CITY OF TETONIA
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SUB2025-3
PRELIMINARY PLAT
SUBDIVISION

UTILITY SYSTEM EVALUATION
CAPACITY ASSESSMENT

SANITARY SEWER REPORT

Pinnacle Peak Development

Prepared for the City of Tetonia, Idaho

Prepared by Eagle Rock Engineering
July 14, 2026

DRAFT — FOR REVIEW

11. Project Description

This report evaluates utility system capacity for the proposed Pinnacle Peak Subdivision, a residential development to be served by the City of Tetonia, Idaho. The development encompasses 38.346 acres, comprising 90 single family lots and 60 townhome units. Capacity calculations in this report are based on the applicant's engineering assumptions; items not yet established are shown as fill-in fields for completion during design.

1.1 Development Location

- **Parcel number(s):** RPC00000291201
- **Section, Township, Range:** Section 29, Township 6 North, Range 45 East

1.2 Existing Zoning and Proposed Land Use

- **Existing zoning:** R-3 – High Density Residential
- **Proposed land use:** Residential
- **Total site area:** 38.346 acres

1.3 Number of Lots, Units, or Buildings

- **Residential dwelling units (max.):** 90 Single Family Lots and 60 Townhome Units

1.4 Phasing Boundaries

- **Phase boundaries:** See Preliminary Plat for phase boundaries

1.5 Proposed Connection Point(s)

- **Connection point(s):** Sanitary sewer main running east-west between City limits and wastewater treatment facility

1.6 Infrastructure Outside City Limits

- **Does this proposal include infrastructure outside the city limits? (Yes/No):** Yes
- **If yes, describe:** In order to serve the development, sanitary sewer will route outside of City limits.

2. Existing Sewer System Evaluation

2.1 Known / Available System Information

- **Existing collection system serving the area:** Gravity sewer system
- **Existing wastewater treatment facility:** Class 1 Treatment System - Lagoons

2.2 Known System Capacity and Constraints

- **Permitted WWTP capacity:** 0.057 MG per day
- **Current average flow / remaining capacity:** 57,130 gpd (386 ERU's)

3. Wastewater Flow Projections (10 State Standards)

3.1 Design Criteria

Flow projections follow City of Tetonia Equivalent Residential Unit flows.

Parameter	Basis	Value
Residential unit flow	0.10 gpm (148 gpd) = 1 ERU	15 gpm (22,200 gpd) = 150 ERU

3.2 Average Daily Flow, Peak Flow, and Peaking Factors (Summary)

Flow Component	gpm	gpd
Average Daily Flow (ADF)	15	22,000
Peak Flow (Total)	61.3	90,724

- **Residential peaking factor:** 4.09

3.3 Lift Station and Elevation Considerations

Lift Station Elevations	Elevation	MH End-Discharge
Ground Elevation	5969.00	5973.00
Top Lift Station/MH (connecting to ex. pressure main)	5969.50	NA
Influent Inv In	5948.25	NA
8" Discharge Pipe (Top Pipe)	5963.00	5967.00
Floor Lift Station	5941.25	NA
Pump Elevation	5941.75	NA
Slope from LS to Discharge	0.0010	0.0010
Elevation/Static Head	25.25	25.25

- **Backup power accommodations:** Per City of Tetonia Standards