



08/04/2024

SURVEY REPORT

Boundary Identification Survey

Parcel 192-002-131, LOT 41

April 2024



Gilmour Pio Registered Surveyor
Surveying & Spatial Solution
P.O Box R6, Honiara
Ph +677 7478966

1.0 Introduction

The purpose of this survey is identify and verify boundary pegs at the eastern boundary of parcel 192-002-131, LOT 41 at Panatina Campus, a property under lease by Solomon College of Higher Education (SICHE) now SINU.

1.1 Scope of Work

The scope of the survey is to

1. Identify the extend of boundary pegs and replace any missing pegs if not found
2. Identify any major encroachment issues
3. Pickup existing fence line and buildings inside PN 192-002-131
4. Produce readable survey plans

2.0 Location of Site

The location of survey is at the north east boundary Panatina Campus and South east of the new Friendship Hall.

Figure 1.0 Location map



Source: Google Image

Figure 2.0 Site Where Survey is carried out



SINU Eastern Boundary

3.0 Field Survey Team

Gilmour Pio - Surveyor

Lenmour Moveni Pio- Survey Technician

Say Kay - Field Survey Technician

4.0 Instrument and Equipment Used

No	Description
1	Total Station Topcon GM50
1	Tripod Legs, Prism Pole. Tape, Radio
2	Magnet 7.3 software

5.0 Datum

The survey datum used is based on GUX 1 Astro, UTM Zones 57s

Location of Survey:	Panatina Campus, East Honiara
Coordinate of Origin	Coordinate of Origin ST 74A 610,689.73mE, 8,958,004.77mN 75.5m RL
Type of Survey:	Boundary Identification
Special Requirements:	Replace missing boundary and identify any major encroachment issues

Figure 3.0: Survey mark of Origin ST74A



6.0 Survey Methodology

The following survey methodologies were used to carry out the Boundary Identification Survey of parcel 192-002-131.

6.1 Survey Control

The survey control used to commence survey is based on three (3) GPS control survey marks established on site S1, S2 and S3 whose coordinates are describe as per below

Figure 4.0: Coordinate of Origin

Points			
Name	Ground Northing (m)	Ground Easting (m)	Elevation (m)
S1	8958323.056	611031.906	82.39
S2	8958330.701	611103.935	92.08
S3	8958221.736	611060.275	22.399
ST73A	8958005.335	610688.037	36.172

1. Set-up at S1 and orientation done to survey marks S2. Check that difference is within tolerance of 0.005. The distance was measured and difference of 0.008 was noted and accepted to commence survey. A check shot to the third survey mark S# was done with a difference of 0.012 was observed. This gave us the confidence to commence survey of Panatina Eastern boundary

6.2 Topographical survey

Field Data Pickup

The topographical survey was done by radiation technique using Total Station, Horizontal bearing, and Horizontal distance and Difference in height are key data collected for each feature. All data collected were recorded in the instrument data recorder and downloaded directly in Magnet Software for data processing

6.3 Processing Methodology

Processing of data was done using Magnet 7.2 software. Data in the surveying instrument were uploaded directly into Magnet and reduced as shown Figure 4.0 below.

Figure 5.0 Topo Survey



6.4 Boundary Identification Survey

From Lands Department survey records the following coordinates below enclosed property boundary of PN 192-002-131

Table1.0 Boundary Coordinate

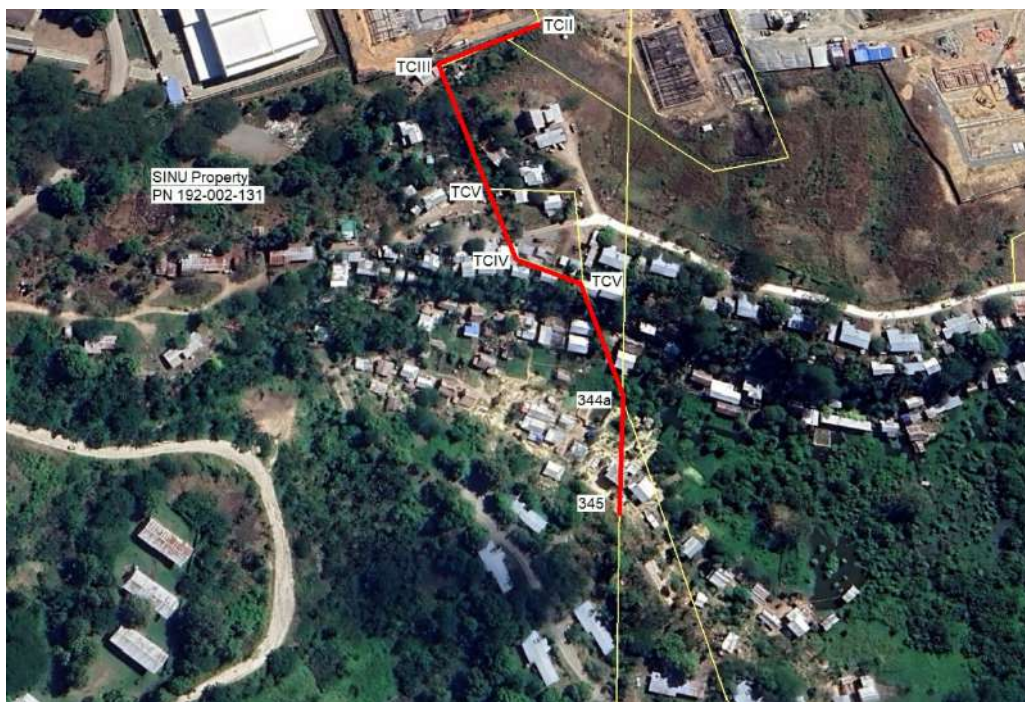
STN	East	North
BT2	610479.10	8957895.33
TEL7	610538.80	8958294.00
TCV11	610526.76	8958371.33
P52	610546.89	8958238.01
P57	610444.77	8958126.95
M18	610433.93	8958017.69
P54A	610521.26	8958233.91
L55	610540.60	8958282.26
P42	610488.02	8958163.22
2	610755.89	8957742.09
444	610761.91	8957741.62
443	610826.88	8957736.63
442	610873.92	8957730.85
441	611097.30	8957703.63
440	611145.56	8957698.08
TCIII	611086.63	8958321.91
TCII	611141.15	8958347.52
TCI	611100.20	8958539.73
TCCX	610622.76	8958397.79
TCIV	611126.15	8958212.66
TCV	611159.38	8958198.18
CJ1	611112.55	8958250.27
439	611148.70	8957740.38
438	611154.46	8957816.03
437	611158.15	8957869.60
436	611166.09	8957983.91
346	611171.16	8958064.97
345	611174.15	8958109.73
344a	611176.43	8958138.33

The boundary identification survey was done by radiation, calculating bearing and distance of boundary pegs to the survey the setup survey mark on site.

The table below is a summary of the boundary identification survey

Table 2.0 Boundary Identification Summary table

Pegs	Easting	Northing	Summary
TCIII	611086.63	8958321.91	Not Found and replaced with Iron pin
TCII	611141.15	8958347.52	Not Found and replaced with Iron pin
TCIV	611126.15	8958212.66	Not Found, Location on top of a building
TCV	611159.38	8958198.18	Not Found, Location on top of a building
CJ1	611112.55	8958250.27	Not Found and replaced with Iron pin
345	611174.15	8958109.73	Not Found location on a wetland
344a	611176.43	8958138.33	Not Found location on a wetland



Replaced Boundary Pegs



TCII replaced with Iron pin



TCIII replaced with Iron pin

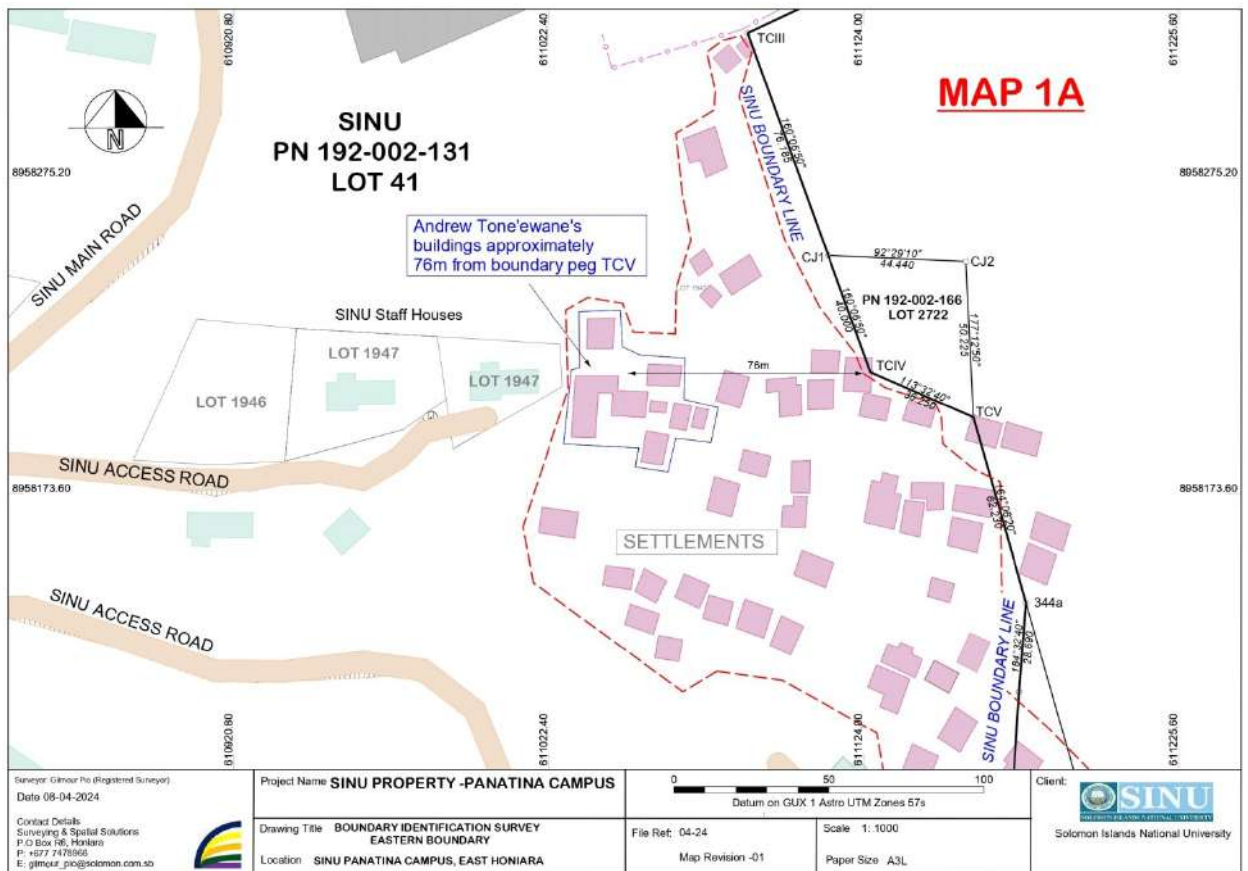


TCV replaced with Iron pin

Encroachments Issues

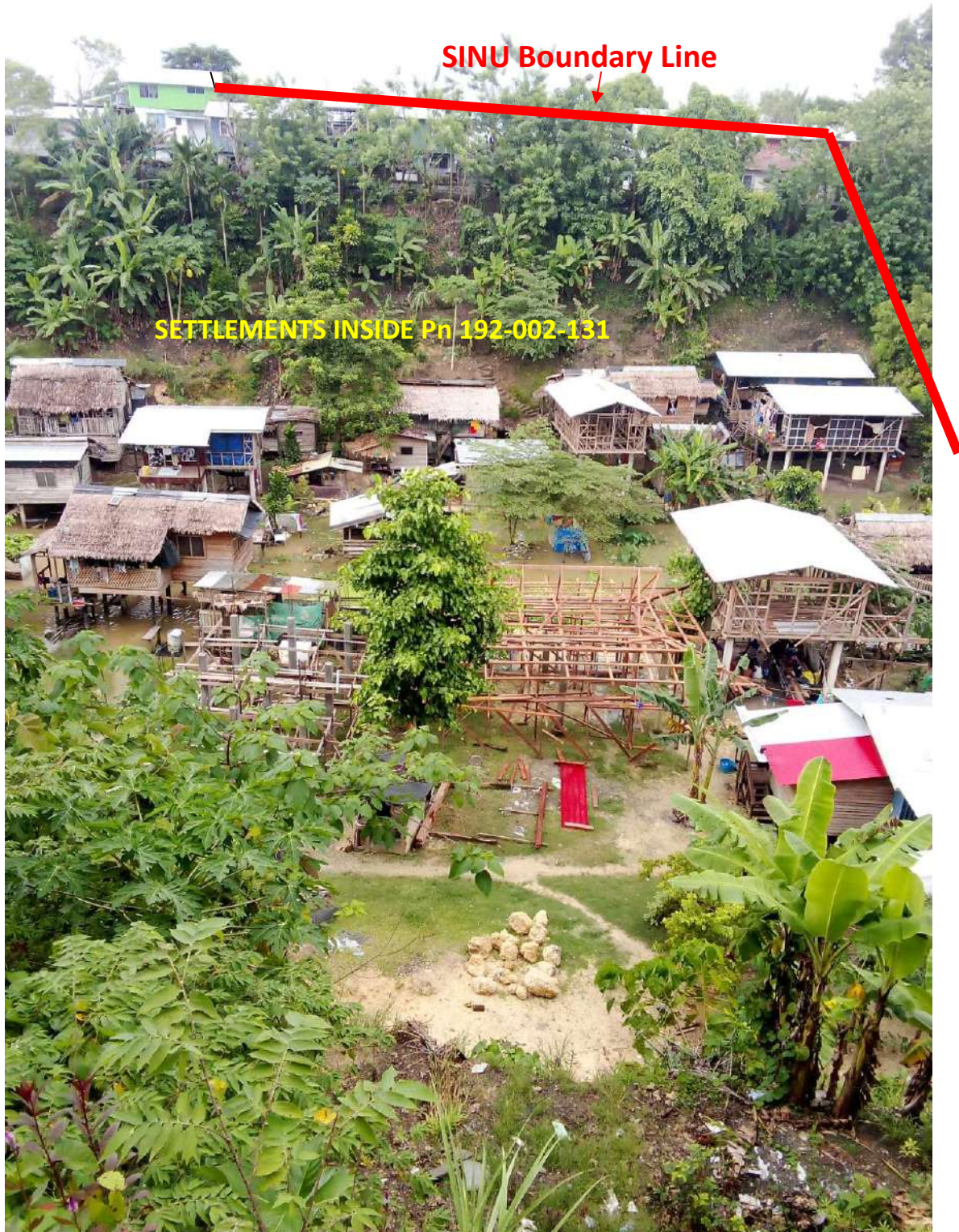
From the Boundary identification survey it was found that there are encroachment issues identified along the eastern boundary of SINU parcel 192-002-131, mostly residential buildings. Fifty (50) permanent, semi-permanent and new building foundations were identified encroaching into parcel 192-002-131.

Figure 6.0: Encroachments PN 192-002-131



The map shows a survey line with several points and distances. The points are labeled TCII, TCIV, and TCV. The distances between the points are 100.00, 16.185, 44.440, 50.225, 177.1250, 164.0630, and 82.330. The map also shows a cluster of buildings, a road, and a river. A north arrow is located in the top left corner. The map is annotated with various labels and measurements, including 'CJ 12° 29' 10" 44.440', '164.0630', '82.330', '344a', 'TCIV', 'TCV', 'TCII', '100.00', '16.185', '50.225', '177.1250', and '164.0630'.

Figure 7.0: Map showing Encroachments



6.0 Conclusion

The survey went well and no reported incident and completed despite disruption from Andrew Tone'ewane's relatives

A handwritten signature in blue ink, appearing to be 'Gilmour Pio', written over a light blue grid background.

Signature

Gilmour Pio
License Surveyor

Annex