# for WINDERMERE

El Paso County, Colorado

## September 2020

## Prepared for:

## **Windsor Ridge Homes**

4164 Austin Bluffs Pkwy #361 Colorado Springs, CO 80918 Contact: James Todd Stephens (719) 200-9594

Prepared by:

#### Drexel, Barrell & Co.

3 South 7th Street Colorado Springs, CO 80905 Contact: Tim McConnell, P.E. (719) 260-0887

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## **APPENDICES**

VICINITY MAP
PRELIMINARY UTILITY PLAN
CHEROKEE METROPOLITAN DISTRICT COMMITMENT LETTER

#### WASTEWATER REPORT

for **WINDERMERE** 

El Paso County, Colorado

#### 1.0 PURPOSE

This report is prepared by Drexel, Barrel & Co in support of the Windermere project. This report is used to confirm that the sanitary sewer lines are sized to carry the peak wastewater discharge.

#### 2.0 GENERAL LOCATION AND DESCRIPTION

The site is located at the northwest corner of N. Carefree Cir. and Marksheffel Rd. - the E 1/2 of Section 29, Township 13 S, Range 65 W of the 6th P.M., El Paso County, Colorado.

The site is approximately 52.07 acres in size and slopes in all directions with a large hill in the southern half of the site and an existing temporary detention facility located at the northern end. The site is bound on the west by Antelope Ridge Dr., on the north by the Chateau at Antelope Ridge subdivision, on the east by Marksheffel Road, and on the south by N. Carefree Cir.

The current owner of the property is Windsor Ridge Homes.

The proposed concept plan will provide 203 single-family residences to be developed in two filings, residential roadways and two on-site water quality/detention ponds.

#### 3.0 WASTEWATER SERVICE

The owner/developer has already filed and been approved for inclusion within the Cherokee Metropolitan District. See appendix for the District commitment letter.

Proposed sanitary lines for the project will include onsite 8" mains that are proposed to connect to the existing 8" stub to the east of the site which connects to the existing 12" main that flows to the south along Marksheffel Rd. This line is owned and maintained by Cherokee Metropolitan District, and ultimately discharge into the Cherokee Metropolitan District Wastewater Treatment Plant. **The estimated wastewater load is 32,988 gallons per day.** 

See the Preliminary Utility Plan in the appendix for proposed wastewater system layout.

#### 4.0 PHASING/CONSTRUCTION/PERMITTING

Grading is anticipated to begin in Fall/Winter 2020. The residential roadways, utility mains and stormwater detention facilities will be installed at this time.

#### 5.0 SUMMARY

The Windermere development contains 52.07 acres, and is anticipated to generate a wastewater load of 32,988 gallons per day. Cherokee Metropolitan District has confirmed that the existing sanitary sewer main stubbed to the property and along Marksheffel Road is able to accommodate the additional flows.

This report represents a preliminary analysis of the wastewater collection system for the Windermere project. The system will be analyzed in further detail during the design process, and is subject to change due to final design considerations.

#### 6.0 UTILITY CONTACT INFORMATION

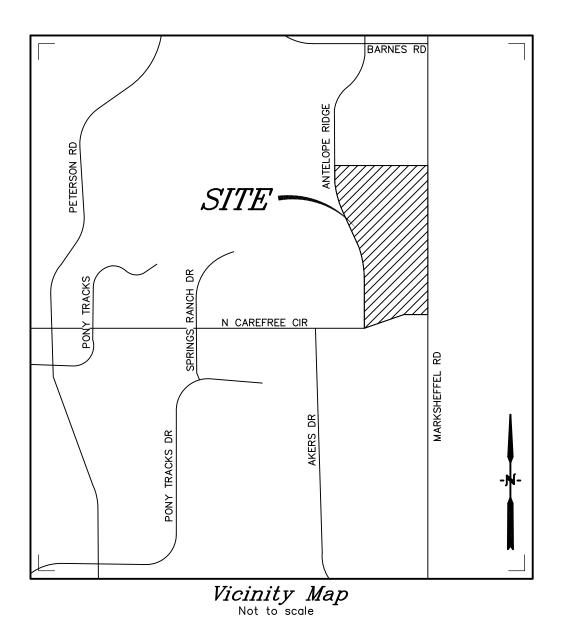
Cherokee Metropolitan District Attn: Amy Lathen, General Manager 6250 Palmer Park Blvd. Colorado Springs, CO 80915 Phone: (719) 597-5080

Fax: (719) 597-5145

Drexel, Barrell & Co. Attn: Tim McConnell, P.E. 3 South 7<sup>th</sup> Street Colorado Springs, CO 80905

Phone: (719) 260-0887





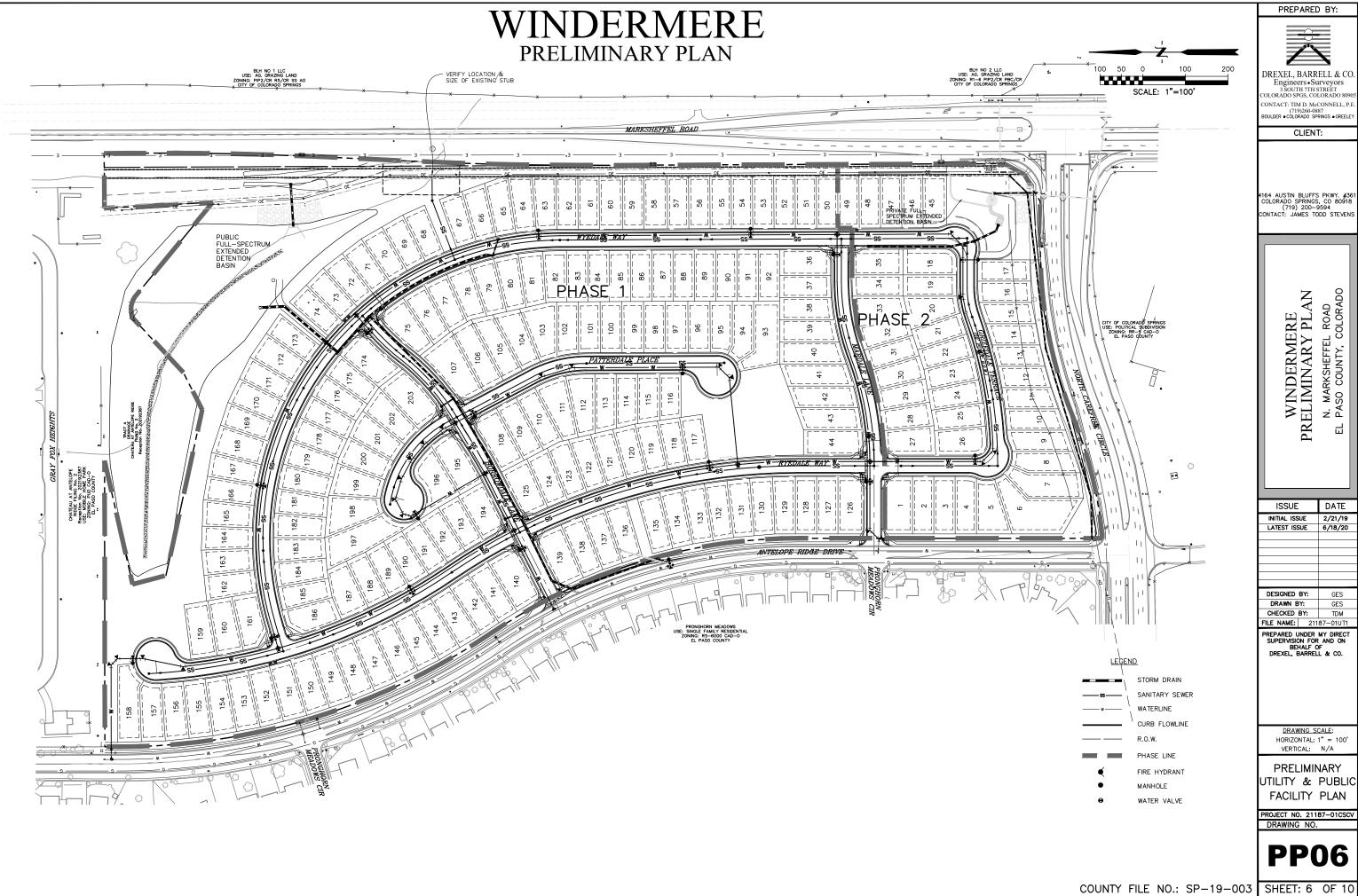


WINDERMERE COLORADO SPRINGS, CO VICINITY MAP Drexel, Barrell & Co.
Engineers • Surveyors

DATE: DWG. NO.

JOB NO: **21187-00CSCV** 

VMAP
SHEET 1 OF 1



ISSUE	DATE		
INITIAL ISSUE	2/21/19		
LATEST ISSUE	6/18/20		
DESIGNED BY:	GES		
DRAWN BY:	GES		
CHECKED BY:	TDM		
LE NAME: 211	87-01UT1		
REPARED UNDER MY DIRECT SUPERVISION FOR AND ON			

JTILITY & PUBLIC FACILITY PLAN

PROJECT NO. 21187-01CSCV DRAWING NO.

**PP06** 



## CHEROKEE METROPOLITAN DISTRICT

6250 Palmer Park Blvd., Colorado Springs, CO 80915-2842 Telephone: (719) 597-5080 Fax: (719) 597-5145

June 15<sup>th</sup>, 2020 Tim D. McConnell Drexel, Barrell, & Co 3 S 7<sup>th</sup> St Colorado Springs, CO 80905

> Sent via email: <u>tmcconnell@drexelbarrell.com</u> Original to follow by US Mail

Re: Water and Sewer Service to Windermere Subdivision

Commitment Letter No. 2020-09 (Revision of commitment 2018-06)

Dear Tim McConnell,

As requested, this document will serve is as a formal Letter of Commitment from the Cherokee Metropolitan District to provide municipal water and sewer services for Windermere Subdivision located at the northeast corner of N Carefree Circle and Antelope Ridge Drive. The proposed location for this development is located within the District's established boundaries and therefore is eligible for service connections from the District.

Cherokee Metropolitan District staff, along with the developer, have determined that the following will be the total water demand required by this occupancy:

Type of Use	Demand (AF/yr)
Single Family Homes	62.6
Irrigated Common Areas	6.2
Total	68.8

This water commitment is hereby made exclusively for this specific development project at this site within the District. To confirm this commitment you must provide the District with a copy of the final plat approval from El Paso County Development Services within 12 months of the date of this letter. Otherwise, the District may use this allocation for other developments requesting a water commitment. If the subject project is re-platted, you must submit a new commitment request prior to submitting the re-plat to El Paso County, which may result in a recalculation of the water demand for the project.

If I may be of further assistance please contact me at your convenience.

Sincerely,

Amy Lathen General Manager

Cc: Peter Johnson; Water Counsel w/ encl: sent via email Steve Hasbrouck; Board President w/ encl: sent via email Kevin Brown; Jr. Engineer

Types of Reports. (a)Sketch Plan Report. The following information shall be included in the wastewater report submitted with the sketch plan application:

- Map showing relative location of point of connection to an existing system;
- Map showing relative location of the existing or proposed treatment facility;
- Estimate of projected population, units, and density, as related to wastewater production on an average daily basis;
- Capacity of the existing treatment plant and current utilization;
- Anticipated capacity of any proposed treatment plant; and
- Letter of commitment from the wastewater provider proposed for service, with identification of whether the sketch plan area is within the service boundaries of the proposed provider.

(b)Preliminary Plan Report. The following information shall be included in the wastewater report submitted with the preliminary plan application:

- All items required to be included with the sketch plan report;
   and
- Letter of commitment from the wastewater provider proposed for service, which includes whether the preliminary plan area is within the service boundaries of the proposed provider, and a statement by the wastewater provider that adequate capacity exists or will exist in order to provide service.

combine the info from first version to this one...add the paragraphs that were removed to this report from version 1. Below is the list of requirements; this report should contain all of the items in red.

#### OPINION OF PROBABLE POPULATIO

The proposed development includes 202 sing population and quantity of effluent is as follo

Population: Single-family Residences: 202 u

Quantity of Effluent: Single-family Resident

The projected quantity of effluent is based up by other utility providers in the area. The act calculations.

#### WASTEWATER DISPOSAL

Effluent from the subdivision will be collected mainlines. The proposed internal 8 inch main on the east side of the subdivision near Mark stub is provided. A connection will be made a Metropolitan District treatment facility via of

#### WASTEWATER TREATMENT

Cherokee Metropolitan District's wastewater and sits on a 160-acre parcel, which is locate The plants actual foot print is roughly 26 of t The plants design rate capacity is 4.8 million receives 1.5 MGD. The wastewater that the plants design rate capacity is 4.8 million receives 1.5 MGD. The wastewater that the plants of these three is Ch 1.2 MGD, Meridian Service Metropolitan Di Air Force Base with their flow of 0.13 MGD

The treatment plant consists of an 'Influent' three 'Aerobic Digesters' (AD's), 'Blower' a building (i.e. Biosolids), two 'Equalization E

## WW Rep V\_4 redlines.pdf Markup Summary 2-4-2021

#### dsdparsons (4)



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