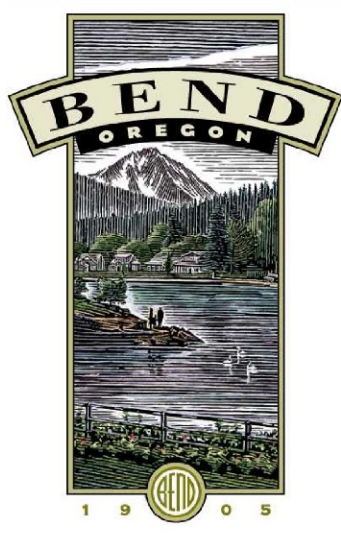


✓ Second
Zone 7C
connection



City of Bend Water System
Master Plan Update Optimization Study
Available Fire Flow - Analysis Results

February 2011



Legend

□ Planning Boundary

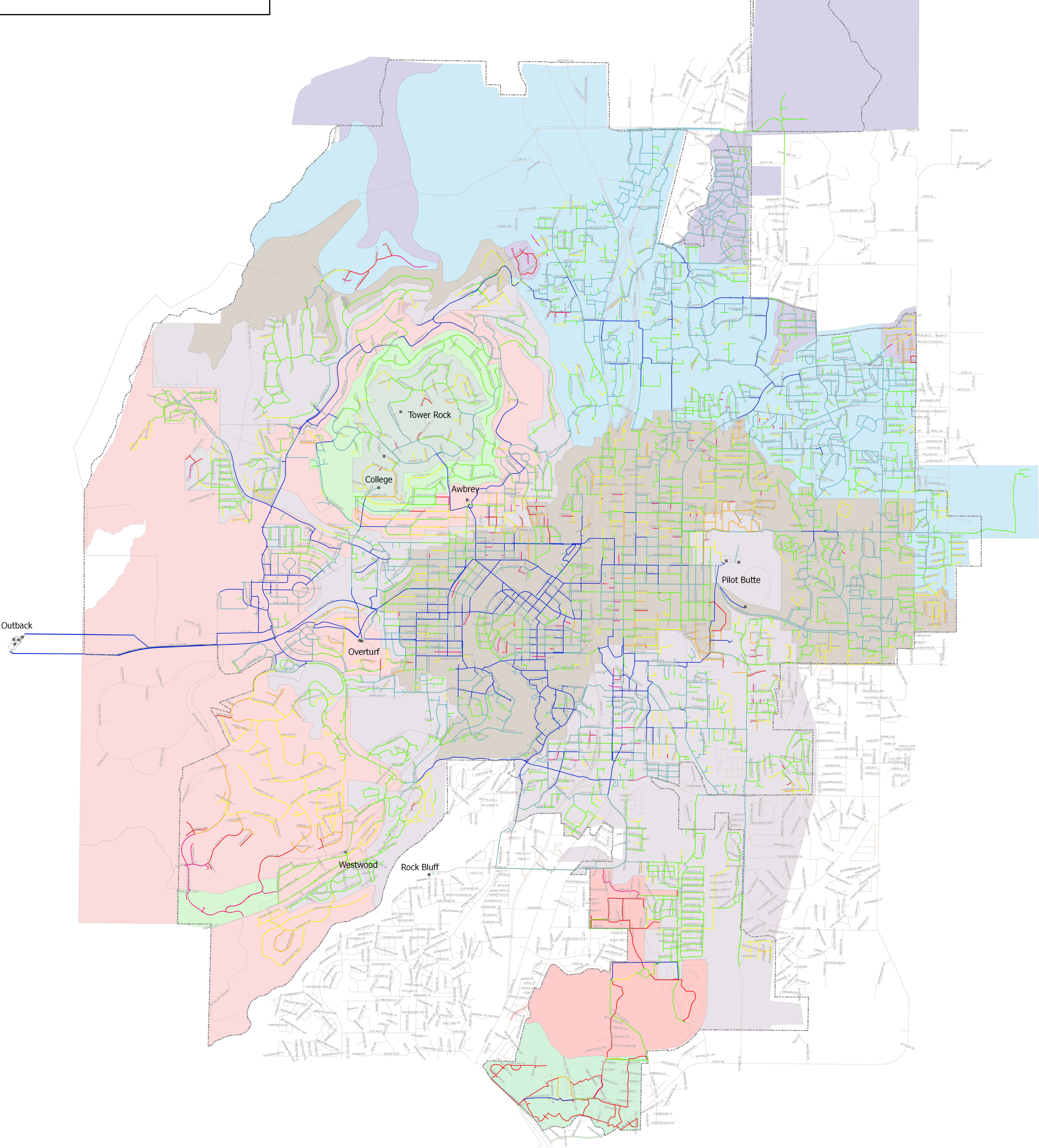
■ Existing Tanks

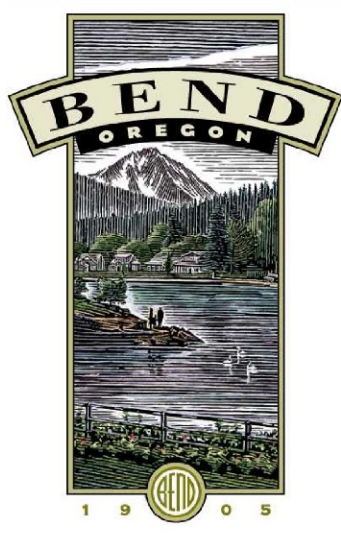
Pressure Levels

- 1
- 2
- 3
- 4
- 5
- 6
- 7

Fire Flow Available (gpm)

- >0 - 500
- >500 - 1,000
- >1,000 - 1,500
- >1,500 - 2,500
- >2,500 - 5,000
- >5,000 - 10,000
- >10,000





City of Bend Water System
Master Plan Update Optimization Study

Recommended minimum diameters for new
pipes needed to satisfy fire flow conditions on
future maximum day

February 2011



Legend

- Planning Boundary
- Road Centerline
- Pressure Zones

1

2

3

4

5

6

7
- Existing Water Mains

4 - 14 inches

16 - 36 inches
- Future Fire Flow Sizes (in)

8

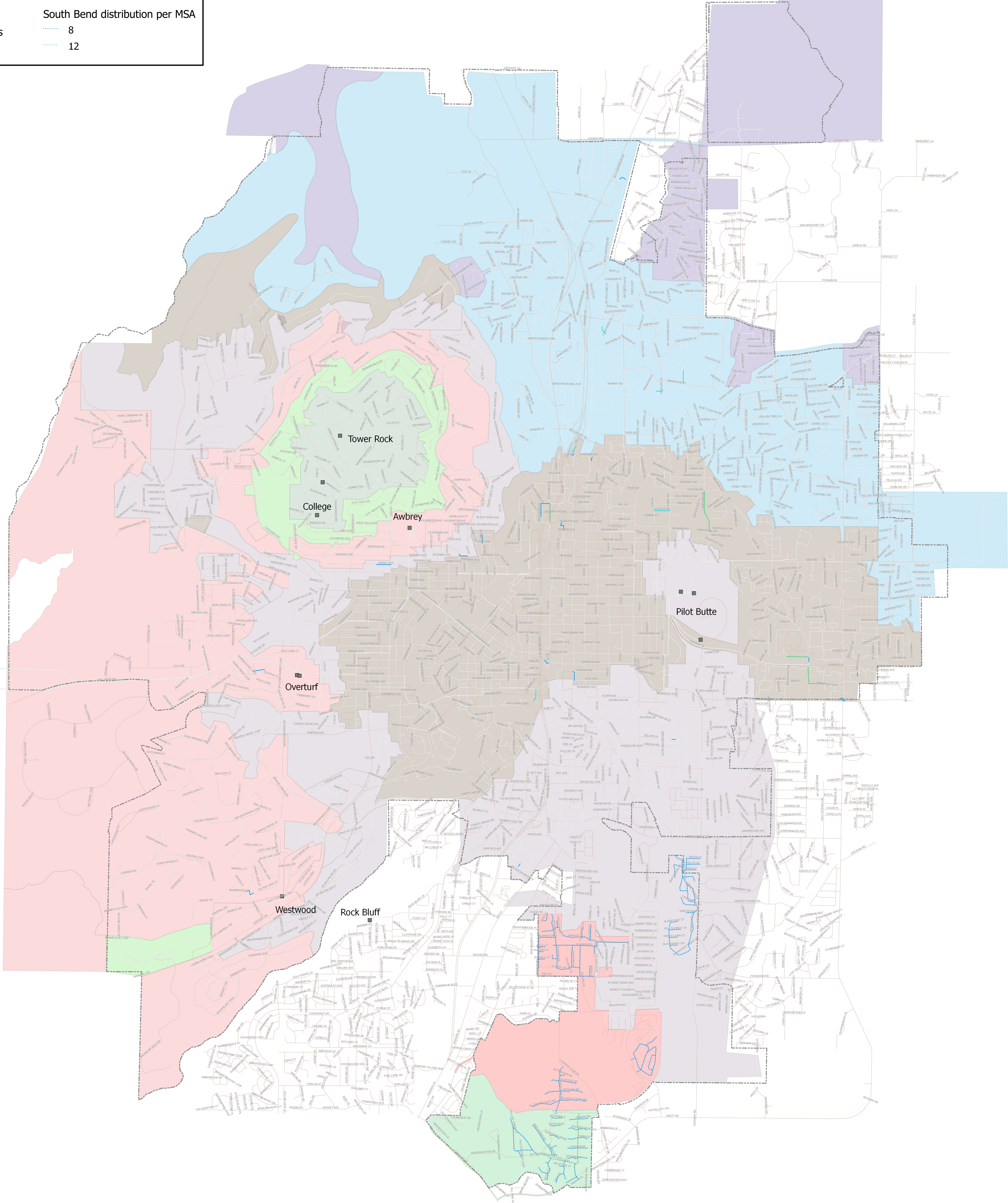
10

12
- South Bend distribution per MSA

8

12
- Existing Tanks

Outback





City of Bend Water System
Master Plan Update Optimization Study

2-inch mains and other pipes which are deficient
in meeting fire flow requirements but do not
serve an existing hydrant

February 2011



Legend

- Planning Boundary

Existing Tanks
- Pressure Zones

Existing Water Mains
- 1

2

3

4

5

6

7
- 4 - 14 inches

16 - 36 inches

Deficient Pipes - Hydrant OK

2-inch Replacements

Road Centerline

Outback

