

# Maldives Land and Survey Authority,

MINISTRY OF HOUSING AND INFRASTRUCTURE

Ameene Magu, Maafannu, Male', 20392, Maldives.

Office (PABX): +(960) 3004300, Fax: +(960) 3004254

Email: survey@mhe.gov.mv

Web: www.surveyofmaldives.gov.mv, www.mhe.gov.mv



|                           |                                 |                     |
|---------------------------|---------------------------------|---------------------|
| CONTROL POINT DETAILS     |                                 | Station Number 5518 |
| Coordinate Information    |                                 |                     |
| Geodetic                  | Grid                            |                     |
| WGS 84                    | UTM Zone 43                     |                     |
| Lat: 5°26'29.93207"N      | E: 268404.311m                  |                     |
| Long: 72°54'35.30595"E    | N: 601884.452m                  |                     |
| Ellp Height: -93.508      | Orth Height: 1.988m             |                     |
| Island Name: Raa.Furaveri | Date: 05 <sup>th</sup> Aug 2012 |                     |

### Monument description & method of survey:

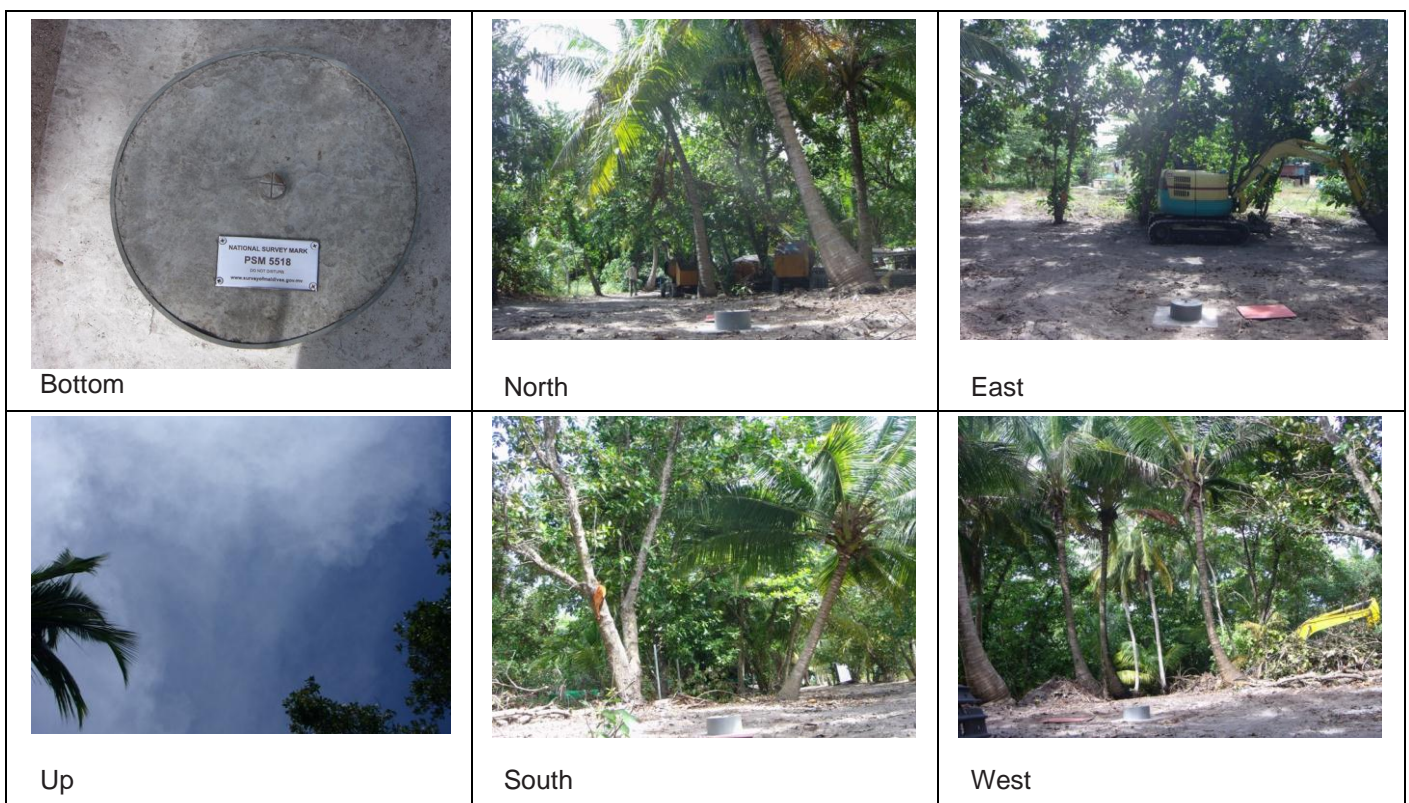
**PSM type:** PSM type A (finish level approx. 150mm above ground level), addition 2ftx2ft footing provide for extra support

PSM was established using Topcon HiperII DGPS system. Static survey method was used for establishing the horizontal coordinates. Three PSM were set at site and data collected for a triangle. Approximately 6hrs 01min of data collected for line PSM 5518-5519, 02hrs 50min for line PSM 5518-5520 and 02hrs 38mins for the line PSM 5519-5520. The PSM 5518 is in line of sight to PSM 5519. Correction and adjustment are made using Topcon Tools software. MSL established by transferring water level (08/08/2012 11:45) and reducing to MSL using Hanimaadhoo predicted tide data set.

### General site condition & access:

The PSM 5518 is located north side of the island and it is closer to the temporary accommodation units. The PSM falls will be close to the commissary kitchen and staff restaurant in the master plan of the resort. The PSM 5518 is in line of sight to PSM 5519; located at side of existing old control point-CP01 approximately 14m northeast of PSM 5518. The PSM can be accessible from the main crossroad in the master plan of the resort. Sky view is obstructed at NNE and E (50°), EES (30°), SW (50°) and WNW (30°).

**Owner:** The resort management takes full responsibility of safeguarding the PSM.

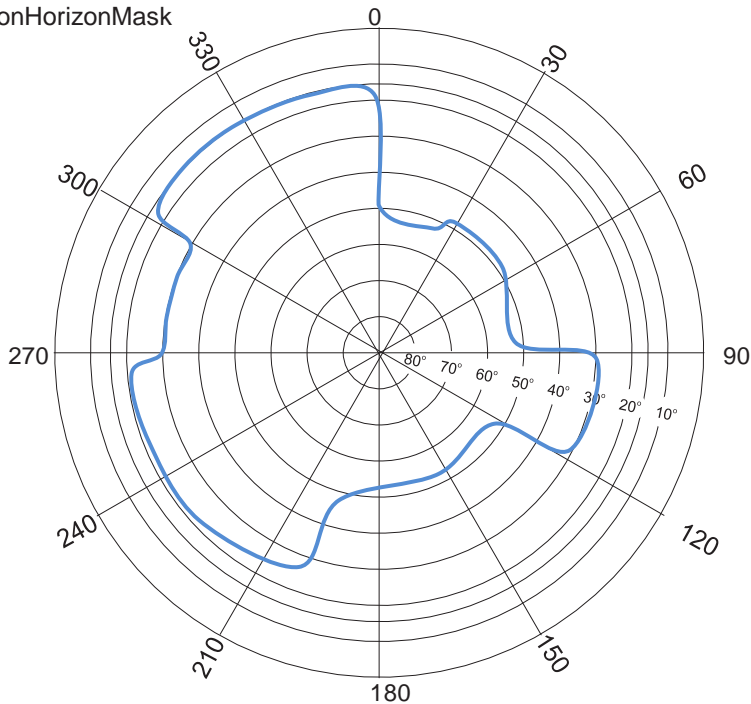


SITE INFORMATION

Station Number

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| P | S | M | 5 | 5 | 1 | 8 |
|---|---|---|---|---|---|---|

StationHorizonMask

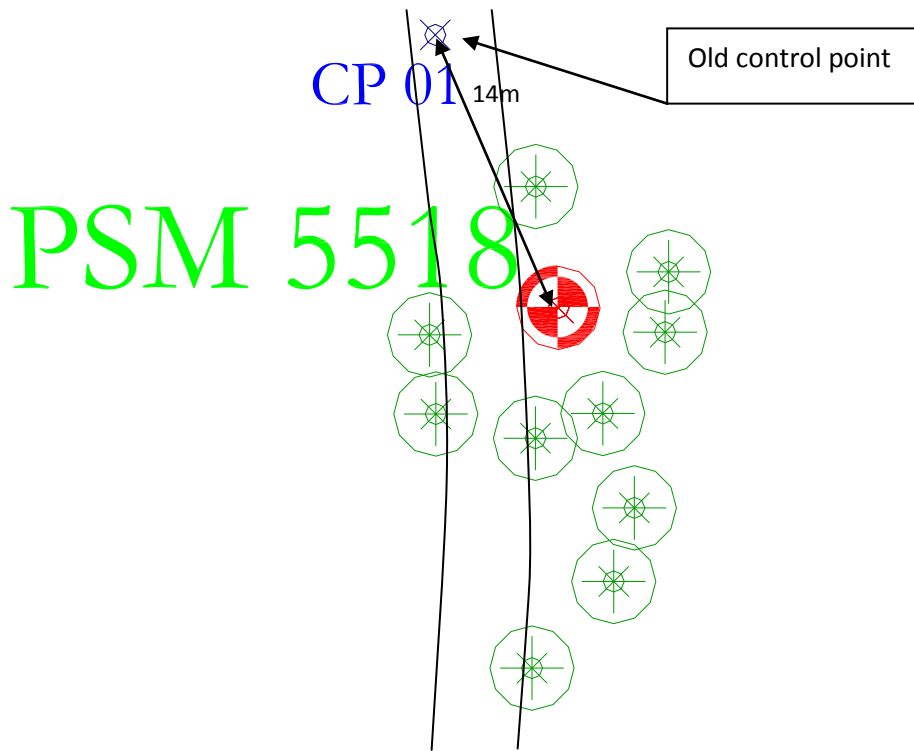


Height above Marker that horizon was mapped from 1.516 m

Magnetic Declination Declination applied to this figure?  
 Yes  No



Locality



Sketched by: Usman Mohamed

Scale: Not to scale

Date: 05<sup>th</sup> August 2012

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|                        |                    |                    |
|------------------------|--------------------|--------------------|
| CONTROLPOINT DETAILS   |                    | StationNumber 5519 |
| Coordinate Information |                    |                    |
| Geodetic               | Grid               |                    |
| WGS 84                 | UTM Zone43         |                    |
| Lat:5°26'24.22668"N    | E:268388.680 m     |                    |
| Long:72°54'34.81803"E  | N:601709.201 m     |                    |
| Ellp Height:-94.107    | Orth Height:1.614m |                    |

|                            |                                 |
|----------------------------|---------------------------------|
| Island Name: Raa. Furaveri | Date: 05 <sup>th</sup> Aug 2012 |
|----------------------------|---------------------------------|

### Monument description & method of survey:

**PSM type:** PSM type A (finish level approx. 150mm above ground level), addition 2ftx2ft footing provide for extra support

PSM was established using Topcon HiperII DGPS system. Static survey method was used for establishing the horizontal coordinates. Three PSM were set at site and data collected for a triangle. Approximately 6hrs 01min of data collected for line PSM 5518-5519, 02hrs50min for line PSM5518-5520 and 02hrs 38mins for the line PSM5519-PSM5520. The PSM 5518 is in line of sight to PSM 5519. Correction and adjustment are made using Topcon Tools software. MSL established by transferring level from PSM 5518 as part of level run.

### General site condition & access:

The PSM 5519 is located southside of the island it will closer to the temporary kitchen and mess room. The PSM falls will be closer to the east side of administrative office in the master plan of the resort. The PSM5519 in line of sight to PSM 5518; located at side of existing old control point-CP02 approximately 25m southeast of PSM5519. The PSM can be accessible from the main crossroad in the master plan of the resort. Sky view is clear of obstruction apart from NEE and NW (obstructing at 30° elevation angle).

**Owner:** The resort management takes full responsibility for safeguarding the PSM.

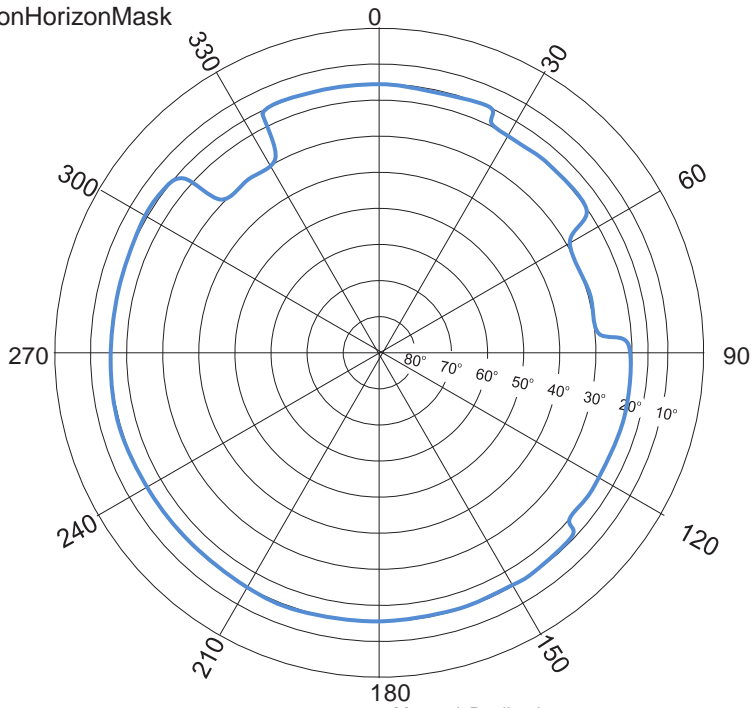


SITE INFORMATION

Station Number

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| P | S | M | 5 | 5 | 1 | 9 |
|---|---|---|---|---|---|---|

StationHorizonMask



Height above Marker that horizon was mapped from 2.058 m

Magnetic Declination Declination applied to this figure?  
 Yes  No



Locality



PSM 5519

13m

25m

Temporary building

CP 02

Sketched by: Usman Mohamed

Scale: Not to scale

Date: 05<sup>th</sup> August 2012

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|                        |                     |                     |
|------------------------|---------------------|---------------------|
| CONTROL POINT DETAILS  |                     | Station Number 5520 |
| Coordinate Information |                     |                     |
| Geodetic               | Grid                |                     |
| WGS 84                 | UTM Zone 43         |                     |
| Lat: 5°26'26.49939"N   | E: 267987.9703m     |                     |
| Long: 72°54'21.79661"E | N: 601780.4205m     |                     |
| Ellp Height: -94.223   | Orth Height: 1.499m |                     |

|                          |                                 |
|--------------------------|---------------------------------|
| Island Name: R. Furaveri | Date: 05 <sup>th</sup> Aug 2012 |
|--------------------------|---------------------------------|

### Monument description & method of survey:

**PSM type:** PSM type A (finish level approx. 150mm above ground level), addition 2ftx2ft footing provide for extra support

PSM was established using Topcon HiperII DGPS system. Static survey method was used for establishing the horizontal coordinates. Three PSM were set at site and data collected for a triangle. Approximately 6hrs 01min of data collected for line PSM 5518-5519, 02hrs 50min for line PSM 5518-5520 and 02hrs 38mins for the line PSM 5519-PSM 5520. Correction and adjustment are made using Topcon Tools software. MSL established by transferring level from PSM 5519 as part of level run.

### General site condition & access:

The PSM 5520 is located westside of the island; close to the west end of abandoned agriculture area. The PSM will fall close to the north side of main kitchen in the master plan of the resort. The PSM can be accessible from the west end of circle road in the master plan of the resort. Sky view is clear of obstruction apart from NNE, NE, E and EES (obstructing at 30° elevation angle).

**Owner:** The resort management takes full responsibility for safeguarding the PSM.

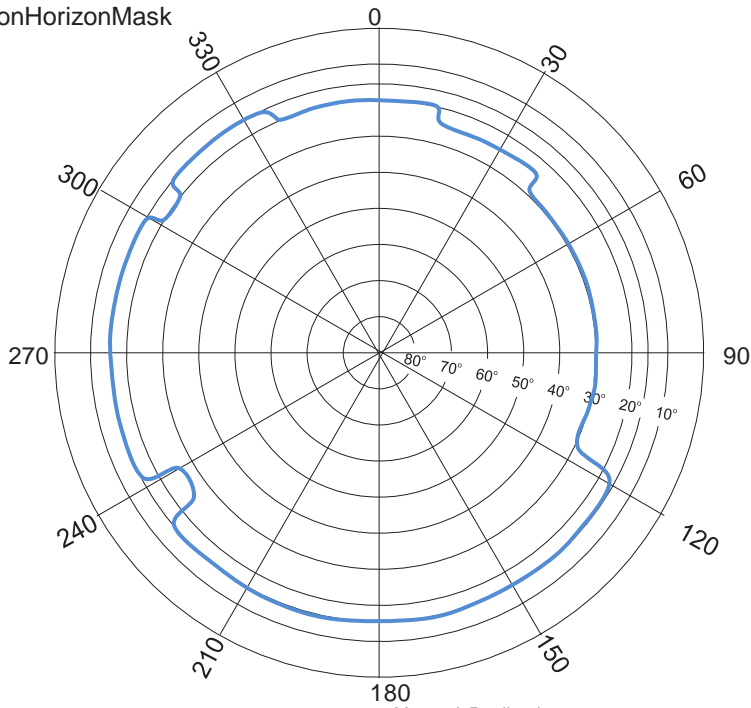


SITE INFORMATION

Station Number

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| P | S | M | 5 | 5 | 2 | 0 |
|---|---|---|---|---|---|---|

StationHorizonMask

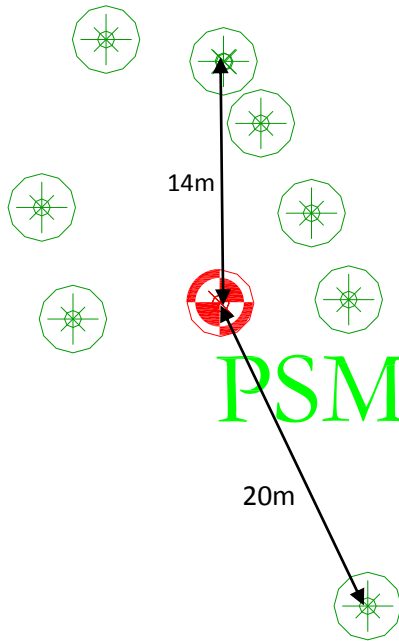


Height above Marker that horizon was mapped from 2.058 m

Magnetic Declination Declination applied to this figure?  
 Yes  No



Locality



Sketched by: Usman Mohamed

Scale: Not to scale

Date: 05<sup>th</sup> Agust 2012