



1:500

2-4 BLOCK

\* \* \* \* \* 街 区 成 果 表 \* \* \* \* \*

点 名	X	Y	点 名	X	Y	点 名	X	Y
2-4-13	- 146406.972	- 52917.548	2-4-14	- 146404.261	- 52916.325	2-4-2	- 146401.086	- 52912.977
2-4-3	- 146397.982	- 52909.574	2-4-4	- 146396.615	- 52907.903	2-4-5	- 146384.406	- 52893.108
2-4-6	- 146383.333	- 52878.689	2-4-7	- 146399.376	- 52878.853	2-4-8	- 146406.189	- 52878.930
2-4-19	- 146417.749	- 52879.089	2-4-20	- 146425.660	- 52879.204	2-4-9	- 146426.855	- 52879.195
2-4-10	- 146430.949	- 52879.255	2-4-15	- 146462.971	- 52880.224	2-4-16	- 146465.193	- 52882.181
2-4-17	- 146470.828	- 52917.191	2-4-18	- 146468.862	- 52919.433			
2-4-1	- 146405.375	- 52917.499	2-4-11	- 146464.887	- 52880.282	2-4-12	- 146471.200	- 52919.504

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点名 1	点名 2	方向角	距離	点名 1	点名 2	方向角	距離	点名 1	点名 2	方向角	距離
2-4-13	2-4-14	24-16-53	2.974	2-4-14	2-4-2	46-31-9	4.614	2-4-2	2-4-3	47-37-51	4.606
2-4-3	2-4-4	50-42-52	2.159	2-4-4	2-4-5	50-28-13	19.182	2-4-5	2-4-6	85-44-39	14.459
2-4-6	2-4-7	180-35-8	16.044	2-4-7	2-4-8	180-38-51	6.813	2-4-8	2-4-19	180-47-17	11.561
2-4-19	2-4-20	180-49-58	7.912	2-4-20	2-4-9	179-34-7	1.195	2-4-9	2-4-10	180-50-23	4.094
2-4-10	2-4-15	181-44-0	32.037	2-4-15	2-4-16	221-22-18	2.961	2-4-16	2-4-17	260-51-23	35.461
2-4-17	2-4-18	311-14-51	2.982	2-4-18	2-4-13	1-44-40	61.919				

2-4-1	2-4-13	181-44-40	1.598	2-4-1	2-4-14	46-31-9	1.618
2-4-11	2-4-15	1-44-0	1.917	2-4-11	2-4-16	260-51-23	1.923
2-4-12	2-4-17	80-51-23	2.343	2-4-12	2-4-18	1-44-40	2.339

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点 名	内 角	点 名	内 角	点 名	内 角	点 名	内 角
2-4-13	157- 27- 47	2-4-14	157- 45- 44	2-4-2	178- 53- 18	2-4-3	176- 54- 59
2-4-4	180- 14- 39	2-4-5	144- 43- 34	2-4-6	85- 9- 31	2-4-7	179- 56- 17
2-4-8	179- 51- 34	2-4-19	179- 57- 19	2-4-20	181- 15- 51	2-4-9	178- 43- 44
2-4-10	179- 6- 23	2-4-15	140- 21- 42	2-4-16	140- 30- 55	2-4-17	129- 36- 32
2-4-18	129- 30- 11						
2-4-1	135- 13- 31	2-4-11	100- 52- 37	2-4-12	79- 6- 43		

\* \* \* 突出し計算書 \* \* \*

NO.	1	2	3
視準点名	T69	T44	T44
観測点名	T6	604	604
求点名	T6-1	2-4-2	2-4-3
距離	61.315	4.374	6.880
COS & SIN	+ 0.998178 + 0.060332	- 0.610940 + 0.791677	+ 0.062781 + 0.998027
X 1 . Y 1 =	-146441.539 - 52879.027	-146398.414 - 52916.440	-146398.414 - 52916.440
DX . DY =	+ 61.203 + 3.699	- 2.672 + 3.463	+ 0.432 + 6.866
X 2 . Y 2 =	-146380.336 - 52875.328	-146401.086 - 52912.977	-146397.982 - 52909.574

NO.	4	5	6
視準点名	T44	T44	T6
観測点名	604	604	T6-1
求点名	2-4-4	2-4-5	2-4-6
距離	8.725	27.214	4.503
COS & SIN	+ 0.206218 + 0.978506	+ 0.514718 + 0.857360	- 0.665621 - 0.746290
X 1 . Y 1 =	-146398.414 - 52916.440	-146398.414 - 52916.440	-146380.336 - 52875.328
DX . DY =	+ 1.799 + 8.537	+ 14.008 + 23.332	- 2.997 - 3.361
X 2 . Y 2 =	-146396.615 - 52907.903	-146384.406 - 52893.108	-146383.333 - 52878.689

NO.	7	8	9
視準点名	T6	T6	T7
観測点名	T6-1	T6-1	T6
求点名	2-4-7	2-4-8	2-4-19
距離	19.364	26.103	23.790
COS & SIN	- 0.983293 - 0.182031	- 0.990431 - 0.138006	+ 0.999997 - 0.002589
X 1 . Y 1 =	-146380.336 - 52875.328	-146380.336 - 52875.328	-146441.539 - 52879.027
DX . DY =	- 19.040 - 3.525	- 25.853 - 3.602	+ 23.790 - 0.062
X 2 . Y 2 =	-146399.376 - 52878.853	-146406.189 - 52878.930	-146417.749 - 52879.089

\* \* \* 突出し計算書 \* \* \*

NO.	10		11		12
視準点名	T69		T69		T69
観測点名	T6		T6		T6
求点名	2-4-20		2-4-9		2-4-10
	方向角 1	47-37-57		47-37-57	
	観測角	311-43-40		311-42-50	
	方向角 2	359-21-37		359-20-47	
距離	15.880		14.685		10.592
COS & SIN	+ 0.999938	- 0.011165	+ 0.999935	- 0.011407	+ 0.999768
X 1 . Y 1 =	-146441.539	- 52879.027	-146441.539	- 52879.027	-146441.539
DX . DY =	+ 15.879	- 0.177	+ 14.684	- 0.168	+ 10.590
X 2 . Y 2 =	-146425.660	- 52879.204	-146426.855	- 52879.195	-146430.949

NO.	13		14		15
視準点名	T44		T44		T6
観測点名	604		604		T7
求点名	2-4-13		2-4-14		2-4-15
	方向角 1	55-17-47		55-17-47	
	観測角	132- 4-45		123-34-25	
	方向角 2	187-22-32		178-52-12	
距離	8.629		5.848		8.939
COS & SIN	- 0.991726	- 0.128373	- 0.999806	+ 0.019721	+ 0.951003
X 1 . Y 1 =	-146398.414	- 52916.440	-146398.414	- 52916.440	-146471.472
DX . DY =	- 8.558	- 1.108	- 5.847	+ 0.115	+ 8.501
X 2 . Y 2 =	-146406.972	- 52917.548	-146404.261	- 52916.325	-146462.971

NO.	16		17		18
視準点名	T6		A7		A7
観測点名	T7		T2		T2
求点名	2-4-16		2-4-17		2-4-18
	方向角 1	7-32-16		181-45-13	
	観測角	359-47-15		274- 0-55	
	方向角 2	7-19-31		95-46- 8	
距離	6.331		13.676		11.380
COS & SIN	+ 0.991838	+ 0.127502	- 0.100516	+ 0.994935	+ 0.051958
X 1 . Y 1 =	-146471.472	- 52882.988	-146469.453	- 52930.798	-146469.453
DX . DY =	+ 6.279	+ 0.807	- 1.375	+ 13.607	+ 0.591
X 2 . Y 2 =	-146465.193	- 52882.181	-146470.828	- 52917.191	-146468.862

\* \* \* 方 向 角 · 距 離 計 算 書 \* \* \*

NO 1  
 点名 X Y  
 1 2-4-13 - 146406.972 - 52917.548  
 2 2-4-14 - 146404.261 - 52916.325  
 COS=+ 0.911537 SIN=+ 0.411217  
 A L= 24-16-53 L = 2.974

NO 2  
 点名 X Y  
 1 2-4-14 - 146404.261 - 52916.325  
 2 2-4-2 - 146401.086 - 52912.977  
 COS=+ 0.688111 SIN=+ 0.725605  
 A L= 46-31-9 L = 4.614

NO 3  
 点名 X Y  
 1 2-4-2 - 146401.086 - 52912.977  
 2 2-4-3 - 146397.982 - 52909.574  
 COS=+ 0.673904 SIN=+ 0.738819  
 A L= 47-37-51 L = 4.606

NO 4  
 点名 X Y  
 1 2-4-3 - 146397.982 - 52909.574  
 2 2-4-4 - 146396.615 - 52907.903  
 COS=+ 0.633187 SIN=+ 0.773999  
 A L= 50-42-52 L = 2.159

NO 5  
 点名 X Y  
 1 2-4-4 - 146396.615 - 52907.903  
 2 2-4-5 - 146384.406 - 52893.108  
 COS=+ 0.636480 SIN=+ 0.771293  
 A L= 50-28-13 L = 19.182

NO 6  
 点名 X Y  
 1 2-4-5 - 146384.406 - 52893.108  
 2 2-4-6 - 146383.333 - 52878.689  
 COS=+ 0.074211 SIN=+ 0.997243  
 A L= 85-44-39 L = 14.459

NO 7  
 点名 X Y  
 1 2-4-6 - 146383.333 - 52878.689  
 2 2-4-7 - 146399.376 - 52878.853  
 COS=- 0.999948 SIN=- 0.010222  
 A L= 180-35-8 L = 16.044

NO 8  
 点名 X Y  
 1 2-4-7 - 146399.376 - 52878.853  
 2 2-4-8 - 146406.189 - 52878.930  
 COS=- 0.999936 SIN=- 0.011301  
 A L= 180-38-51 L = 6.813

NO 9  
 点名 X Y  
 1 2-4-8 - 146406.189 - 52878.930  
 2 2-4-19 - 146417.749 - 52879.089  
 COS=- 0.999905 SIN=- 0.013753  
 A L= 180-47-17 L = 11.561

NO 10  
 点名 X Y  
 1 2-4-19 - 146417.749 - 52879.089  
 2 2-4-20 - 146425.660 - 52879.204  
 COS=- 0.999894 SIN=- 0.014535  
 A L= 180-49-58 L = 7.912

NO 11  
 点名 X Y  
 1 2-4-20 - 146425.660 - 52879.204  
 2 2-4-9 - 146426.855 - 52879.195  
 COS=- 0.999972 SIN=+ 0.007531  
 A L= 179-34-7 L = 1.195

NO 12  
 点名 X Y  
 1 2-4-9 - 146426.855 - 52879.195  
 2 2-4-10 - 146430.949 - 52879.255  
 COS=- 0.999893 SIN=- 0.014654  
 A L= 180-50-23 L = 4.094

NO 13  
 点名 X Y  
 1 2-4-10 - 146430.949 - 52879.255  
 2 2-4-15 - 146462.971 - 52880.224  
 COS=- 0.999542 SIN=- 0.030247  
 A L= 181-44-0 L = 32.037

NO 14  
 点名 X Y  
 1 2-4-15 - 146462.971 - 52880.224  
 2 2-4-16 - 146465.193 - 52882.181  
 COS=- 0.750439 SIN=- 0.660940  
 A L= 221-22-18 L = 2.961

NO 15  
 点名 X Y  
 1 2-4-16 - 146465.193 - 52882.181  
 2 2-4-17 - 146470.828 - 52917.191  
 COS=- 0.158909 SIN=- 0.987293  
 A L= 260-51-23 L = 35.461

\* \* \* 方向角 · 距離 計算書 \* \* \*

NO 16  
点名 X Y  
1 2-4-17 - 146470.828 - 52917.191  
2 2-4-18 - 146468.862 - 52919.433

COS=+ 0.659311 SIN=- 0.751870

A L= 311-14-51 L = 2.982

NO 17  
点名 X Y  
1 2-4-18 - 146468.862 - 52919.433  
2 2-4-13 - 146406.972 - 52917.548

COS=+ 0.999536 SIN=+ 0.030443

A L= 1-44-40 L = 61.919

\* \* \* \* \* 2 直 線 の 交 点 計 算 書 \* \* \* \* \*

求 点 名	N O	1 2-4-1	2	2-4-11	3	2-4-12		
ALH T1.T2	1-44-40	226-31- 9	181-44- 0	80-51-23	260-51-23	181-44-40		
SIN T1.T2	+0.030442	-0.725605	-0.030248	+0.987293	-0.987293	-0.030442		
COS T1.T2	+0.999537	-0.688112	-0.999542	+0.158910	-0.158910	-0.999537		
コウカク = T	135-13-31		100-52-37		79- 6-43			
COSEC T	+ 1.419807		+ 1.018294		+ 1.018332			
	X	Y						
1 2-4-13	- 146406.972	- 52917.548	2-4-15	- 146462.971	- 52880.224	2-4-17	- 146470.828	- 52917.191
2 2-4-14	- 146404.261	- 52916.325	2-4-16	- 146465.193	- 52882.181	2-4-18	- 146468.862	- 52919.433
X1-2.Y2-1	- 2.711	+ 1.223		+ 2.222	- 1.957		- 1.966	- 2.242
X1-2*S11.2	- 0.0825	+ 1.9671		- 0.0672	+ 2.1938		+ 1.9410	+ 0.0598
Y2-1*CO1.2	+ 1.2224	- 0.8416		+ 1.9561	- 0.3110		+ 0.3563	+ 2.2410
COSEC*S1.2	+ 1.6184	+ 1.5981		+ 1.9234	+ 1.9172		+ 2.3394	+ 2.3430
キヨリ S1.S2	1.598	1.618		1.917	1.923		2.343	2.339
	X	Y						
1 2-4-13	- 146406.972	- 52917.548	2-4-15	- 146462.971	- 52880.224	2-4-17	- 146470.828	- 52917.191
DX DY	+ 1.597	+ 0.049		- 1.916	- 0.058		- 0.372	- 2.313
3 2-4-1	- 146405.375	- 52917.499	2-4-11	- 146464.887	- 52880.282	2-4-12	- 146471.200	- 52919.504

\* \* \* \* \* 各 筆 面 積 計 算 書 \* \* \* \* \*

2-4 BLOCK

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0·Y0	- 146300.000	- 52800.000		
2-4-13	- 146406.972	- 52917.548		
2-4-14	- 146404.261	- 52916.325	+ 12255.672028	+ 12443.517900
2-4-2	- 146401.086	- 52912.977	+ 11758.828950	+ 11779.094997
2-4-3	- 146397.982	- 52909.574	+ 11069.712414	+ 11076.397364
2-4-4	- 146396.615	- 52907.903	+ 10586.492010	+ 10572.551746
2-4-5	- 146384.406	- 52893.108	+ 9107.660618	+ 8995.629420
2-4-6	- 146383.333	- 52878.689	+ 7758.968964	+ 6641.823734
2-4-7	- 146399.376	- 52878.853	+ 7819.798064	+ 6571.057049
2-4-8	- 146406.189	- 52878.930	+ 8373.321217	+ 7843.747680
2-4-19	- 146417.749	- 52879.089	+ 9293.928570	+ 8398.381821
2-4-20	- 146425.660	- 52879.204	+ 9938.323740	+ 9326.191796
2-4-9	- 146426.855	- 52879.195	+ 10047.423420	+ 9951.643700
2-4-10	- 146430.949	- 52879.255	+ 10370.506055	+ 10053.893025
2-4-15	- 146462.971	- 52880.224	+ 12916.266605	+ 10505.252576
2-4-16	- 146465.193	- 52882.181	+ 13252.443232	+ 13393.119751
2-4-17	- 146470.828	- 52917.191	+ 14038.815868	+ 19359.132863
2-4-18	- 146468.862	- 52919.433	+ 19789.106642	+ 20402.500524
2-4-13	- 146406.972	- 52917.548	+ 12775.986876	+ 19849.390376
			+191153.255273	+197163.326322
		倍面積	= 6010.071049	
		面積	= 3005.035524	

夕子

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0·Y0	- 146300.000	- 52800.000		
2-4-13	- 146406.972	- 52917.548		
2-4-14	- 146404.261	- 52916.325	+ 12255.672028	+ 12443.517900
2-4-2	- 146401.086	- 52912.977	+ 11758.828950	+ 11779.094997
2-4-3	- 146397.982	- 52909.574	+ 11069.712414	+ 11076.397364
2-4-4	- 146396.615	- 52907.903	+ 10586.492010	+ 10572.551746
2-4-5	- 146384.406	- 52893.108	+ 9107.660618	+ 8995.629420
2-4-6	- 146383.333	- 52878.689	+ 7758.968964	+ 6641.823734
2-4-7	- 146399.376	- 52878.853	+ 7819.798064	+ 6571.057049
2-4-8	- 146406.189	- 52878.930	+ 8373.321217	+ 7843.747680
2-4-19	- 146417.749	- 52879.089	+ 9293.928570	+ 8398.381821
2-4-20	- 146425.660	- 52879.204	+ 9938.323740	+ 9326.191796
2-4-9	- 146426.855	- 52879.195	+ 10047.423420	+ 9951.643700
2-4-10	- 146430.949	- 52879.255	+ 10370.506055	+ 10053.893025
2-4-15	- 146462.971	- 52880.224	+ 12916.266605	+ 10505.252576
2-4-16	- 146465.193	- 52882.181	+ 13252.443232	+ 13393.119751
2-4-17	- 146470.828	- 52917.191	+ 14038.815868	+ 19359.132863
2-4-18	- 146468.862	- 52919.433	+ 19789.106642	+ 20402.500524
2-4-13	- 146406.972	- 52917.548	+ 12775.986876	+ 19849.390376

\* \* \* \* \* 各 筆 面 積 計 算 書 \* \* \* \* \*

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
			+191153.255273	+197163.326322
		倍面積	= 6010.071049	
		面積	= 3005.035524	

1 スミキリ

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146400.000	- 52900.000		
2-4-1	- 146405.375	- 52917.499		
2-4-13	- 146406.972	- 52917.548	+ 122.003028	+ 94.320500
2-4-14	- 146404.261	- 52916.325	+ 74.772028	+ 113.817900
2-4-1	- 146405.375	- 52917.499	+ 87.746875	+ 74.563239
			+ 284.521931	+ 282.701639
		倍面積	= 1.820292	
		面積	= 0.910146	

11 スミキリ

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146400.000	- 52800.000		
2-4-11	- 146464.887	- 52880.282		
2-4-15	- 146462.971	- 52880.224	+ 5055.437822	+ 5205.494688
2-4-16	- 146465.193	- 52882.181	+ 5230.043232	+ 5175.019751
2-4-11	- 146464.887	- 52880.282	+ 5332.478547	+ 5233.824426
			+ 15617.959601	+ 15614.338865
		倍面積	= 3.620736	
		面積	= 1.810368	

12 スミキリ

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146400.000	- 52900.000		
2-4-12	- 146471.200	- 52919.504		
2-4-17	- 146470.828	- 52917.191	+ 1381.429312	+ 1223.999200
2-4-18	- 146468.862	- 52919.433	+ 1183.806642	+ 1376.400524
2-4-12	- 146471.200	- 52919.504	+ 1383.629600	+ 1343.084448
			+ 3948.865554	+ 3943.484172
		倍面積	= 5.381382	
		面積	= 2.690691	

\* \* \* 各筆面積 集計表 \* \* \*

街区名・筆名	各筆面積	隅切面積
2-4 BLOCK	3005.03	
タク子	3005.03	
1 スミキリ		0.91
11 スミキリ		1.81
12 スミキリ		2.69
合計 =	3005.03	5.41