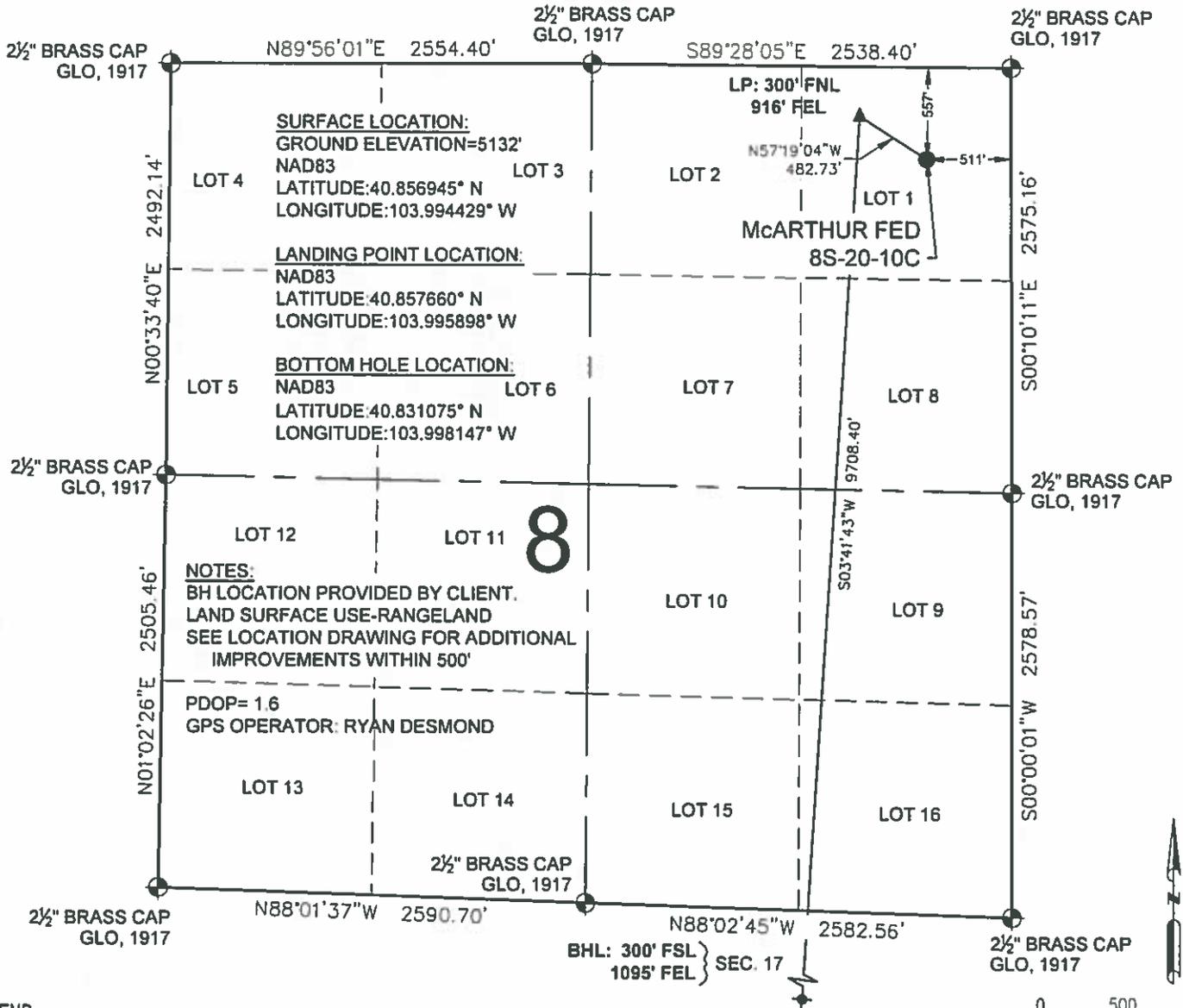


McARTHUR FED 8S-20-10C WELL LOCATION CERTIFICATE



LEGEND

- ⊕ = EXISTING MONUMENT ✦ = BOTTOM HOLE
- = CALCULATED POSITION ▲ = LANDING POINT
- = PROPOSED WELL LP = LANDING POINT
- ◆ = EXISTING WELL BHL = BOTTOM HOLE LOCATION

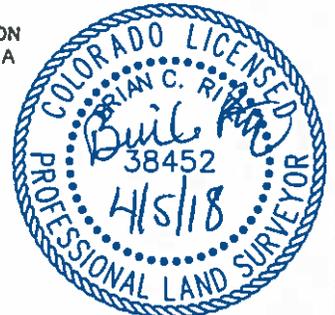
**WELL McARTHUR FED 8S-20-10C TO BE
LOCATED 557' FNL & 511' FEL**



NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C O G C C , RULE NO 215
2. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GROUND VALUES AS GPS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO LINES SHOWN HEREON. THIS LOW DISTORTION PROJECTION (LDP) IS BASED ON THE NORTH AMERICAN DATUM OF 1983, U.S. SURVEY FOOT WITH A LATITUDE ORIGIN OF 40.82351°N, A CENTRAL MERIDIAN LONGITUDE OF 103.96912°W, AND A SCALE FACTOR ON THE CENTRAL MERIDIAN OF 1.000239 (EXACT). THE LDP BASIS OF BEARINGS IS GEODETIC NORTH.
3. FIELD VERIFICATION OF MONUMENTS COMPLETED WITHIN 1 YEAR OF SIGNATURE DATE, UNLESS OTHERWISE NOTED.

I, BRIAN C. RITZ, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY TO 8 NORTH LLC THAT THE WELL LOCATION CERTIFICATE SHOWN HEREON WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.



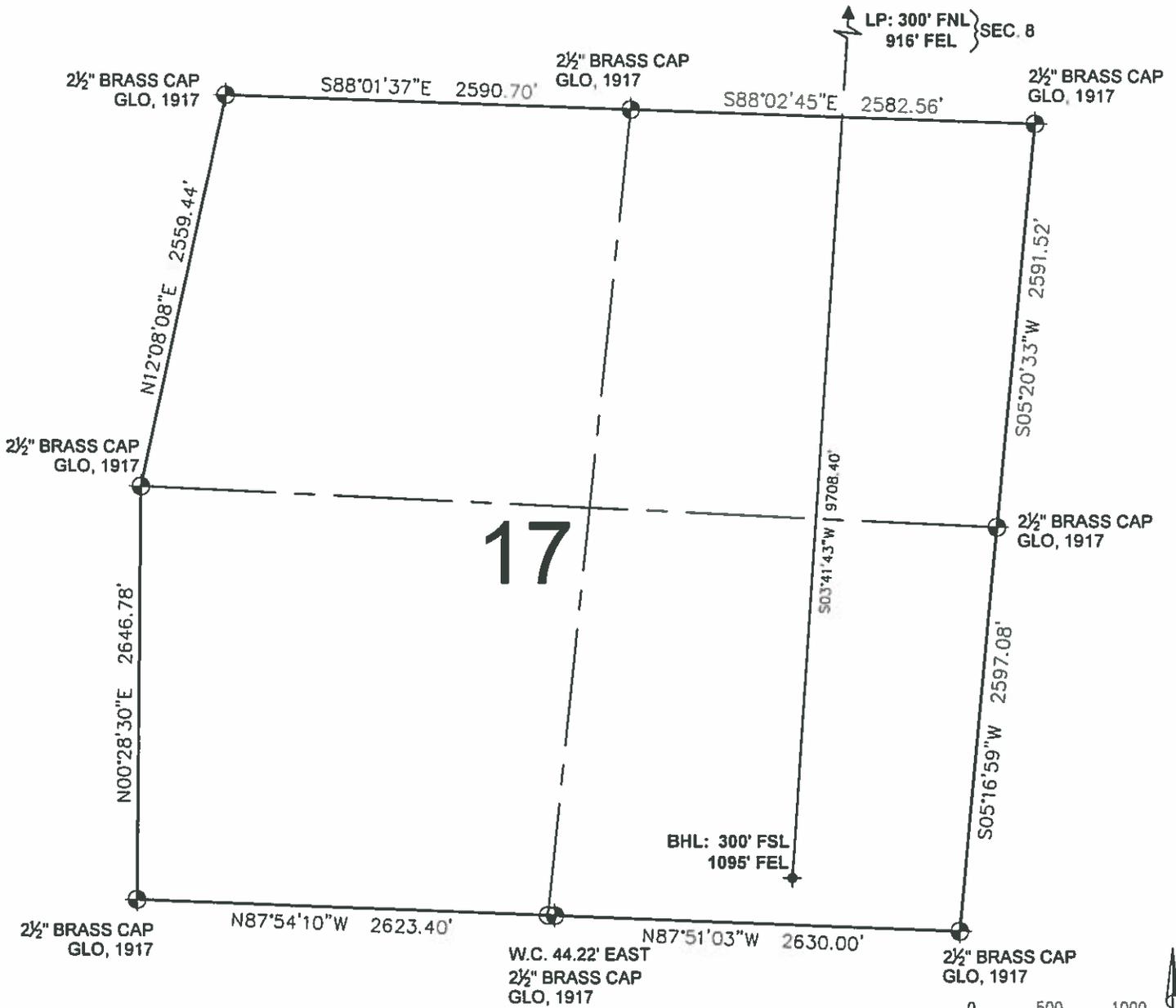
NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION SHOWN HEREON.

BRIAN C. RITZ, PLS 38452
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
FOR AND ON BEHALF OF P.F.S., LLC
d.b.a. ASCENT GEOMATICS SOLUTIONS

SHEET 1 OF 2

<p style="font-size: 8px; margin-top: 5px;">2535 Hilltop Circle Denver, CO 80221 (303) 978-7128 www.ascentgeomatics.com</p>	FIELD DATE: 03-30-18	WELL NAME: McARTHUR FED 8S-20-10C	PREPARED FOR:
	DRAWING DATE: 04-02-18	SURFACE LOCATION: LOT 1, SEC. 8, T10N, R59W, 6TH P.M. WELD COUNTY, COLORADO	
BY: MMP	CHECKED: TCP		

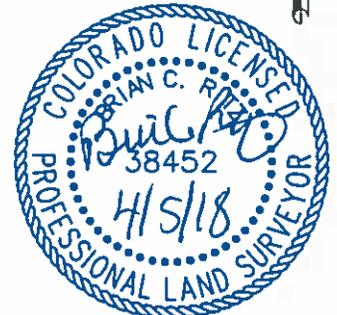
McARTHUR FED 8S-20-10C WELL LOCATION CERTIFICATE



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BRIAN C. RITZ, PLS 38452
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC
 d b a. ASCENT GEOMATICS SOLUTIONS



SHEET 2 OF 2

 <p style="font-size: small;">7535 Hilltop Circle Denver, CO 80221 (303) 928-7728 www.ascentgeomatics.com</p>	FIELD DATE: 03-30-18	WELL NAME: McARTHUR FED 8S-20-10C	PREPARED FOR: 
	DRAWING DATE: 04-02-18	SURFACE LOCATION: LOT 1, SEC. 8, T10N, R59W, 6TH P.M. WELD COUNTY, COLORADO	
BY: MMP	CHECKED: TCP		