課長　係長　測量士　係

広　大

25M

295　324　294　293

299　326　325　27　289　290

300　301　302　288　296

R = 312.60ᵐ
24.60

$$\theta = \frac{360 \times 24.60}{2 \times 312.60 \times 3.1416} = 4.51031 = 4°30'-37''$$

$$\sin 2°54'18''(0.039347) \times 312.60 = 12.296ᵐ$$

$$\cos '' \quad (0.9992266) \times 312.60 = 312.268ᵐ$$

$$\frac{312.50^2 \times 3.1416 \times 4.51031}{360} = 3.043.747ᵐ^2$$

$$12.296 \times 312.268 = 3.039.524ᵐ^2$$

面積 = 3043.747ᵐ² - 3039.524ᵐ² = 4.223ᵐ²

R = 312.60ᵐ
27.26
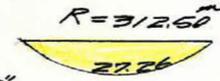
$$\theta = \frac{360 \times 27.26}{2 \times 312.50 \times 3.1416} = 4.99201 = 4°59'-53''$$

$$\sin 2°29'-56''(0.0436) \times 312.50 = 13.625ᵐ$$

$$\cos '' \quad (0.9990890) \times 312.50 = 312.203ᵐ$$

$$\frac{312.50^2 \times 3.1416 \times 4.99801}{360} = 4.259.372ᵐ^2$$

$$13.625 \times 312.203 = 4.253.766ᵐ^2$$

面積 = 4.259.372ᵐ² - 4.263.766ᵐ² = 5.606ᵐ²

25m

24.60　27.26

22.33　17.38　14.15

鴨池町　鴨池町　鴨池町
四〇七ノ一　五四ノ二　五〇四ノ一

25.30　5.07　14.90　12.60

12.95　18.97　鴨池町　鴨池町　鴨池町
　　　四〇七ノ一ノ二　五〇四ノ一　五〇四ノ一
23.65　23.11

25.80　14.99　13.09

6m　6m　4m

17.20　15.30　12.70
34.85　16.60　32.75
10.60　32.90　15.75　5.90　11.13
　　　14.80　22.50　26.77
12.35　11.12

2.10

ロット 5　杭 14本
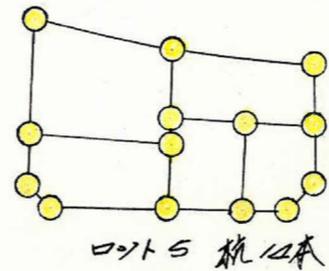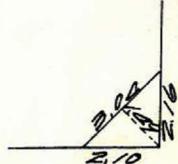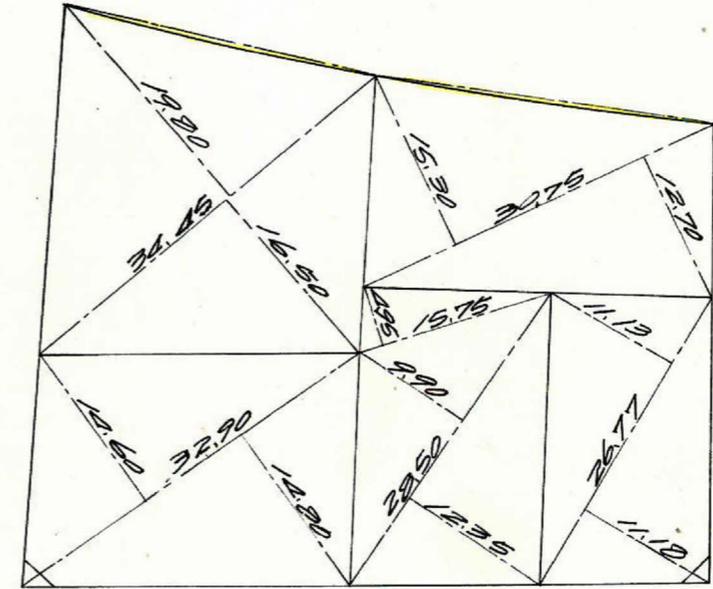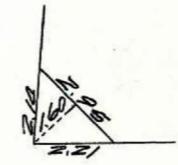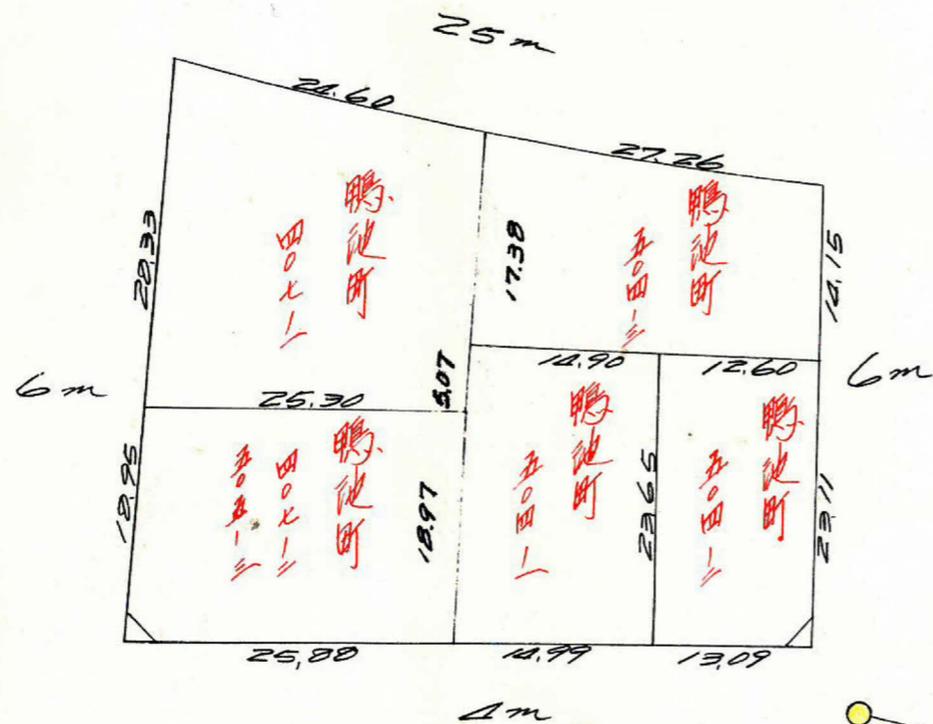
この図面等は、土地区画整理事業に関する参考資料として提供しています。
○図面等は換地処分時のものであり、現在の状況とは異なる場合があります。
○図面等によって、境界等が確定されるものではありません。

管　3040　B4上135K（2.000）40,6（南日本紙）
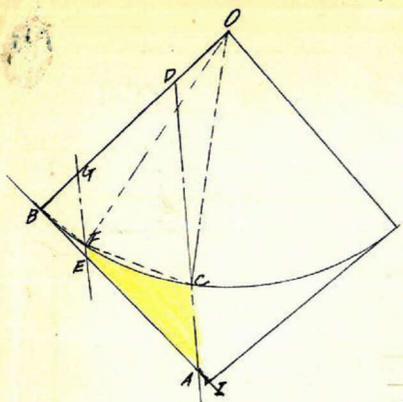
$IA = 23°-42'-13''$
$R = 312.50^m$
$TL = 65.58^m$
$CL = 129.23^m$
$SL = 6.81^m$

$AB = 66.50 - 0.73 = 64.95^m$
$\angle BAD = 73°-18'-46''$
$BD = \tan 73°-18'-46'' (3.3358769) \times 64.95 = 216.33^m$
$AD = \sec 73°-18'-46'' (3.4825396) \times 64.95 = 225.04^m$
$DO = 312.50 - 216.33 = 96.17^m$

$\angle APB = (180°-00'-00'') - (90°-00'-00'') - (73°-18'-46'') = 16°-41'-14''$
$\angle CDO = (180°-00'-00'') - (16°-41'-14'') = 163°-18'-46''$
$\sin \angle DCO = \dfrac{96.17 \times \sin 163°-18'-46'' (0.2870468)}{312.50} = 0.0883677$
$\angle DCO = 5°-04'-11''$
$\angle DOC = (180°-00'-00'') - (163°-18'-46'') - (5°-04'-11'') = 11°-37'-03''$
$DC = \sqrt{312.50^2 + 96.17^2 - 2 \times 312.50 \times 96.17 \times \cos 11°-37'-03'' (0.9795130)} = 219.16^m$
$CA = 225.04^m - 219.16^m = 6.68^m$
$BC = \{\frac{1}{2} \sin 11°-37'-03'' (0.2012002) \times 312.50\} \times 2 = 63.26^m$
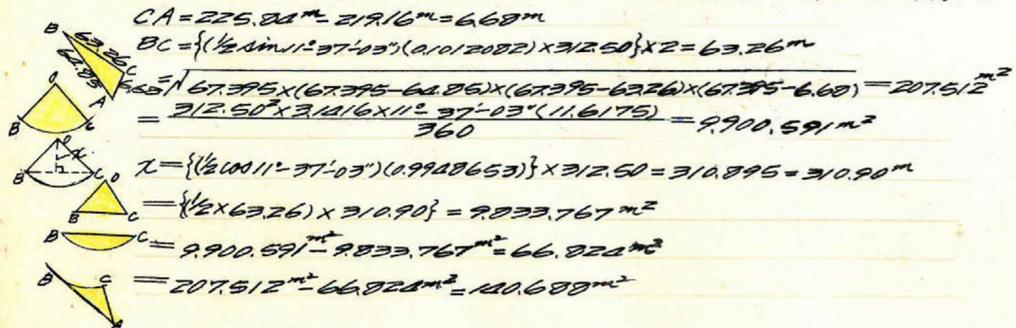
$= \sqrt{67.395 \times (67.395-64.95) \times (67.395-63.26) \times (67.395-6.60)} = 207.512$

$= \dfrac{312.50 \times 3.1416 \times 11°-37'-03'' (11.6175)}{360} = 9,900.591^m$

$x = \{(\frac{1}{2} \cos 11°-37'-03'' (0.9948653)\} \times 312.50 = 310.895 = 310.90^m$
$= \{(\frac{1}{2} \times 63.26) \times 310.90\} = 9,833.767^m$
$= 9,900.591^m - 9,833.767 = 66.824^m$
$= 207.512^m - 66.824^m = 140.688^m$

$BE = 66.50 - 0.73 - 53.21 = 11.64^m$
$\angle BEF = 76°-56'-21''$
$BG = \tan 76°-56'-21'' (4.3106917) \times 11.64 = 50.176 = 50.18^m$
$EG = \sec 76°-56'-21'' (4.4260651) \times 11.64 = 51.51^m$
$GO = 312.50 - 50.18 = 262.32^m$
$\angle EGB = (180°-00'-00'') - (90°-00'-00'') - (76°-56'-21'') = 13°-03'-39''$
$\angle EGO = (180°-00'-00'') - (13°-03'-39'') = 166°-56'-21''$
$\sin \angle GFO = \dfrac{262.32 \times \sin 166°-56'-21'' (0.2258080)}{312.50} = 0.1896976$
$\angle GFO = 10°-57'-06''$
$\angle GOF = (180°-00'-00'') - (166°-56'-21'') - (10°-57'-06'') = 2°-06'-33''$
$FG = \sqrt{312.50^2 + 262.32^2 - 2 \times 312.50 \times 262.32 \times \cos 2°-06'-33'' (0.9993225)} = 51.27^m$
$FF = 51.51 - 51.27 = 0.24^m$
$BF = \{(\frac{1}{2} \sin 2°-06'-33'' (0.0184049) \times 312.50\} \times 2 = 11.50^m$
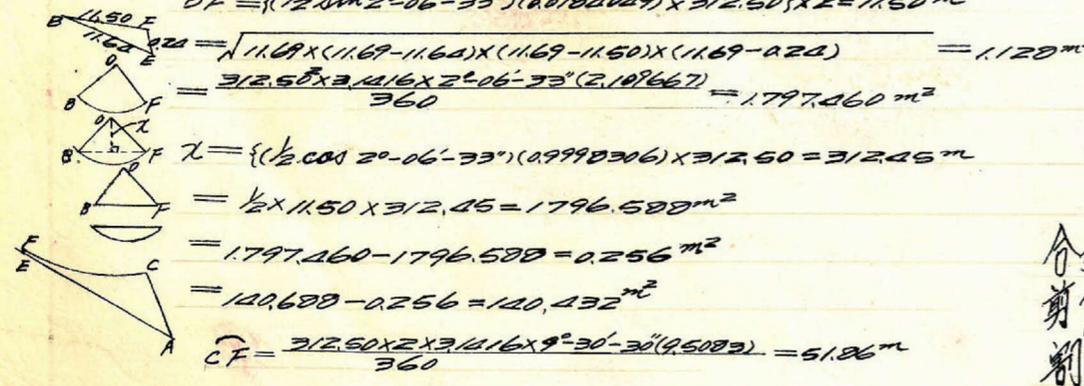
$= \sqrt{11.69 \times (11.69-11.64) \times (11.69-11.50) \times (11.69-0.24)} = 1.128^m$

$= \dfrac{312.50 \times 3.1416 \times 2°-06'-33'' (2.109667)}{360} = 1,797.460^m$

$x = \{(\frac{1}{2} \cos 2°-06'-33'' (0.9990306) \times 312.50 = 312.45^m$
$= \frac{1}{2} \times 11.50 \times 312.45 = 1,796.588^m$
$= 1,797.460 - 1,796.588 = 0.256^m$
$= 140.688 - 0.256 = 140.432^m$

$CF = \dfrac{312.50 \times 2 \times 3.1416 \times 9°-30'-30'' (9.5083)}{360} = 51.86^m$

N_{632} $x = 1,129.613$ $y = (-)1,250.546$
N_{632} $x = 1,129.471$ $y = (-)1,249.708$
N_{633} $x = 1,182.496$ $y = (-)1,222.471$

$\sec 13°-03' (1.0265) \times 3.00 = 3.08$
$\tan \quad'' \quad (0.2318) \times 12.50 = 2.904$

$\sec 16°-41' (1.0433) \times 3.00 = 3.13$
$\tan \quad'' \quad (0.2997) \times 12.50 = 3.75$

$26m$

51.26
53.21

$\frac{1}{2} \times \sin 76°-57' (0.97417) \times 47.04 \times 53.21 = 1,219.173^m$

$\frac{1}{2} \times \sin 91°-09' (0.99980) \times 30.50 \times 53.96 = 824.803^m$

$53.96 - 0.05 + 0.05 = 53.96$

N_6 $x = 1,119.141$ $y = (-)1,199.692$

$\sec 4°-47' (1.0035) \times 3.00 = 3.01$
$\tan \quad'' \quad (0.0837) \times 2.00 = 0.174$

$\sec 1°-09' (1.0002) \times 3.00 = 3.00$
$\tan \quad'' \quad (0.020) \times 2.00 = 0.04$
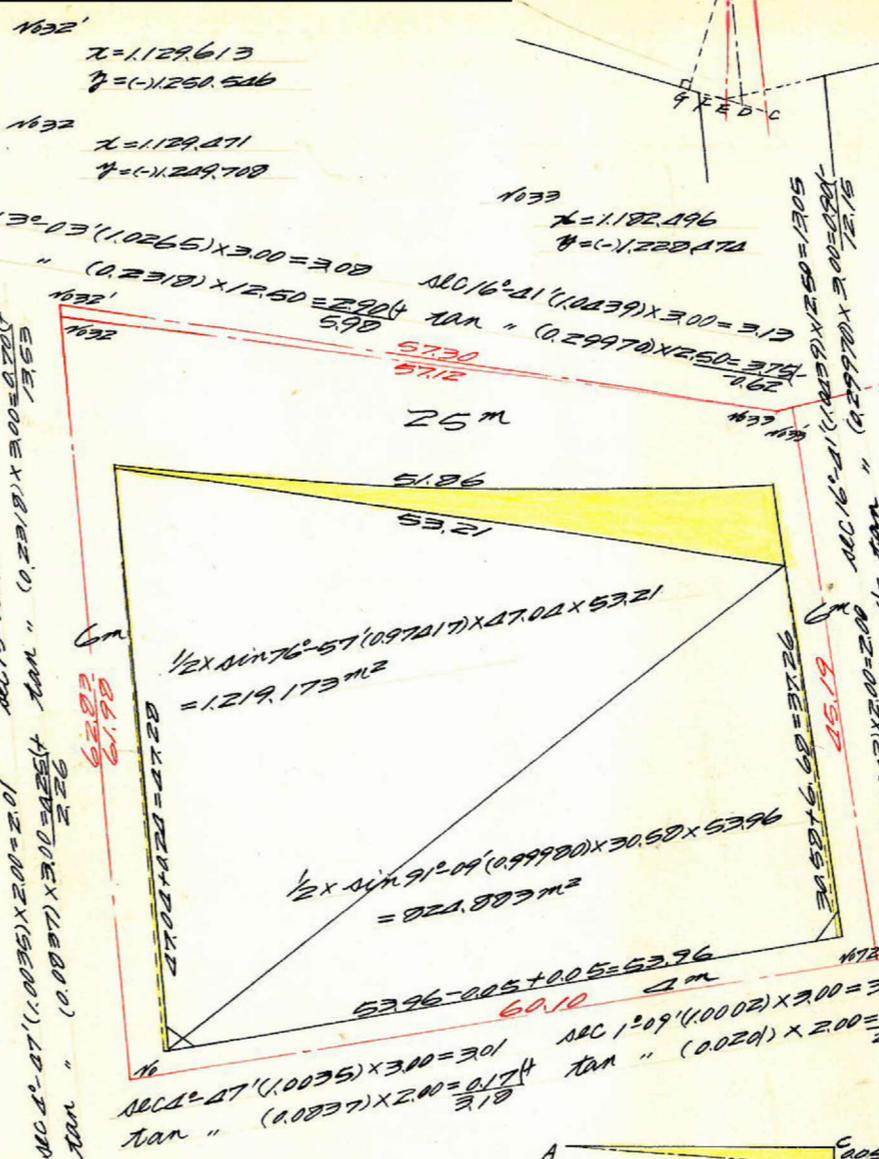
$AG = 12.50^m$ $\angle ABC = 106°-41'-14''$
$CF = \sec 16°-41'-14'' (1.0433965) \times 3.00 = 3.13$
$DG = \tan \quad'' \quad (0.2997713) \times 12.50 = 3.75$
$\angle GAE = 11°-51'-07''$
$EG = \tan 11°-51'-07'' (0.2098972) \times 12.50 = 2.62$
$EF = 3.13 - (3.75 - 2.62) = 1.27 = 0.73$

$\angle BAC = 23°-42'-13''$ $\angle ABC = 82°-59'-01''$
$\angle ACB = 73°-18'-46''$ $AB = 1.229^m$
$BC = \dfrac{\sin 23°-42'-13'' (0.4020035) \times 1.229}{\sin 73°-18'-46'' (0.9578965)}$
$AC = \sqrt{1.229^2 + 0.516^2 - 2 \times 1.229 \times 0.516 \times \cos 82°-59'-01''}$
$= \sqrt{1.776697 - 1.268328 \times 0.1221639} = 1.273$
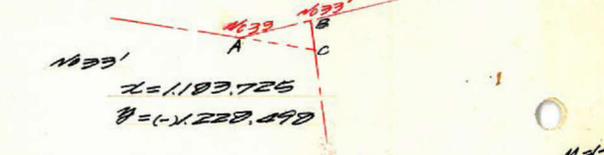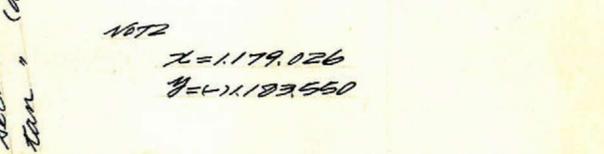
N_{633} $x = 1,183.725$ $y = (-)1,222.698$

N_{672} $x = 1,179.026$ $y = (-)1,193.550$

$A \quad 47.04 \quad C \quad 0.05 \quad B$
$\angle ABC = 95°-13'$
$AC = \sqrt{47.04^2 + 0.05^2 - 2 \times 47.04 \times 0.05 \times \cos 95°-13' (0.0939)} = 47.04^m$
$F = \frac{1}{2} \times \{(47.04 \times 0.05) \times \sin 95°-13' (0.9965)\} = 1.172^m$

$A \quad 37.26 \quad C \quad 0.05 \quad B$
$\angle ABC = 91°-09'$
$AC = \sqrt{37.26^2 + 0.05^2 - 2 \times 37.26 \times 0.05 \times \cos 91°-09' (0.02007)} = 37.26$
$F = \frac{1}{2} \times \{(37.26 \times 0.05) \times \sin 91°-09' (0.99980)\} = 0.931^m$

合計面積 $1,219.173^m + 824.803^m - 1.172^m + 0.931 + 140.432^m = 2,184.167 (\times 0.3025 = 660.73坪)$
剪除 〃 $2.36 + 2.26 = 4.62^m (\quad'' \quad = 1.39坪)$
割込 〃 $2,179.627 (\quad'' \quad = 659.33)$