

RECORD OF SURVEY

A SURVEY OF LOTS 30, 31, 32, 33 AND 34 OF MOUNT HEBRON ADDITION LOCATED IN THE NORTH HALF OF THE SOUTHEAST QUARTER OF SECTION 1; TOWNSHIP 2 NORTH; RANGE 32 EAST; WILLAMETTE MERIDIAN; UMATILLA COUNTY; PENDLETON, OREGON

NARRATIVE:

THIS SURVEY WAS PERFORMED AT THE REQUEST OF ROWEN HAYES FOR THE PURPOSE OF LOCATING THE CORNERS OF THE THREE AND A HALF LOTS THAT HE OWNS, AND TIMOTHY GREAR WHO OWNS THE OTHER HALF OF LOT 33 AND LOT 34. IN THE COURSE OF THIS SURVEY WE SEARCHED AND TIED MANY FOUND MONUMENTS FROM THE ORIGINAL SUBDIVISION SURVEY, SURVEYS BY KRUMBEIN, AND WELLS. IT HAS BECOME VERY APPARENT THAT THERE ARE MANY ERRORS IN THE ORIGINAL SUBDIVISION PLAT THAT ARE NOT APPARENTLY CORRECTABLE WITHIN THE LIMITATIONS OF THIS PROJECT. THEREFORE WE ARE RESIGNED TO WEIGHING ALL FOUND MONUMENTS, AND RESORTING TO A BEST FIT BETWEEN THE COMBINATION THEREOF. IT MIGHT BE NOTED THAT THE EXTERIOR OF THE PLAT CLOSES REASONABLY WELL ON PAPER, BUT FOUND MONUMENTS VARY IN BEARING AND DISTANCE RANDOMLY ACROSS THE SUBDIVISION. I WAS UNABLE TO GET THE MOUNT HEBRON DRIVE RIGHT-OF-WAY TO CLOSE MATHEMATICALLY, AND WHAT I DID COME UP WITH DOES NOT FIT THE EXTERIOR LOT LINE CALLS ON THE PLAT BY VARYING AMOUNTS AND DIRECTIONS, TYPICALLY BY AS MUCH AS 1.5 TO 2 FEET.

I HELD A 1/2" IRON REBAR AT THE SOUTHWEST CORNER OF LOT 28, AND 1/2" IRON REBARS FOUND AT THE NORTHEAST CORNER AND SOUTHEAST CORNERS OF LOT 34, THAT I BELIEVE TO BE ORIGINAL, AS PRIMARY CONTROL FOR THIS SURVEY. THE NORTHERLY TWO OF THE MONUMENTS ARE WITHIN 0.10' OF RECORD ON THE PLAT, AND APPEAR TO NOT HAVE BEEN DISTURBED. THE SOUTHEAST OF LOT 34 FALLS IN LINE WITH WHAT I HAVE FOUND TO BE TRUE ACROSS THE SUBDIVISION OF BEING WITHIN 1.5 TO 2.0 FEET OF RECORD POSITION. I WOULD NOT TYPICALLY RESOLVE TO THREE CORNERS WHEN SO MANY ORIGINAL CORNERS HAVE BEEN FOUND AND TIED, BUT THE RANDOMNESS OF THE ERRORS LEAVES LITTLE TO HOLD AS A SINGULAR, REASONABLE RESOLUTION. I BELIEVE THE ONLY SOLUTION HAS TO BE MADE TO SPECIFIC LOCALIZED AREAS.

THIS SURVEY WAS PERFORMED WITH A SOKKIA SET 500 ELECTRONIC TOTAL STATION AND A SOKKIA GSR2700IS REAL TIME KINEMATIC GPS SYSTEM, WITH REDUNDANT CHECKS TO TIED CONTROL. BASIS OF BEARING IS FROM REDUNDANT GPS OBSERVATIONS AND APPLICATION OF USACE CORPSCON 6.0.1 SOFTWARE. THETA=14°19' CLOCKWISE, WHICH WAS NOT APPLIED ON THIS SURVEY, AND A COMBINED SCALE FACTOR=0.999878837 GROUND TO GRID WAS APPLIED. THIS WAS A DIFFICULT SURVEY AT BEST, AND I BELIEVE THAT THERE ARE A MYRIAD OF ACCEPTABLE SOLUTIONS SHORT OF RESOLVING THE WHOLE SUBDIVISION.

REGISTERED
PROFESSIONAL
LAND SURVEYOR
Robert Douglas English
JANUARY 11, 2005
ROBERT DOUGLAS ENGLISH
43406LS
RENEWAL DATE: 12/31/11

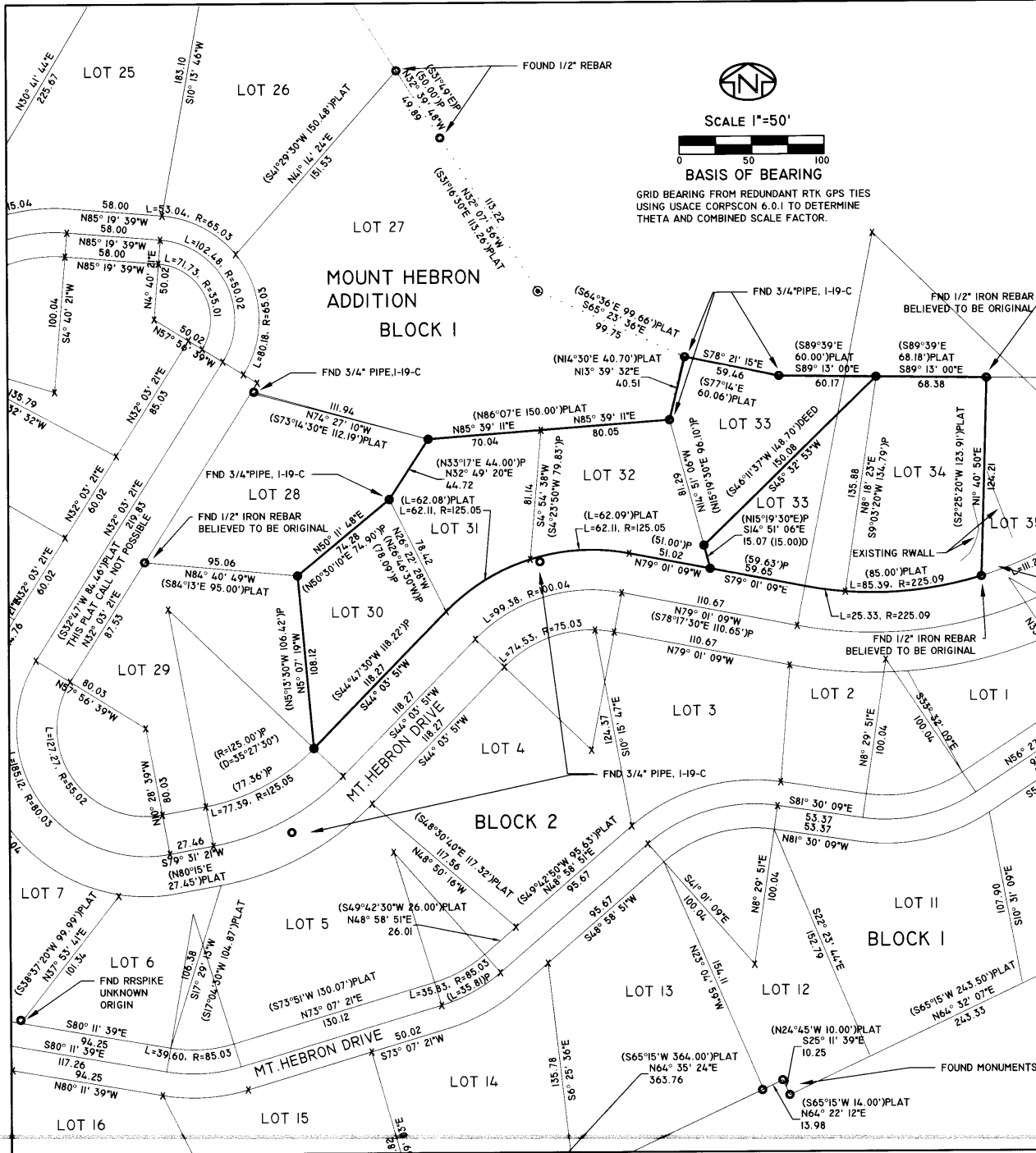
REFERENCES:

- MOUNT HEBRON ADDITION PLAT, 1954.
- COUNTY SURVEY NO. R-71-AX KRUMBEIN
- COUNTY SURVEY NO. 85-73-B WELLS
- COUNTY SURVEY NO. 97-142-B WELLS
- COUNTY SURVEY NO. 99-206-AX HADDOCK
- WARRANTY DEED, DOC. NO. 2003-4520699, UMATILLA COUNTY RECORDS, HAYES, NOV. 21, 2011.
- WARRANTY DEED, DOC. NO. 2011-5750588, UMATILLA COUNTY RECORDS, GREAR, FEB. 22, 2011.
- WARRANTY DEED, REEL 179, PAGE 031, UMATILLA COUNTY RECORDS, NUSS, MAY 3, 1989.
- WARRANTY DEED, DOC. NO. 2006-5120066, UMATILLA COUNTY RECORDS, MISHLER, DEC. 8, 2011.

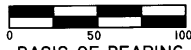
LEGEND:

- SET 3/4"X30" IRON REBAR WITH PLASTIC CAP MARKED ORPLS 43406
- FOUND MONUMENT AS NOTED
- ⊙ FOUND 5/8" IRON REBAR WITH 1/2" YELLOW PLASTIC CAP MARKED ORPLS 1106, WA PLS 17372 FROM SURVEY NO.S: 98-203-C.04-160-B, 05-109-B.
- x CALCULATED POSITION ONLY.
- EXISTING RETAINING WALL
- EXISTING GRAVEL DRIVEWAY
- EXISTING FENCE

DATE: 07/15/11	DWN. BY: JAE/RDE	BOUNDARY LINE ADJUSTMENT: ROWEN HAYES & TIMOTHY GREAR
SCALE: 1"=50'	CHK. BY: RDE	20 & 1/4 NE MT. HEBRON DRIVE PENDLETON, OREGON 97801
JOB NO. 2011-053	REV. DATE: 07/29/11	SURVEY ONE,LLC
DWG NO. DAILEY.DWG		P.O. BOX 382 PENDLETON OR, 97801 PH:541-276-2055 FAX:541-276-3480



SCALE 1"=50'



BASIS OF BEARING

GRID BEARING FROM REDUNDANT RTK GPS TIES USING USACE CORPSCON 6.0.1 TO DETERMINE THETA AND COMBINED SCALE FACTOR.

Umatilla County Surveyors
Date: 8-11
Drawn By: JAE
11-90-B