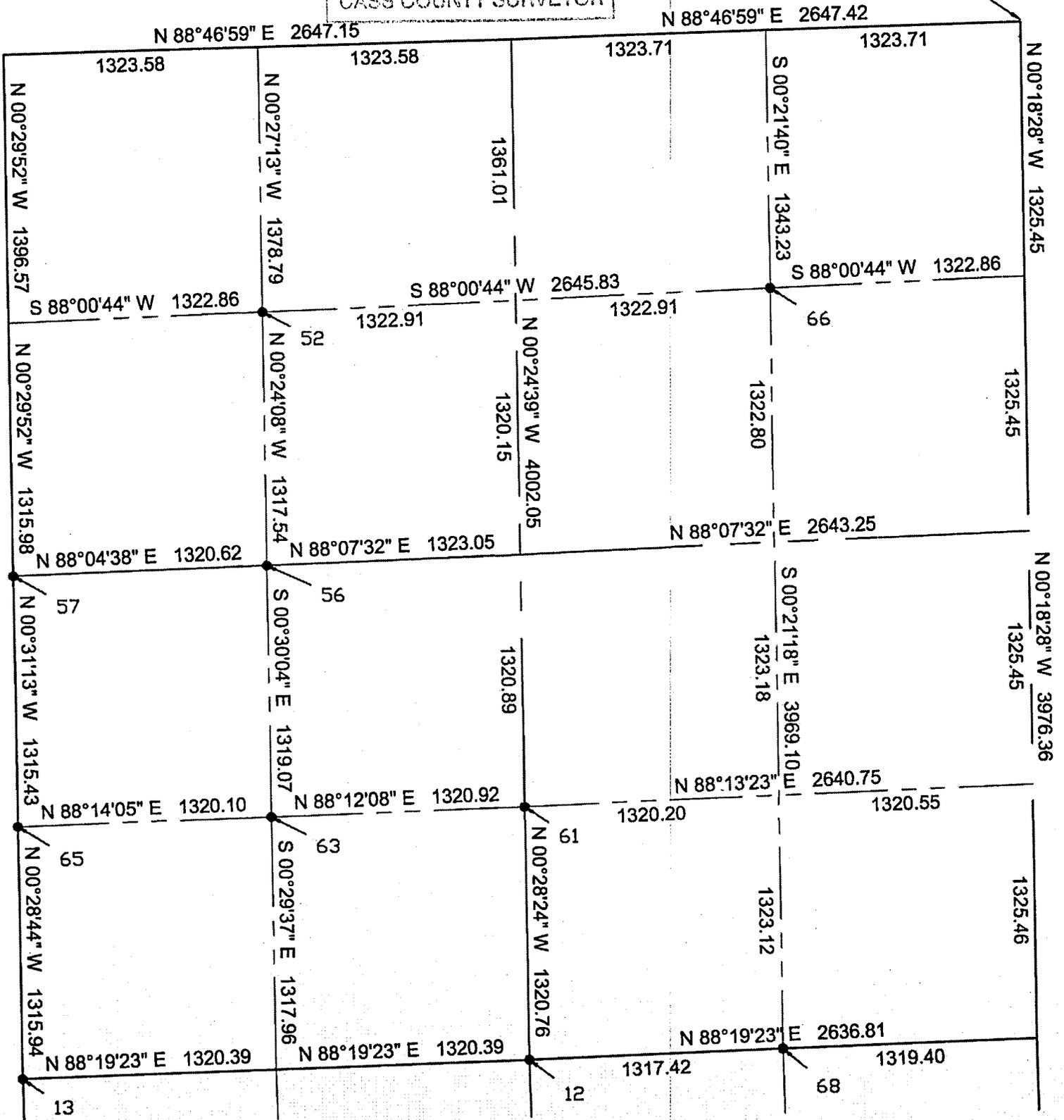


R E C E I V E D
 # 3786
 APR 26 2007
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 CASS COUNTY SURVEYOR

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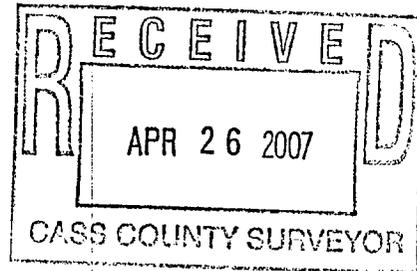


Bob Kovanen

From: Cindy Hidde [chidde@landecker.com]
Sent: Thursday, April 26, 2007 10:23 AM
To: 'Bob Kovanen'
Subject: Section 1 Bungo Township



section 1.pdf (241 KB)



Bob,

I have attached my solution for section 1. We have agreed that the NW corner of Section 1 should be a calculated position based on the section plat Curo recorded in 1915.

I need your input on the NE corner of section 1. We found the Mag nail that was tied out by your office in Aug. of 2000. In computing the section based on the section plat we are short of the mag nail by 11.57 feet. The bearing from the computed position that you will see on the attached map to the found mag nail is North 16 degrees 37 minutes 01 seconds West.

Please review my surveyors report and let me know what your thoughts are on the NE corner.

Thanks,

Cynthia M. Hidde

Professional Land Surveyor
Landecker & Associates
PO Box 120
Pequot Lakes, MN 56472
888-866-4940 phone
218-568-5404 fax
chidde@landecker.com

Surveyors Report of Section 1 T137N R31W

Curo first set all the exterior 1/16 corners, starting on the East line then the North line. The West and South lines were done together when he established the SW corner of Section 1. Then he did the interior lines starting with the North-South lines on the East side and working West. Then he did the East-West lines starting on the South and working North.

- 1) Held all found 2" monuments as their location (W ¼ corner#57, SW corner#13, S ¼ corner#12, E 1/16 corner on South side#68, South 1/16 corner on West side#65, along with 5 interior 1/16 corners - see attached map)
- 2) SE corner of Section 1: Held a straight line between the SW corner (#13) and S1/4 corner (#12). Pushed through found East 1/16 corner South side (#68). Computed a distance proportionately between existing monumentation and established the SE corner 1319.40 feet on said line.
- 3) West 1/16 corner on South side: Split the distance between the SW corner and S ¼ corner.
- 4) North 1/16 corner on East side: Held the East-West 1/16 line North side(#52 and #66) Computed a distance proportionately between existing monumentation and established the North 1/16 corner on East side 1322.86 feet on said line.
- 5) East line of Section 1: A line between the SE corner and North 1/16 corner on East side. Computed a distance proportionately to place the E1/4 corner and the South 1/16 corner East side.
- 6) NE corner of Section 1: Continued pushing East line as stated above and computed a distance proportionately of 1325.45 feet along said line to establish the corner.
- 7) North 1/16 corner on West side: Held the East-West 1/16 line North side(#52 and #66) Computed a distance proportionately between existing monumentation and established the North 1/16 corner West side 1322.86 feet on said line.
- 8) West line of Section 1: A line between found location of the SW corner (#13) and the South 1/16 West side (#65) and the found W1/4 corner (#57) and the established North 1/16 corner West side.
- 9) NW corner of Section 1: Continued pushing the West line as stated above and computed a distance proportionately between existing monumentation of 1396.57 feet along said line and established the corner.
- 10) North line of Section 1: Straight line between the NW corner and NE Corner.
- 11) North-South Quarter line and N ¼ corner: A line between found location of the S ¼ corner(#12) and found monument (#61). Pushed a line through a midpoint between interior found monuments (#52) and (#66) and extended to the North line of Section 1 to establish said N ¼ corner.

- 12) North-South 1/16 line East side: Held the East 1/16 corner on South side(#68). Pushed a line to found monument (#66) then continued North holding a split between the North ¼ corner and NE corner.
- 13) North-South 1/16 line West side: A line between established West 1/16 corner South side to found monument (#63) to found monument (#56) to found monument (#52) then to a split between the NW corner and N ¼ corner.
- 14) East-West 1/16 line South side: A line between established South 1/16 corner on East side and found Monument (#61) to found monument (#63) then to the South 1/16 corner on West side (#65).
- 15) East-West Quarter line: A line between established E ¼ corner and found monument (#56) then to the West ¼ corner (#57).
- 16) East-West 1/16 line North side: Previously established to establish NE and NW corners of Section 1(see items 4 and 7).