

2622



Treasury Department,
U. S. COAST AND GEODETIC SURVEY.

O. H. Tixmann

Superintendent.

State: *W. Va.*

U. S. C. & G. SURVEY,
LIBRARY AND ARCHIVES.

MAY 28 1903

Acc. No. *2622*

DESCRIPTIVE REPORT.

Topographic Sheet No. *2622*

LOCALITY:

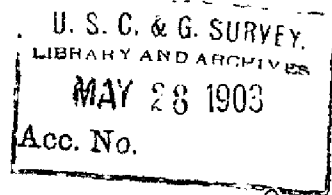
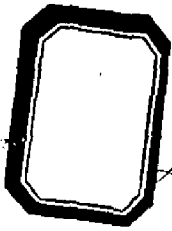
*Grounds of the Dept
of Agriculture*

190 *3*

CHIEF OF PARTY:

O. W. Ferguson

2622



To Mr. O. H. Pittmann,

Soft Coal & Geodetic Survey

Descriptive Report -

to accompany Chart of Topographic Survey of the Southern Portion of the grounds of the Department of Agriculture, Washington, D. C.

This Survey and Chart was made pursuant to your instruction of March 21st, 1903 and in accordance with the request of Mr. J. H. Taylor, Supervising Architect, letter of March 20th, 1903.

My instructions to proceed with the survey also the letter from Supervising Architect are both fastened in the book of records containing the notes of the survey.

The ground surveyed lies between 12th and 14th Streets W. and from B. Street S. northward about 500 feet, covering all of that portion upon which buildings were erected also the arrangement of walks and drives farther to the north.

The ground was so thoroughly covered with trees hedges walks drives and buildings that a closed quadrilateral base was laid out upon the ground and marked every 50

feet - by either staker or (+) crosser cut-into-the-walks, then, from these points, wherever possible ~~and~~ wherever desirable right angle lines were run through the grounds in both-northward and southward, eastward and westward direction, the topographical points or corners of structures being tied onto these by distances and right-angle offsets.

The B street bar is perfectly parallel with the center of B Street, as given from both north- and south-curbs measured in several places.

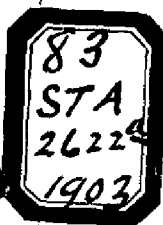
This bar lies 31 feet north from the center of B. Street and 14 feet south from the B Street property line. This East- & west-B Street property-line is called, upon the Chart, and in the notes "A", a parallel line 50 feet north of it is called "a" and the line 100 feet north of A is called "B", 150 "C" etc.

The parallel bar upon the northward, lies at $E+16$ or $415+14=429$ feet from B Street bar.

The 14 Street bar, where it intersects line A coincides with the western property limits of these grounds and at $E+15$ it varies from this property line only 0.35 of a foot - (see map), these bar lines, of course, being at perfect right angles. The zero of bar on B Street lies in bar on 14th Street. The lines parallel with this 14th Street bar,

2622a

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Treasury Department,
U. S. COAST AND GEODETIC SURVEY.

O. H. Tittmann

Superintendent.

State: *D. C.*

DESCRIPTIVE REPORT.

Topographic Sheet No. *2622a*

LOCALITY:

*Grounds of the Dept.
of Agriculture, from
main building to
B St. North*

1903

CHIEF OF PARTY:

Hugh E. Mitchell

2622a

To Mr. F. W. Perkins,
Acting Superintendent, Coast and Geodetic Survey.

*Descriptive Report. Survey of the northern part
of the Grounds of the Department of Agriculture.*

The survey and map were made pursuant to your instructions and in accordance with the request contained in a letter of Aug. 15th. signed by the Hon. the Secretary of Agriculture.

The survey was a continuation of the survey made in March by Asst. O. W. Ferguson of the northern part of the grounds, and extends from the main building to B St. North, and from 12th to 14th Sts. West.

Mr. Ferguson laid out a south base along B St. South, and east and west bases along 12th and 14th Sts. respectively, at right angles to the south base. These bases were recovered, and the east and west bases prolonged to B St. North. His plan of locating points every 50 ft. along these bases and running in side lines at right angles to the bases with points at 50 ft. intervals was employed, and his system in naming these points continued.

Along 12th and 13th Sts. and wherever the regular points fell on stone or asphaltum pavements, crosses were cut; at the other points stakes were driven in the ground.

Topography was taken by intersections and offsets from the coordinate lines, and in one case by reading stadia. The benchmark known as B. M. 86 having an elevation of 36.550 ft. above the datum plane of the U. S. C. & G. S. topographic survey of the District of Columbia, a notch "in top surface of foundation stone of the lamp post in the east skiuister to stone steps at north entrance" to the main building, was used as the reference bench mark, and a closed circuit of auxiliary bench marks scattered over the grounds was run in. From these the elevation of the ground at each 50 ft. point, so far as practicable, was determined.

Respectfully,

Frank H. Sewall,
Aid, C. and G. Survey.