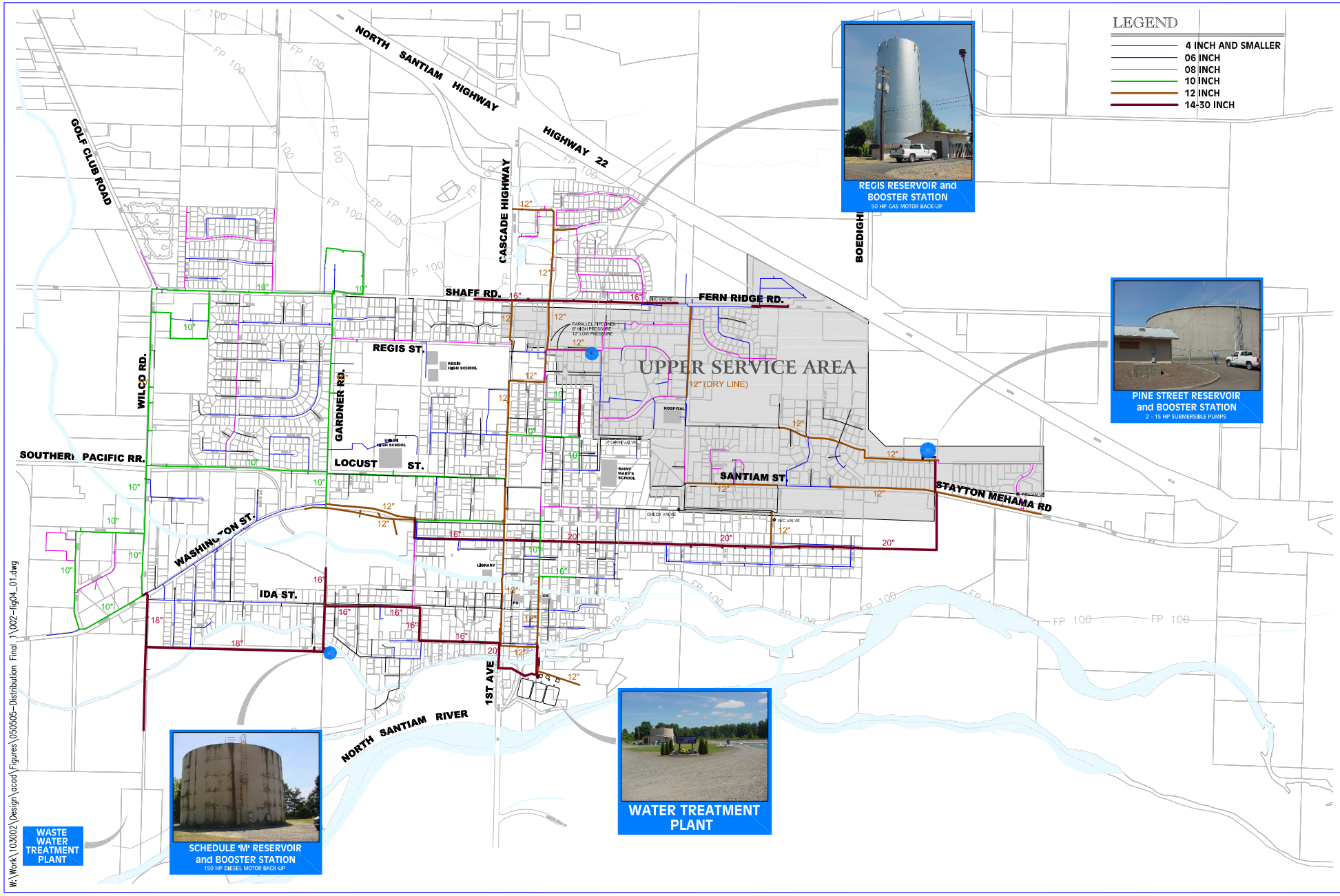

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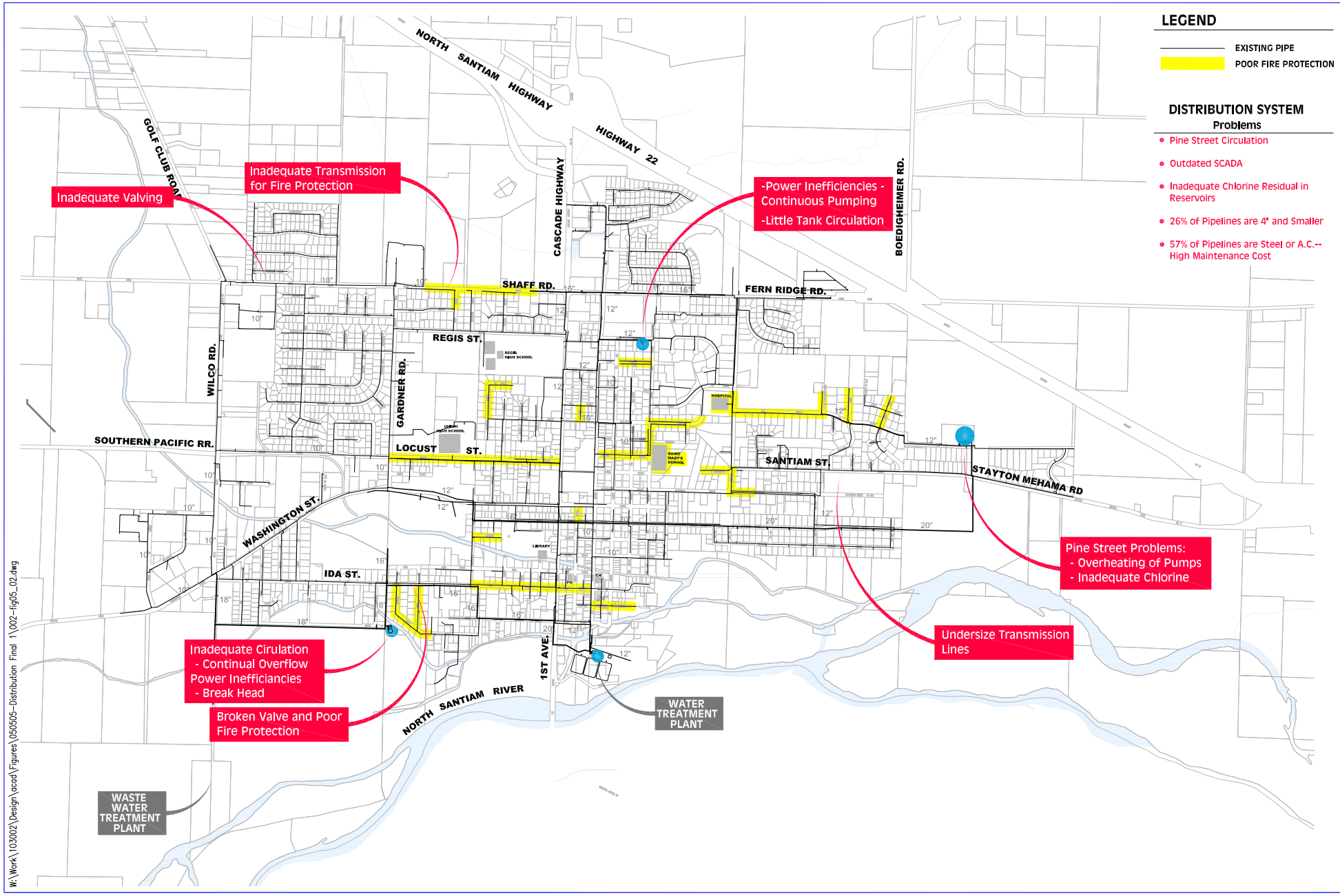
Water Master Plan
Executive Summary

Existing
Distribution System

FIGURE
1



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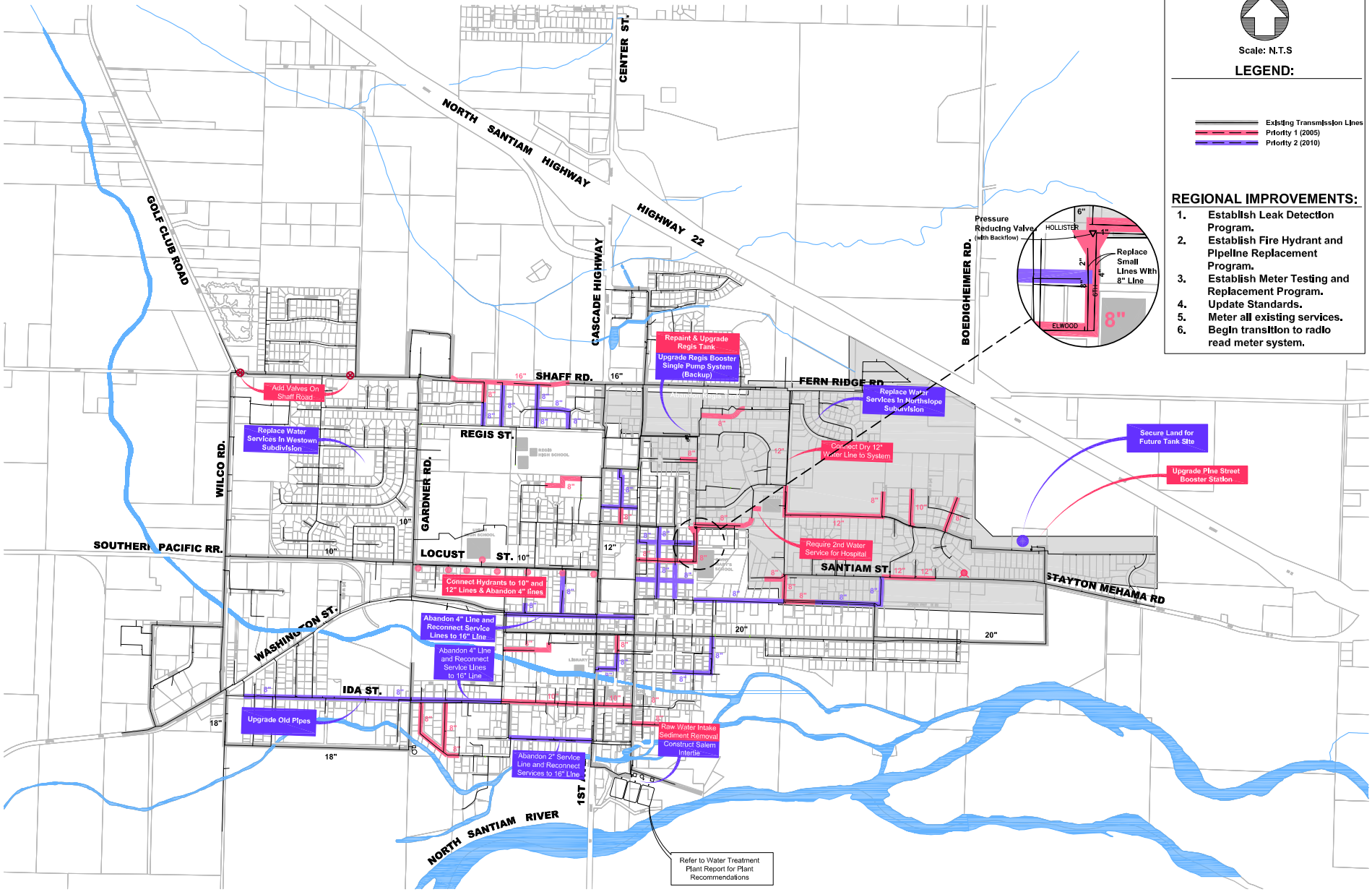
Water Master Plan
Executive Summary

Existing Distribution Problems

FIGURE
2



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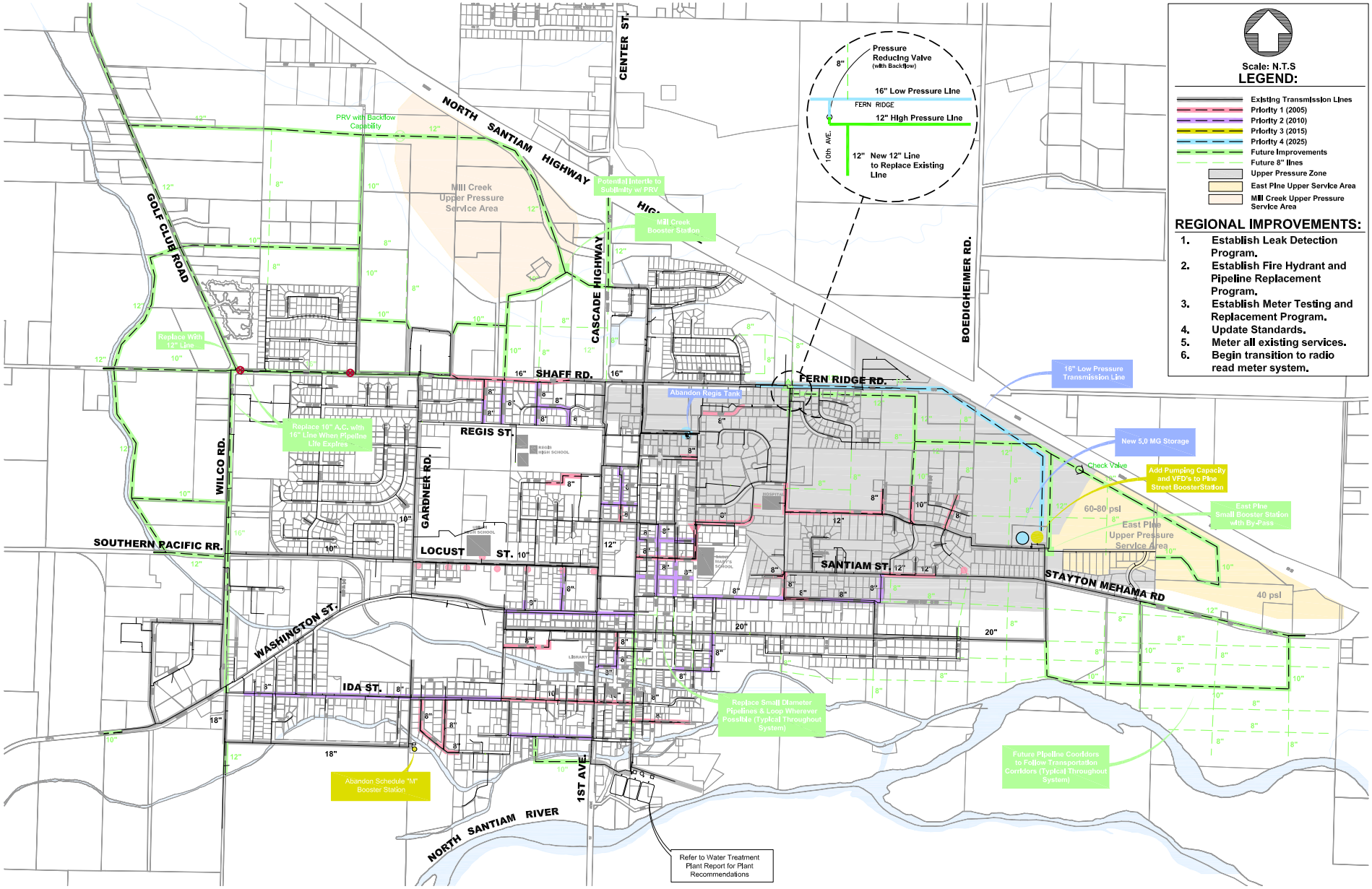
Water Master Plan
Executive Summary

Priority Distribution Improvements

FIGURE 3



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Water Master Plan
Executive Summary

Water Distribution
Master Plan

FIGURE
4

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FIGURE 5

Existing WTP Facilities

Water Master Plan Executive Summary

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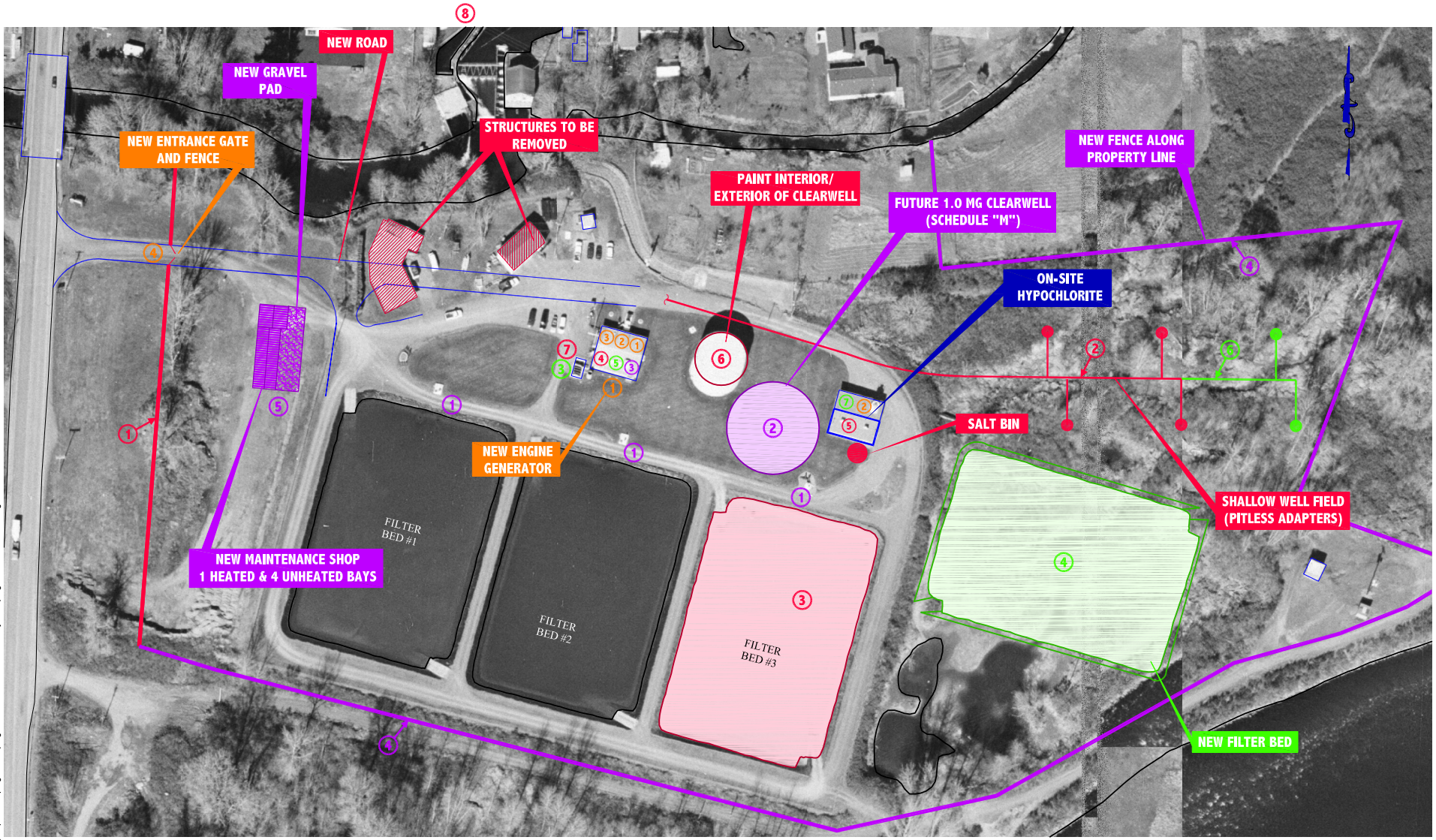
Figure 01_02.dwg



PRIORITY 1A (2005)

1. Setback Entrance Fencing
2. Shallow Well Field
3. Replace Filter Liner
4. Add Filter Turbidimeters
5. Add Hypochlorite Generation System
6. Refinish 0.5 MG Clearwell
7. Add Finish Water Flow Meter
8. Intake Improvements

PRIORITY 1B (2005)

1. Upgrade Plant Electrical/ SCADA System
2. Chemical Feed Improvements
3. Rehab Pump Control Valves
4. Upgrade Plant Entrance

PRIORITY 2 (2010)

1. Meter Each Filter
2. Add Clearwell Capacity
3. Add Finished Water Pump with VFD
4. Improve Plant Security
5. Add Maintenance Shop

PRIORITY 3 / FUTURE (2015+)

1. New Intake Facility (See Figure 6-2)
2. Construct / Obtain Deep Well (See Figure 6-2)
3. Weir Box Expansion
4. Add New Filter
5. FW Pump Improvements
6. Shallow Well Field Expansion
7. Soda Ash Expansion

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Figure 06_04.dwg

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Water Master Plan
Executive Summary

Recommended Future Improvements

FIGURE 6

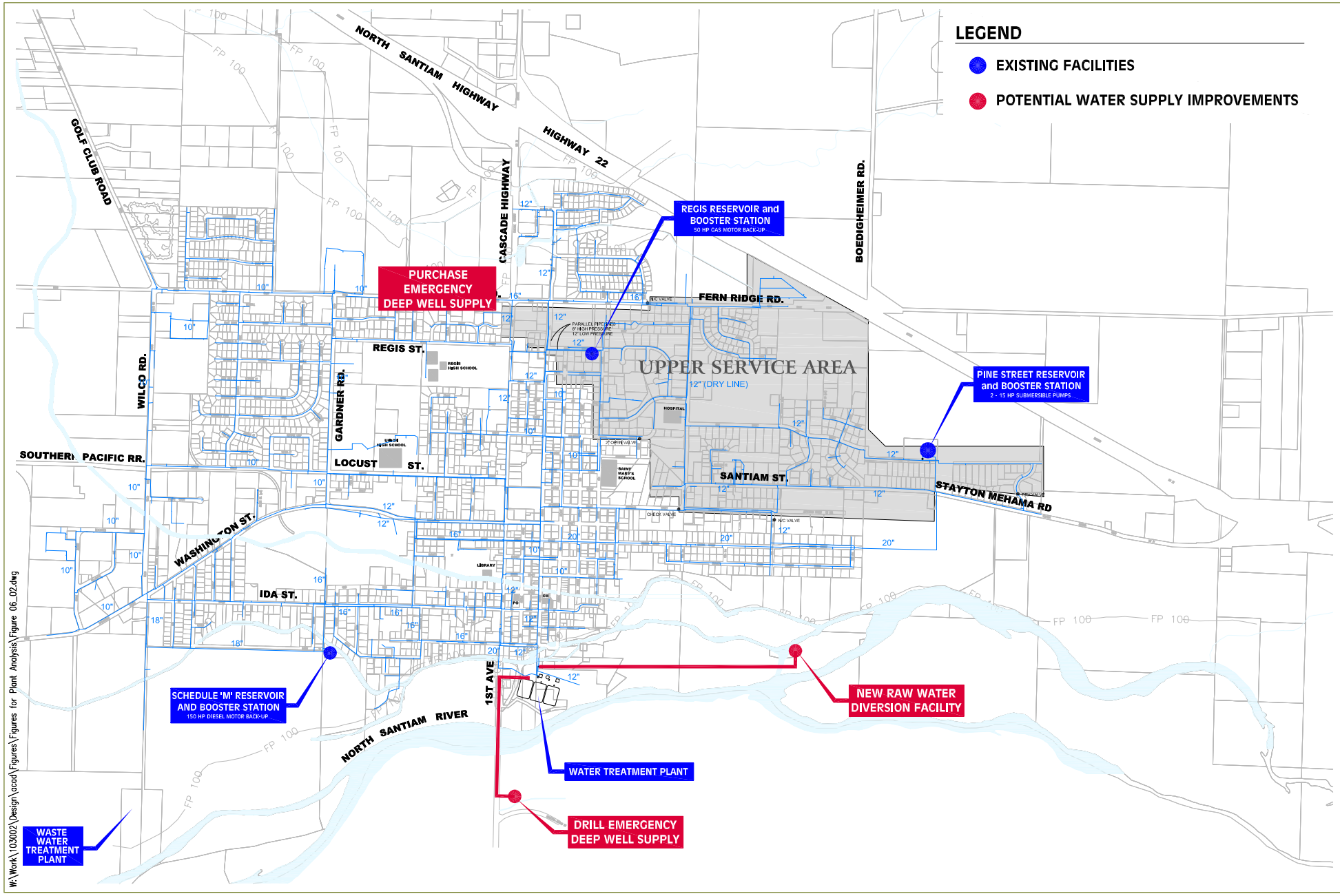

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Figure 06_02.dwg

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Water Master Plan
Executive Summary

Potential Future Water Supply Improvements

FIGURE 7