



JURUKUR ZENITH

Licensed Land Surveyors

Consultant In Land And Property Development,
Survey Services In Land And Strata Titles, Engineering,
Topographical, Hydrographic And GPS Surveying.

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于高測量公司

Our ref. no.: IS1 – JZ/17/WP/341 – 20-3-2017

20th March 2017

Surveyor Foo Chee Yong,

**Re: Demarcation, Detail & Spot Level Survey on PT 890 (H.S.(D) 32115), (No. 36, Lorong
Dungun, Damansara Heights), Mukim of Kuala Lumpur, District of Kuala Lumpur,
Wilayah Persekutuan Kuala Lumpur.**

Please help to carry-out the Demarcation, Detail & Spot Level Survey on **PT 890** as shown in the attached Approved Pre-computation Plan at site as follows:

1. To do the solar observation and establish control traverse at and around the site by connecting to old boundary marks as base. (Please connect to old boundary marks in both Certified Plan and Approved Pre-computation Plan to get the good base).
2. To locate the old boundary marks on PT 890. If the old boundary marks could not be found at site, to demarcate the boundary by using 1 inch diameter pipe or nail in concrete. Boundary marks out of the original position for more than 4cm need to be **demarcated with title survey markers**. Please apply "PO & New Adjustment Method" when you do the boundary demarcation survey.
3. Since the land title is still under Qualified Title, I would advise client to do appoint us to prepare the Certified Plan for approval later but subject to client's decision for us to proceed with that. **Please record the vertical angle, slope distance and horizontal distance for all the control traverse stations and when you tie to old boundary marks or plant new boundary marks at site so that we can use the information to prepare CP just in case client wants to proceed with CP submission.**
4. To transfer level from the nearest Government Bench-mark(BM) to site as height datum.
5. Based on Item No. 4 above, to establish 2 units of Temporary Bench-mark(TBM) at site for future reference.
6. Based on Items No. 1 to 5 above, to carry-out the detail and spot level survey on **PT 890**, extending 10m beyond the lot boundary to show the features such as metalled road, **limit of the existing building, platform level of the house(E.g. the level at car porch, apron, ground concrete slab & etc.), limit of the swimming pool**, metalled road, drains(IL & sizes), **trees(diameter more than 200mm)**, cutting, utilities such as electric & lamp posts, manholes, etc and also to provide the regular spot level to depict the ground profile.
7. Please pick up the fencing, concrete wall or retaining wall located on the common boundary of our site and neighbouring lots accurately by using the miniprism. Please pick up the ground level and level on top of the perimeter fencing wall. (Purpose is to know the height of the wall).
8. Please pick up a few spot levels on the neighboring lots.
9. Please paint all the lot boundary and TBM with red paint for easy identification at site.

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10. As discussed, please start work at site on next Tuesday, 28th March 2017, 8am. Client will open the gate for you at 8am on that day. Please call client, Mr Daniel (H/P: 012-2947546) to remind him one day before you start work at site.

Attached with Field Book 79, Tachy Book 32, Level Book 32.

Please try to submit the survey data, Field Book, Tachy Book, Level Book & etc to me asap after you have completed the survey work at site. Please calculate & show the po & new comparison of baseline, linear misclose of the control traverse, the RL of the control stations in FB, TB, LB & etc.

Thank you.

Best regards,
Heng Wei Kaiy

Rajah di muka

Stesen	BEARING / SUDUT			Dari Stn.	GARISAN	Ke Stn.	Sudut Pukak (±)	Jarak	Suhu	Jarak Antara Tupang	Jarak Mukamat
	Penyilang Kiri	Penyilang Kanan	Purata		Bearing Mukamat						
	Datum	Daripada		2	325 05 02	1	89 91 30	78.997	26/3/17		78.997
					A ₃ Ak.						
					Dgn M/H						
2-3	281 59 57			2	281 59 57	13	88 03 90	27.727		BKL	27.727
2-7	279 18 38			2	279 18 38	7	89 07 56	29.983		BKL	29.983
2-5	307 91 19			2	307 91 19	5	89 49 33	40.951		pk.B	40.951
2-6	328 13 29	145 05 02		2	328 13 29	6	87 50 17	16.995		pk.L (U)	16.995
1	325 05 02	175 05 42	106 17 22	2	106 17 22	7	93 17 12	51.807			51.807
2				7	106 17 22						
					pk.L ←						
2	286 17 22	106 17 22	182 00 56	7	182 00 56	8	92 02 19	62.257			62.257
7				8	182 00 56						
					pk.B						
2-9	95 59 17			2	95 59 17	9	92 58 32	51.856			51.856
8-10	171 10 51			8	171 10 51	10	90 48 03	31.298			31.298
7	2 00 56	182 00 56	188 29 19	8	188 29 19	11	92 02 19	85.179			85.179
8				11	188 29 19						
					pk.B						
8	8 29 19	188 29 19	299 15 19	11	299 15 19	12	95 25 38	60.059			60.059
11				12	299 15 19						
					pk.B						

No. Fail

Rajah di muka

Stesen	BEARING/SUDUT			Dari Stn.	GARISAN Bearing Mukamat	Ke Stn.	Sudut Pukak (±)	Jarak	Suhu	Jarak Antara Tupang	Jarak Mukamat
	Penyilang Kiri	Penyilang Kanan	Purata								

Computation Based on route as shown in J2/17/WP/341/P/1 done by Hap dated 19/4/2017.

16-9	165 17 52 165 16 29 165 16 22	122.38 122.307 122.308	N PO PO	171°13'20" 0.713	18-3	162 54 37	76.923 N				
	+11'28" +01'13"	+0.073 +0.074				158 17 27	71.640 PO				
						162 55 16	76.852 PO				
						-39"	+0.071				
16-3	163 49 20 163 48 43 163 48 35	119.558 119.489 119.491	N PO PO	18-4	165 11 56	79.724 N					
	+55" +48"	+0.063 +0.065			160 53 55	74.181 PO					
					165 11 56	79.644 PO					
						NIL	+0.080				
16-18	165 28 20 165 25 00	72.658 72.683	N PO	169°38'30" 0.713	18-3	162 54 37	76.923 N				
	+32" +03'30"	-0.005				162 54 24	76.855 PO				
						+13"	+0.068				
16-17	165 30 48 165 25 00	27.692 27.685	N PO	18-4	165 11 56	79.724 N					
	+05'48"	+0.007			165 11 05	79.646 PO					
					+51"	+0.078					
10-7	358 23 58 358 22 58	93.183 93.177	N PO	169°38'30" 0.713	18-3	162 54 37	76.923 N				
	+78"	+0.006				162 54 24	76.855 PO				
						+13"	+0.068				
10-9	359 32 25 359 31 50	102.288 102.288	N PO	169°38'30" 0.713	18-4	165 11 56	79.724 N				
	+75"	+0.020				165 11 05	79.646 PO				
						+51"	+0.078				

Please refer to Base Computation based on route as shown in J2/17/WP/341/P/1 done by Hap dated 20/4/2017.

Please refer to Base Computation
Based on route as shown in J2/17/WP/341/P/1 done by Hap dated 20/4/2017

* 17-18 165 24 14 14.966 N
165 25 00 14.978 PO
-46" -0.012

Base = Sta 18-3

Hap
20/4/2017.

3-4 212 13 28 4.198 N
212 09 40 4.179 PO
+03'48" +0.019

Rajah di muka

NIKAYAZ PERSEKUTUAN
MURKIN KACA LAMPYR
TANPA SKACA

52315
PA 108338

$$\begin{array}{r} 21 \\ 342 \\ 180 \\ \hline 262 \end{array}$$

Penilik: J2341 Lorong Dungun Tarikh: 28/03/2017 Tiodoit Satubah aras ufuk:
 Stn. Koordinat: S2121 B4187 W.P. Kuala Lumpur T.P. B.K. Ms.

Waktu	Sasaran	Ufuk	Gelembong	Puguk		
	T.R.	350 00 00				
9 12	M.H.	114 27 15		60 33 01	Waktu purata	9 12 30
9 12	M.H.	113 50 27		60 30 47	Beza dari U.T. -	8 00 00
9 13	M.H.	293 50 30		299 34 48	U.T.	1 12 30
9 13	M.H.	294 27 47		299 40 40	Deklinasi	2 12 44
	T.R.	170 00 00				

	T.R.	350 00 00				
9 16	M.H.	114 29 25		59 49 03	Waktu purata	9 16 30
9 16	M.H.	113 52 28		59 46 24	Beza dari U.T. -	8 00 00
9 17	M.H.	293 52 23		300 18 43	U.T.	1 16 30
9 17	M.H.	294 30 03		300 24 34	Deklinasi	2 12 48
	T.R.	170 00 00				

	Set 1	Set 2
Sudut puguk	29 32 55	30 16 58
Pembetulan	- 0 01 25	- 0 01 22
Altitud	29 31 30	30 15 36
Jarak kutub	87 47 16	87 47 12
Latitud	3 09 18	3 09 18
Azimut M.H. yang dikira	89 14 35	89 16 36
Purata ke M.H.	114 09 00	114 11 05
Selisih:	- 24 54 25	- 24 54 29
Purata ke T.R.	350 00 00	350 00 00
Azimut T.R. sebenar	325 05 35	325 05 31
Pembetulan aras	+ 0 00 00	+ 0 00 00
irusan	- 0 00 31	- 0 00 31
Bering grid T.R.	325 05 04	325 05 00
Purata bering grid T.R.	325 05 02	

Close