

Transportation Plan

Date: May 17, 2023

Location: OGDG DP455/ YY18-07 Pad



Legal Description: SWNE Section 18, Township 2 North, Range 63 West, 6<sup>th</sup> P.M., Weld County, Colorado

Noble has initiated the 1041WOGLA process with Weld County, and a pre-application meeting was held on December 21, 2022. During the pre-application meeting, Noble provided access routes and other pertinent information related to traffic and transportation to Weld County and other participants (COGCC, CPW, CDPHE, and the Town of Keenesburg) and those routes and information have been the subject of continued consultation with Weld County and the Town of Keenesburg. As a result of these consultations, the approved access route provided in the enclosed Access Road Map was agreed to by all parties, and Noble is in the process of amending an existing Road Maintenance Agreement (RMA) with the Town of Keenesburg and will also execute an RMA with Weld County as part of the 1041WOGLA approval process. Most of the public roads that will be utilized for this project that are currently designated as being managed by Weld County are planned to be annexed by the Town of Keenesburg at a currently unknown future date. When that annexation has been completed, the RMAs with both jurisdictions will be modified accordingly.

The approved access road route is provided in the enclosed 1041 WOGLA Haul Route Map, and specific details of that approval are as follows –

- Access to the YY18-07 Pad from public roads will be via WCR 49 onto WCR 18 which turns into WCR 59, and the location will be accessed from WCR 59. WCR 18 is currently under the Town of Keenesburg's jurisdiction from WCR 49 to near where the road curves north to become WCR 59, at which point the road is under Weld County's jurisdiction. As noted above, the Town of Keenesburg has plans to annex the entirety of this haul route but the timing for this annexation has not been defined. As a result, Noble is in the process of amending an existing RMA with the Town of Keenesburg for the use of the portion of WCR 18 currently under their jurisdiction and with Weld County for the remaining public roads that are currently under the county's jurisdiction. When the annexation has been finalized, both RMAs will be modified accordingly.
- The access route after leaving WCR 59 will be via private roads constructed/improved for this project.

The following table provides an estimate of the traffic associated with the various phases of development for the YY18-07 Pad and OGDG DP455 in its entirety. The estimated distribution of this traffic to the public roads that to be utilized for this development is indicated on the enclosed Haul Route Map.

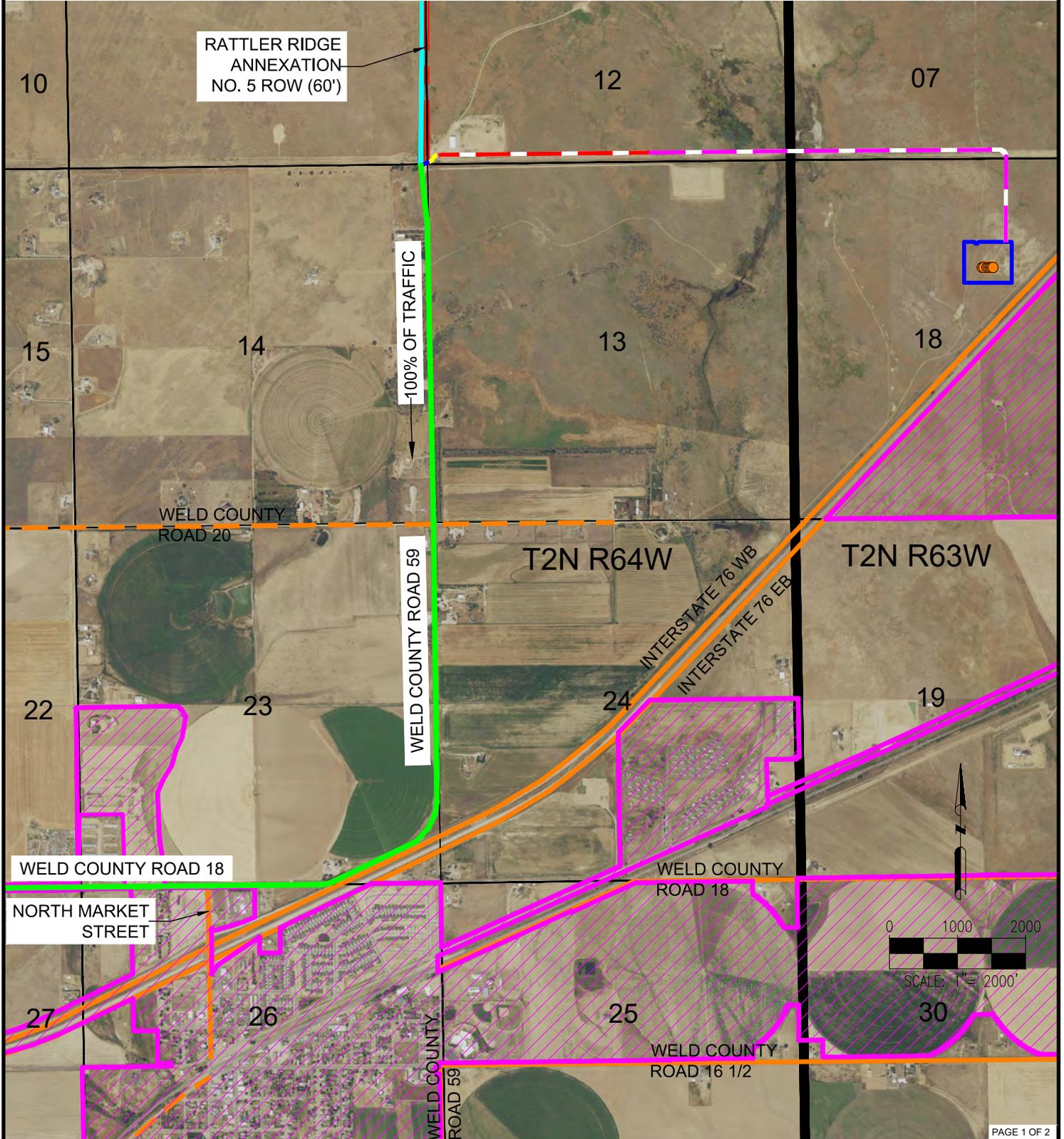
<b>YY18-07 Pad Baseline Traffic Summary</b>			
Phase	Heavy Truck Trips Per Location	Light Truck Trips Per Location	DP455 Cumulative Trips
Construction	1,080	105	2,370
Drilling	3,634	3,636	14,540
Completions	4,783	2,723	15,012
Interim Reclamation	465	50	1,030
Production <sup>(1)</sup>	0	10,950	10,950

<sup>(1)</sup> Production trips will be combined for multiple locations within DP455 and the Y11-28 Multi Facility whenever possible.

**BMP:**

- At the time of construction, all leasehold roads shall be constructed to accommodate local emergency vehicle access requirements and shall be maintained in a reasonable condition. Well pads will be constructed in a sequential fashion; as one location is completed, the construction team will move to the next location.
- Temporary surface pipelines will be used to deliver water for completions operations, thereby eliminating the truck traffic associated with water hauling.
- Flowlines from the well pad to the existing permitted Y11-28 Multi production facility will be constructed prior to starting flowback operations to eliminate truck traffic associated with flowback and production.
- Production operations are remotely monitored continuously from Noble's Operations Control Center (OCC) to minimize the need for personnel to drive to the well pad.
- Speed limit of 20 MPH will be enforced on the unpaved private roads.
- Operator shall employ practices for control of fugitive dust caused by their operations. Such practices shall include but are not limited to the use of speed restrictions, regular road maintenance, restriction of construction activity during high wind days, and silica dust controls when handling sand used in hydraulic fracturing operations. Additional management practices such as road surfacing, wind breaks and barriers, or automation of wells to reduce truck traffic may also be used to minimize fugitive dust emissions.

**YY18-07 PAD**  
**1041 WOGLA HAUL ROUTE MAP**



PAGE 1 OF 2

	= PROPOSED WELL		= TOWNSHIP LINE
	= DISTURBANCE AREA		= SECTION LINE
	= MUNICIPAL BOUNDARY - TOWN OF KEENESBURG		= PUBLIC ROAD - GRAVEL
	= PROPOSED Y12-15 PAD ACCESS ROAD		= PUBLIC ROAD - PAVED
	= PROPOSED ACCESS ROAD		= HAUL ROUTE
	= PRIVATE ROAD - PAVED		= EXISTING ACCESS ROAD (TO BE IMPROVED)
			= EXISTING ACCESS ROAD
			= ROAD RIGHT-OF-WAY

HAUL ROUTE PASSES NO SCHOOL FACILITIES, FUTURE SCHOOL FACILITIES AND/OR CHILD CARE CENTERS

DISCLAIMER:  
 THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE RELIED UPON TO DETERMINE BOUNDARY LINES, PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS. PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.

DATA SOURCE:  
 AERIAL IMAGERY: NAIP 2021  
 PLSS: BLM

PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.

8620 Wolff Court  
 Westminster, CO 80031  
 (303) 928-7128  
 www.ascentgeomatics.com

FIELD DATE:  
**04-18-23**

DRAWING DATE:  
**05-01-23**

BY:  
**HJL**

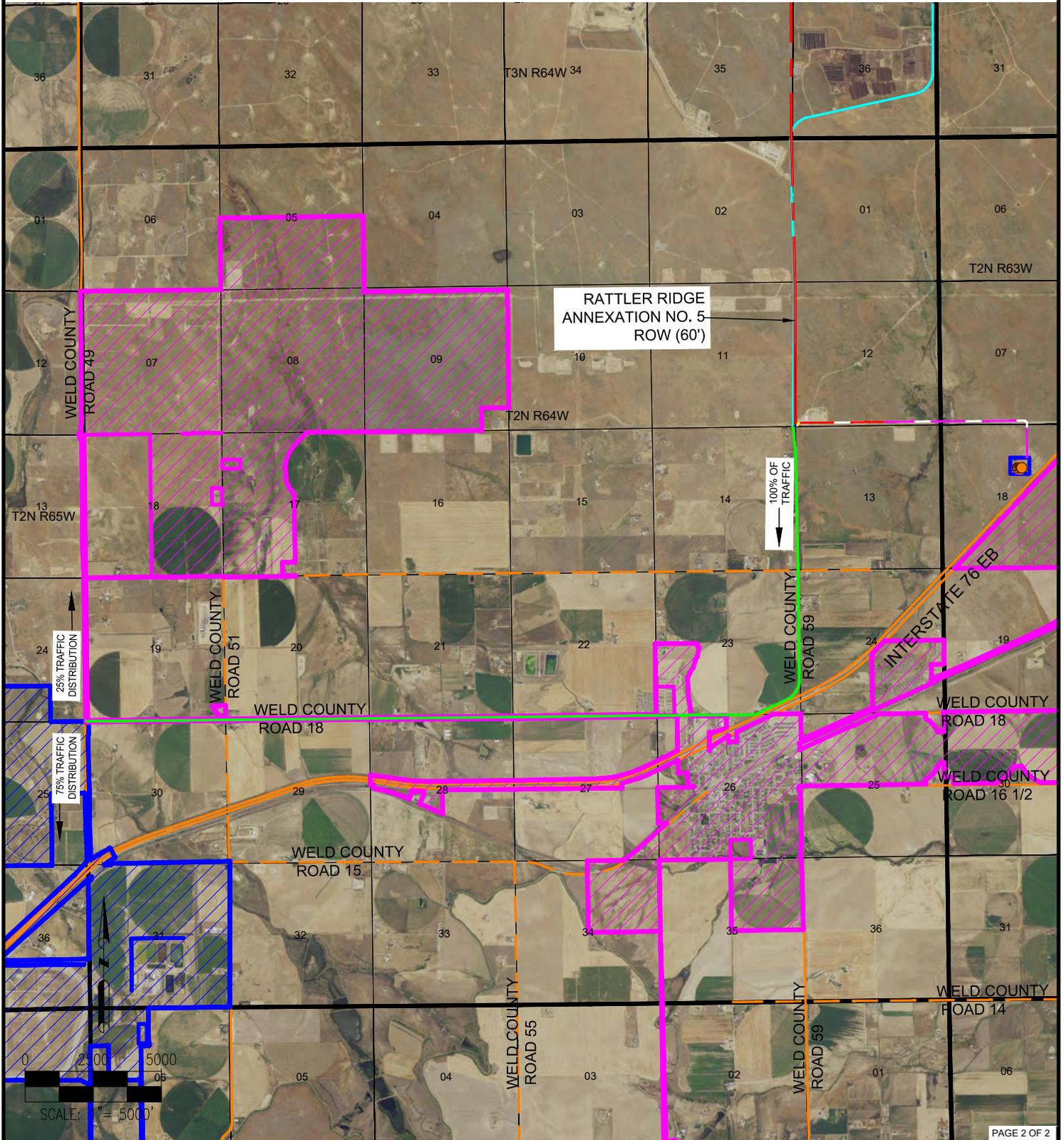
CHECKED:  
**CSG**

SITE NAME:  
**YY18-07 PAD**

SURFACE LOCATION:  
**SW 1/4 NE 1/4 SEC. 18, T2N, R63W, 6TH P.M.**  
**WELD COUNTY, COLORADO**

PREPARED FOR:

# YY18-07 PAD 1041 WOGLA HAUL ROUTE MAP



<b>LEGEND:</b> <span style="color: orange;">●</span> = PROPOSED WELL <span style="border: 2px solid blue; padding: 2px;"> </span> = DISTURBANCE AREA <span style="border: 1px solid blue; padding: 2px;"> </span> = MUNICIPAL BOUNDARY <span style="border: 1px solid blue; padding: 2px;"> </span> = TOWN OF HUDSON <span style="border: 1px solid blue; padding: 2px;"> </span> = MUNICIPAL BOUNDARY <span style="border: 1px solid blue; padding: 2px;"> </span> = TOWN OF KEENESBURG <span style="border: 1px solid blue; padding: 2px;"> </span> = PROPOSED Y12-15 PAD ACCESS ROAD <span style="border: 1px solid blue; padding: 2px;"> </span> = PRIVATE ROAD - PAVED	<span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span> = TOWNSHIP LINE <span style="border-bottom: 1px dashed black; width: 20px; display: inline-block;"></span> = SECTION LINE <span style="border-bottom: 1px dashed orange; width: 20px; display: inline-block;"></span> = PUBLIC ROAD - GRAVEL <span style="border-bottom: 1px solid orange; width: 20px; display: inline-block;"></span> = PUBLIC ROAD - PAVED <span style="border-bottom: 1px solid orange; width: 20px; display: inline-block;"></span> = HAUL ROUTE <span style="border-bottom: 1px solid orange; width: 20px; display: inline-block;"></span> = EXISTING ACCESS ROAD <span style="border-bottom: 1px solid orange; width: 20px; display: inline-block;"></span> = PROPOSED ACCESS ROAD <span style="border-bottom: 1px solid orange; width: 20px; display: inline-block;"></span> = PROPOSED ACCESS ROAD <span style="border-bottom: 1px solid orange; width: 20px; display: inline-block;"></span> = ROAD RIGHT-OF-WAY	<p style="text-align: center;">HAUL ROUTE PASSES NO SCHOOL FACILITIES, FUTURE SCHOOL FACILITIES AND/OR CHILD CARE CENTERS</p> <p><small>DISCLAIMER: THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE RELIED UPON TO DETERMINE BOUNDARY LINES, PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS. PARCEL LINES, IF DEPICTED HAVE NOT BEEN FIELD VERIFIED AND MAY BE BASED UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.</small></p> <p><small>DATA SOURCE: AERIAL IMAGERY: NAIP 2021 PLSS: BLM PUBLICLY AVAILABLE DATA SOURCES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY ASCENT.</small></p>								
<p>8620 Wolff Court Westminster, CO 80031 (303) 928-7128 www.ascentgeomatics.com</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">FIELD DATE: <b>04-18-23</b></td> <td style="width: 50%;">SITE NAME: <b>YY18-07 PAD</b></td> </tr> <tr> <td>DRAWING DATE: <b>05-01-23</b></td> <td>SURFACE LOCATION: <b>SW 1/4 NE 1/4 SEC. 18, T2N, R63W, 6TH P.M.</b></td> </tr> <tr> <td>BY: <b>HJL</b></td> <td>CHECKED: <b>CSG</b></td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>WELD COUNTY, COLORADO</b></td> </tr> </table>	FIELD DATE: <b>04-18-23</b>	SITE NAME: <b>YY18-07 PAD</b>	DRAWING DATE: <b>05-01-23</b>	SURFACE LOCATION: <b>SW 1/4 NE 1/4 SEC. 18, T2N, R63W, 6TH P.M.</b>	BY: <b>HJL</b>	CHECKED: <b>CSG</b>	<b>WELD COUNTY, COLORADO</b>		<p>PREPARED FOR: </p>
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