



Oil and Gas Permit Application

Section (25) Water Use Plan

Aurora Phase 1 Development

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1.0 Water Use Plan

The raw water will be purchased and delivered to the site per the Agreement for Delivery of Water dated August 6, 2019. Raw water will be sourced from one of the three designated delivery points in the Agreement depending on the timing of regulatory approval for reclaimed water use and construction timing for the third delivery point.

Water will be transported via layflat above-ground water lines to central water storage ponds. Potential layflat water line routing and the location of the storage ponds are described on the attached figure. Temporary right of way will be secured from private landowners along the route prior to layflat line install. All necessary license agreements will also be approved prior to installation of the layflat lines. Layflat lines will be run through existing culverts at road crossings whenever possible. Lines may be bored under the road if no other means of crossing is available.

From the water storage ponds, layflat lines will run to the individual well pads. The ACM Highpoint pad will receive water from the ponds delivered via layflat lines from the ponds paralleling 64th Ave on private land, then north and west into the pad location. Temporary right of way will be secured prior to the installation of the lines. The route is contingent on securing Right of Way Agreements with the landowners along the proposed route.

Raw water will be stored on pad in two modular large volume storage tanks (MLVT's). The MLVT's are strictly regulated by the Colorado Oil and Gas Conservation Commission (COGCC). MVLTS specific BMP's are required as part of the 2A permit and include engineering certifications of the tank install, liner specifications, setbacks from equipment and signage.

Once the raw water is used for completions it will return to the surface as flowback produced water, a RCRA E&P waste. Waste water will be injected at a licensed third party disposal facility outside of Aurora City Limits. Axis will not install or utilize any injection well within a buffer of four miles around Aurora City Limits.

Legend



Crossing Type

- Drainage Crossing
- Driveway Crossing
- Pad Access Rd Crossing
- Road Crossing

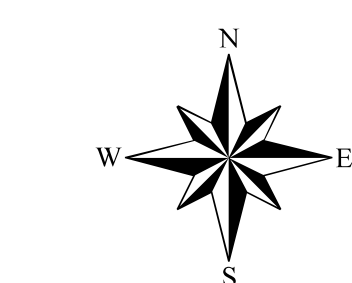
Proposed Layflat Route



Proposed Pad Location

Proposed DP

County Boundary



1 inch = 1,497 feet
0 0.225 0.45 0.9 Miles

**South Hawkeye Area
Phase 1
Units/Pads**

Scale: 1:19,250	PRJ: GCS NAD83
Date: 12/9/2019	Author: CMB

