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

O. H. Tittman
Superintendent.

State: ______

DESCRIPTIVE REPORT.

Topographic Sheet No. XXX

LOCALITY:

Shoals of the Dept
of Agriculture

1903

CHIEF OF PARTY:

O. W. Ferguson
To Mr. O. H. Pettitson,

Surf Coast 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. K. Towner, Supervising Architect, Letter of March 20th, 1903.

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

The grounds surveyed lies between 12th and 14th Streets W. and from B. Stret S. North, wards about 500 feet, covering all of that portion upon which buildings were erected also the arrangement of walks and drives further to the North.

The grounds was so thoroughly covered with trees beside walks driven and buildings that a double quadrilateral base was laid out upon the ground and marked every 50
feet; by either plater or (+) corner cut into the walks, then from their points, wherever feasible 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 their leg distances and right-angle offsets.

The B street lane is perfectly parallel with the center of B street, as given from both north- and south-curbs measured in several places. This lane lies 31 feet north from the center of B street and 14 feet south from the B street property line. The east-end of B street property lane is called upon the chart, and in the note "A", a parallel line 50 feet north of it is called "B" and the line 100 feet north of A is called "B", 150 "V" etc.

The parallel lane upon the northward lies at E + 16 or 418 + 14 = 432 feet from B street lane.

The 14 street lane, when it intersects lane A, coincides with the western property limit of the ground and at E + 115 it comes from the property line only 35 feet (2 feet), this lane line, of course, being at perfect right angle. The zero of lane on B street lies in lane on 14th street. The lines parallel with this 14th street lane,
and, of course, with 1/12 the said base are numbered successively towards the east, 
- + 50", 1", 1 + 50", 2", 2 + 50" etc. etc. Wherein the said squares a small guide.
either a plate was driven bearing the number giving its position or, B. otherwise a con
was cut here, in the work or asphaltum.
There was found a large extent of asphaltum
ed surface and every many bar, house and 
appurtenances, everything was accurately located
and the usual topographical symbols used.
The scale of map is 50 feet to an inch,
as requested by the Supervising Architect.
The elevations are given from the new
in burnished, and refer to U.S.C & G.
Survey Datum of the District of Columbia,
as derived from the old B. M. of recor
at base of Camp Fort at the foot of shelf, east
side, of northern entrance to main building.
Eleven such bench marks were located on
different parts of this ground as described
in my report, also in the notes.

Respectfully,

O. W. Ferguson

Assistant

C. & G. Survey.
Treasury Department,
U. S. Coast and Geodetic Survey.

O. H. Tittmann
Superintendent.

State: D. C.

Descriptive Report.
Topographic Sheet No. 2622*

Locality:
Grounds of the Dept.

of Agriculture, from
Main Building to

B St. North

1903

Chief of Party:
Hugh C. Mitchell
To Mr. J. W. Perkins,
Acting Superintendent, Esmt. and Geodetic Survey.

Descrip'ive 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 Capt. 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 asphalt pavement, 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 36.530 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 sluiter 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,

Chief, G. and G. Survey.