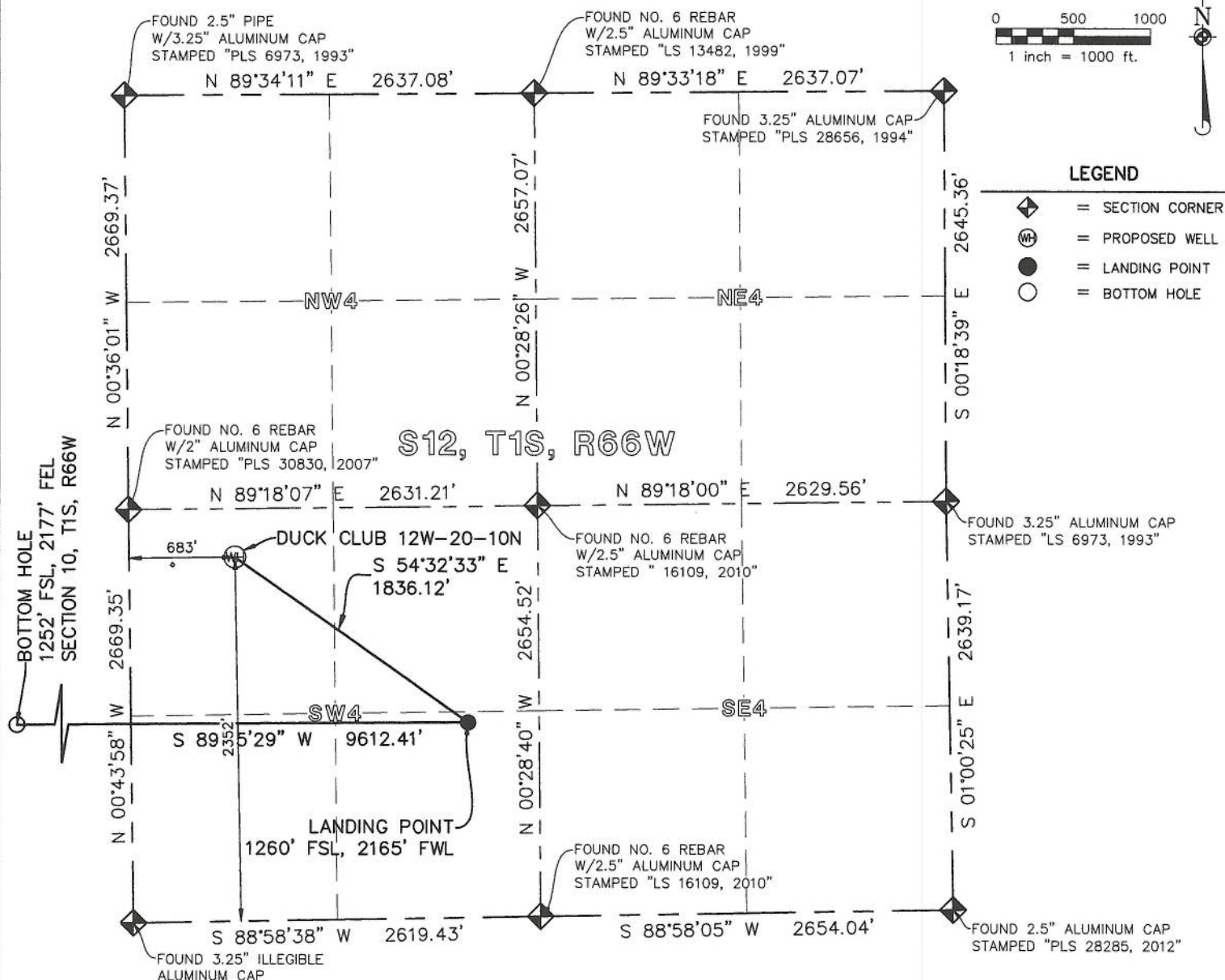


SECTION: 12
TOWNSHIP: 1 SOUTH
RANGE: 66 WEST

WELL LOCATION CERTIFICATE DUCK CLUB 12W-20-10N

SHEET 1 OF 3



IN ACCORDANCE WITH A REQUEST FROM CHRIS SIMMONS OF EXTRACTION OIL & GAS, LLC., MANHARD CONSULTING HAS DETERMINED THE SURFACE LOCATION OF THE DUCK CLUB 12W-20-10N WELL TO BE 2352' FSL, 683' FWL, AS MEASURED AT NINETY (90) DEGREES FROM THE SECTION LINES OF SECTION 12, TOWNSHIP 1 SOUTH, RANGE 66 WEST, AND THE BOTTOM HOLE LOCATION TO BE 1252' FSL, 2177' FEL, AS MEASURED AT NINETY (90) DEGREES FROM THE SECTION LINES OF SECTION 10, TOWNSHIP 1 SOUTH, RANGE 66 WEST, OF THE SIXTH PRINCIPAL MERIDIAN, ADAMS COUNTY, COLORADO.

I HEREBY STATE THAT THIS WELL LOCATION CERTIFICATE WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, THAT THE WORK WAS COMPLETED ON 02/01/2018 FOR AND ON BEHALF OF EXTRACTION OIL & GAS, LLC., AND THAT THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY, IT IS NOT A LAND SURVEY PLAT OR AN IMPROVEMENT SURVEY PLAT AND IT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF FENCE, BUILDING OR OTHER FUTURE IMPROVEMENT LINES.

NAD 83 LATITUDE AND LONGITUDE			
SURFACE LOCATION:		LANDING POINT:	
LATITUDE:	N39.97876	LATITUDE:	N39.97580
LONGITUDE:	W104.73097	LONGITUDE:	W104.72566
ELEVATION:	5037	BOTTOM HOLE:	
PDOP:	1.7	LATITUDE:	N39.97584
QTR/QTR:	NW4/SW4	LONGITUDE:	W104.75996

NEAREST CULTURAL ITEMS:

BUILDING:	1461'± W
BUILDING UNIT:	1461'± W
HIGH OCC. BLDG UNIT:	4240'± W
DES. OUTSIDE ACTIVITY AREA:	5280'±
PUBLIC ROAD:	2350'± S
ABOVE GROUND UTILITY:	656'± SW
RAILROAD:	972'± NW
PROPERTY LINE:	331'± NW

NOTES:

- 1) BASIS OF BEARINGS: THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 12, TOWNSHIP 1 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN IS ASSUMED TO BEAR NORTH 00°43'58" WEST BETWEEN THE FOUND MONUMENTS AS SHOWN AND DESCRIBED HEREON.
- 2) HORIZONTAL DATUM IS NAD83.
- 3) VERTICAL DATUM IS NAVD88 AND ORIGINATES FROM THE TRIMBLE VRS NETWORK, UTILIZING THE GEOID12B MODEL.
- 4) SEE LOCATION DRAWING FOR VISIBLE IMPROVEMENTS WITHIN 500' OF PROPOSED DISTURBED AREA.
- 5) INS. OPERATOR: KEITH TAPHORN



BRIAN J. PFOHL, PLS 38445
FOR AND ON BEHALF OF
MANHARD CONSULTING

PREPARED BY:



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FIELD DATE:

02/01/2018

DRAWING DATE:

03/27/2018

DRAWN BY:

BJP/CBS/SKY

CHECKED BY:

BJP

PARCEL ID:

0156900000278

SURFACE LOCATION:

THE NORTHWEST QUARTER OF THE
SOUTHWEST QUARTER OF SECTION 12,
TOWNSHIP 1 SOUTH, RANGE 66 WEST OF
THE SIXTH PRINCIPAL MERIDIAN,
ADAMS COUNTY, COLORADO

PREPARED FOR:







SECTION: 12
TOWNSHIP: 1 SOUTH
RANGE: 66 WEST

WELL LOCATION CERTIFICATE

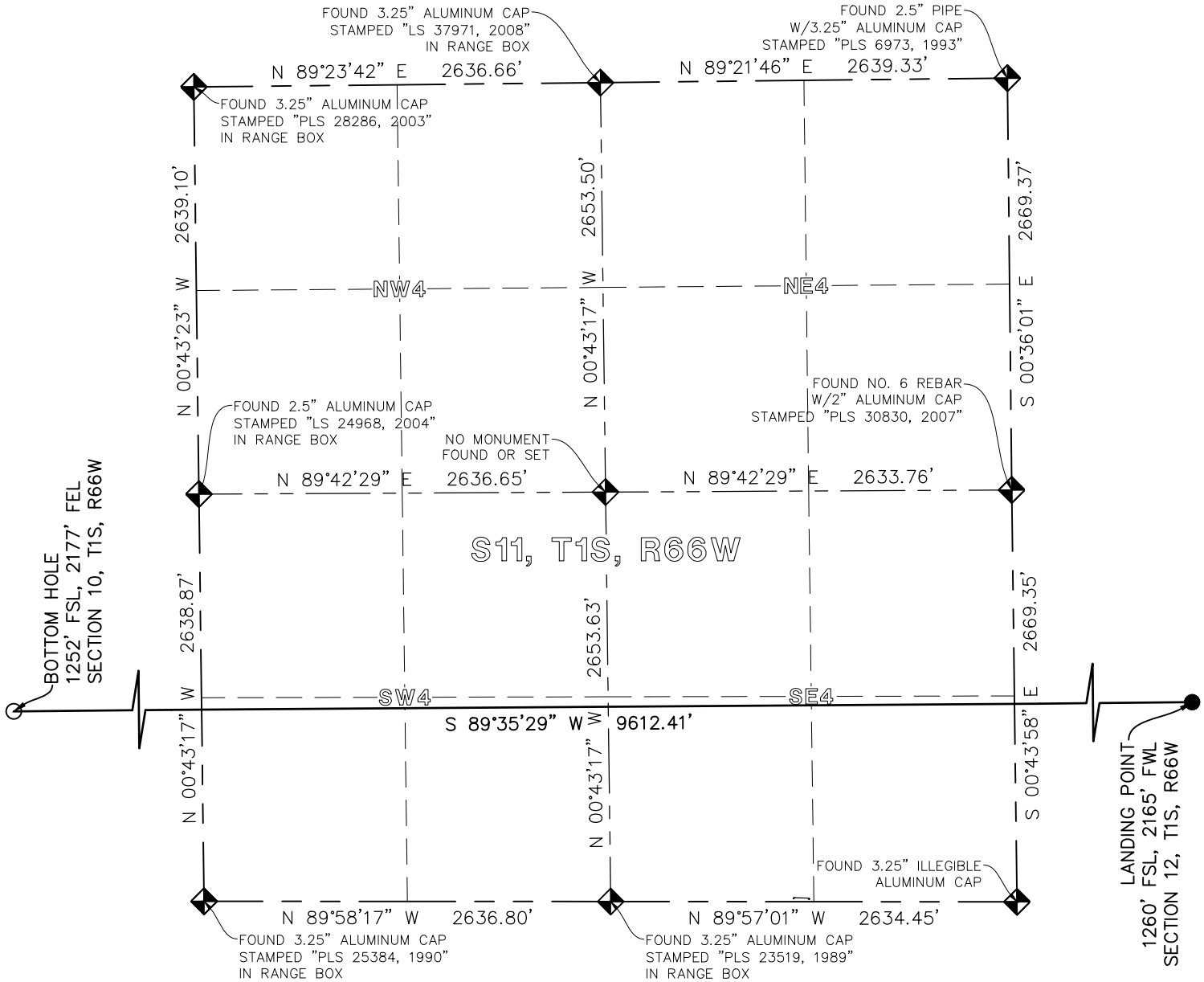
DUCK CLUB 12W-20-10N

SHEET 2 OF 3

LEGEND

-  = SECTION CORNER
-  = PROPOSED WELL
-  = LANDING POINT
-  = BOTTOM HOLE

0 500 1000
1 inch = 1000 ft.



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ADAMS COUNTY, COLORADO

PREPARED FOR:







SECTION: 12
TOWNSHIP: 1 SOUTH
RANGE: 66 WEST

WELL LOCATION CERTIFICATE

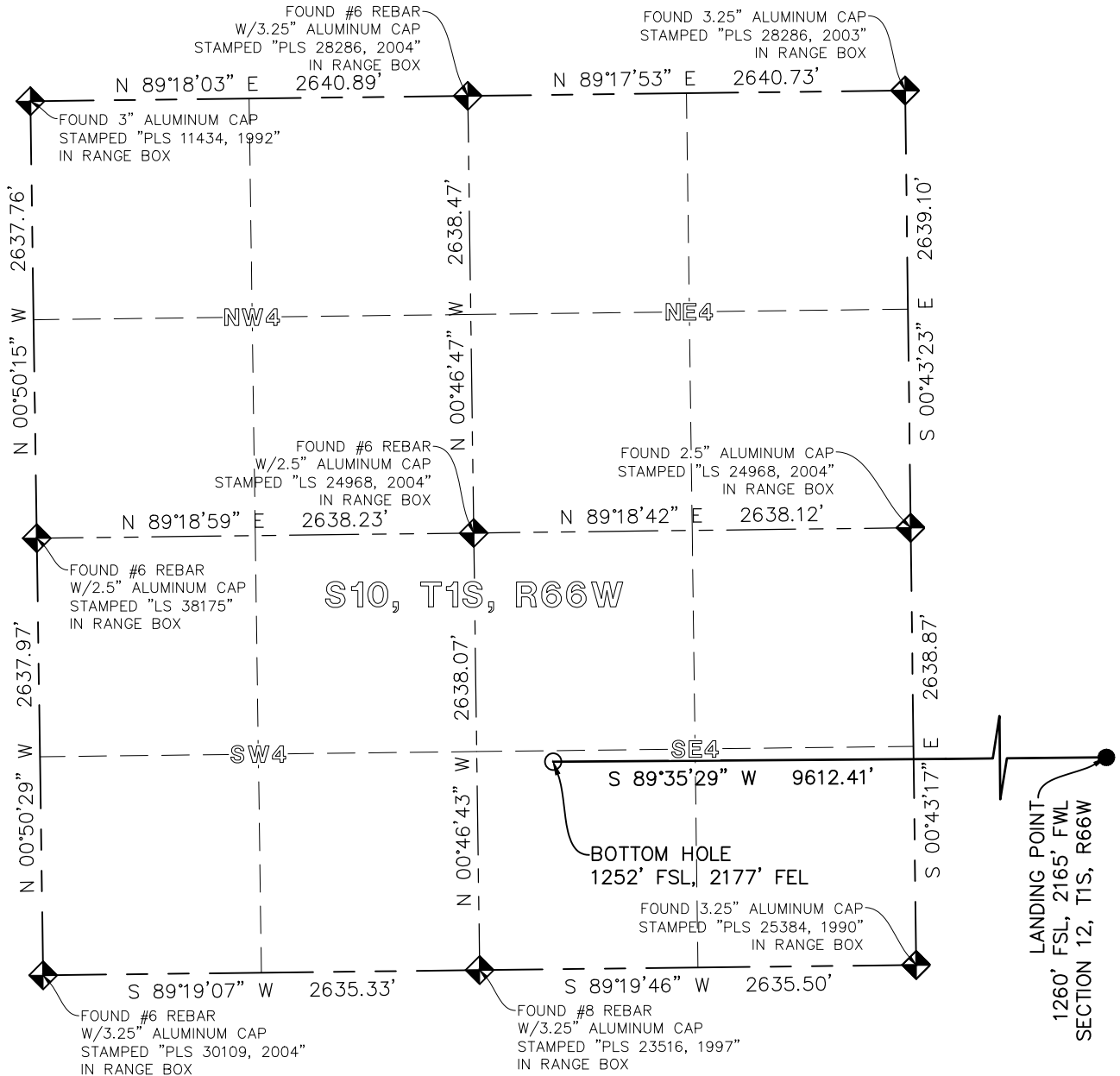
DUCK CLUB 12W-20-10N

SHEET 3 OF 3

LEGEND

-  = SECTION CORNER
-  = PROPOSED WELL
-  = LANDING POINT
-  = BOTTOM HOLE

0 500 1000
1 inch = 1000 ft.



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SURFACE LOCATION:

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PREPARED FOR:

