20/11/2024

SURVEY REPORT

POITETE CAMPUS BOUNDARY SURVEY REPORT

November 2024

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1.0 Introduction

The purpose of this survey is to demarcate out the proposed 18 Ha site for SINU Poitete Campus. The current Poitete campus site is located within Parcel 081-003-106, LOT 106 of LR395/1 under lessor Kololombangara Forest Product Limited (KFPL).

The aim of this exercise is to Sub-Division out the 18Ha portion from parcel 081-003-106 so that SINU Poitete Campus can have a secure land title to pursue its future development plan and expansion for Poitete campus.

1.1 Scope of Work

The following initial meeting between SINU Planning committee and Surveying and spatial Solution Director the following drawings and instructions were issued as part of the scope of works

1. Accurately locate the proposed boundary as per plan issued
2. Boundary on Western Boundary to run along river edge eastern side of river
3. Clearly show bearing and distance and calculated area of new boundary
4. Put permanent mark on all boundary/corner pegs concrete with iron pin
5. Carry out survey calculations acceptable Survey Department to lodge for registration
6. Produce standard map and plan easily readable and acceptable

Figure 1.0 Concept Design Plan

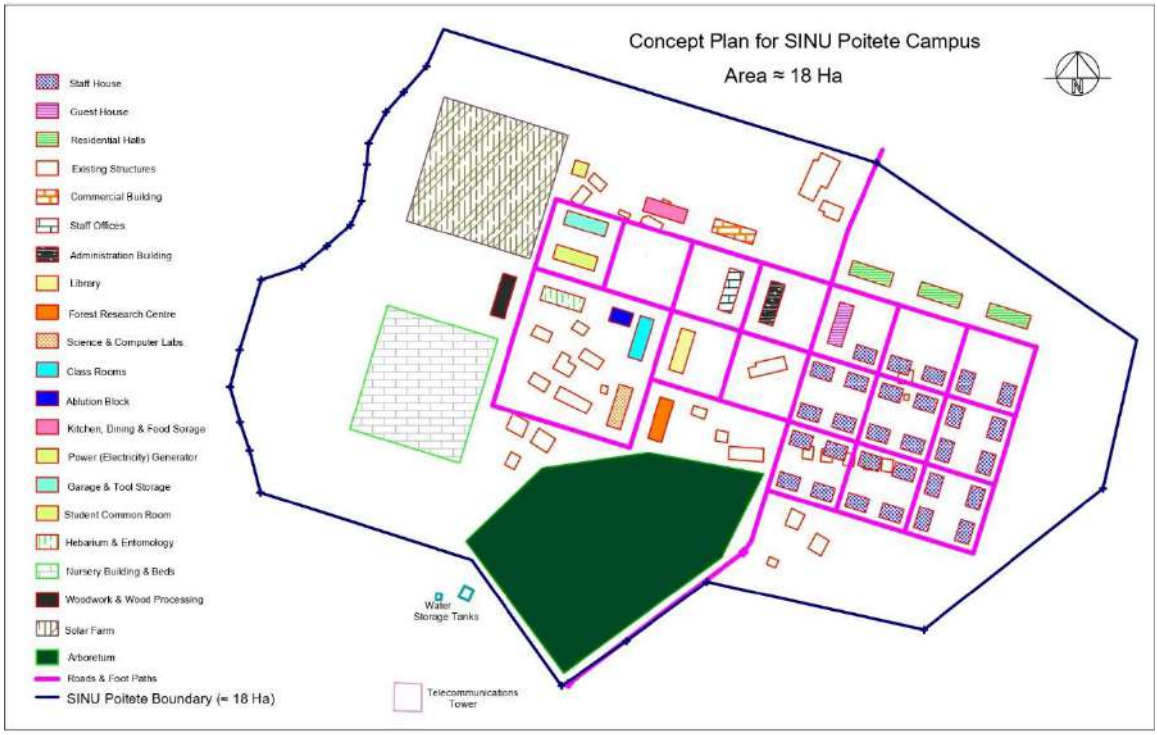


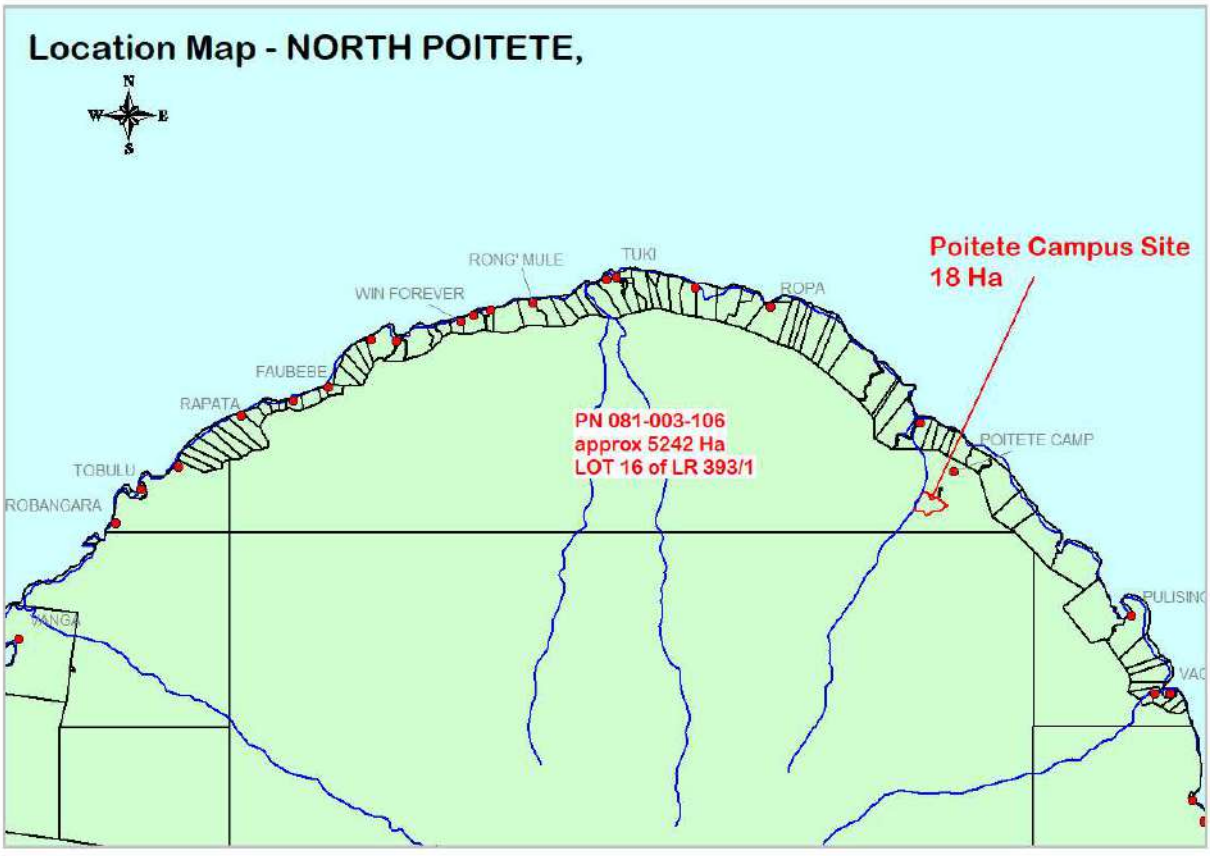
Figure 2.0 Poitete Campus Land

3.0 Location of Site

The location of survey is North Kolombangara, 26km from Ringgi and 51km away from Gizo Town. See figure 3.0 below for location map

Figure 3.0 Location map

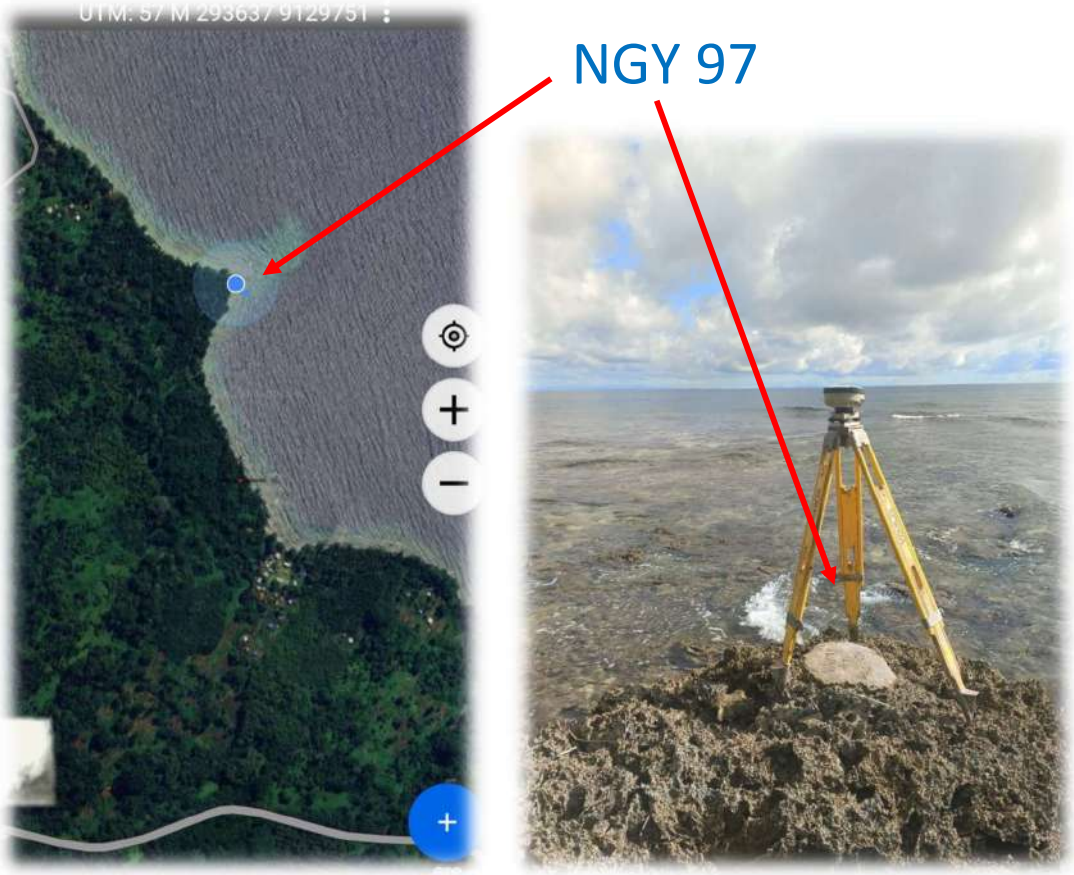
Source: google earth image



3.0 Datum

Location of Survey:	Poitete, North Kolombangara, Western Province
Datum of Origin	GUX1 Astro UTM, Zone 57s NGY97 293524.09mE, 9130955.78mN 0.000m RL
Type of Survey:	Boundary Sub-Division
Special Requirements:	Concrete boundary corner marks cement in iron rod

Figure 4.0 NGY 97 Location



4.0 Survey Methodology

The following survey methodologies were used to carry out boundary survey for sub-dividing Poitete Campus Boundary: -

1 Setup at NGY 97 a Lands Trigonometric Control Station as Base station and fix 2 GPS survey marks PO2 and PO3 using static method

Reduced GPS Coordinates

Points

Name	Ground Northing (m)	Ground Easting (m)	Elevation (m)
NGY97	9130955.760	293524.090	0.000
PO1	9128582.358	293902.968	59.744
PO2	9128582.324	293902.981	59.671
PO3	9128532.478	293828.530	65.445

2. Setup at PO3 and orientate to PO2. Check distance and closure between the two points are within tolerance; a difference of 0.007m was observed and accepted to commence survey.
3. Run traverse closure and fix other boundary marks, PO7, PO8, PO10, PO11, PO12, PO13, PO14, and PO15.
4. SETUP at PO3 and GPS the boundary corner above to cross check position for other anomalies.
5. Commence at PO15 run traverse line along river edge and fix the irregular boundary and close traverse at PO7.
6. Adjust the traverse closure for all traverse lines

Figure 5.0: Traverse Diagram Layout

	
Fixing Boundary using Static method	Traverse run fixing boundary marks

5.0 Result

Figure 6.0 Surveyed Poitete Campus Boundary

Boundary Coordinate Listing

STN	East	North	RL	Description
A664	293628.590	9128635.773	61.099	Edge of River Bank
A669	293606.302	9128611.366	60.917	Edge of River Bank
A690	293598.429	9128556.014	63.351	Edge of River Bank
A696	293603.184	9128529.213	64.663	Edge of River Bank
B63	293604.652	9128491.757	67.323	Edge of River Bank
B68	293598.128	9128480.452	67.510	Edge of River Bank
B100	293644.131	9128658.919	57.064	Edge of River Bank
B108	293673.862	9128670.456	59.069	Edge of River Bank
B116	293658.952	9128669.610	56.154	Edge of River Bank
B281	293728.587	9128785.158	51.186	Edge of River Bank
B283	293733.695	9128789.567	50.863	Edge of River Bank
B284	293714.892	9128778.842	51.319	Edge of River Bank
B287	293703.638	9128768.916	51.982	Edge of River Bank
B291	293732.389	9128796.993	50.698	Edge of River Bank
B295	293737.404	9128819.922	49.798	Edge of River Bank
B40	293596.302	9128570.800	61.328	Edge of River Bank
PO10	294242.963	9128563.792	38.267	Boundary Peg
PO11	293947.440	9128434.498	79.242	Boundary Peg
PO12	293808.753	9128354.827	91.775	Boundary Peg
PO13	293757.779	9128428.124	85.737	Boundary Peg
PO6	293754.101	9128853.967	48.255	Boundary Peg
PO7	294021.693	9128719.925	51.898	Boundary Peg
PO8	294084.060	9128425.238	34.846	Boundary Peg
PO15	293596.332	9128469.582	0.000	Boundary Peg

Figure 7. Boundary Pegs

Boundary Peg PO7

Boundary Peg PO6

6.0 Conclusion

The survey went well and no reported incident. Good support from Poitete campus camp manager and staff.

ANNEXES

1. GPS Survey Reduction
2. Boundary Pegs
3. Survey Maps and Plans

Points

Project Summary

Project name	GPS Reduction
Linear unit	Meters
Projection	UTMSouth-Zone_57 : 156E to 162E

Points

Name	Ground Northing (m)	Ground Easting (m)	Elevation (m)
NGY97	9130955.760	293524.090	0.000
P10	9128563.792	294242.963	38.267
P11	9128434.498	293947.440	79.242
P12	9128354.827	293808.753	91.775
P13	9128428.124	293757.779	85.737
P14	9128465.477	293610.488	70.639
PO1	9128582.358	293902.968	59.744
PO2	9128582.324	293902.981	59.671
PO3	9128532.478	293828.530	65.445
PO4	9128644.436	293649.798	60.166
PO5	9128731.361	293721.801	54.649
PO6	9128853.967	293754.101	48.255
PO7	9128719.925	294021.693	51.898
PO8	9128425.238	294084.060	34.846
PO9	9128436.165	294254.207	52.971

Field Report data report

No Data

GNSS Observations

Name	dN (m)	dE (m)	dHt (m)	Horz RMS	Vert RMS
NGY97−PO1	-2373.402	378.878	59.744	0.004	0.008
NGY97−PO2	-2373.436	378.891	59.671	0.005	0.009
NGY97−PO3	-2423.282	304.440	65.445	0.005	0.008
P10−PO3	-31.314	-414.433	27.178	0.002	0.003
P11−PO3	97.980	-118.910	-13.797	0.007	0.010
P12−PO3	177.651	19.777	-26.330	0.003	0.005
P13−PO3	104.354	70.751	-20.293	0.009	0.013
P14−PO3	67.001	218.042	-5.194	0.004	0.008
PO3−PO4	111.958	-178.732	-5.278	0.002	0.003
PO3−PO5	198.882	-106.729	-10.796	0.005	0.011
PO3−PO6	321.488	-74.429	-17.190	0.004	0.009
PO3−PO7	187.447	193.163	-13.547	0.005	0.010
PO3−PO8	-107.240	255.530	-30.599	*0.666*	*1.145*
PO3−PO9	-96.313	425.677	-12.474	0.004	0.015

DTM Compare

Design	Existing Level	Cut Volume	Fill Volume	Cross Area

No Data

DL Observations

#	Point	BS (m)	SS (m)	FS (m)	Instrument Elevation (m)	Elevation (m)	Distance (m)

No Data

Annex 2: Boundary Pegs

PO6

PO7

PO8

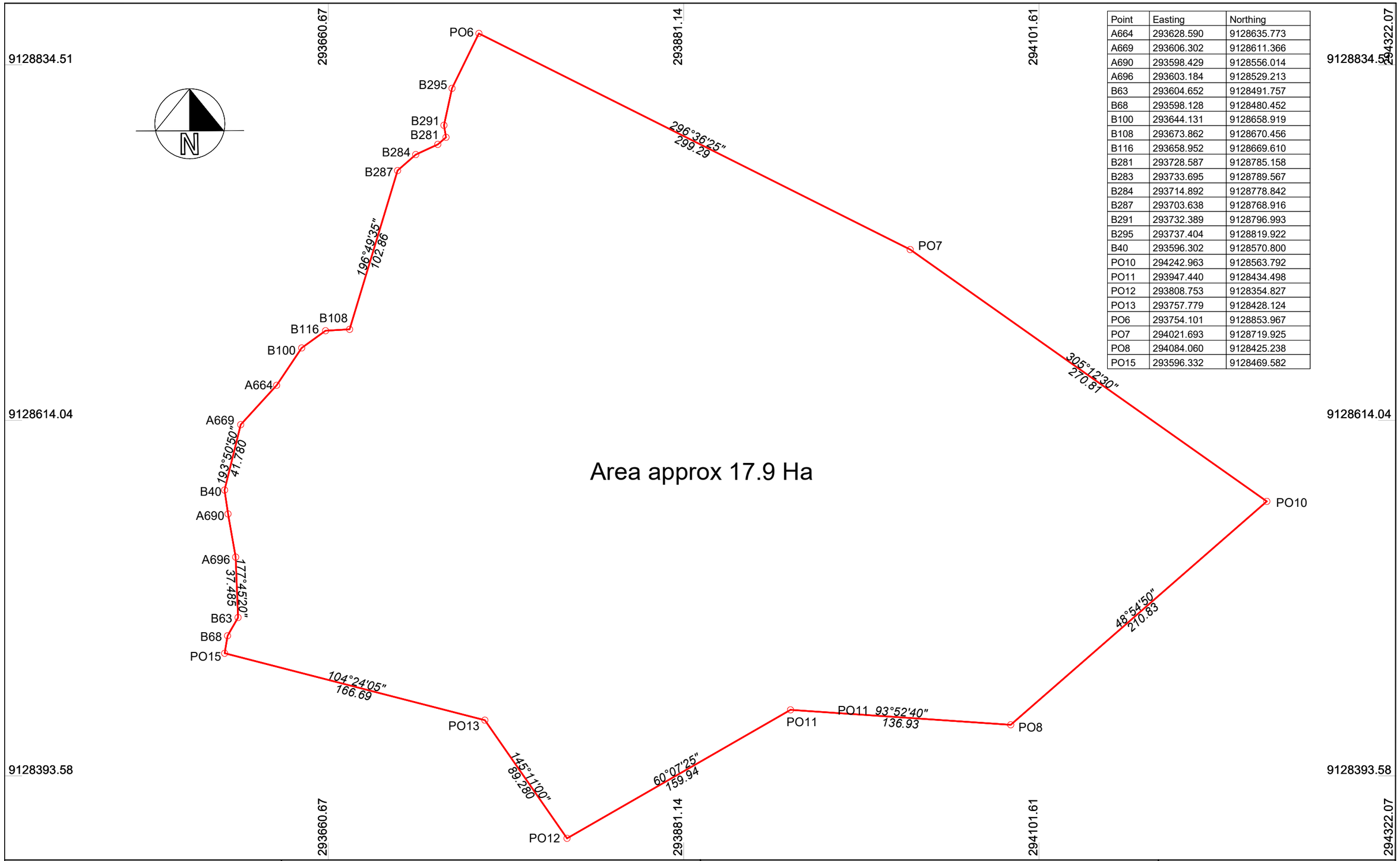
PO10

PO11

PO12

PO15

PO13



Point	Easting	Northing
A664	293628.590	9128635.773
A669	293606.302	9128611.366
A690	293598.429	9128556.014
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Surveyor: Gilmour Pio (Registered Surveyor)
Date 21=11=2024

Contact Details
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Project Name **SINU POITETE CAMPUS LAND DEVELOPMENT**

0 108 217
Datum GUX 1 Atro UTM Zone 57s

Client: SINU SOLOMON ISLANDS NATIONAL UNIVERSITY

Drawing Title **POITETE CAMPUS BOUNDARY SURVEY**

File Ref:

Scale

Location Kolombanagara Western Province

Paper Size A3L

Gilmour Pio (Registered Surveyor)

Date: 21-11-2024

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Project Name Poitete Campus, SINU Proposed Boundary		Datum GUX 1 Astro UTM Zone 57s	Client: SINU Ph 42600 www.sinu.edu.sb
Drawing Title Boundary Survey		**File Ref:**	Scale:
Location Kolombangara, Western Province		**DWG Revision No**	Paper Size