



AWWU

Anchorage Water & Wastewater Utility

WATER MASTER PLAN UPDATE

ASSEMBLY INFRASTRUCTURE, ENTERPRISE, AND UTILITY
OVERSIGHT COMMITTEE

JANUARY 15, 2026



AGENDA



Plan Purpose
Existing Conditions
Future Conditions
Proposed Projects
Schedule



AWWU WATER MASTER PLAN



Purpose

- Support efficient and effective operation of transmission and distribution systems
- Identify and prioritize anticipated capital improvements over a 20-year timeframe (2045)
- Provide cost-effective and responsive service updates based on community needs



EXISTING CONDITIONS

ANCHORAGE WATER &
WASTEWATER UTILITY
3000 ARCTIC BLVD

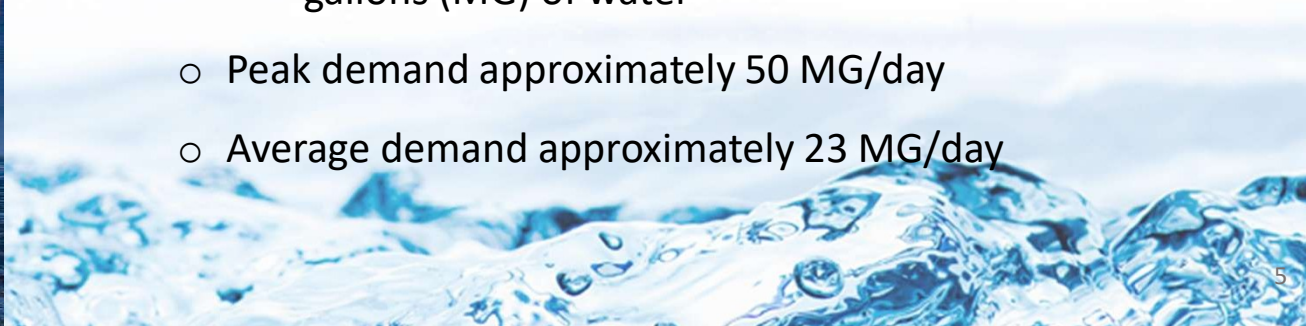




CURRENT SYSTEM



- AWWU provides service to approximately 55,000 customers within its certificated area
- Water system includes:
 - 2 water treatment plants
 - 12 wells
 - 850+ miles of distribution pipes
 - 5,800+ fire hydrants
 - 20 reservoirs and clearwells storing 70 million gallons (MG) of water
 - Peak demand approximately 50 MG/day
 - Average demand approximately 23 MG/day



FUTURE CONDITIONS



ANCHORAGE WATER &
WASTEWATER UTILITY
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PLANNING PERIOD DRIVERS

Population

- Minimal population change projected
- Greatest potential in Eagle River

Demand

- Slow customer growth
- Stable to reduced demand

System

- Adequate supply and storage, except Girdwood
- In general, good distribution capacity
- Good system condition
- Large distribution projects needed less than before
- R&R emphasis to maintain LOS



PLANNING PERIOD DRIVERS

Development

- Rising project costs
- Smaller scale, just in time

Regulations

- PFAS considerations impacting well supply
- Lead and Copper Rule considerations

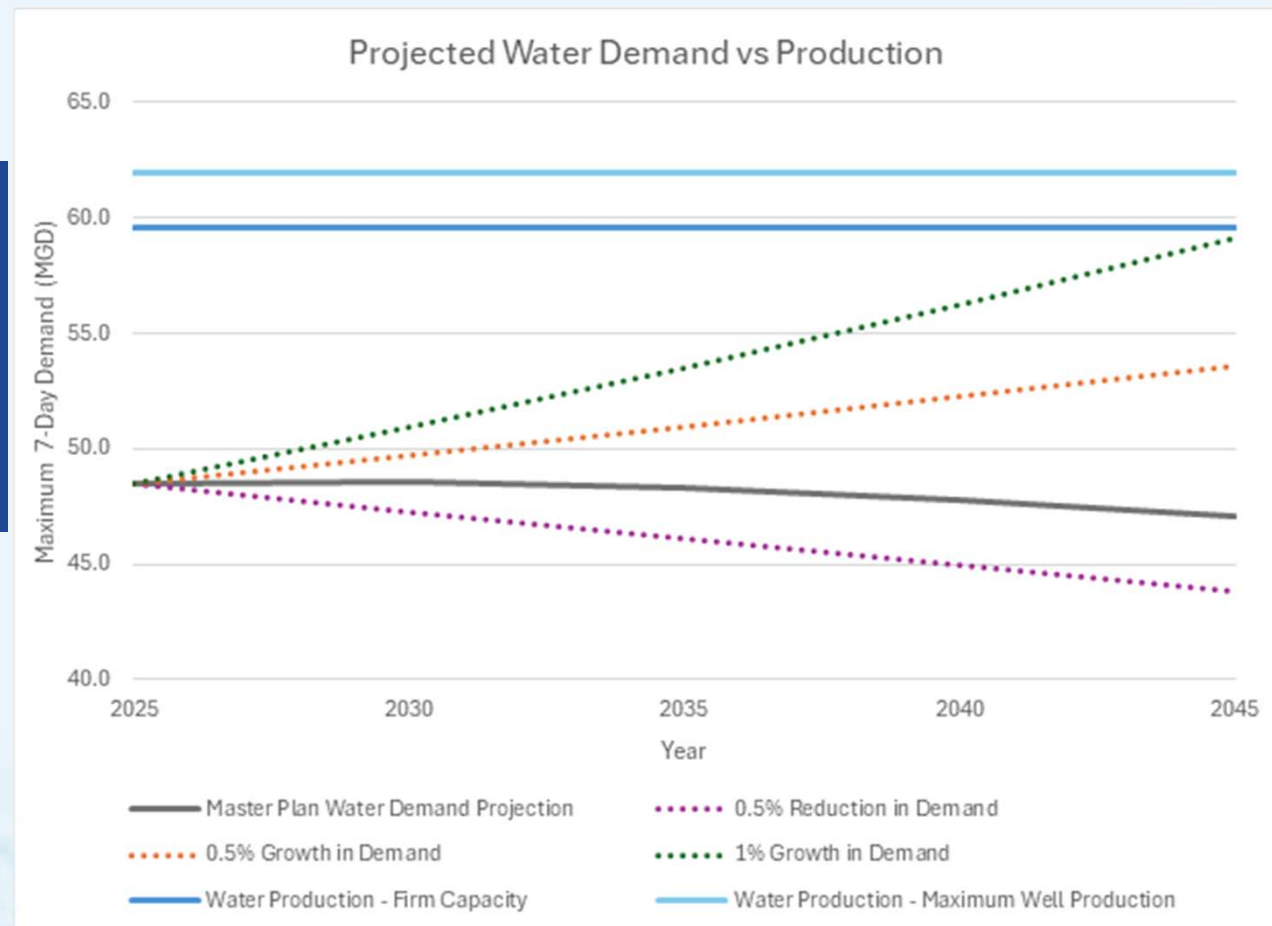
Funding

- Flat revenue, balanced CIP
- Decreasing state and federal funding

WATER SUPPLY

AWWU SYSTEM WIDE

- Adequate into the future



PROPOSED PROJECTS

ANCHORAGE WATER &
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3000 ARCTIC BLVD





REHABILITATION AND REPLACEMENT

- Replacing aging infrastructure
- Minimizing needs for emergency repairs

Maintain existing service

Project examples:

- Girdwood water storage tank
- Water reservoir refurbishments
- Pipe replacements



Municipality of Anchorage

Anchorage Water and Wastewater Utility
2025 Water Master Plan



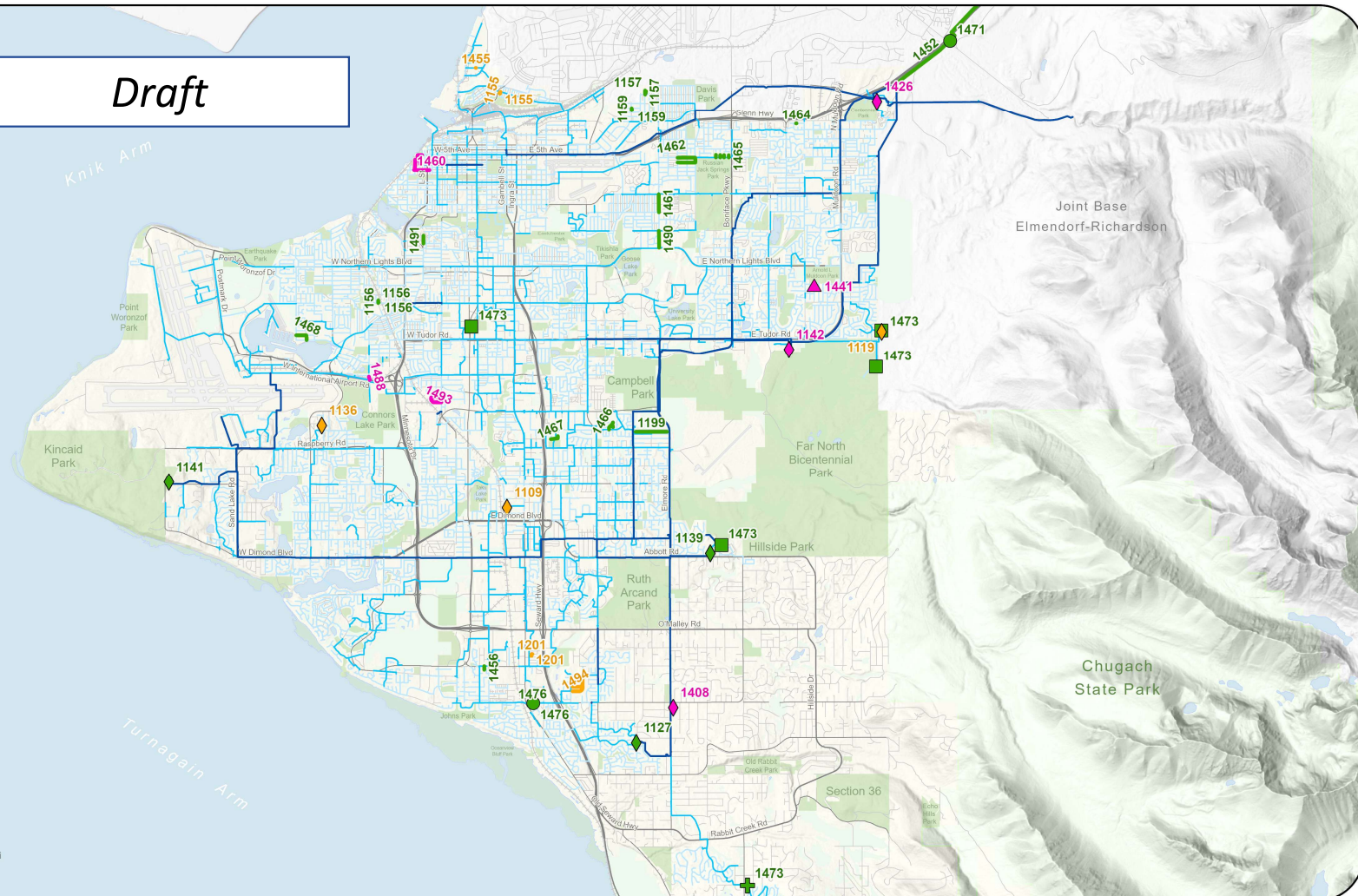
ANCHORAGE

Rehabilitation and Replacement



- Projects**
- Year 1 to 5**
- Booster
 - Reservoir
 - Well
 - Other
- Year 6 to 10**
- Reservoir
- Year 11 to 20**
- PRV
 - Reservoir
- Main**
- Year 1 to 5
 - Year 6 to 10
 - Year 11 to 20
- Area**
- Year 1 to 5
 - Year 6 to 10
- Pipes**
- ≤10 inch
 - 12-20 inch
 - ≥ 24 inch

Draft





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NORTHERN COMMUNITIES

Rehabilitation and Replacement



Projects

Year 1 to 5

- Booster
- Reservoir
- Other

Year 6 to 10

- Reservoir

Year 11 to 20

- Reservoir

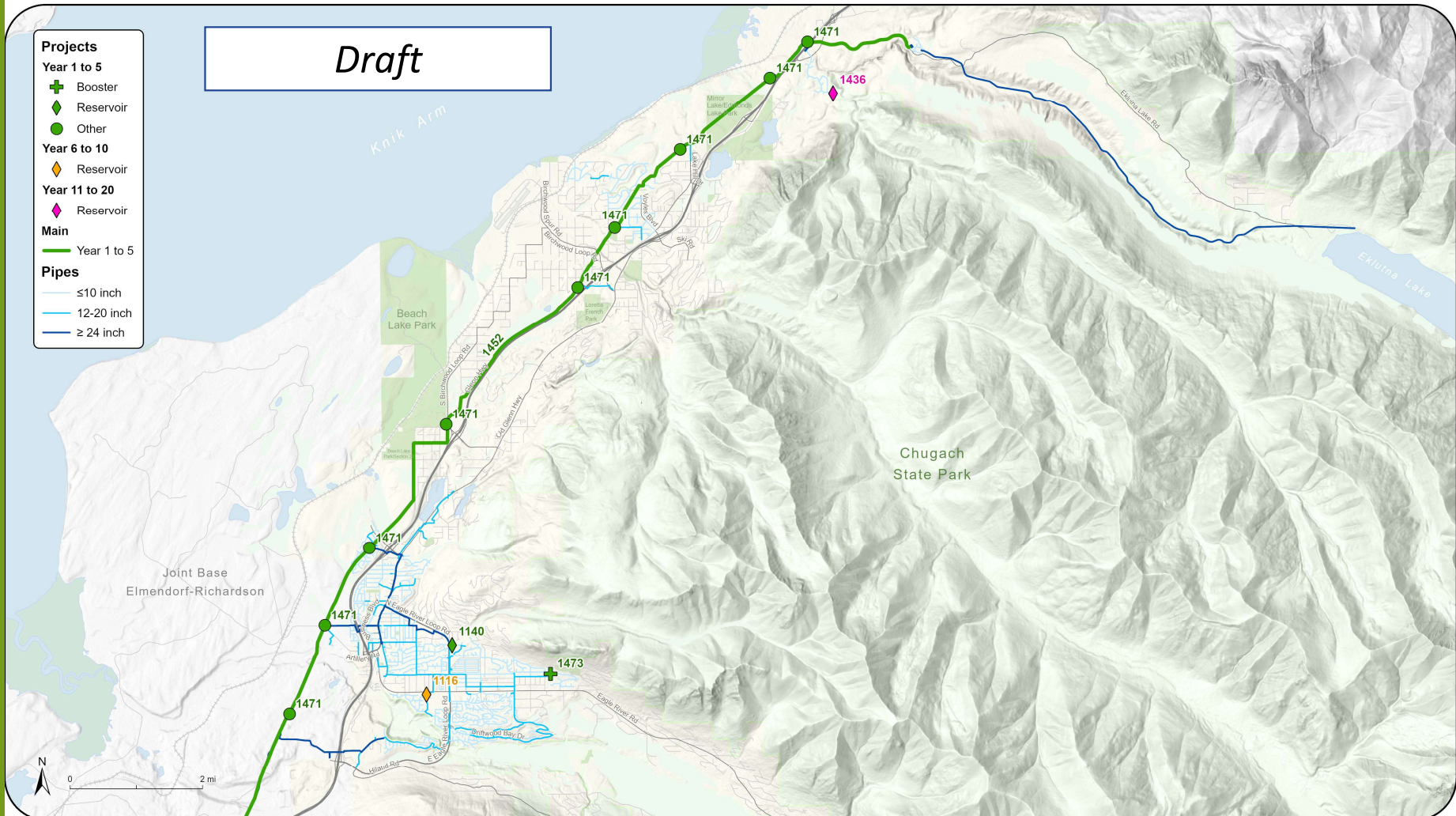
Main

Year 1 to 5

Pipes

- ≤10 inch
- 12-20 inch
- ≥ 24 inch

Draft





CAPACITY IMPROVEMENTS

- Mitigating potential of transmission main failure
- Supporting future development opportunities

Meet peak demand (Summer/Warmer Weather)

Project examples:

- Girdwood water supply improvements
- Eagle River Fire Lake reservoir (new)



SYSTEM OPTIMIZATION

- Minimizing operating costs
- Maximizing redundancy and resilience

Increase redundancy and efficiency of service

Project examples:

- Smaller pipe inerties and connections (systemwide)
- Pressure zone consolidations
- Electrical generating turbine installations



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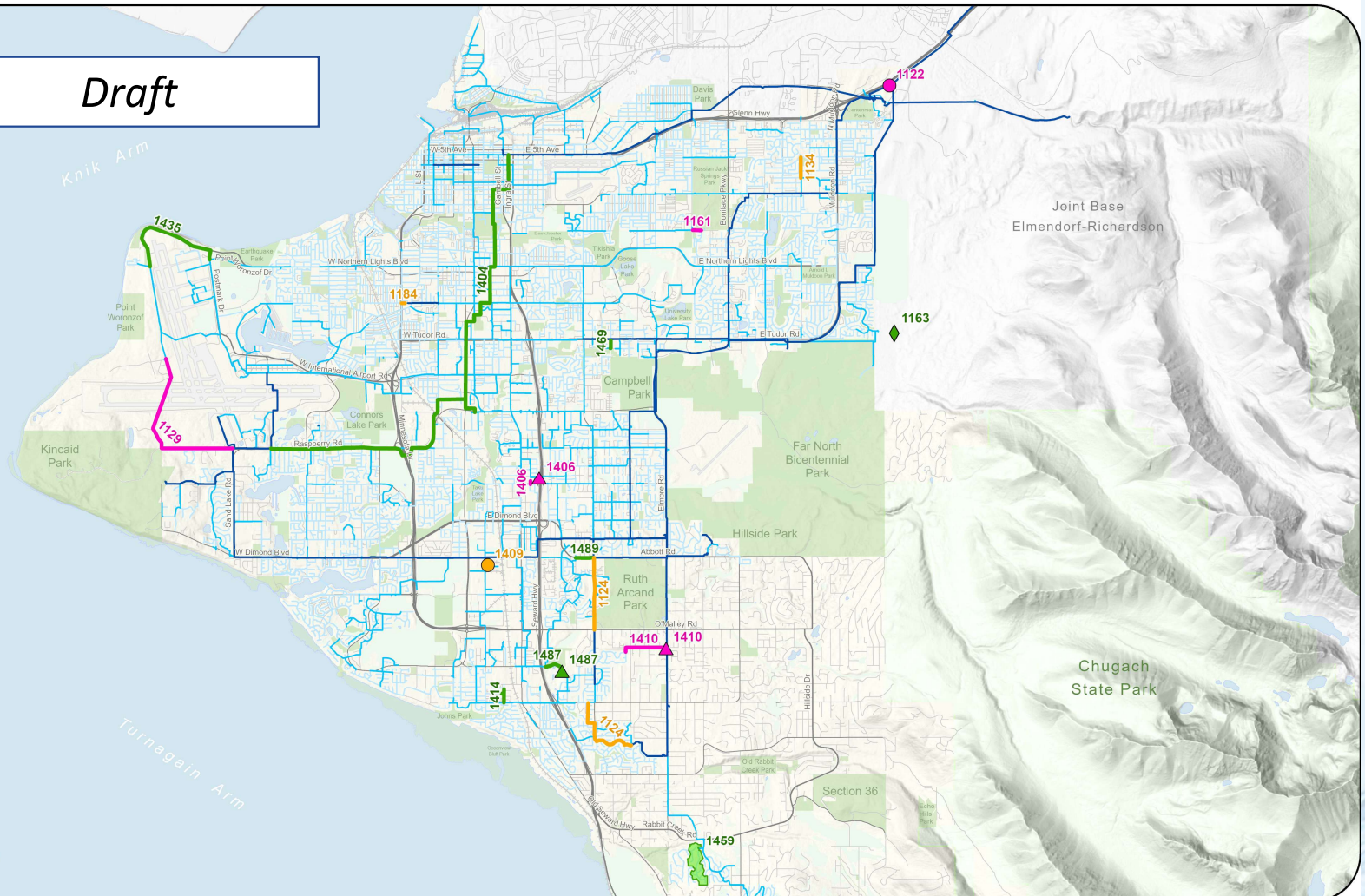


ANCHORAGE Capacity Improvement & System Optimization



- Projects**
- Year 1 to 5**
- PRV
 - Reservoir
- Year 6 to 10**
- Other
- Year 11 to 20**
- PRV
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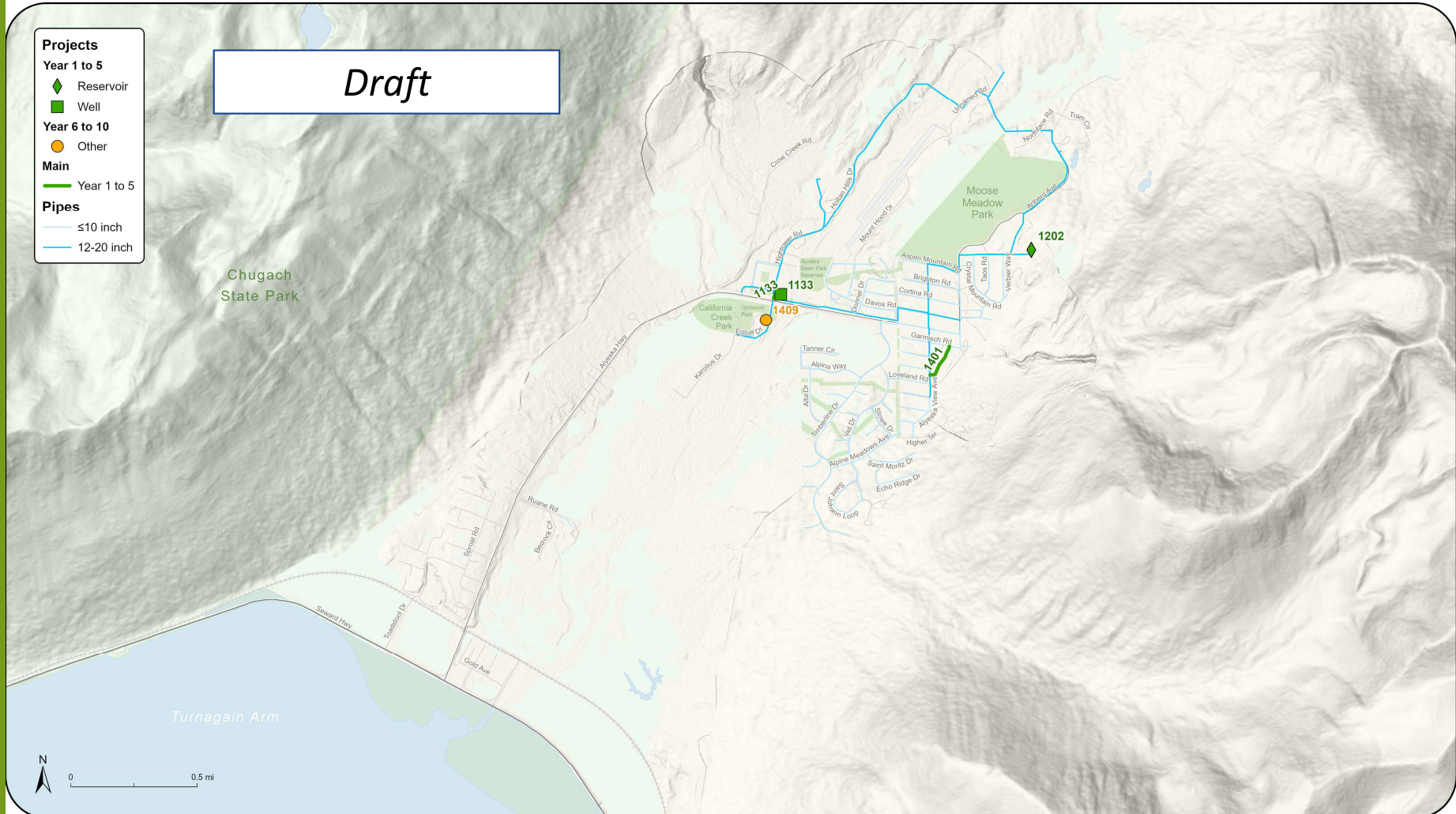


GIRDWOOD Capacity Improvement & System Optimization



- Projects**
- Year 1 to 5**
- Reservoir
 - Well
- Year 6 to 10**
- Other
- Main**
- Year 1 to 5
- Pipes**
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SCHEDULE



**ANCHORAGE WATER &
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3000 ARCTIC BLVD**





AWWU WATER MASTER PLAN



Stakeholder Outreach Meetings November – December 2025

- Anchorage Community Development Authority
- Girdwood Board of Supervisors
- Heritage Land Bank Advisory Committee
- AMATS Technical and Policy Committees
- AFD
- MOA Planning, PM&E
- DOT





AWWU WATER MASTER PLAN



Next Steps

- Publish Final Plan – February 2026





QUESTIONS?

THANK YOU

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<https://awwumasterplan.com>

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