



WASTEWATER REPORT – STERLING RANCH EAST FILING NO 6-FINAL PLAT



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PREPARED FOR

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1.0 INTRODUCTION

This wastewater report is for the Sterling Ranch East Filing No. 6 Final Plat. The service entity is the Falcon Area Water and Wastewater Authority, and the property is in the service area. The service areas and location of tie-in point are shown in *Appendix A*. Filing 1 includes 56.13 gross acres and includes 198 single family lots. The proposed subdivision layout is shown in *Appendix B*.

1.1 OVERALL DEVELOPMENT DESCRIPTION

The Sterling Ranch East Filing No 6 development is east of Vollmer Road and north of and adjacent to Briargate Pkwy.

2.0 WASTEWATER REPORT

2.1 PROJECTED WASTEWATER LOADS

Wastewater unit user loading projections are based on similar District historical use developed in the Falcon area. Average daily- maximum monthly wastewater loads are expected to be roughly 172 gallons per day per single family residence. For population estimate, we are using 2.6 persons per household.

Table 1. Calculation of Wastewater Loads

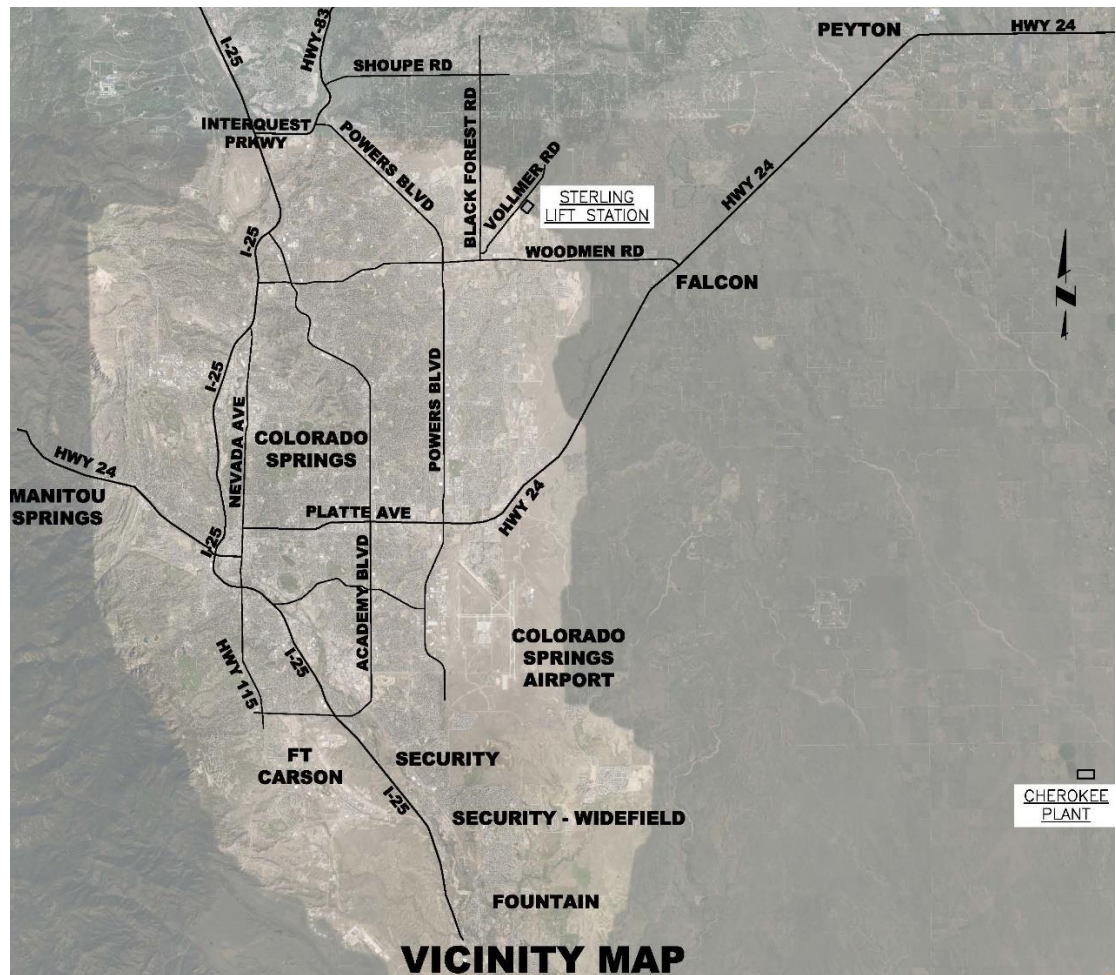
Use	Units	Single Family Equivalent	Average Daily Max-Month Flows	Estimated Population
	#	#	GPD	#
Residential Units				
Single family	198	198	34,056	515
Non-Residential Use				
NONE				
Total			34,056	

2.2 WASTEWATER TREATMENT PLANT

Interim Wastewater Treatment Services will be provided by Colorado Springs Utilities. A copy of the Interim Service Agreement was attached in prior Water and Wastewater Reports and therefore is not included here. FAWWA also has access to 1.006 MGD of wastewater treatment capacity in the Cherokee Wastewater Treatment Plant via Meridian Service Metro District.

MSMD owns 2.2 million gallons per day of wastewater capacity in the Cherokee Wastewater Treatment Facility. The plant operator, Cherokee Metropolitan District (CMD) has already approved the systems associated with transport and treatment. MSMD and CMD are in compliance with their current COC issued by the Colorado Department of Public Health and Environment. The location of the 4.6 MGD Cherokee Wastewater Treatment Plant is shown below:

Figure 1. Location of Cherokee Wastewater Treatment Plant





2.3 ADEQUACY OF WASTEWATER TREATMENT CAPACITY

The Falcon Area Water and Wastewater Authority has a perpetual contract with the Meridian Service Metropolitan District (MSMD) for the provision of wastewater treatment. The contract allows for the purchase of up to 5849 SFEs of wastewater capacity from MSMD which is equivalent to 1.006 Million Gallons/Day (MGD). Wastewater projections are based on similar District historical use developed in the Falcon area. Average daily-maximum monthly wastewater loads of 172 gallons per day per single family residence are iterated in the Wastewater Contract.

The loading projected from Sterling Ranch East Filing No. 6 Final Plat represents roughly 3.197% of the contractual capacity available to the Falcon Area Water and Wastewater Authority. FAWWA therefore has more than adequate wastewater treatment capacity to provide service to serve the Subdivision.

Including all commitments to date, (March 19th, 2026) and including Sterling Ranch East Filing No. 6 Final Plat, the current committed capacity is for 2,994 SFE which is 51.18 % of FAWWA contractual treatment capacity.

2.4 COLLECTION, PUMPING, AND PIPING

All lands to be developed within the Falcon Area Water and Wastewater Authority (FAWWA) areas will gravity feed to the southern portion of the Sterling site. This will be the main collection point for most of the entire future development as well. Sterling is completing construction of the Lift Station and Force Main to serve the area. The force main is constructed across the lower portion of The Ranch. From this point wastewater is intercepted by Meridian Service Metropolitan District and delivered to Cherokee through the Meridian system.