

JUNE 18, 2022

RECORD OF SURVEY CLIENT DESIGNATED PROPERTY BOUNDARIES,
 SITUATED IN THE SW 1/4 SECTION 20 AND NW 1/4 SECTION 29,
 T4N, R4W, W.M., COLUMBIA COUNTY, OREGON

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE RECORD BEARING FROM MONUMENT # 1419 TO MONUMENT # 1417 PER CCSR MAP B-193. THIS SAME BEARING BEING N00°17'48"W.

PURPOSE:

THE PURPOSE OF THIS SURVEY IS TO FLAG, PAINT, AND BLAZE CLIENT DESIGNATED PROPERTY BOUNDARIES TO FACILITATE TIMBERLAND MANAGEMENT INCLUDING TIMBER HARVEST AND ROAD CONSTRUCTION.

MONUMENT NOTES

MON # 1348 FOUND 5/8" REBAR WITH PYC STAMPED "KEENON LAND SERVICES INC", TOP FLUSH WITH THE SURFACE, ORIGIN CCSR MAP # 5441; N 4910.24, E 11006.07 (MON)

MON # 1395 FOUND 5/8" REBAR WITH PYC STAMPED "KEENON PLS 1080", TOP 0.2' BELOW THE SURFACE, ORIGIN CCSR MAP B-193, HELD AS PROPERTY CORNER; N 3791.76, E 10592.03 (MON)
NEW BTS AS FOLLOWS: S02°W 48.40' TO POWER POLE # "C74 3686222"; RED CEDAR WITH CHOPPED "X" N34°W 6.4'; SET WHITE 1/2" X 6' FIBERGLASS ROD 1' NORTH OF CAP.
LAT N45°48.313'; LONG W123°12.679' ACC 22'+/-; ELEV 1127'

MON # 1417 FOUND 3/4" PIPE WITH PYC STAMPED "KEENON PLS 1080", TOP 0.2' BELOW THE SURFACE, ORIGIN CCSR MAP # 3563, HELD AS PROPERTY CORNER; N 5261.19, E 10968.39 (MON)
I SCRIBED BTS AS FOLLOWS: 8" MAPLE S80°E 4.2' SCRIBED "X BT"; 12" DOUGLAS FIR N00°E 5.8' SCRIBED "PROP BT"; SET WHITE 1/2" X 6' FIBERGLASS ROD 1' NORTH OF CAP.
LAT N45°48.561'; LONG W123°12.590' ACC 24'+/-; ELEV 1050'

MON # 1419 FOUND 5/8" REBAR WITH PYC STAMPED "KEENON PLS 1080", TOP 0.1' ABOVE THE SURFACE, ORIGIN CCSR MAP # B-193, HELD AS POINT ON PROPERTY LINE; N 4969.78, E 10969.90 (MON)
I SCRIBED BTS AS FOLLOWS: 8" ALDER BARK SCRIBED "PROP BT" N42°W 1.7'; 5" DOUGLAS FIR N56°E 12.8' SCRIBED "X BT"; SET WHITE 1/2" X 6' FIBERGLASS ROD 1' NORTH OF CAP.
LAT N45°48.509'; LONG W123°12.585' ACC 21'+/-; ELEV 1067'

MON # 1421 FOUND 3/4" PIPE WITH PYC STAMPED "KEENON PLS 1080", TOP 0.3' BELOW THE SURFACE, ORIGIN CCSR MAP # 3563, HELD AS PROPERTY CORNER; N 5264.06, E 10564.47 (MON)
I FOUND BTS PER CCSR MAP 3563 AS FOLLOWS: 14" FIR N28°W 14.10' IS NOW A 6' TALL X 19" STUMP WITH YELLOW TAG N30°W 14.5' TO OVERGROWN FACE. THE 9" ALDER S82°E 15.32' IS A 18" ALDER S86°E 13.0' WITH A ROTTEN FACE.
I SCRIBED A BT AS FOLLOWS: 8" ALDER BARK SCRIBED "X BT" N18°E 12.5'.
LAT N45°48.562'; LONG W123°12.688' ACC 20'+/-; ELEV 1062'

MON # 1423 FOUND 3/4" PIPE NO CAP, TOP 0.9' ABOVE THE SURFACE, ORIGIN UNCERTAIN. TIED CCSR MAP # 3563, N81°51'23"E 21.1' FROM RESTORED ADJUSTED PROPERTY CORNER; N 4917.05, E 10587.09 (MON)

MON # 1425 SET 5/8" X 30" REBAR WITH POC STAMPED "MENDENHALL LS 2001" RESTORATION OF ADJUSTED PROPERTY CORNER CCSR MAP B-193; N 4914.06, E 10566.20 (MON)
I SCRIBED BTS AS FOLLOWS: 15" DOUGLAS FIR N86°W 7.5' SCRIBED "PROP BT"; 8" DOUGLAS FIR N32°E 2.9' SCRIBED "X BT"; SET WHITE 1/2" X 6' FIBERGLASS ROD 1' NORTH OF CAP.
LAT N45°48.502'; LONG W123°12.688' ACC 25'+/-; ELEV 1048'

MON # 1438 FOUND 1" PIPE, TOP 0.2' ABOVE THE SURFACE AT FENCE CORNER, HELD AS 1/4 CORNER BY REPUTATION, SEE CCSR MAP # 3563; N 4905.20, E 11923.79 (MON)

COORDINATES ARE LOCAL - ASSUMED

Symbol	Description
	FOUND 1" PIPE AT FENCE CORNER, HELD AS QUARTER CORNER
	FOUND 3/4" IRON PIPE NOTED ON CCSR MAP # 3563
	OTHER FOUND MONUMENT SEE MONUMENT NOTES
	SET 5/8" X 30" REBAR WITH PLASTIC ORANGE CAP STAMPED "MENDENHALL LS 2001"
	BREAK - NOT TO SCALE
	CALCULATED POSITION ONLY
	SECTION LINE
	FLAGGED, BLAZED, PAINTED PROPERTY LINE
	APPARENT CENTERLINE MCDONALD ROAD

NOTES:

BEARINGS TO BEARING TREES ARE BASED UPON HAND COMPASS BEARINGS WITH A VAR 17°EAST; DISTANCES TO NEW BTS WERE MEASURED TO A 1 1/2" BRASS DISC STAMPED "MENDENHALL LS 2001" NAILED AT THE BOTTOM OF THE SCRIBING IN THE FACE. (FOR NEW BEARING TREES ONLY). DISTANCES TO EXISTING BEARING TREES WERE MEASURED TO A RAILROAD SPIKE - OR THE FACE (SIDE OF BOLE) IF NO SPIKE IS VISIBLE. ALL NEW BEARING TREES WERE POSTED WITH A 5" X 7" YELLOW LOCATION TAG, FLAGGED, PAINTED, AND BLAZED PROPERTY LINES ARE BLAZED ON MANULIFE MANAGED SIDE OF THE PROPERTY LINES. TREES ON THE MANULIFE MANAGED TIMBERLANDS SIDE OF THE LINE ARE BLAZED BELOW STUMP HEIGHT. BLAZES ON BOTH SIDES OF LINE ARE PAINTED BRIGHT RED ORANGE. RED AND WHITE FLAGGING IS HUNG TOGETHER "ON LINE" WHERE TREES ARE WIDELY SPACED OR ARE NOT AVAILABLE TO PAINT. LINE TREES WERE MARKED WITH TWO CHOP MARKS ON EACH SIDE OF LINE TREES AT THE LOCATION WHERE THE LINE INTERSECTS THE BOLE.

WHITE 1/2" X 5' FIBERGLASS RODS WERE PLACED AT 100' TO 200' INTERVALS ALONG THE PROPERTY LINES AND FLAGGED WITH RED AND WHITE RIBBON. RODS WERE ALSO PLACED ADJACENT TO CORNERS (1' NORTH UNLESS NOTED OTHERWISE).

NARRATIVE:

I FOUND TIED AND HELD MONUMENTS # 1417, # 1419, # 1421, AND # 1395 SET ON CCSR MAP # 3563 AND # B-193 AS POINTS ON THE SUBJECT PROPERTY LINES. A CLOSED LOOP TRAVERSE WAS RUN AROUND THE PERIMETER OF PARCEL 1 AND 2 COMBINED OF INSTRUMENT # 2022-002094 CDDR. AN ADDITIONAL CLOSED LOOP TRAVERSE WAS RUN TO MONUMENT # 1438 FROM MONUMENT # 1419.
I RESTORED THE ADJUSTED PROPERTY CORNER (# 1425) BY DISTANCE - DISTANCE MEASUREMENT FROM MONUMENTS # 1423 AND # 1421 USING THE DIMENSIONS INDICATED ON CCSR MAP B-193.

REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
JULY 18, 1982
NEILA A. MENDENHALL JR.
2001

RENEWAL DATE: 12/31/22

SURVEY BY:
NEIL A. MENDENHALL JR., LS 2001
dba MENDENHALL & ASSOCIATES
PO BOX 2025
GEARHART, OREGON 97138
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SURVEY FOR:
C/O MANULIFE INVESTMENT MANAGEMENT
273 SR 4W
CATHLAMET, WA 98612
(208)-512-5309; (360) 795-3221

EQUIPMENT:
SOKKIA SET 530R
TOTAL STATION
CREW: NAM, DNM, ND-W

ACC = EXPECTED HORIZONTAL ACCURACY OF LATITUDE AND LONGITUDE
AS DETERMINED WITH A HAND HELD GPS RECEIVER (NOT SURVEY QUALITY)
CALC = CALCULATED
CCBT = COLUMBIA COUNTY BEARING TREE RECORDS
CDDR = COLUMBIA COUNTY DEED RECORDS
CZ = CROWN ZELLERBACH
CCSR = COLUMBIA COUNTY SURVEYOR'S RECORDS
HAND HELD = HAND HELD PORTABLE GPS RECEIVER
USED TO DETERMINE LATITUDE AND LONGITUDE
FOR CORNER SEARCH (NOT SURVEY QUALITY)
MON = MONUMENT
POL = POINT ON LINE
POC = PLASTIC ORANGE CAP
P PLAT = PARTITION PLAT
PYC = PLASTIC YELLOW CAP

OTHER REFERENCE SURVEYS
CCSR MAP # 2666
CCSR MAP # 3771
CCSR MAP # 5843
P PLAT 2014-7

NO () = MEASURED OR CALCULATED PER THIS SURVEY
() 2 = PER CCSR MAP # 3563
() 3 = PER CCSR MAP # B-193
() 4 = PER CCSR MAP # 5441