

SURVEY UNIT,
MINISTRY OF HOUSING AND ENVIRONMENT
 Ameenee Magu, Maafannu, Male', 20392, Maldives
 Office (PABX): +(960) 3004300, Fax: +(960) 3004301
 Email: survey@mhe.gov.mv
 Web: www.mhe.gov.mv



CONTROL POINT DETAILS	Station Number: PSM 5070
Coordinate Information	
Geodetic	Grid
WGS 84	UTMNorth-Zone_43 : 72E to 78E
Lat: 4°13'56.51492"N	E: 338474.8960m
Long: 73°32'40.65972"E	N: 467963.4870m
Ellp Height: -87.913m	Orth Height: +0.794m from MSL

Date: 30th June 2012

Monument description & method of survey:

The Mark / Stainless steel rod is placed in the top of a concrete block cast in-site having a volume of at least 0.07 cubic meters.

- A stainless steel bar with diameter of 12mm is inserted from the top of the concrete as the mark.
- 1cm of the rod is left above the top surface of the concrete in order to place the levelling staff.
- This rod is about 1.5m long, lengthy enough to reach the hard ground.
- PSM mark is 150mm above ground level.

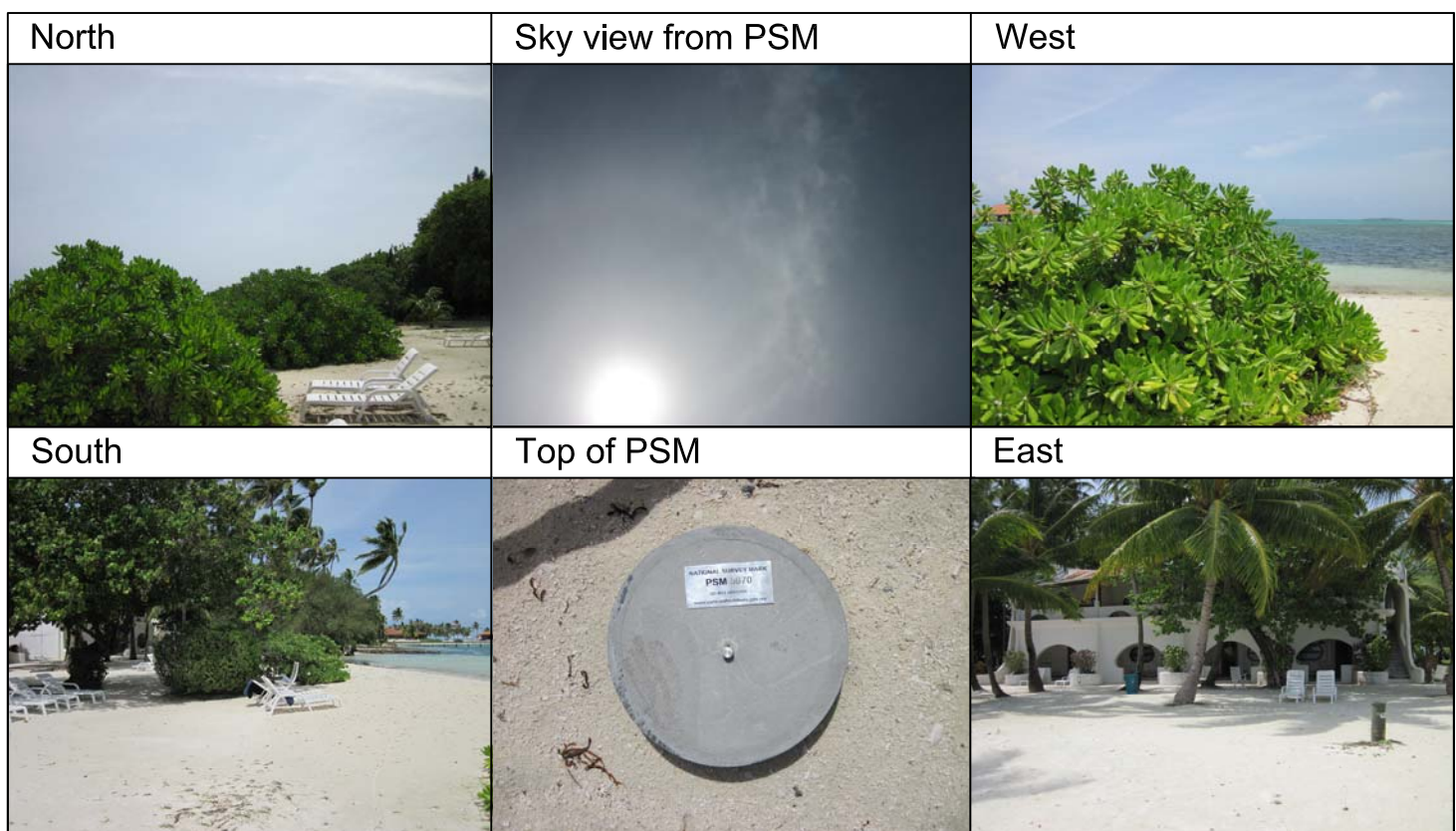
The horizontal coordinates (Easting X, Northing Y) of the three PSMs determined by single point localization done for more than minimum hours with two units of Topcon GR-5 Dual frequency GNSS receivers. All PSMs were observed at the same time for static post processing.

General site condition & access:

PSM 5070 is established on the north western side on the A-Block area as referred by the staff of ClubFaru. PSM mark is with optimum sky view about 25m away from the guest rooms and about 9m inside the high tide line. There are small bushes (Magoo) surrounding the mark, with an antenna height of 1.5m these cannot be considered as canopy.

A permanent stainless steel bolt is established as benchmark (BM01) near the main restaurant jetty as a backsight point which is visible to PSM5070. This Benchmark can be used as a back sight point when using total station or as a GNSS base station in for future surveys.

Owner: Club Faru Island Resort

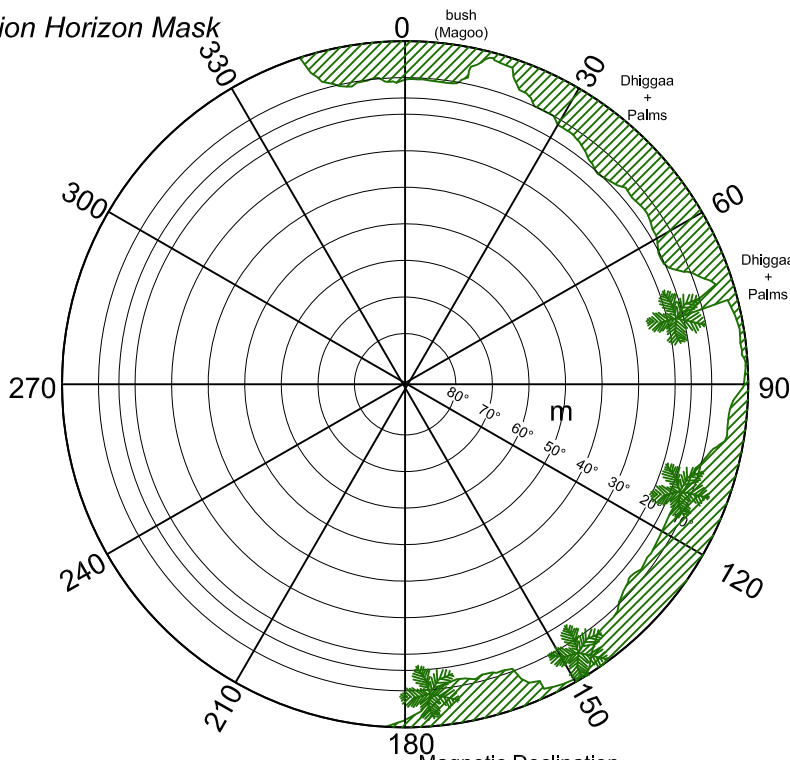


SITE INFORMATION

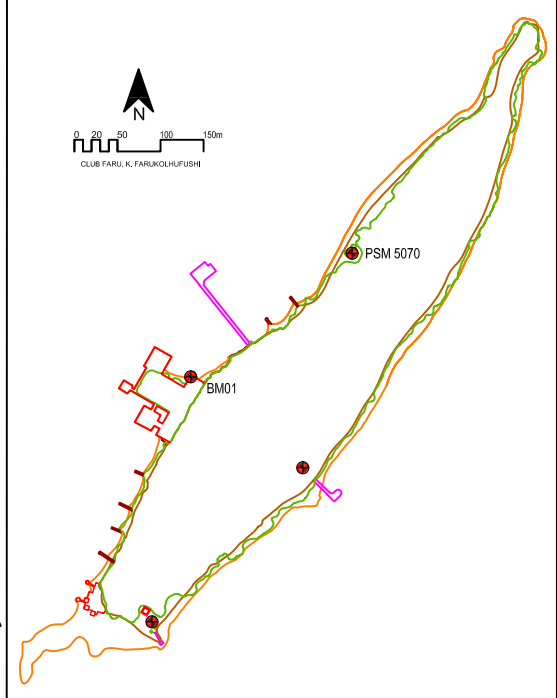
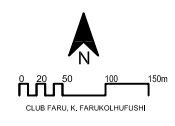
Station Number

P	S	M	5	0	7	0
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Station Horizon Mask

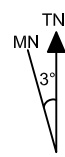


Locality

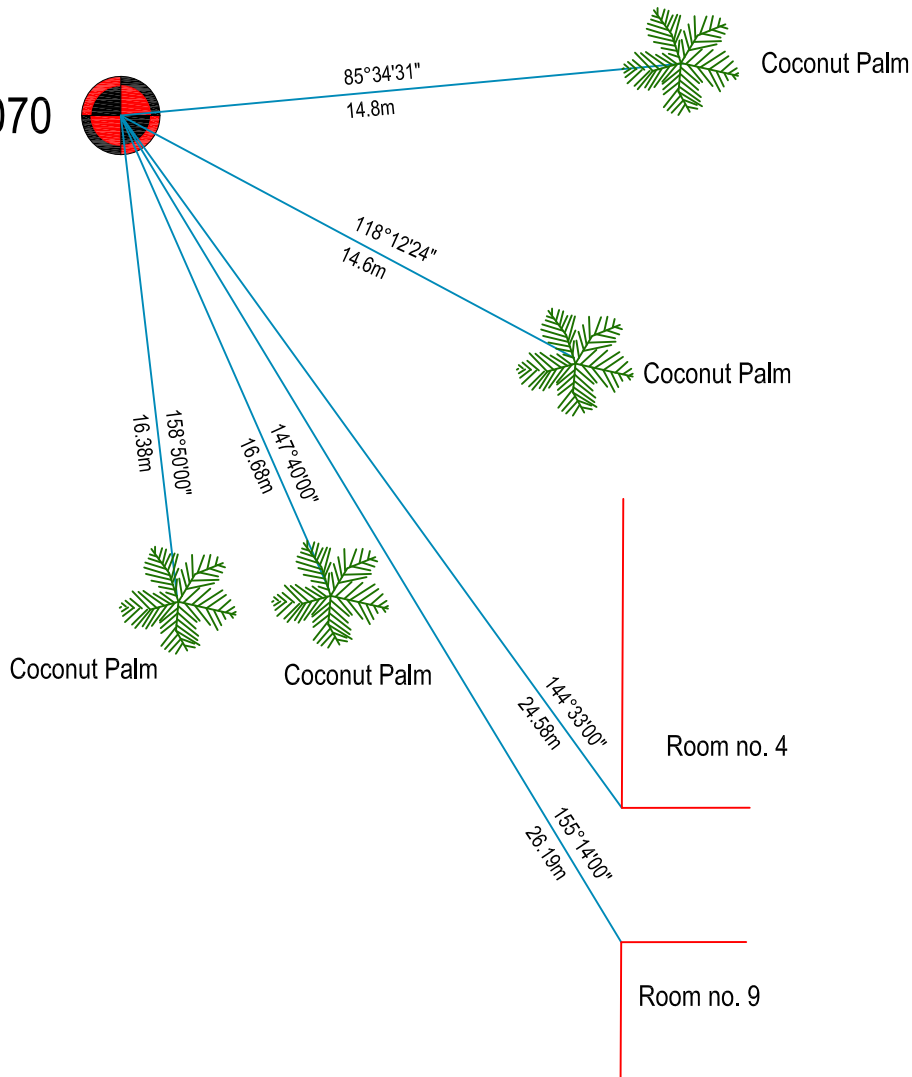


Height above Marker horizon was mapped from 1.483 m

Magnetic Declination.....
Declination applied to this figure?
 Yes No



PSM 5070



Sketched by: Ibrahim Mizal Mohamed

Scale: Not to scale

Date: 05th July 2012

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CONTROL POINT DETAILS	Station Number: PSM 5071
Coordinate Information	
Geodetic	Grid
WGS 84	UTMNorth-Zone_43 : 72E to 78E
Lat: 4°13'42.56536"N	E: 338242.5740m
Long: 73°32'33.15164"E	N: 467535.4690m
Ellp Height: -85.597	Orth Height: +0.847m from MSL

Date: 30th June 2012

Monument description & method of survey:

The Mark / Stainless steel rod is placed in the top of a concrete block cast in-site having a volume of at least 0.07 cubic meters.

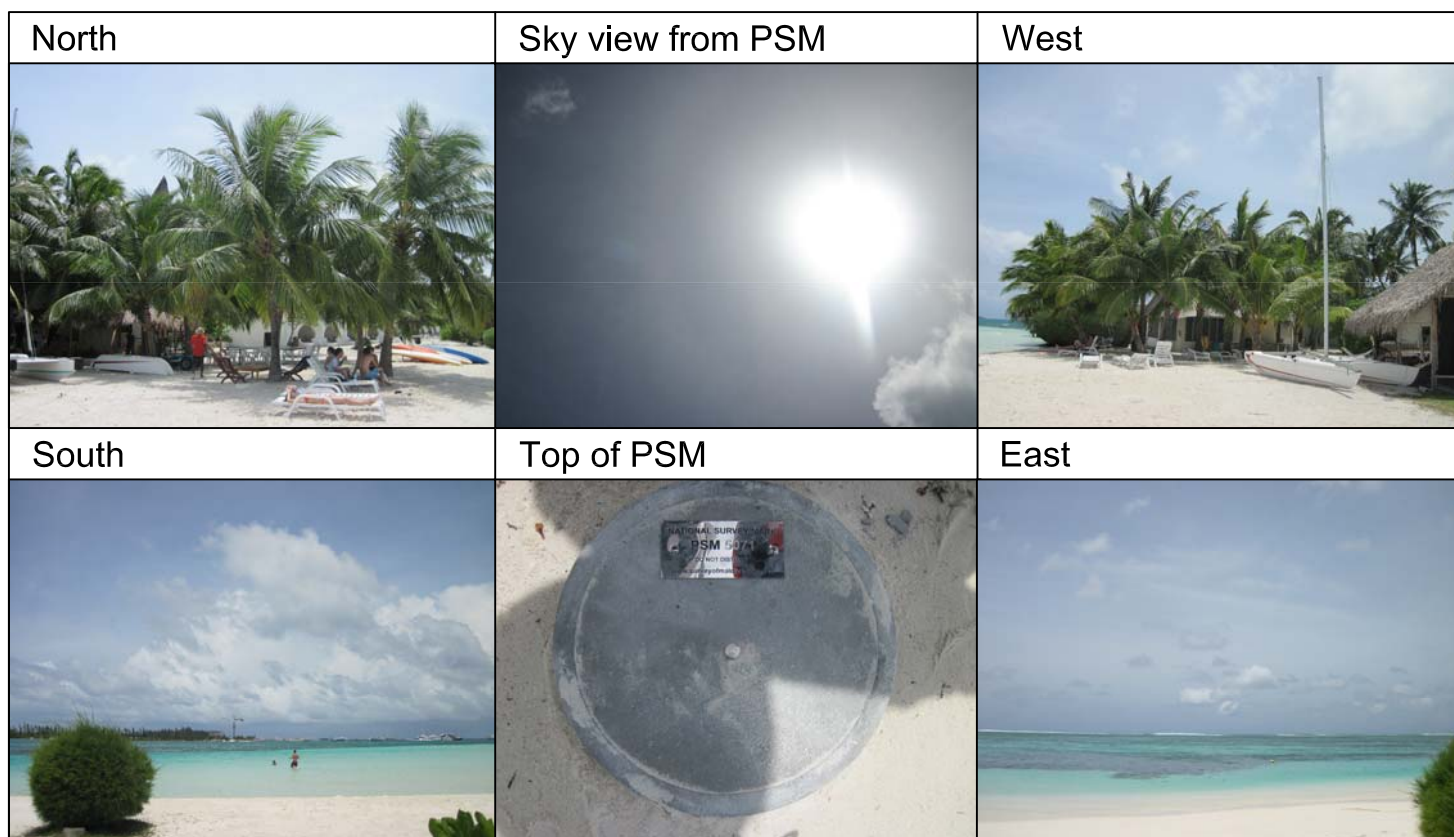
- A stainless steel bar with diameter of 12mm is inserted from the top of the concrete as the mark.
- 1cm of the rod is left above the top surface of the concrete in order to place the levelling staff.
- This rod is about 1.5m long, lengthy enough to reach the hard ground.
- PSM is 150mm above ground level.

The horizontal coordinates (Easting X, Northing Y) of the three PSMs determined by single point localization done for more than minimum hours with two units of Topcon GR-5 Dual frequency GNSS receivers. All PSMs were observed at the same time for static post processing.

General site condition & access:

PSM 5071 is established on the southern side of the island near the water sports center, approximately 15m inside the high tide line and 15m from the corner of the water sports hut. PSM 5071 is established on the high ground away from waves and tide where the ground is stable and compact.

Owner: Gangehi Investments.Pvt.Ltd

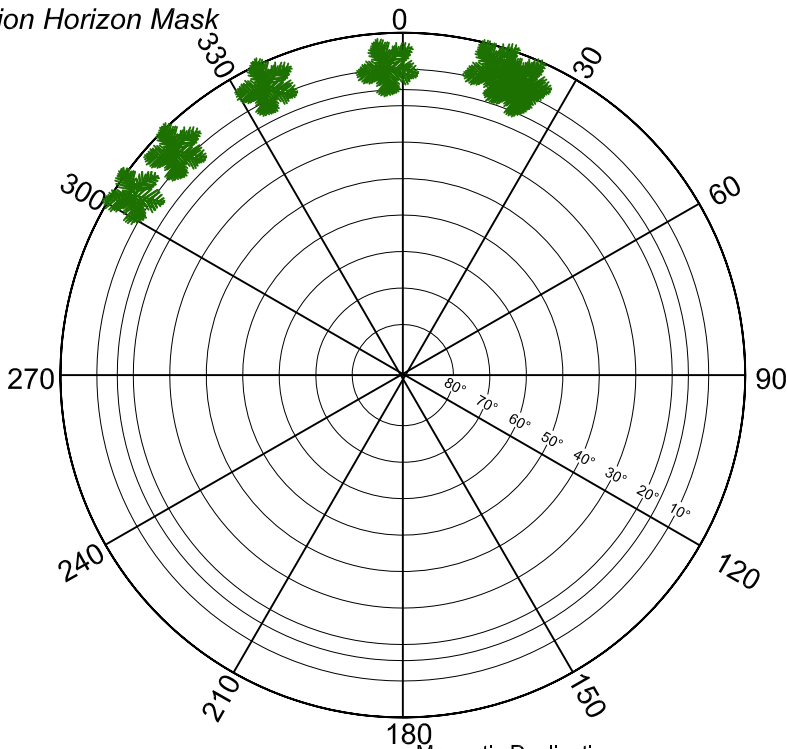


SITE INFORMATION

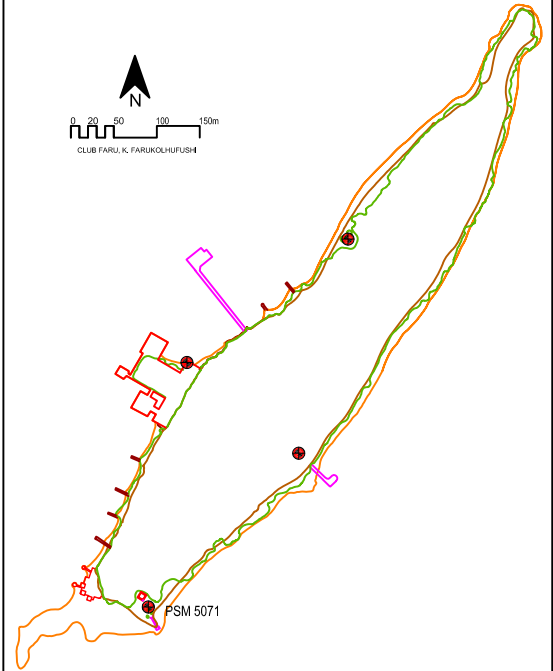
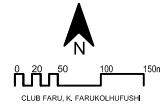
Station Number

P	S	M	5	0	7	1
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Station Horizon Mask



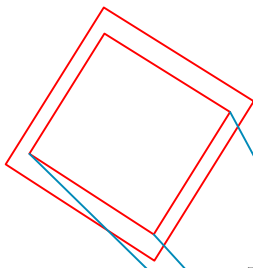
Locality



Height above Marker horizon was mapped from 1.637 m

Magnetic Declination.....
Declination applied to this figure?
 Yes No

Water Sports Storage Hut



Coconut Palm



Coconut Palm



16.40m
314°57'00"

10.38m
322°8'00"

13.96m
315°16'00"

13.09m
33°28'00"

15.42m
46°17'00"



PSM 5071



Sketched by: Ibrahim Mizal Mohamed

Scale: Not to scale

Date: 05th July 2012

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CONTROL POINT DETAILS	Station Number: PSM 5072
Coordinate Information	
Geodetic	Grid
WGS 84	UTMNorth-Zone_43 : 72E to 78E
Lat: 4°13'48.40064"N	E: 338417.6130m
Long: 73°32'38.81721"E	N: 467714.3690m
Ellp Height: -92.397m	Orth Height: +0.811m from MSL

Date: 30th June 2012

Monument description & method of survey:

The Mark / Stainless steel rod is placed in the top of a concrete block cast in-site having a volume of at least 0.07 cubic meters.

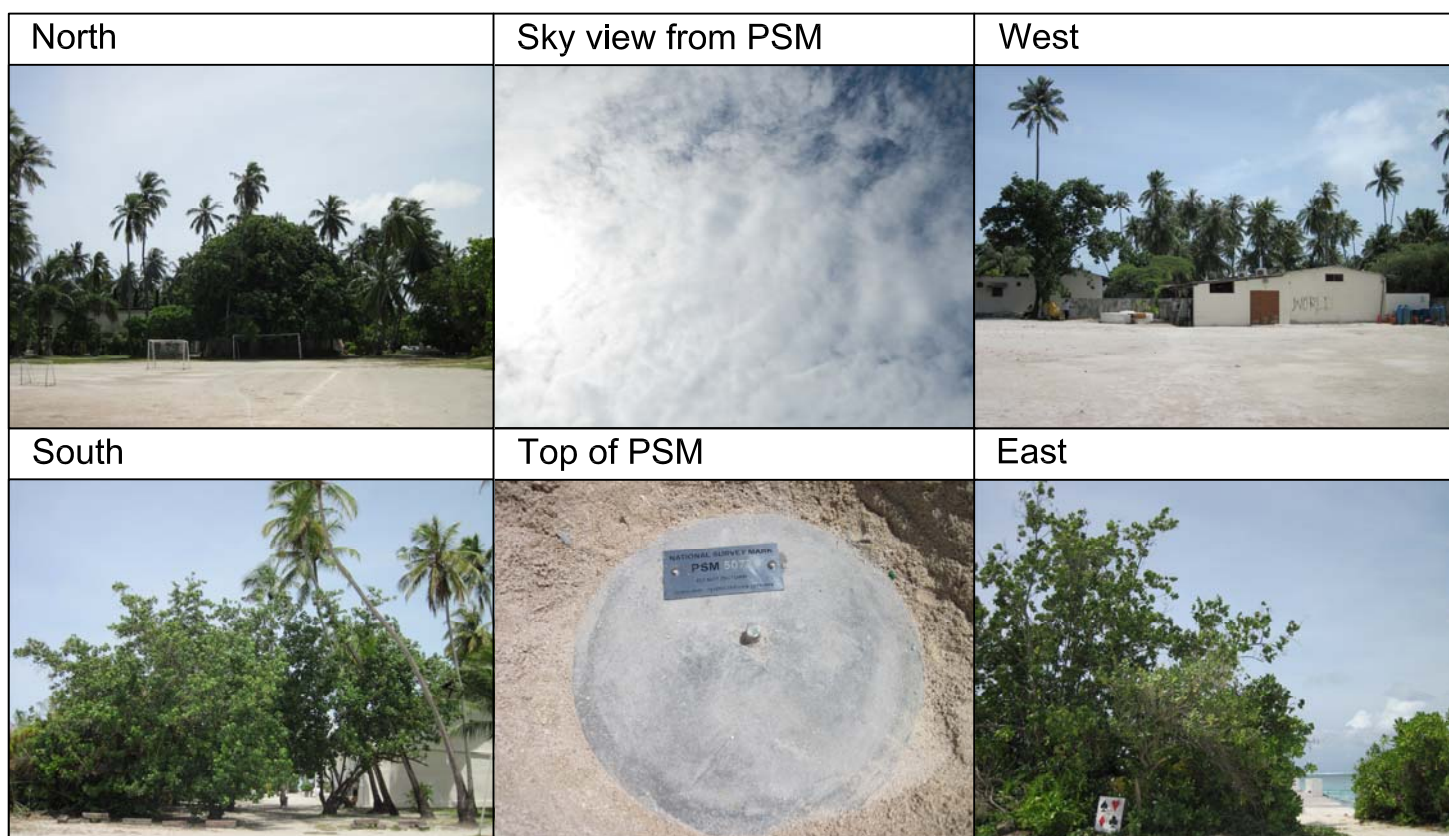
- A stainless steel bar with diameter of 12mm is inserted from the top of the concrete as the mark.
- 1cm of the rod is left above the top surface of the concrete in order to place the levelling staff.
- This rod is about 1.5m long, lengthy enough to reach the hard ground.
- PSM 5072 is below 150mm below the ground level, to meet the recommended specifications for PSMs on urban areas.

The horizontal coordinates (Easting X, Northing Y) of the three PSMs determined by single point localization done for more than minimum hours with two units of Topcon GR-5 Dual frequency GNSS receivers. All PSMs were observed at the same time for static post processing.

General site condition & access:

And PSM 5072 is located on the staff football ground with optimum sky view; therefore PSM 5072 is constructed and established to meet the specification recommended for urban areas.

Owner: Gangehi Investments.Pvt.Ltd



SITE INFORMATION

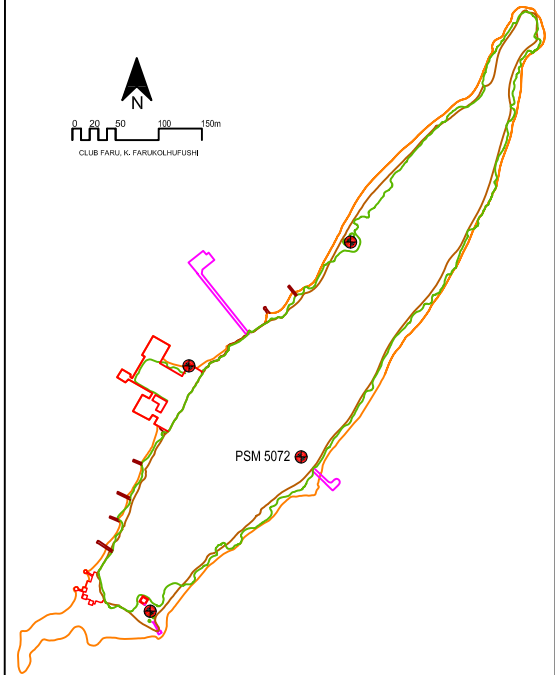
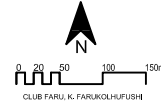
Station Number

P	S	M	5	0	7	2
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Station Horizon Mask

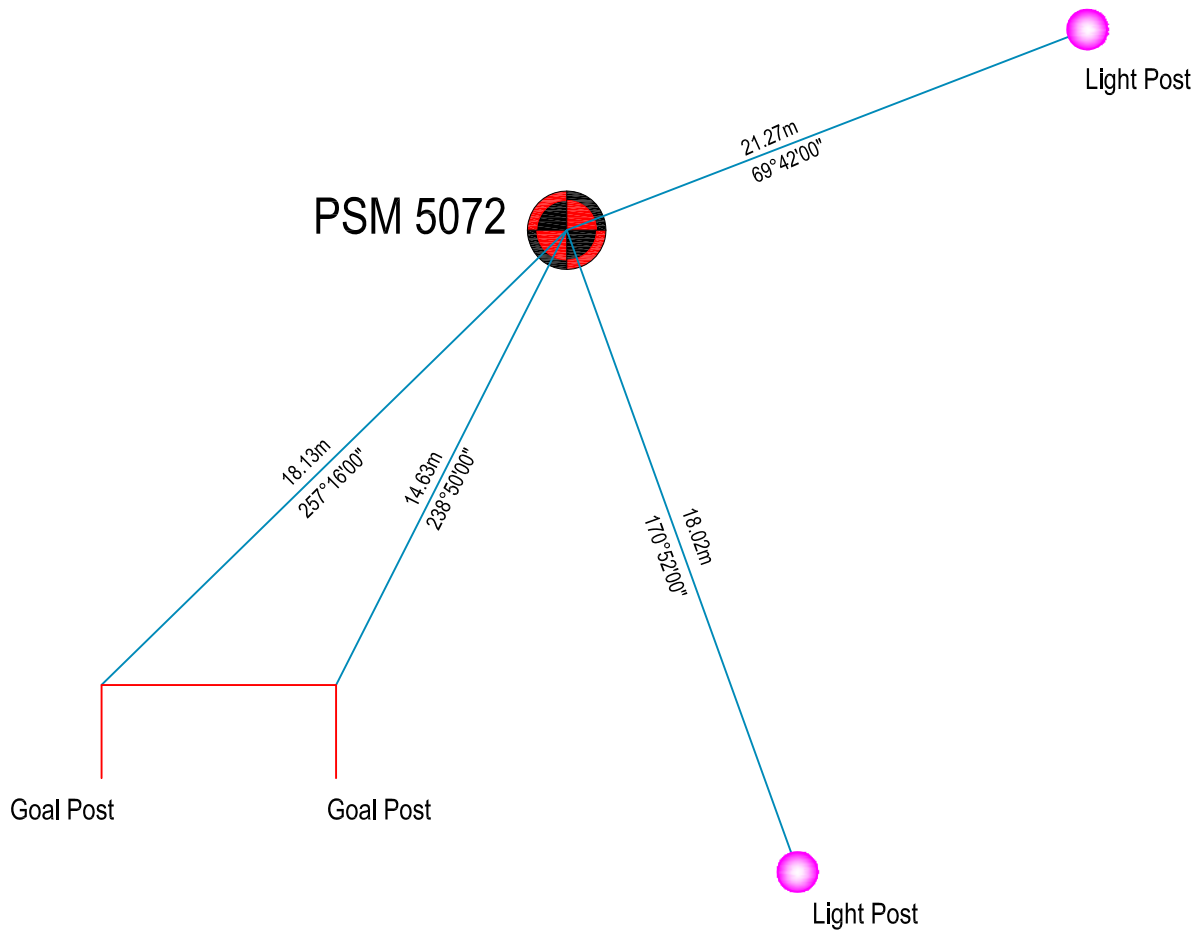
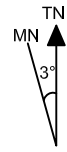


Locality



Height above Marker horizon was mapped from 1.645 m

Magnetic Declination.....
 Declination applied to this figure?
 Yes No



Sketched by: Ibrahim Mizal Mohamed

Scale: Not to scale

Date: 05th July 2012