

— of the —
Survey of the Reservation Addition to the Town-site

— of —
Pendleton, Oregon.

To the Hon. J. C. Tolman,
 Surveyor General of Oregon.

Dear Sir:

In pursuance of my contract to survey the Reservation Addition to the Town-site of Pendleton, Umatilla County, Oregon, I beg leave to report, that I began the field work on the 19th day of May, 1883, and completed it on the 31st of August 1883.

The following persons were duly sworn in to perform the duties of Assistants, their affidavits are here-with transmitted:

C. B. Wade Chairman
 J. A. Glocum "
 C. R. Henderson, Arman

Additional help, and necessary changes caused the following persons to be added, after being duly sworn as Assistants:

R. W. Pichard, Transitman
 W. F. Rayburn, Chairman
 W. L. Blaglow, "
 A. J. Black Arman

The instruments procured with which to do the work was a Young's Transit No. 7, as described on page 50 of Young's Manual, a Chesterman Steel Tape and Steel-pointed Sight Poles.

After examining and putting my instruments in adjustment, I proceeded to find the established monuments in the streets of the present Town-site of Pendleton, located on the center lines of Main and Court Streets, Main and Alta Streets, Court and College Streets, and College and Alta Streets.

I next measured the distance from the monument on Main and Court Streets along the center line of Court Street to the monument on Court and College Streets with the steel tape and found the distance to be 1050 feet, the distance recorded on the official plat.

on Main and Court Streets to that on Main and Alta Streets, also the distance from the monument on Court and College Streets, to that on College and Alta Streets, and found the distance in each case to be 410 feet, the same as the recorded distances.

From the exact agreement of these measurements with the recorded distances, I concluded the steel tape measure a proper one to use in making like measurements on the survey of the Reserve Addition.

Desirous however of using a twenty foot pole with level attached instead of the steel tape, I had one framed and shod with well squared steel plates at the ends.

In order to test the correctness of the pole the same measurements before described were made between the monuments on Court and Alta Streets, which showed an exact agreement with the steel tape.

With this pole all base lines and all distances where great exactness was required were measured instead of the tape.

I next measured the angles formed by the center lines of Court Street and the center lines of Main and College Streets and found them to be right angles.

I next proceed to extend the center line of Court Street in a South Easterly direction as fixed by the monuments before described by measuring 410 feet from the monument on Main and Alta Streets and driving a stake 2 1/2 inches square and a foot long even with the surface of the ground, in the top of which a tack was driven in the true line and exactly 410 feet from the monument in Main and Alta Streets. I likewise extend the center line of College Street in a South Easterly course 410 ft from the monument on College and Alta Streets and established a point by driving a stake 2 1/2 inches square even with the surface of the ground and fixing the exact distance and direction by a tack in top of stake.

The driving of such stakes as before described with tacks on them was the mode adopted in establishing all points on base lines or wherever required for future use and are designated as points in these notes when so established.

The two points thus established determined the location of my base line in Webb Street in conformity with the instructions.

Having ascertained by previous examination that my base line parallel with the Reserve line through the Town of Pendleton would cross the street lines lying East and West making a small angle with them and being desirous of having my base line parallel with the