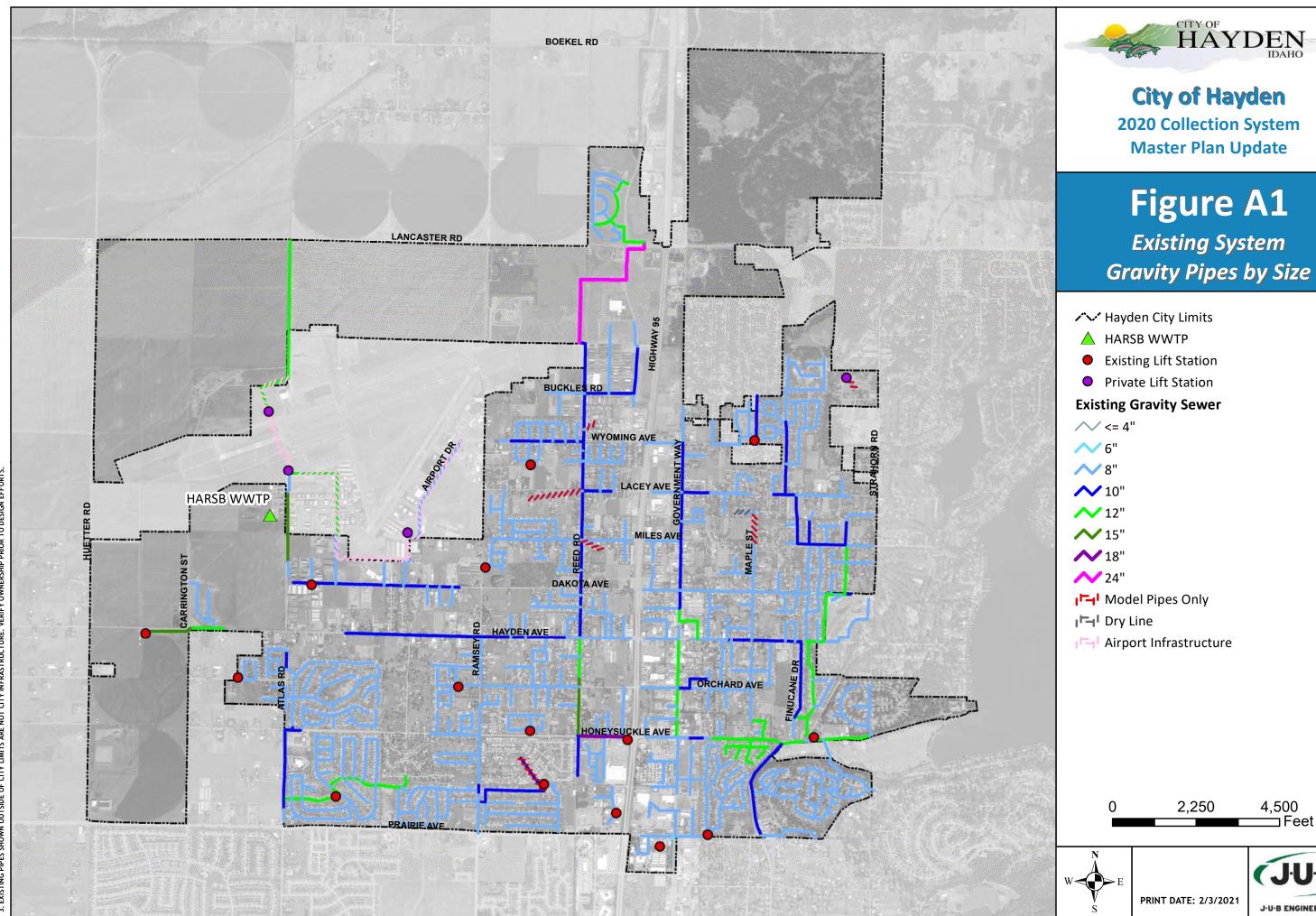
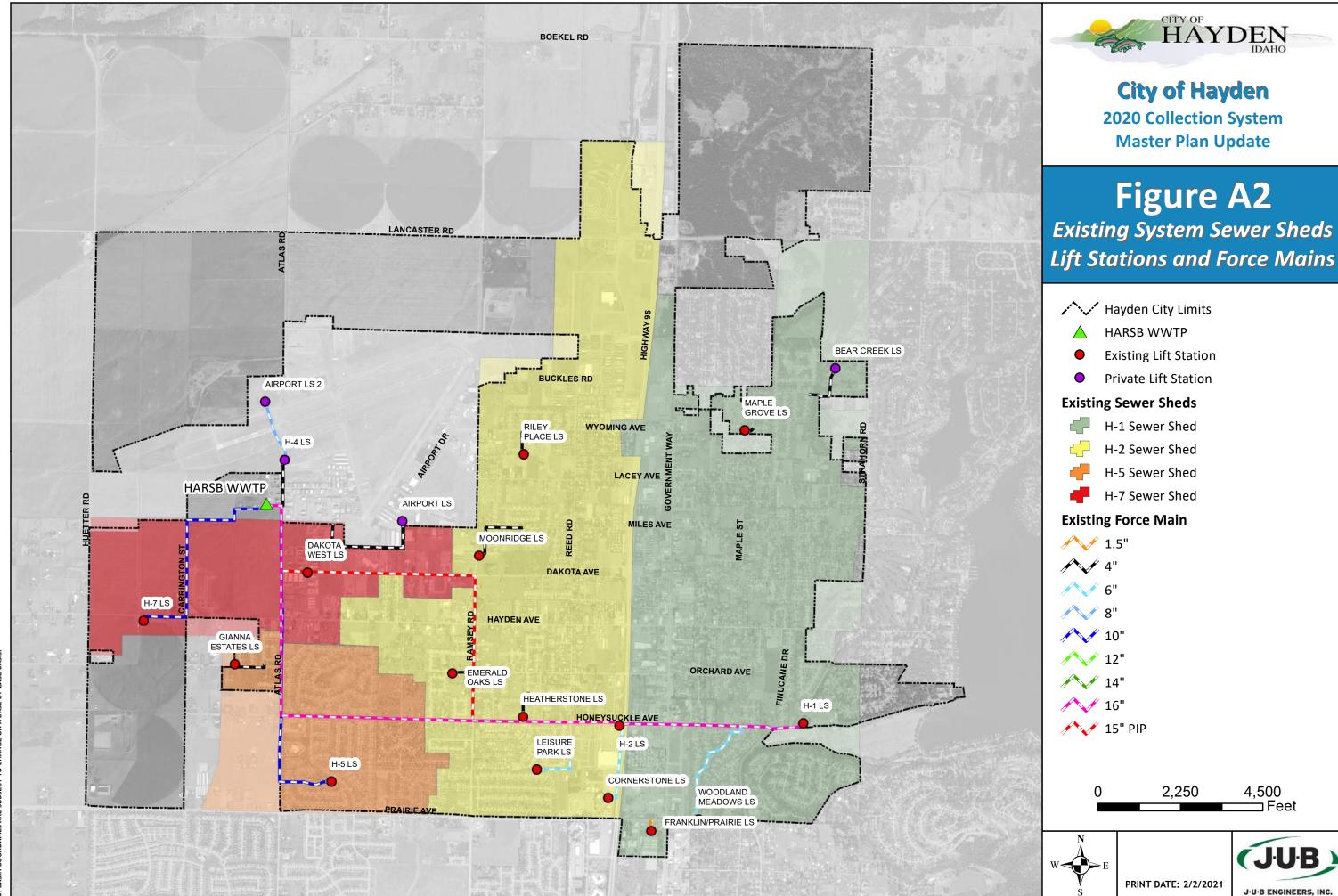
APPENDIX AFigures





⊐ Feet



CONCEPT INFORMATION FOR PLANNING PURPOSES ONLY. MUST BE ACCURATELY VERIFIED PRIOR TO DESIGN EFFORTS. SHARED TIER INFORMATION FROM RATHDRUM PRAIRIE WASTEWATER MASTER PLAN. TO BE ADDRESSED AS PART OF ANNEXATION. BASIN BOUNDARIES ARE SUBJECT TO CHANGE ON A CASE BY CASE BASIS.

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2020 Collection System Master Plan Update

Figure A3

Study Area, Land Use and Zoning Labeled by G_ID Number



Hayden City Limits



Hayden Study Area



No Service Areas



Future Huetter Bypass



HARSB WWTP

Parcel Line



Agricultural



Commercial



Light Industrial



Mixed Residential



Mixed Use



Rural



Rural Suburban

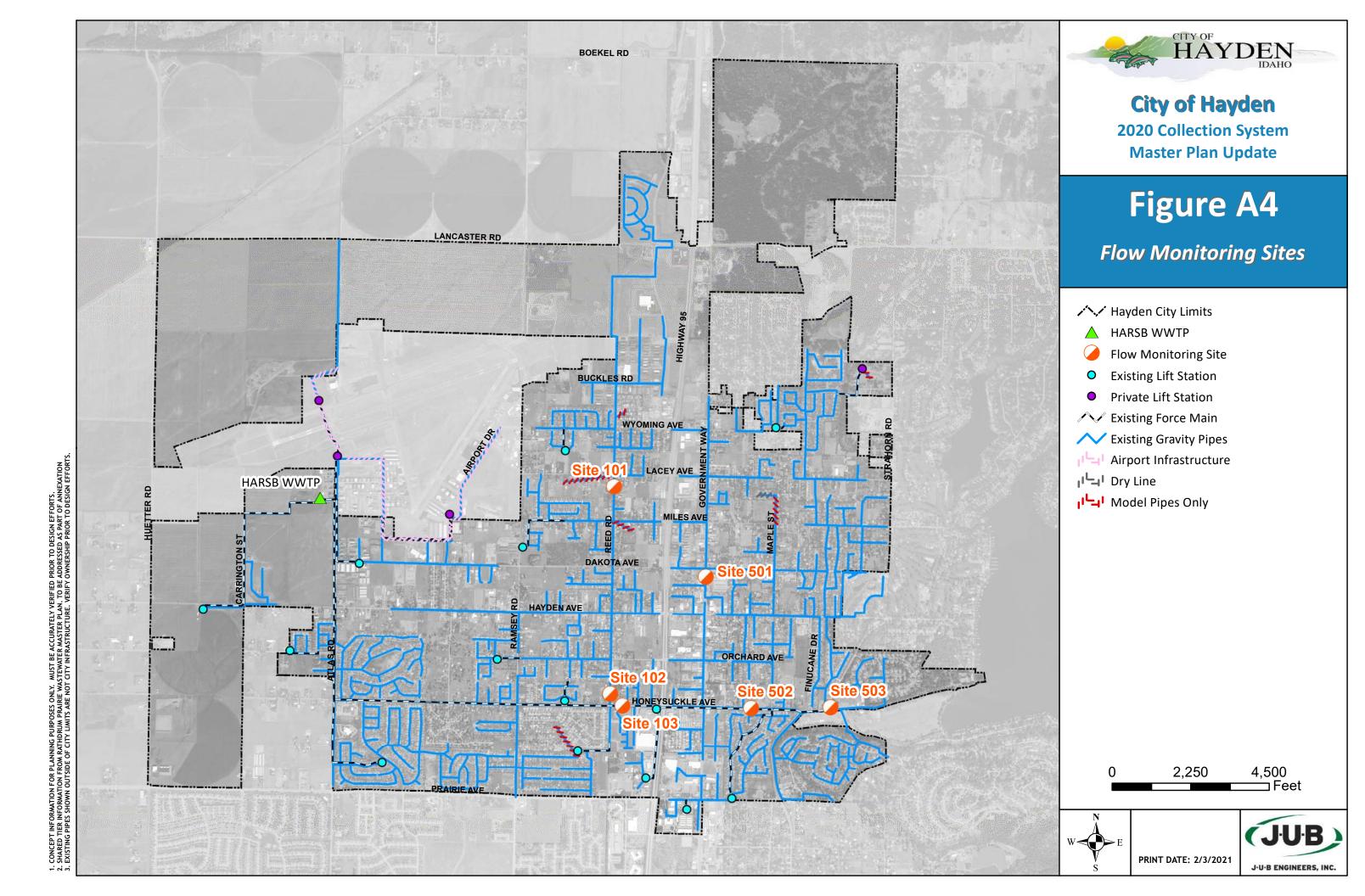
Single Family

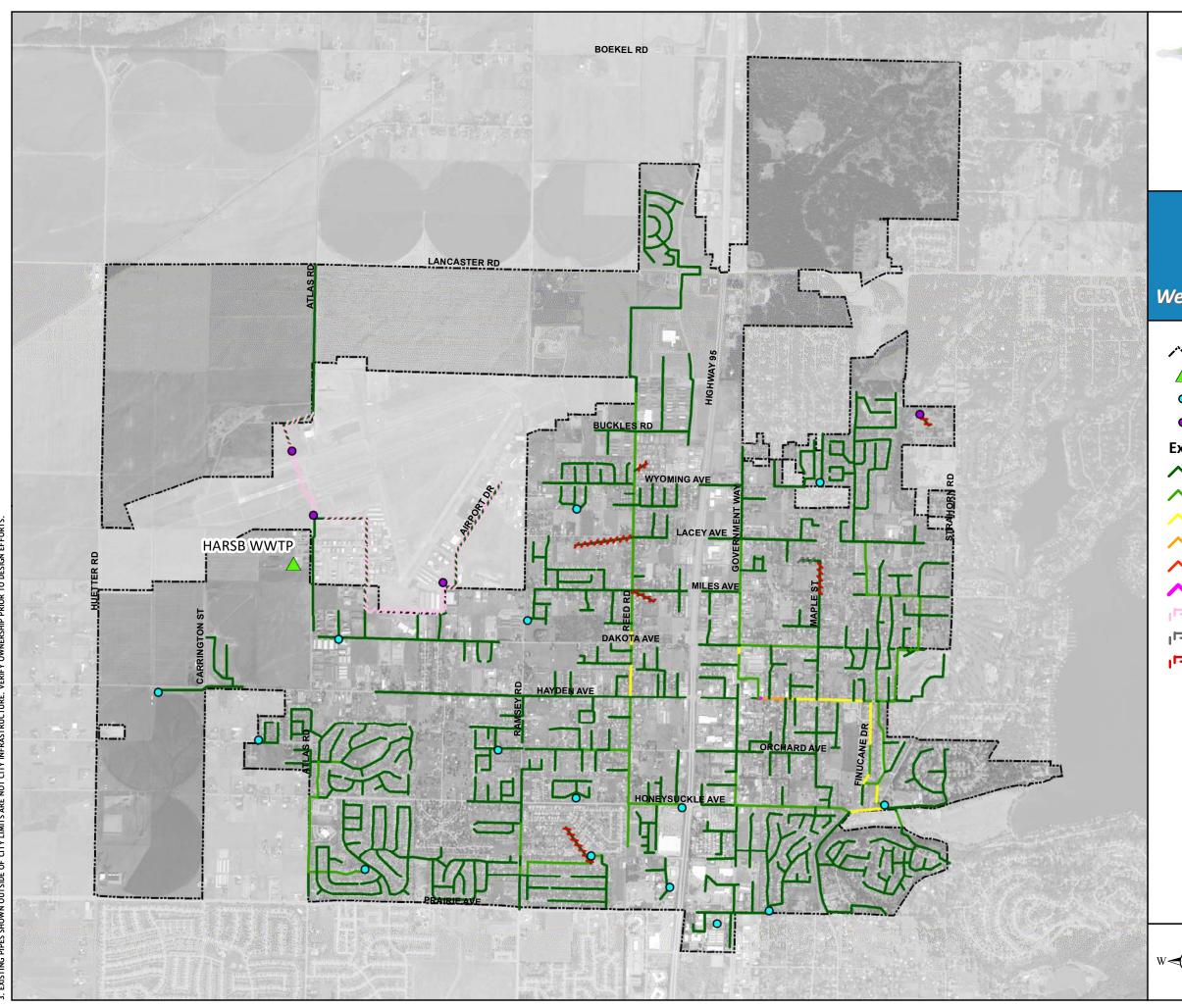




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Figure A5

Existing Model Results
Wet Weather Depth Over Diameter



- Existing Lift Station
- Private Lift Station

Existing System d/D

~ 0.00 - 0.25

0.26 - 0.50

0.51 - 0.65

0.66 - 0.75

0.76 - 0.850.86 - 1.00

Airport Infrastructure

Dry Line וורדו

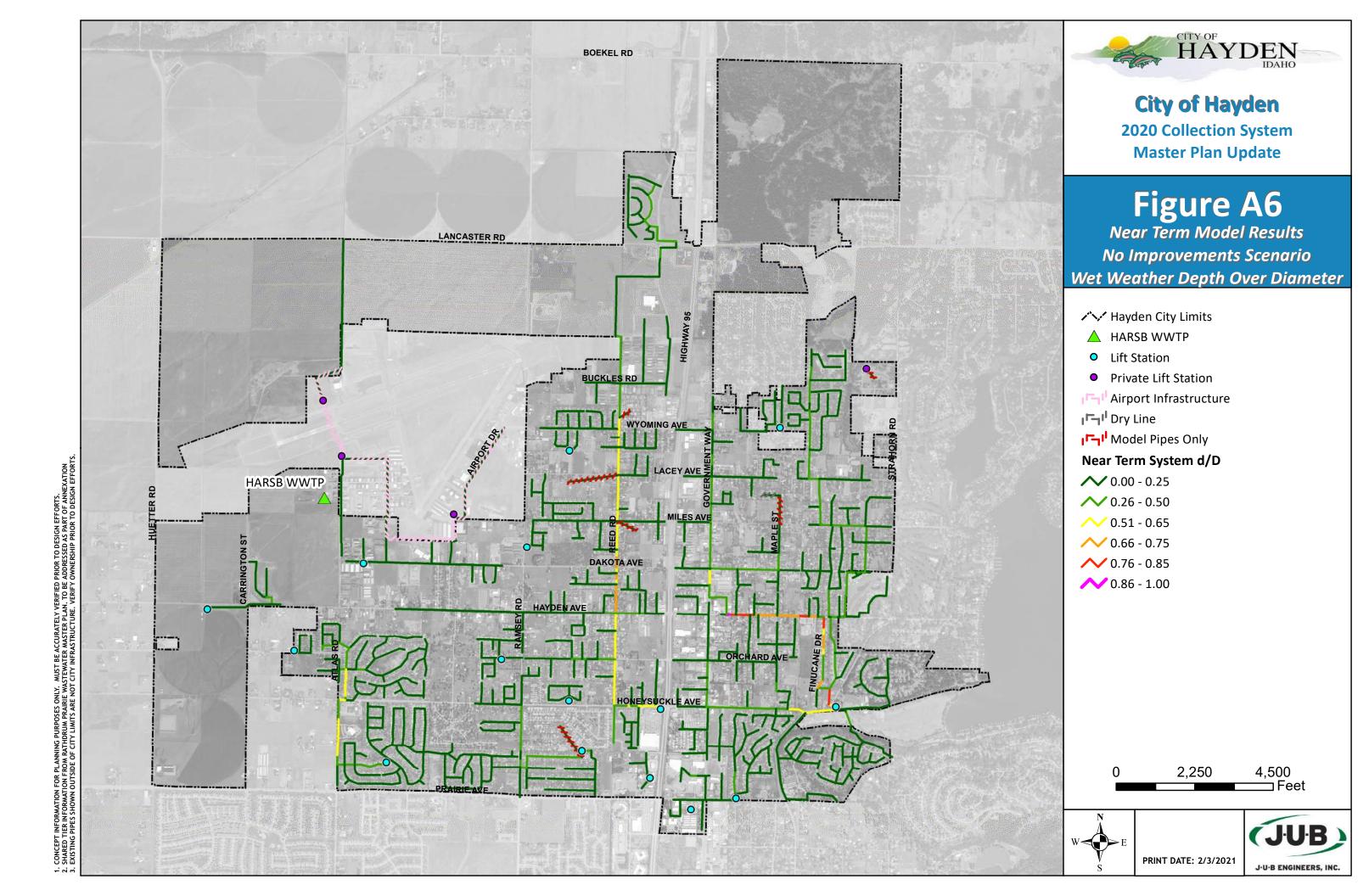
Model Pipes Only الحال

0 2,250 4,500 Fee



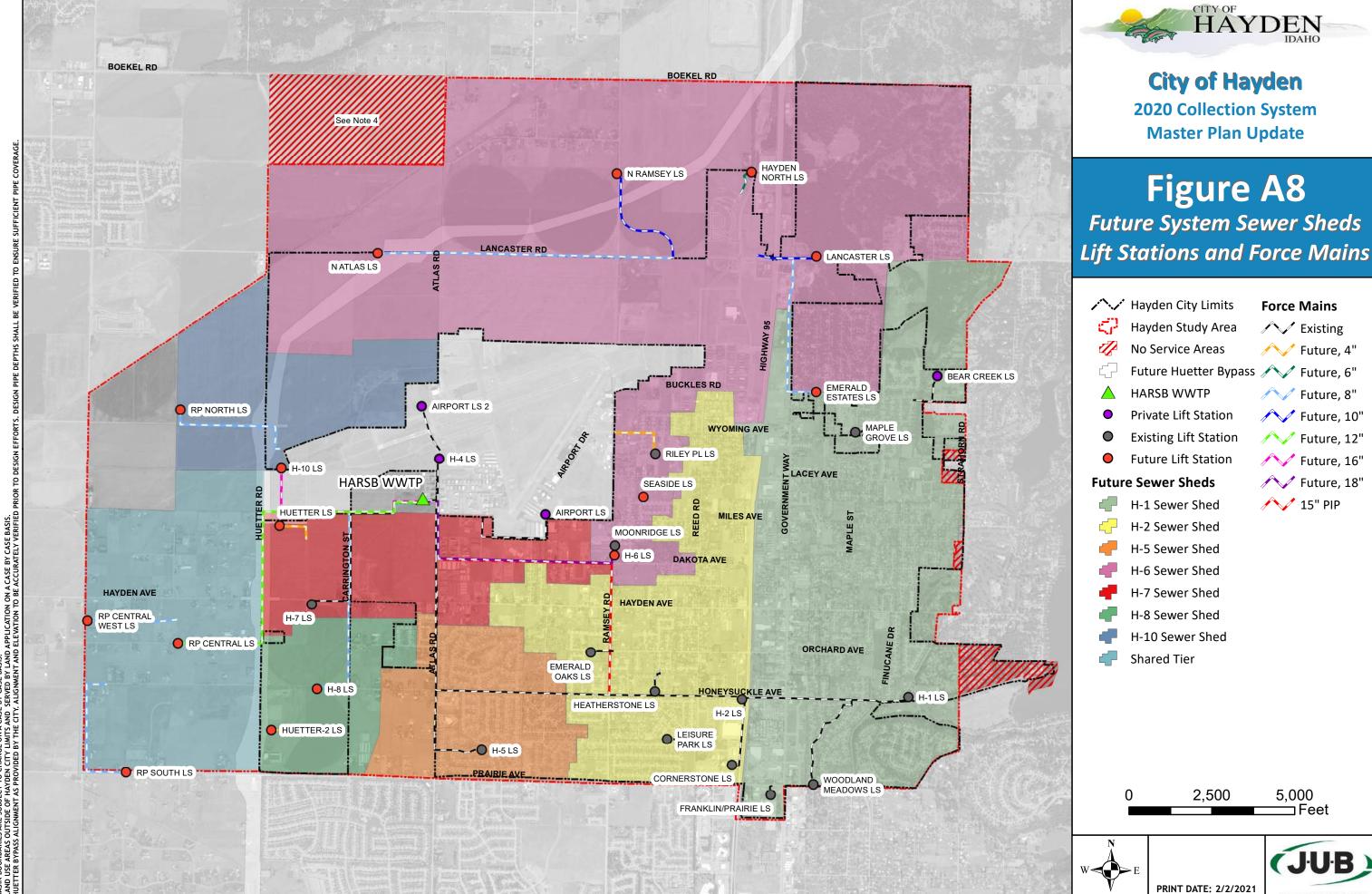
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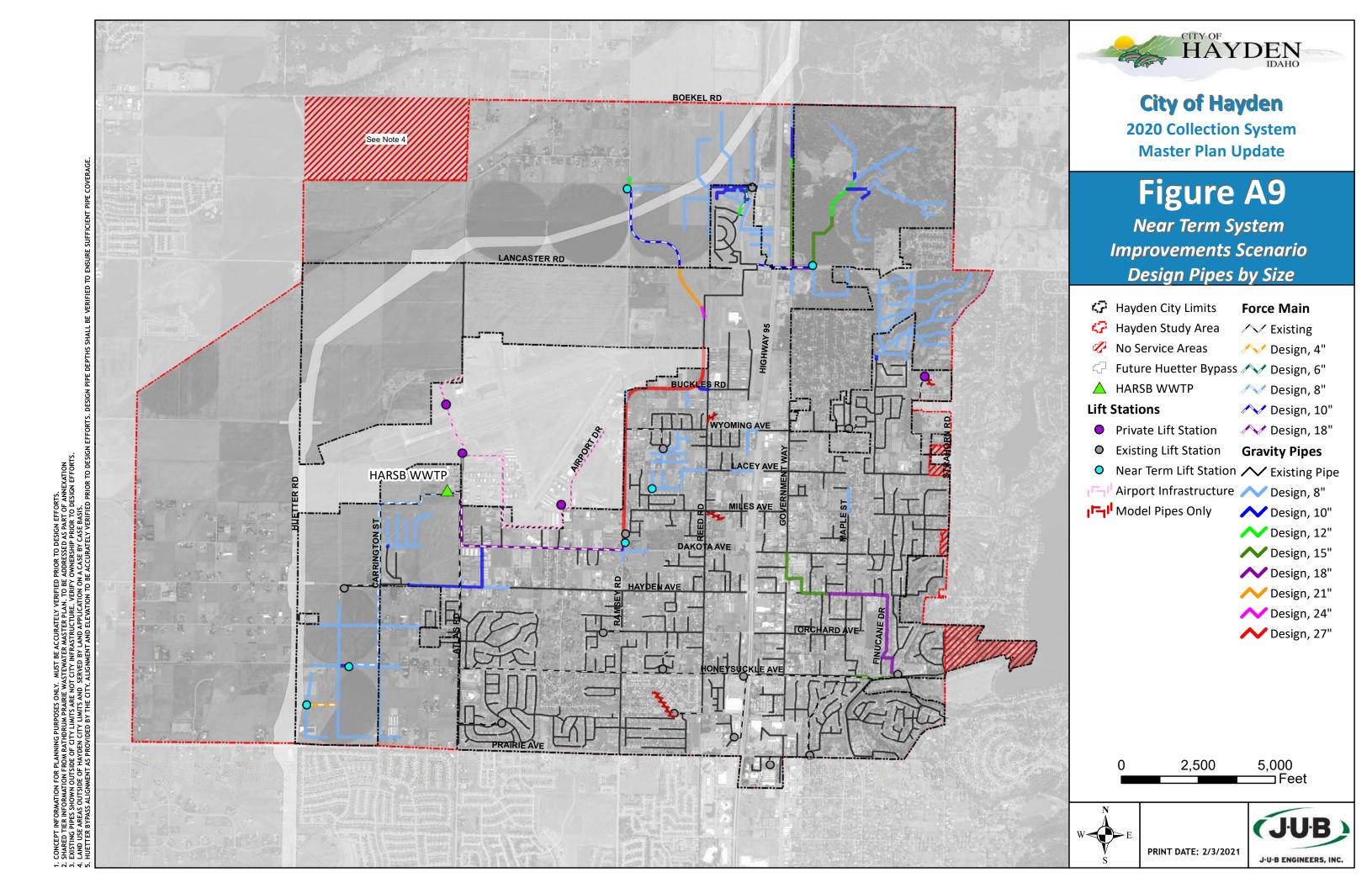


5,000

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2020 Collection System **Master Plan Update**

Figure A10 Near Term Model Results

Improvements Scenario Wet Weather Depth Over Diameter

- ▲ HARSB WWTP
- Private Lift Station
- Lift Station
- Airport Infrastructure
- Dry Line ^{וו}רדיו
- Model Pipes Only

Near Term System d/D

- **1** 0.00 0.25
- **0.26 0.50**
- **0.51 0.65**
- **0.66** 0.75
- **0.76 0.85**
- **0.86 1.00**
- Hayden City Limits
- Hayden Study Area
- No Service Areas
- Future Huetter Bypass

5,000 2,500 ⊐ Feet



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2020 Collection System Master Plan Update

Figure A11

Future Build Out System Improvement Priority

- ▲ HARSB WWTP
- Hayden City Limits
- Hayden Study Area
- No Service Areas
- Future Huetter Bypass

Lift Station Improvement

- Existing
- 0 5 Years
- O 6 10 Years
- O 10+ Years

Force Main Improvement

- Existing
- **0** 5 Years
- **6 10 Years**
- 10+ Years

Collection System Pipe Improvement

- Existing
- ✓ 0 5 Years
- **10+ Years 10+**
- Airport Infrastructure
- Model Pipes Only





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HAYDEN IDAHO

City of Hayden

2020 Collection System **Master Plan Update**

Figure A12

Future Build Out System **Gravity Design Pipes by Size**

- **A** HARSB WWTP
- Hayden City Limits
- Hayden Study Area
- No Service Areas
- ← Future Huetter Bypass
- Existing Lift Station
- Future Lift Station
- Airport Infrastructure
- **I**[⊥] Model Pipes Only

Gravity Pipes

- Existing
- ✓ Design, 8"
- ✓ Design, 10"
- ✓ Design, 12"
- ✓ Design, 15"
- ✓ Design, 18"
- ✓ Design, 21"
- ✓ Design, 24"
- ✓ Design, 27"

2,500 5,000 ⊐Feet



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Figure A13

Future Build Out Model Results Pipes by Average Depth

- A HARSB WWTP
- Hayden City Limits
- Hayden Study Area
- No Service Areas
- Future Huetter Bypass

Lift Stations

- Private Lift Station
- Lift Station

Build Out System Depth (ft)

- **0.00 5.00**
- **5.01 10.00**
- **1**0.01 15.00
- 15.01 20.00
- **20.01 25.00**
- **25.01 30.00**
- 30.01 35.00
- Airport Infrastructure
- Model Pipes Only

5,000 2,500



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Figure A14

Future Build Out Model Results Wet Weather Depth Over Diameter

- ▲ HARSB WWTP
- Hayden City Limits
- Hayden Study Area
- No Service Areas
- ← Future Huetter Bypass
- Lift Station
- Private Lift Station

Build Out System d/D

- **1** 0.00 0.25
- **0.26 0.50**
- **0.51 0.65**
- **0.66** 0.75
- **1** 0.76 0.85
- **0.86 1.00**
- Airport Infrastructure
- Model Pipes Only

0 2,500 5,000 Feet



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