        | 2 | 3.0       | 6.0        |
| Urinal F.V. ¾"        | 1 | 5         | 5          |
| Warewasher            | 1 | 4         | 4          |
| Water Closet F.V. 1"  | 3 | 10        | 30         |
| Washing Machine (8lb) | 1 | 1.4       | 1.4        |
| 3-Compartment Sink    | 1 | 4         | 4          |
|                       |   | Total     | <b>60</b>  |

**Total WSFU = 60**

**Main Service Sizing:**

**Building Loads:** 60 WSFU's = **54.0 GPM** (IPC Appendix E – Table E103.3(3))

**Sizing:**

60 WSFU @ 50-60 PSI Main Pressure (Summertime Peak) / 250' Total Equivalent Length (TEL)  
 = **1-1/2" Meter and Tap with 2" Building Service Line to RPBP.** (IPC Appendix E – Table E201.1)

\*This configuration supports 63 WSFU maximum loading.

\*\* Velocity Check: 54.0 GPM @ 5.16 FPS Velocity / 2" Pipe Size. (IPC Appendix E – Table E103.3(6))

\*\* Velocity Requirement: 2FPS-9FPS