



WASTEWATER DISPOSAL REPORT

WATERBURY PUD DEVELOPMENT AND PRELIMINARY PLAN

September 8, 2021

Prepared by:

HR Green, LLC.
1975 Research Parkway, Suite 220
Colorado Springs, CO 80920
(719) 622-6222

Prepared for:

4-Way Ranch Metropolitan District #2
P.O. Box 50223
Colorado Springs, CO 80949



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2.0 WASTEWATER DISPOSAL

Collection System Description: Waterbury wastewater effluent will discharge into the Grandview Metropolitan District (GMD) trunkline within Curtis Road which is proposed to flow south through a series of lift stations to the Cherokee Metropolitan District Wastewater Treatment Plant interceptor located near the intersection of Curtis Road and Highway 94, eventually flowing to the wastewater treatment facility. Waterbury would account for approximately 6.8% of the proposed allowable capacity of the GMD allowed capacity.

The system is proposed to be a gravity sewer system located along Stapleton Road, crossing highway 24 and connecting at Curtis Road.

Only the proposed residential units are included in the wastewater report as the existing large lot residential units currently use a septic system.

A. Map Showing Relative Location of Point of Connection to an Existing System

Refer to Appendix B, Exhibit 1

B. Map Showing Relative Location of the Existing or Proposed Treatment Facility

Refer to Appendix B, Exhibit 2

C. Estimate of Projected Population, Units, and Density (Average Day)

Projected Wastewater Loads: Wastewater projections are based on similar districts' historical use in this area. It is expected that each SFE in Waterbury will generate an average of 172 gallons/day of wastewater. Table 1 below summarizes the projected wastewater loads for Waterbury Filing 1 and 2.

Table 1: Project Wastewater Loads

Description	SFE's	Average Base (GPD)	Average Day (GPD)
Single Family Residences	201	172	34,572
Grant Totals	201		34,572

D. Capacity of the Existing Treatment Plant and Current Utilization

Cherokee Metropolitan District has allocated 500,000 GPD of wastewater treatment capacity to GMD under the terms of the draft IGA. The capacity is sufficient to serve between 2900-2950 SFE's based on the presumptive use values from El Paso County.

The wastewater treatment plans current capacity is 2.6MGD, with an overall permitted discharge capacity of 4.8MGD



E. Anticipated Capacity of any Proposed Treatment Plant [N/A]

F. Letter of Commitment from the Wastewater Provider Proposed for Service w/Service Boundaries

Refer to Appendix B, Exhibit 3 for the Service Commitment letter

G. Statement by the Wastewater Provider that Adequate Capacity Exists

Refer to Appendix B, Exhibit 3 for the Service Commitment letter

H. Estimate of Construction Costs

Refer to the Improvement Guarantee Estimate (not part of this report)

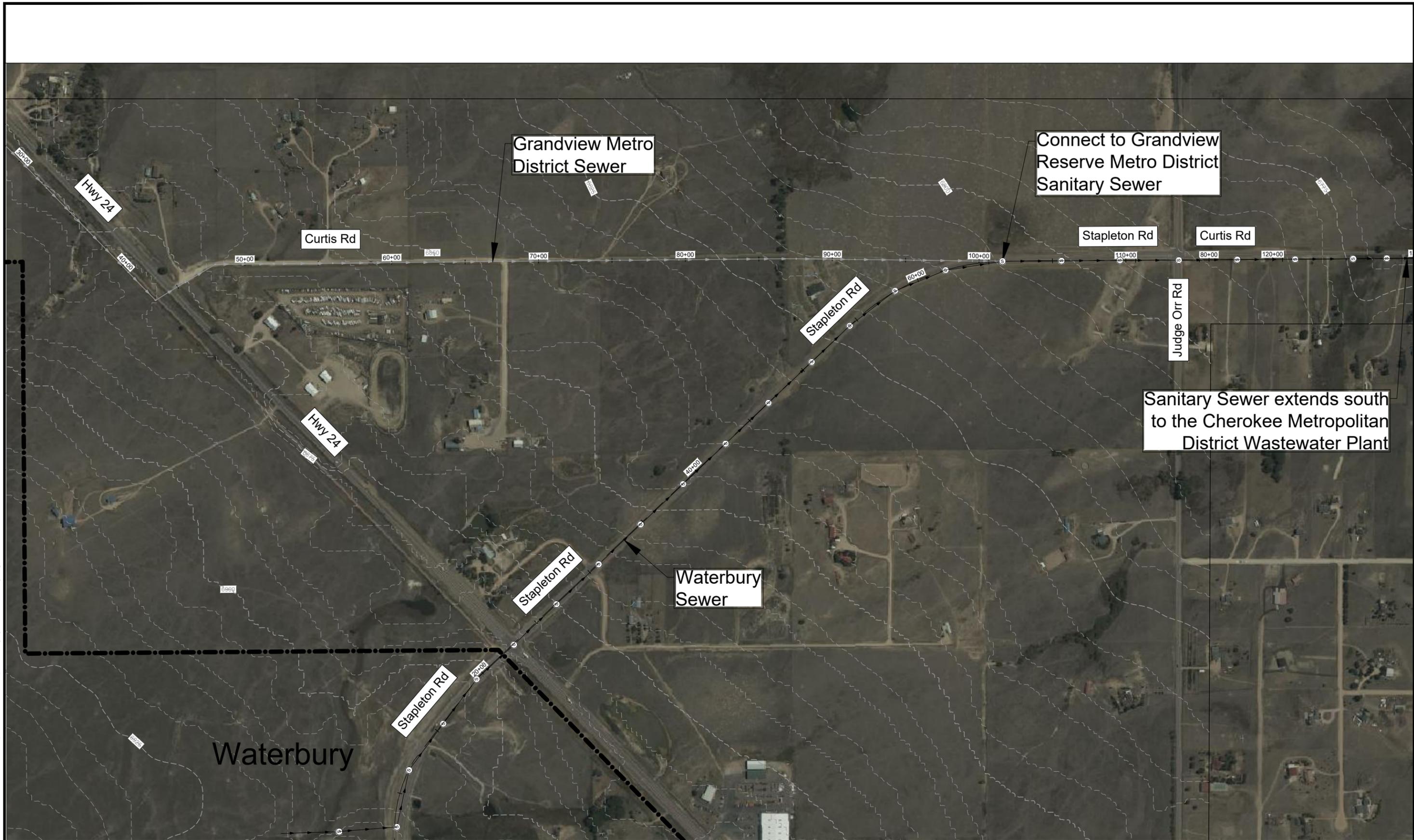
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4.0 APPENDIX B

Exhibit 1

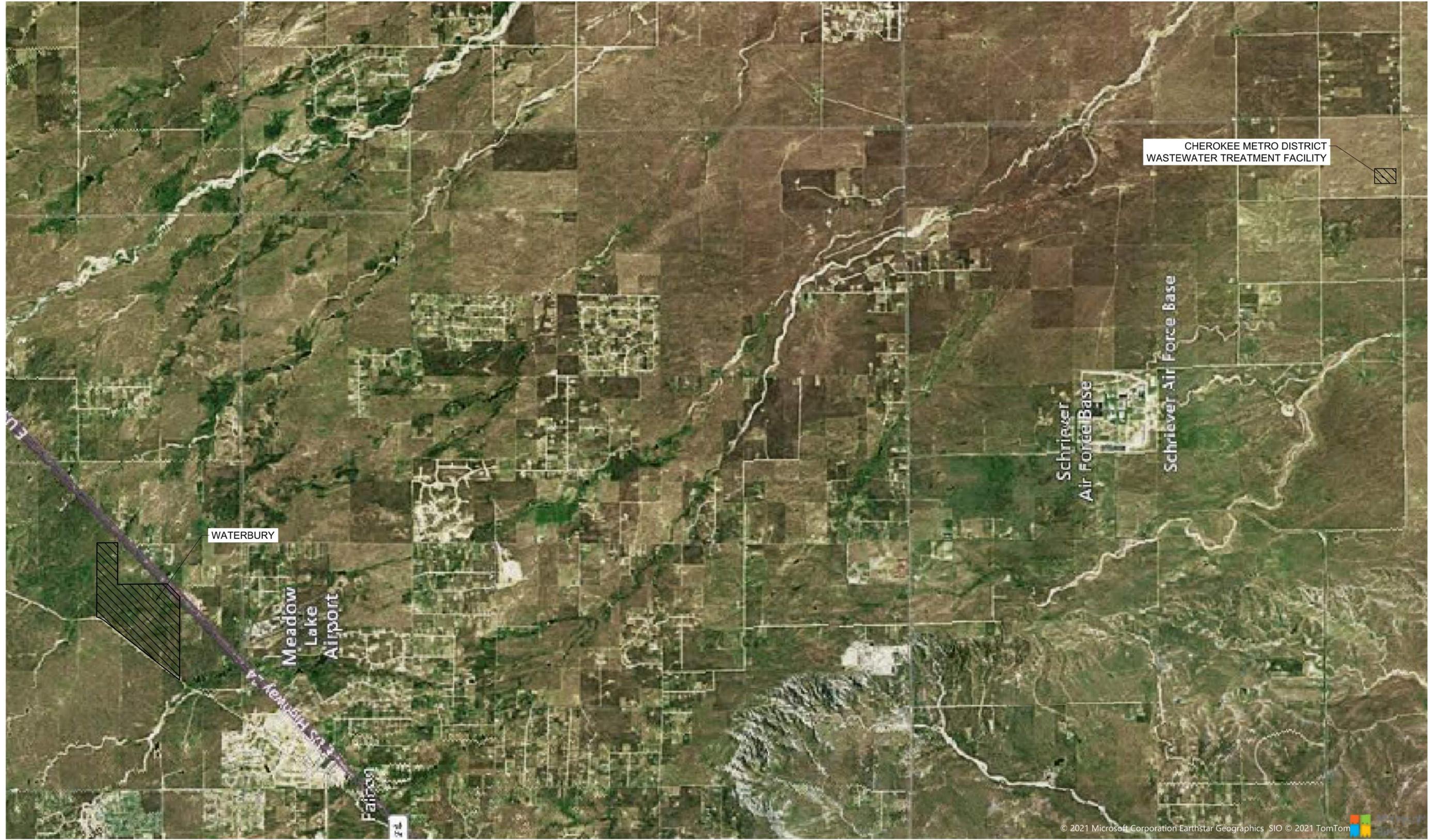


	Job No.: 200089	SANITARY ALIGNMENT WATERBURY
	Prepared By: AGC	
	Date: 8/11/2021	

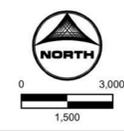
FIG.3



Exhibit 2



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OVERALL AREA EXHIBIT



Exhibit 3

4 Way Ranch Joint Venture LLC
1271 Kelly Johnson Blvd, Suite 100
Colorado Springs, CO 80920

To Whom It May Concern:

Waterbury Filing 1 and 2 ("Project") has asked the Grandview Reserve Metropolitan District ("District") for the availability for wastewater collection to service the Project located between Highway 24 and Eastonville Road. The Project is proposed to include approximately 201 single-family equivalent ("SFE's") dwelling units and will be within the service area of the District, upon approval of the District formation. The District is in the process of obtaining Title 32 status through El Paso County and anticipates approval in the fall of 2021. With the creation of this District, an IGA will be drafted with Cherokee Metro District to provide treatment of the wastewater effluent for the District. The District will provide a portion of the allowable treatment capacity per the IGA for use in the Project.

This commitment to serve the Project is based upon the approval of the Grandview Reserve Metropolitan District Title 32 status. Final required water quantities may be adjusted depending on the approved final plat SFE requirements of the Project.