新地名　　町　丁目

昭和26年　1月25日

課　長	係　長	測量士	係

93　94　95

72　73　74

49　66　67

50ᴹ　36ᴹ　11ᴹ　36ᴹ　8

杭32　ロット14

測量士	測量士	測量士	測量士
トラバー	面積計算	杭打設	測距

松　塩　堀

11M

36M　8M

72B

トラバー精度 1/13000

$\Delta eC\ 2°02' = 1.0006 \times 25.00 = 25.02$
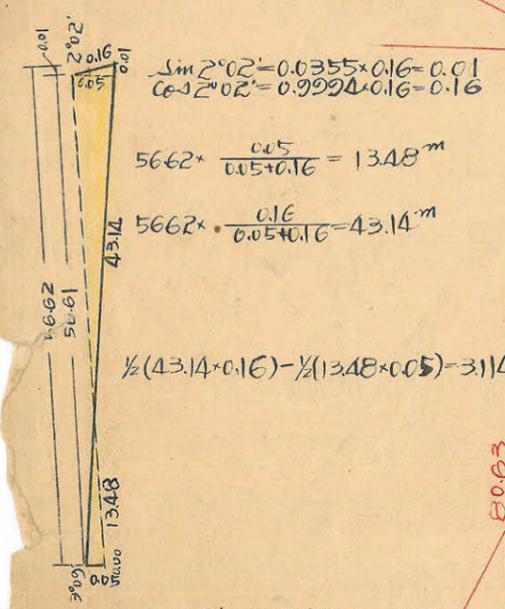$\tan 2°02' = 0.0355 \times 5.50 = 0.20$
24.82^m

$\Delta eC\ 1°56' = 1.0006 \times 4.00 = 4.00$
$\tan 1°56' = 0.0338 \times 5.50 = 0.19$
3.81^m

$\Delta eC\ 2°02' = 1.0006 \times 5.50 = 5.50$
$\tan 2°02' = 0.0355 \times 25.00 = 0.89$
4.61^m

No.139 $x = 3182.242$
$y = -102.336$
$92°01'49''$

117.94

No.138 $x = 3286.322$
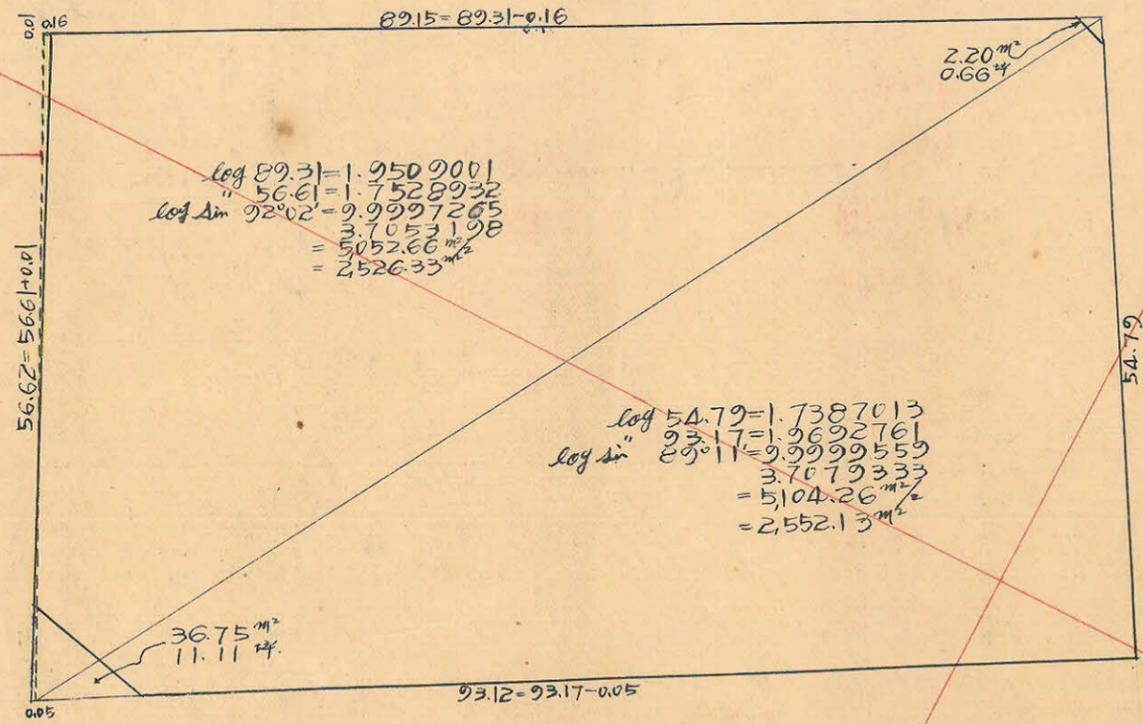$y = 46.873$
$91°56'23''$

$\Delta eC\ 1°56' = 1.0006 \times 5.50 = 5.50$
$\tan 1°56' = 0.0338 \times 4.00 = 0.14$
5.36^m

$\sin 2°02' = 0.0355 \times 0.16 = 0.01$
$\cos 2°02' = 0.9994 \times 0.16 = 0.16$

$56.62 \times \dfrac{0.05}{0.05 + 0.16} = 13.48^m$

$56.62 \times \dfrac{0.16}{0.05 + 0.16} = 43.14^m$

$\tfrac{1}{2}(43.14 \times 0.16) - \tfrac{1}{2}(13.48 \times 0.05) = 3.114^{m^2}$

$89.15 = 89.31 - 0.16$

2.20^{m^2}
$0.66^{坪}$

$\log 89.31 = 1.950\,9001$
$''\ 56.61 = 1.752\,8932$
$\log \sin\ 92°02' = 9.999\,7265$
$= 3.703\,198$
$= 5052.66^{m^2}$
$= 2526.33^{m^2}$

$\log 54.79 = 1.738\,7013$
$''\ 93.17 = 1.969\,2761$
$\log \sin\ 89°11' = 9.999\,9555$
$= 3.707\,9333$
$= 5104.26^{m^2}$
$= 2552.13^{m^2}$

25.M

36.75^{m^2}
$11.11^{坪}$

$93.12 = 93.17 - 0.05$

$\Delta eC\ 0°49' = 1.0001 \times 18.00 = 18.00$
$\tan 0°49' = 0.0143 \times 4.00 = 0.06$
18.06^m

$\sin 3°09' = 0.0550 \times 0.05 = 0.00$
$\cos 3°09' = 0.9985 \times 0.05 = 0.05$

$89°10'39''$

No.147 $x = 3325.420$
$y = 114.614$

$\Delta eC\ 3°09' = 1.0015 \times 18.00 = 18.03$
$\tan 3°09' = 0.0550 \times 25.00 = 1.38$
19.41^m

$86°51'09''$

No.149 $x = 3217.614$
$y = 174.790$

123.46
122.07

$\Delta eC\ 0°49' = 1.0001 \times 4.00 = 4.00$
$\tan 0°49' = 0.0143 \times 18.00 = 0.26$
4.26^m

No.148 $x = 3324.202$
$y = 115.294$

$\Delta eC\ 3°09' = 1.0015 \times 25.00 = 25.04$
$\tan 3°09' = 0.0550 \times 18.00 = 0.99$
26.03^m

合計面積　$2,526.330^{m^2} + 2552.130^{m^2} - 3.114^{m^2} = 5,075.35^{m^2} (\times 0.3025 = 1,535.29坪) = 1,535.23坪$
　控除　　$2.20'' + 36.75'' = 38.95'' ('' = 11.78'') = 11.77''$
　ブロック　　$5,036.40'' ('' = 1,523.51'') = 1,523.46''$
　割込　　$5,036.40'' = '' = 1,523.46''$