

Operations to determine the relative location of monuments on 21st St.

Traced on point 0.12 East of hole in monument corner 21st St & Washington to monument No. 48 on Phoenix Mill - Turned 90° - as follows -

On turning separate 90° (90° to 180°) find I miss my first point too much for the method - so turn angle around with quadrant beginning at 90°. With result as follows -

0.12
1.12
2.12

On a point that monument is to maintain

Readings to locate Center (37) of 21st Street - at right angles to New line of Washington - that is - line between County Monuments Nos 44 & 48 - Method - turned four quadrants on each - traced at New point Cor 21st & Washington took Mean of points obtained at Monument on Wall Ave. & 21st and averaged them with Mean of four other points obtained in same way - Results below -

Assumed a point approximately

90°

Point in 1 st quadrant -	1 1/2"	South	
" 2 ^d "	1 1/2 "	"	
" 3 ^d "	5 "	"	20 3/4
" 4 th "	12 3/4 "	"	5 3/16
Mean			
Point in 1 st "	7 3/4 "	"	
" 2 ^d "	8 1/2 "	"	
" 3 ^d "	7 "	"	26 3/4
" 4 th "	3 3/4 "	"	
Mean			
			6 11/16
			2) 11 14/16
			5 15/16

Mean of 8 readings - which above mean point is 6 5/8 inches South of hole in monument Cor Wall and 21st (OVERT)