

Station level concluded

O'Connor Reservoir Lot. Aug. 40

R. P. STUDLEY & Co., Manufacturing

Stationers, St. Louis, Mo.

See page 112

STATION.

ALIGNMENT.

DEFLECTION.

REMARKS.

TOPOGRAPHY.

Sta 1463.

Manhole No 1, in alley at $2\frac{1}{2}$ ' N of fence on
 S side alley and at $1\frac{1}{2}$ ' S of N fence alley
 $NE \angle 1 SF$ adj to $2 SF = 50'$ of $N 28\frac{1}{2}'$
 $SE \angle 1\frac{1}{2} SF$ W of $N = 38\frac{1}{2}'$
 Cent Lawrence St $W = 96\frac{1}{2}'$

Manhole No 2 at Sta 2716 at 4' W of W rail switch
 at 9' N of apparent $\frac{1}{2}$ of alley and at $2\frac{1}{2}$ ' E of fence
 E.E. line Lot No

O'Connor Res. Levels

Top Water in

Surface of Water in Reservoir

50.00

$92' = 7^{\circ} 12'$ $134' = 10^{\circ} 30'$ $149' = 11^{\circ} 40'$

a to b = $533\frac{1}{2}$ W. = a to c = 250.1 a to c = 32.5

d to g = 40 c to d = 50 c to g = 90 g to h = 90

Bef. ang = $\angle g i = 27^{\circ} 37'$ ang $\angle g h = 152^{\circ} 23'$

arc = 176.4 Radius = 365.9 $1^{\circ} = 6.39$ feet

Deflection for 1 foot = $0^{\circ} 27' 40.6''$ Def for 10 ft = $47^{\circ} 50' 43.55''$

" 40' = $3^{\circ} 8'$ 80' = $6^{\circ} 16'$ 120' = $9^{\circ} 24'$

" 160' = $12^{\circ} 32'$ 177.1 = $13^{\circ} 49'$ 50' = $5^{\circ} 55'$

Inside 16' alley $R = 350$, arc = 168.7 Deflec $10' = 49'$ min

(50)
 INDEXED ON MAP

