

83  
STA  
3444

3444

C. & G. SURVEY,  
LIBRARY AND ARCHIVES  
AUG 24 1914  
Acc. No. \_\_\_\_\_

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

*Osttman*  
Superintendent.

State: *Del.*

DESCRIPTIVE REPORT.

*Trp. C* Sheet No. *3444*

LOCALITY:

*1914*

CHIEF OF PARTY:

*C. L. Garner*

11-4645

3444

## DESCRIPTIVE REPORT

To accompany

Topographic sheet at Bureau of Standards, D. C.

### Extent.

This sheet includes all area within the property lines at the Bureau of Standards, District of Columbia.

### Purpose and method of Survey etc.

Since the year 1907 when the original topographic survey was made there have been many addition to the number of buildings besides considerable change in the earth due to the buildings. A thorough revision of this area was the object of the survey.

The same plan of work as used by Assistant Ferguson was held to. The co-ordinates are squares of 100 feet which are 2-1/2 inches apart on this sheet with a scale of 1 to 480.

There were <sup>only</sup> two of the stakes found which were placed by Assistant Ferguson to mark these co-ordinates and <sup>no stakes replaced on new ones</sup> ~~these were not~~ placed in this survey because they really seem unnecessary. It seems that they are not necessary from the fact that to be of value they would have to be referred to for distances or elevations and it is quite certain that marks no more permanent than these would not be used in either case. This is especially true after a lapse of a few weeks from the time that they were set. A small number of the co-ordinates were marked but they were for the purpose of temporary bench marks only and have no brass plates as formerly.

The elevations <sup>on</sup> of all buildings and other permanent marks were determined by levels which were checked and these can be used for control of other elevations in the vicinity. The elevation used as the initial was the mean of the elevations determined from Assistant Ferguson's elevations of the floors

of the Physical Laboratory, the Mechanical Laboratory, centre of walk between the Mechanical and Physical Laboratories, and centre of cement walk in front of Mechanical Laboratory.

Having determined a series of elevations both on the buildings and other marks the remainder of the detail work was filled in with the plane table using stadia and level rods. It was found that the work was facilitated in this way.

Respectfully submitted,

*Clem L. Garner*

Assistant, Coast and Geodetic Survey.

Statistics:

Locality ----- Bureau of Standards  
Scale ----- 1 to 480  
Dates of Survey ----- June 19 to July 3, 1914.  
Area in square Statute miles----- 0.01  
Statute miles of roads ----- 0.5