

## WATER DISTRIBUTION DATASHEET

Date: May 1, 2023

Name: \_\_\_\_\_

**Project: Bluemound Road Multifamily**

Street: \_\_\_\_\_

Street: \_\_\_\_\_

City: \_\_\_\_\_

City: \_\_\_\_\_

1. 105.2 Gallon per minute building demand, predominately Flush Tank.
2. 37.0 Low pressure at the Main in the Street.
3. .0 No water service.
- 4a. .0 No water lateral.
- 4b. .0 No 2nd part water lateral.
5. 7.7 psi loss from a **2in Meter**\_\_\_\_\_.
6. 29.3 psi of pressure available at the Water Meter. This value is entered in (B) below.

The (A) value listed below is determined by using the following formula, then rounding the result up.

$$A = \frac{B - (C + D + E)}{F} \times 100$$

- A. \_\_\_\_\_ Pressure available for uniform loss (psi/100 feet of pipe).
- B. 29.3 psi of pressure available at the Water Meter.
- C. 20.0 Pressure needed at the controlling fixture. shower
- D. 18.2 psi loss resulting from a 42.0 ft difference in elevation from the Water Meter to the controlling fixture.
- E. .0 psi pressure loss due to a serving the controlling fixture.
- F. 375.0 Ft Developed length from the 250.0 ft actual length of piping from the Water Meter to the controlling fixture.

### Maximun Allowable load for Crosslinked Polyethylene (Pex) Tubing ASTM F876

[illegible]

## Fixture Listing

Date: May 1, 2023

Name: \_\_\_\_\_

Project: Bluemound Road Multifamily

Street: \_\_\_\_\_

Street: \_\_\_\_\_

City: \_\_\_\_\_

City: \_\_\_\_\_

### Non Public Use Fixtures

		Hot	Cold	Total
41	Automatic Clothes Washer	41.00	41.00	61.50
42	Dishwashing Machine	42.00	.00	42.00
42	Kitchen Sink	42.00	42.00	63.00
61	Shower Stall, lavatory and water closet FT - group	91.50	183.00	213.50

## Public Use Fixtures

		Hot	Cold	Total
42	Ice Maker	.00	21.00	21.00

Total Water Supply Fixture Units	216.50	287.00	401.00
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105.2 Gallon per minute demand of the building. Predominantly Flush Tank

.0 Pressure available for uniform loss. For the table use - .0

### Maximun Allowable load for Crosslinked Polyethylene (Pex) Tubing ASTM F876

[illegible]