



MERIDIAN SERVICE METROPOLITAN DISTRICT
Water, Wastewater, Parks and Recreation
11886 Stapleton Dr, Falcon, CO 80831
719-495-6567, Fax 719-495-3349

August 13, 2019

Dear Meridian Ranch Resident:

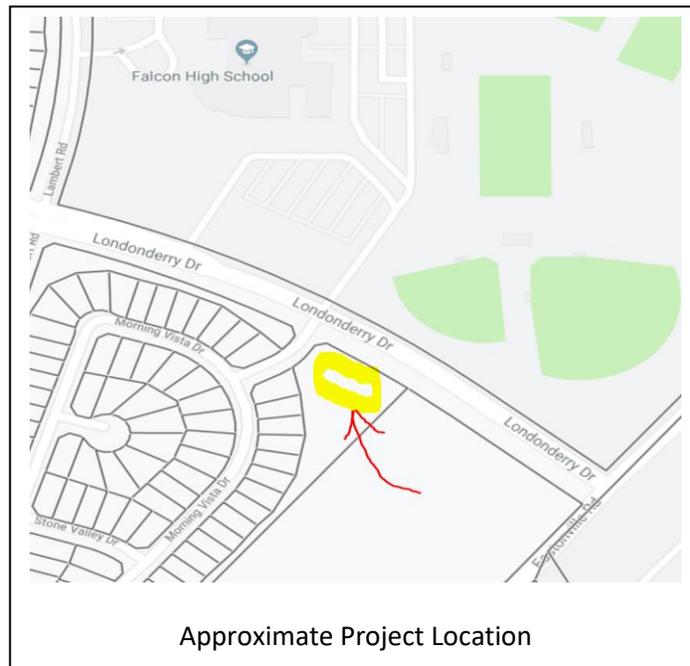
Subject: Construction of Water Supply Well Site No. 6

This letter provides you with information about a construction project near your home. The project is expected to be under construction from late August through mid-November of this year. The following paragraphs explain the purpose and construction operations associated with this project.

As Meridian Ranch continues to grow, the developer and your Meridian Service Metro District regularly expand and improve the public infrastructure that provides essential services. The most important infrastructure is our water supply system. Once such expansion that will soon be noticeable is the drilling of an additional water supply well. During September and October, drilling operations will occur on the south side of Londonderry Drive across the street from the High School and east of Meridian Vista Way.

The well drilling rig will be very large and visible, however the wellhead improvements, when completed, will be small and almost invisible from Londonderry Drive. There are already several water supply well sites in Meridian Ranch that residents drive by daily without notice. For safety reasons, we do not publish their locations.

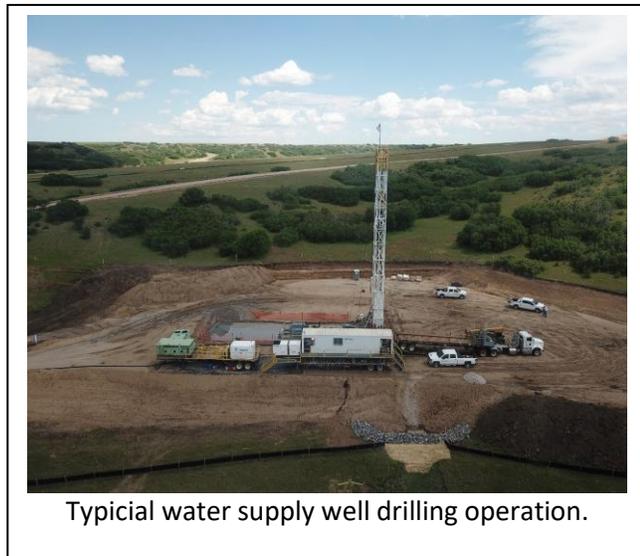
Once started, drilling operations on each of two wells at this site will continue 24/7 until completed. Hydro Resources will install temporary sound walls around the drilling rig to protect Falcon High School and nearby residents from the sound of the drilling operations.



There is no fracking of underground rock formations involved in the drilling of the water supply wells. The project involves simply drilling a deep borehole, installing a steel casing in the hole, and backfilling the space between the casing and the hole with sand and gravel.

Some interesting project facts:

- Meridian Ranch is provided with groundwater from 9 wells within Meridian Ranch and 6 wells about 10 miles east of here. This current project is known as Water Supply Well Site No. 6. There is no significance to the number 6 in the naming of this well site.
- The well site will actually have two wells drilled close together. One will be approximately 1,700 feet deep for extracting water from the Arapahoe Aquifer of the Denver Groundwater Basin. The other well will be approximately 2,300 feet deep for extracting water from the Laramie-Fox Aquifer of the Denver Groundwater Basin. Both well holes will be drilled for a 17.5-inch diameter borehole, and both will be fitted with a 10-inch diameter steel pipe casing.
- Our drilling contractor is Hydro Resources from Fort Lupton, Colorado.
- The current contract with Hydro Resources is for the well drilling and casing only. The drilling will cost \$1.3 million. Another contract yet to be bid out will provide the pumps and electrical controls to complete the project at an estimated additional cost of \$0.7 million. The total project construction cost is estimated at \$2 million.
- The District's consulting design engineer on the project is JDS-Hydro of Colorado Springs. JDS-Hydro designed the project will also provide construction inspection services for the project.
- Schedule:
 - Mobilization will begin the Week of August 21st with the installation of sound walls and conductor casing.
 - Drilling of the wells is expected to begin the following week and will proceed for approximately 8-weeks to the end of October.
 - Pump testing will wrap up this phase of the project and may potentially extend into mid-November.
- The drill rig used to drill the well boreholes weighs approximately 140,000 pounds. It occupies a space about 200-feet by 100-feet and will extend about 70 feet high.
- This project will use approximately 4,000 feet of steel pipe.
- The completed well will be documented with video photography.
- Drilling for water is risky as there is no assurance of the quantity or quality of water that each well will be able to produce. The probable water quantity and quality is based on experience with other water supply wells in the area. Once the two wells are completed, the contractor will conduct test pumping to determine their water supply productivity.



Typical water supply well drilling operation.

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- This project has obtained permits from the State of Colorado and the County of El Paso. It is consistent with the overall development plans for Meridian Ranch.
- There is no fracking involved.
- No additional treatment processes will be required with the project. Well Site 6 will pump to an existing filtration plant for treatment to drinking water standards.
- It is anticipated that all phases of the Well Site 6 project will be completed by May of 2020.



Typical completed well site in Meridian Ranch

Watch for news and updates about this and other matters on the District's website.

If you have specific questions or concerns about this project, please contact the District by email at Admin@MeridianService.org , or by phone at 719.495.6567.

Sincerely,



David A. Pelsler, PE, BCEE
General Manager

Meridian Service Metropolitan District – Water, Sewer, Drainage, Parks, Recreation