



## MEMO

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To: Kari Parsons, El Paso County

From: Greg Panza

Subject: **Letter of Intent** for Grandview Reserve Lift Station Forcemain Interceptor at Saddlehorn

HRG Project Number: 201662.07

El Paso County File #: PPR2421

Date: June 26, 2024

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**Owner and Applicant:** DR Horton, Riley Hillen [RHillen@drhorton.com](mailto:RHillen@drhorton.com), phone: 303.503.4903

**Property Address:** The parcel is located at the SE quadrant of the intersection of Judge Orr Rd and Stapleton Rd, no address yet.

**Tax schedule number:** 4300000635

**Current zoning:** RR-2.5 and general county right of way

The proposed construction of the lift station, force mains, and gravity sewers comply with the requirements of the Land Development Code and the required utilities will be coordinated and provided by DR Horton. The proposed construction will not generate additional traffic and does not anticipate having impacts on current traffic patterns.

The Grandview Reserve wastewater system is a regional system, collecting wastewater from the Grandview Reserve project and the upstream basin of a proposed lift station as described in the approved Grandview Reserve 1041. This project consists of four separate construction documents that includes the onsite primary collection sewer, gravity interceptor sewer (serving the lift station basin), lift station, and dual force main (FM) for the purpose of serving the sanitary sewer needs of the Grandview Reserve development and to satisfy the sewer needs within the overall developing tributary basin. The onsite primary collection sewer will collect flows from phase 1 of the Grandview Reserve development and convey them to the gravity interceptor sewer that discharges into the wetwell of the lift station. From the lift station, 2 (dual) force mains will deliver pumped flow to Woodmen Hills Metropolitan District (WHMD) wastewater treatment plant for treatment.

The Grandview Reserve Lift Station is located at the southeast corner of the intersection of Judge Orr Rd and Stapleton Rd, which consists of two parcels (lots 35 and 36) of Saddlehorn Ranch Filing No. 3, within section 3, township 13 south, range 64 west, within El Paso County (EPC). No ponds anticipated on the lift station site as drainage will conform to the Saddlehorn Ranch Filing 3 Drainage Study. The dual force mains will be constructed within the right of way of Stapleton/Curtis Rd from the lift station, crossing HWY 24, to WHMD treatment plant, which is located in the northeast corner of the intersection of Meridian Ranch Blvd and Stapleton Rd. The gravity interceptor sewer has 2 parts, the initial and future phase. The initial phase to be constructed starts by the intersection of Curtis Rd and Hwy 24, within the right of way of Rock Island Trail, which belongs to EPC, crosses the trail and Hwy 24 and follows Curtis Rd south towards the lift station. Much of the gravity sewer will be within private permanent easements to be obtained by DR Horton from adjacent landowners. The future interceptor sewer portion will be constructed north of the initial phase within the Rock Island Trail parcel to collect future flows up to/crossing Drainage D, once the entirety of the Grandview Reserve development is further along in planning/design. The onsite gravity sewer is located in a dedicated sewer easement within the Grandview Reserve development. The sewer follows the southern boundary of the Grandview Reserve development to connect to the interceptor sewer within the Rock Island Trail parcel.

Construction activities anticipated for each project are listed in the table below.



Table 1. Anticipated Construction Activities by Project.

Project	Construction activities anticipated
Lift Station	Foundation/building excavation and dewatering for the lower level and wetwells of the lift station. Installation of pumping equipment and accessories, electrical, controls, HVAC, and backup generator. There is also yard piping for the force mains and gravity interceptor to connect to and piping and tanks for underground storage and bypass. Initial erosion control and final stabilization/seeding will occur.
Dual Force Mains	Trench excavation and dewatering to install 2 pipelines in parallel (14-inch FM and 8-inch diameter FM) with bedding. Several trenchless installation locations for the 2 pipelines also included crossing major roadways and existing utilities such as Hwy 24 and large culverts. Length of each force main is about 3.3 miles (17,700 ft), or 6.6 miles total (35,400 ft). Installation of discharge structure, combo valve vault and vents, test stations, and clean outs. Initial erosion control and final stabilization/seeding will occur.
Interceptor Sewer	Trench excavation and dewatering to install 1 pipeline (includes 15-inch and 18-inch diameter) with bedding and manholes roughly every 400 feet apart or shorter. Once trenchless installation to cross Hwy 24. Length is about 9,500 feet (1.8 miles) and there are stub-outs for future connection from adjacent developments. Installation of flow metering equipment and accessories at the manhole that connects to the Onsite sewer. Initial erosion control and final stabilization/seeding will occur.
Onsite Sewer	Trench excavation and dewatering to install 1 pipeline (includes 8-inch, 10-inch and 12-inch diameter) with bedding and manholes roughly every 400 feet apart or shorter. Length is about 5,400 feet (1.02 miles) and there are stub-outs for future connection other future filings within the Grandview Reserve development. Initial erosion control and final stabilization/seeding will occur.
Substitute Landscape	El Paso County low grow seed mix is proposed to revegetate and return disturbed areas throughout the pump station site to their original condition. Due to site restrictions with existing utilities, proposed utilities, easements and to prevent any conflicts with plant material and the pump station functionality, plant material within this area will not meet standard code as justified above.
Utilities	Water – Grandview Reserve Metropolitan District Wastewater – Woodmen Hills Metro District Electric/Fiber – Mountain View Electric Association Natural Gas – Black Hills Energy Fire – Falcon Fire Protection District

The dual force main, interceptor sewer, and onsite sewer will have temporary impact to the floodplain from construction activities. There is infrastructure proposed within the Current Effective 100-yr floodplain, but outside the existing, pending 100-yr floodplain. No additional fill is planned in the floodplain or floodway besides the backfill of the trenches to restore to pre-construction grades/conditions.

There's minimal disturbance to non-jurisdictional wetlands for the onsite sewer, interceptor, and dual force main projects. Nation Wide Permits and Pre-construction notification are being coordinated. It's expected that disturbed areas will be restored back to pre-construction conditions.

Utilities to the proposed lift station site will include water and electrical service. Water service will be provided by Saddlehorn Ranch Metro District. Electrical service will be provided by Mountain View Electric Association.

**Grandview Lift Station - Letter of Intent - Submittal 1 Comment Response**

Page Label	Comments	Author	Date	HR Green Response
1	intersection	CDurham	7/24/2024	Corrected
1	-Please include: -File number: PPR2421	ashmathy	7/30/2024	Added
2	floodway	CDurham	7/24/2024	Corrected
2	Address the 7 items listed in the ECM Appendix B Section B.1.2.D, as to why no TIS is required.	CDurham	7/24/2024	Added statements address why no TIS is needed based on the 7 items listed in ECM Appendix B Section B.1.2.D
2	Indicate the road impact fees will need to be paid for lift station (Use square footage of building and Public/Institution fees).	CDurham	7/29/2024	Statement added.
2	-Please include an explanation about the substitute plan and why. -Please provide discussion on who the utilities to the site are	ashmathy	7/30/2024	Substitute plan added to LOI. Discussion of utilities added to LOI.