

TENDER DOCUMENT

PROJECT: VEGETATION MANAGEMENT

TAVUA INTERCONNECTOR FEEDER

MR 61/2018

COMPULSORY SITE VISIT: 9AM MONDAY 19/02/2018, FEA NAVUTU DEPOT

TENDER CLOSING: 4PM, WEDNESDAY, 28/02/2018

NOTE: TWO COPIES OF TENDER BID ARE TO BE SUBMITTED

1. Scope of Works

Tenders are invited for Vegetation Management Works on Tavua Interconnector Feeder. Bids are to be submitted for stages as tabulated below:

Stage	Location	Price (VIP)
1	Part of Kings Road from Tavua Town to Yaqara, Nabuna, Mataniwai, Korovou Cemetery, Rabulu Road, Rabulu Village, Whole of Yaqara Area, Whole of Naseyani Rd, Yaqara Communication Site, Whole of Naseyani Village, Whole of Nananu Village, Whole of Vitivanua Village, Whole of Drauniivi Village, Drauniivi School, Drauniivi Fiji Pine Station, Drauniivi Settlement, Whole of Togovere Village, Whole of Togovere Area Isolation Points: I351R-S231- S232-S336-S341 (Main line including all HV and LV tee-offs)	
2	Part of Nadarivatu Road, Whole of Korovou Village, Part of Korovou, Area, Whole of Balata area, Balata High School, Balata Indian School, Whole of Draumasi Road, Part of Lakalaka, Whole of Naim Road, Whole of Davota area, Davota Indian School, Whole of Rakavidi Road. Whole of Malele Road, Vodafone Repeater Station – Malele Isolation Point: F5087-EOL (Main line including HV and LV tee-offs)	
3	Part of Kings Road from Nanuku to Rakiraki Town, Narewa Village, Whole of Vitawa, Vitawa Village, Whole of Nanuku, Naivuvuni Village, Akbar Bus Transport Garage, Bhīma's Yard, Uluinavatu Cemetery, Whole of Wairuku, Wairuku Primary and Secondary School, FSC Research Station, Almadina Road, Ducui Road, Nanuku FSC Sector Office, Wailevu, Nanuku Secondary & Primary School, Vunitogoloa Village, Vunitogoloa Nursing Station, Navatu Fijian School, Namajoba Telecom Repeater Isolation Points: S341-I380-S289-I382 (Main line including HV and LV tee-offs)	

Note:

- a) Vegetation clearing to be carried out within 30m of Fiji Electricity Authority (FEA) power lines, and any other tree specifically identified during the site visit. Bid shall include clearing of vegetation debris from work site.
- b) All required HSE documents need to be submitted as part of Contractors bid.
- c) Clear ALL vegetation growth where possible by the root/ground
- d) Clear ALL cut trees, branches and debris.
- e) Pole base clearing for poles and ground/fly stay of all creepers and grass for each pole 3mtr x 3mtr. Spraying of weedicide to also be carried out around pole and stay bases in all 3 rounds of VM.
- f) Vegetation Management will be done in 3 rounds;
 - a. 1st round – 10mtr cleared from either side of line with all undergrowth within 1st 6months of issue of LPO
 - b. 2nd round – 20mtr cleared from either side of line with all undergrowth between the 7th and 12th month of issue of LPO
 - c. 3rd round – 30mtr cleared from either side of line with all undergrowth the 13th and 18th month of issue of LPO

2. Commencement and Completion of Works

- a) Latest date for commencement of the works: 30 days from issue of LPO.
- b) Date for final completion of the works: 547 days from issue of LPO (1 and ½ yr contract).

3. For the purpose of supervising the contract on behalf of the Authority, references in the General Conditions to the Authority shall include the Unit Leader Distribution Western or his designated officer. The Project Manager shall be the Unit Leader Distribution Western and the Project Engineer shall be the Distribution Engineer Western. The Project Supervisor shall be assigned prior to the Induction.

4. Insurance

- | | | |
|-----|-----------------------|------------|
| (a) | Contractor's risk | \$500,000. |
| (b) | Public Liability | \$500,000. |
| (c) | Worker's Compensation | \$250,000. |

The contractor shall indemnify FEA against any claims for liability, injuries, losses, damages etc that may arise during the execution of the works.

5. Liquidated and ascertained damages

Agreed liquidated damages (LDs) shall be payable by the Contractor for failure to achieve the required **Time of Completion** or by any extended time allowed by the FEA. The Agreed liquidated damages will be \$200.00 per day of delay.

Any extension of time will be agreed upon by The Project Manager and the Contractor. Such extension of time will be reduced in writing and communicated to the Contractor by FEA.

6. Defects Liability period

Defect liability period shall be 6 months from the completion of the work.

7. Retention Fund

- | | |
|--------------------------------|-----|
| (a) Limit of retention fund: | Nil |
| (b) Nature of retention fund: | N/A |
| (c) Release of retention fund: | N/A |

8. CONTRACTOR REQUIREMENTS

- a) **Tender Bid** – Contractor shall submit a firm bid clearly indicating a lump sum VIP price.
- b) **Site Visit** – Contractor shall participate in a site visit which is compulsory. Bids from tenderers who do not participate in the site visit shall be disqualified.
- c) **Standards** – All vegetation management work shall be in compliance with FEA Vegetation Management Policy.
- d) **Vegetation clearing** –. Vegetation, which at a mature height will exceed 2m in height and will be within falling distance from the FEA lines are to be removed. ***Vegetation debris shall be disposed off neatly at a location agreed to by FEA. No debris shall be left by the roadside, or blocking drains. In the event vegetation is not disposed of promptly, FEA shall organize alternative contractors to dispose the same and the cost shall be deducted from the contract sum.***
- e) **Safety Plan** – The tender bid shall include a Safety Plan that will be evaluated by the FEA's HSE Unit. Tender bids with incomplete, unacceptable, or without a Safety Plan will not be considered for award.
- f) **Safety Record** – Tender bid shall include a brief report on Safety performance over the last two years. The report shall include all incidents and accidents.

- g) **Sub-contracting** – Subcontracting shall not be permitted, except where this is specifically presented in the tender bid, and only upon approval by FEA. Subcontractors shall be required to fulfil all requirements as if they were the contractor.
- h) **Scope of works** - Work involved in this contract is broadly classified into two phases, and progress payments shall be processed accordingly.
 - i) Vegetation Clearing
 - ii) Disposal of vegetation debris
- i) **Contact** - Contractor shall have a valid postal address, Office phone/fax/e-mail contact. The Principal shall be available by mobile phone at any time.
- j) **Work Program** - Contractor shall submit a work programme before starting of project. This shall be part of the contract. Work shall commence within thirty (30) days after receiving an official FEA Local Purchase Order.
- k) **Training** – Contractor shall ensure his employees have attended training on the following within the past 6 months :
 - FEA Safety Manual Training
 - FEA Vegetation Management Policy,

and records of this shall be submitted with the tender bid. In the event that the training has not been carried out, the Contractor shall ensure these training are carried **PRIOR** to induction for new project.
- l) **Chainsaw Operator** – Contractor shall ensure that the project has one Certified Chainsaw Operator certified by the Department of Forests. Records of these personnel shall be submitted with the tender bid.
- m) **Invoicing** – Contractor shall submit details of work completed to allow prompt approval of invoice.
- n) **Safety Induction** - A Safety induction must be conducted before start of vegetation management work. **Contractor shall ensure that all employees who work on the project attend the Safety Induction. All contractor employees are to present a valid company ID card clearly showing a current photo, employee name, employee date of birth and employee job description.**
- o) **Instruction to Commence Work** - Contractor shall NOT commence work on site unless an “Instruction to Commence Work” has been received from the Project Manager.
- p) **Signboards** - One signboard (6’X 4’) must be erected at the start of the works and

one at the end of the works clearly stating :

DANGER

PROJECT: VEGETATION MANAGEMENT– Home of Compassion Feeder

CONTRACTOR:

VEGETATION MANAGEMENT WORK.

Driver please reduces speed.

Pedestrians please use other footpath/side of road

THANKS

All other signboards must be placed at appropriate locations as per FRA requirements.

- q) **Accident Reporting** – All accidents and incidents shall be reported immediately to FEA using approved forms available in the FEA Safety Plan Template, or equivalent.
- r) **Project Updates** - Contractor shall meet with FEA Project Manager, Project Engineer and Project Supervisor on a weekly basis to discuss project progress and bottlenecks. These meetings shall be minuted for records, and circulated to the appropriate stakeholders.
- s) **Tidiness** – The Contractor shall maintain the worksite in a neat and tidy condition.
- t) **Consent for Vegetation clearing** – no vegetation shall be cleared unless specific instruction to do so has been received from the Project Supervisor. Notwithstanding this, the contractor shall inform the tree owner that he is required to clear the tree, and shall obtain the owner's confirmation that he has five FEA his consent to remove the tree, prior to proceeding with cutting the tree.
- u) **Fires** – No fires are to be lit at jobsites for the purpose of clearing vegetation or vegetation debris.
- v) **Village Protocols** – the contractor shall comply with protocols involved in working on land owned by Indigenous Fijians to ensure smooth work progress.
- w) **Damage to property** – The Contractor shall ensure that there is no damage to roadways, footpaths, drains, water-courses, properties and other services. The Contractor shall make good to the satisfaction to the owner any damage caused by the contractor at their cost.

- x) **Portable signboards** - Portable signboards must be placed at 50m intervals.
- y) **Traffic and Pedestrian Control** – The Contractor shall ensure that there is minimum disruption to the flow of traffic and pedestrian. FEA procedures on Traffic Control and Pedestrian Control shall be diligently exercised.
- z) **Worksite protection** - Bollards/cone must be placed at 10m intervals.
- aa) **Jobsite Safety Assessment** - Contractor to carry out Jobsite Safety Assessment daily, and as and when required, and submit these to FEA on a weekly basis.
- bb) **Contractor HSE Compliance** - Contractor shall comply with FEA/Contractor HSE Manual at all times.
- cc) **Defects Rectification** – The contractor shall rectify all defects within seven (7) days as per contract.
- dd) **Project completion** – The contractor shall complete work on time as per contract.
- ee) **Project progress** – If the Contractor fails to proceed with the works with reasonable diligence or suspends the works or refuses to comply with the reasonable direction from FEA by reason of which the works are materially affected and any such default continues for a period of seven (7) days after the issue of written notice, FEA may itself call any other person to complete the works at the Contractor's risk and expense.
- ff) **FEA/Contractor HSE Manual** - Contractor shall comply with FEA/Contractor HSE Manual at all times.
- gg) **Departure from tender specification** – the contractor shall specifically state any departures from the FEA tender specifications. Note that departures will result in the tender bid being disqualified.

9. FEA Requirements

- a) FEA's HSE Unit shall vet Safety Plan submitted by Contractor and approve after queries clarified by Contractor.
- b) FEA Project Supervisor and Project Engineer shall carry out regular site inspections to ensure compliance with HSE requirements, and submit Safety Visit Reports of the visit.
- c) FEA Project Supervisor and Project Engineer shall issue Non-Conformance Report if required, and follow up for verification of implementation of Action Items arising out of the Non-Conformance Report.

10. PAYMENT SCHEDULE

Payment shall be made as per payment schedule:

Phase	Description	Percentage payment
1	First Progress Payment (50% completion of work – round 1)	15%
2	Second Progress Payment (100% completion of work – round 1)	15%
3	Third Progress Payment (50% completion of work – round 2)	15%
4	Fourth Progress Payment (100% completion of work – round 2)	15%
5	Fifth Progress Payment (50% completion of work – round 3)	20%
6	Sixth Progress Payment (100% completion of work – round 3)	20%
7	Retention	zero

Progress payments may be made, but shall not exceed the value of work completed.

TECHNICAL EVALUATION CRITERIA

The following table is to be filled and returned with tender bid.

Criteria	FEA Requirement	Bidder's Reply
Experience with FEA	At least 2 VM jobs done	
Capability to complete task (Labour names with details)	1 chainsaw operator with 5 other VM authorized personnel per team	
Insurance Policy	Contractors risk - \$500K Public Liability - \$500k Worker's Compensation - \$250k	
FEA Contractor Tender HSE Management system Questionnaire - HSE41C02	Complete and return document	
FEA Contractor Health and Safety Plan - HSE41C04	Complete and return document	
FEA Contractor JSA & Risk Assessment Form - HSE41C11	Complete and return document	
Contractor Plant and Equipment Register - HSE41C12	Complete and return document	

Clearing of all VM debris	All VM debris to be cleared and disposed at a location agreed by FEA	
3 Rounds of VM (Clause 1 part f)	Compliance with 3 rounds of VM	
3 rounds of spraying (Clause 1 part e)	Compliance with 3 rounds of spraying	
Chainsaw Operator Certificate	Copies of certificate to be provided	
VM Certificate	All VM ID card copies with detail required for staff expected to carry out VM	
Site Visit Attended	Compulsory for site visit	
Fiji Revenue & Customs Service Tax Compliance Certificate to be given with bid	Compulsory document to be submitted with bid	
FNPF compliance certificate to be given with bid	Compulsory document to be submitted with bid	

Tender submission

Two (2) hard copies of the tender bids in sealed envelope shall be deposited in the tender box located at the Supply Chain Office at the FEA Head Office, 2 Marlow Street, Suva, Fiji.

Courier charges for delivery of Tender Document must be paid by the bidders.

This tender closes at 4:00pm on Wednesday, 28th February 2018. Any request for extension of the closing date by the bidders must be made 24hrs prior to the current closing date. It is the prerogative of the FEA to either accept or decline the request.

Sites visits shall be held as follows:

	Feeder Name	Site Visit Dates
	Tavua Interconnector	19/02/2018

Each tender shall be sealed in an envelope with:

The envelope bearing only the following marking:

Tender NO. MR 61/2017 - Vegetation Management for Tavua Interconnector Feeder
The Secretary, Tender Committee
Fiji Electricity Authority
Supply Chain Office
Private Mail Bag, Suva

It must also indicate the name and address of the tenderer on the reverse of the envelope.

All late tenders, unmarked envelopes and envelopes without bidder's name and address on the reverse will be returned to the Tenderers unopened.

For further information or clarification please contact our Supply Chain Office on phone (+679) 3224360 or (+679) 9991587.

TENDER SUBMISSION CHECK LIST

The Bidders must ensure that the details and documentation mention below must submitted as part of their tender Bid

Tender Number _____

Tender Name _____

1. Full Company Name: _____

(Attach copy of Registration Certificate)

2. Director/Owner(s): _____

3. Postal Address: _____

4. Phone Contact: _____

5. Fax Number: _____

6. Email address: _____

7. Office Location: _____

8. TIN Number: _____

(Attach copy of the VAT/TIN Registration Certificate - Local Bidders Only)

9. Company Registration Number: _____

(Attach copy of the Business License)

10. FNPF Employer Registration Number: _____

(For Local Bidders only)

11. Contact Person: _____

I declare that all the above information is correct.

Name: _____

Position: _____

Sign: _____

Date: _____

NOTE: GIS IS AN INDICATION ONLY - AREAS AS PER SCOPE OF WORKS CLAUSE 1 ARE TO BE CONSIDERED

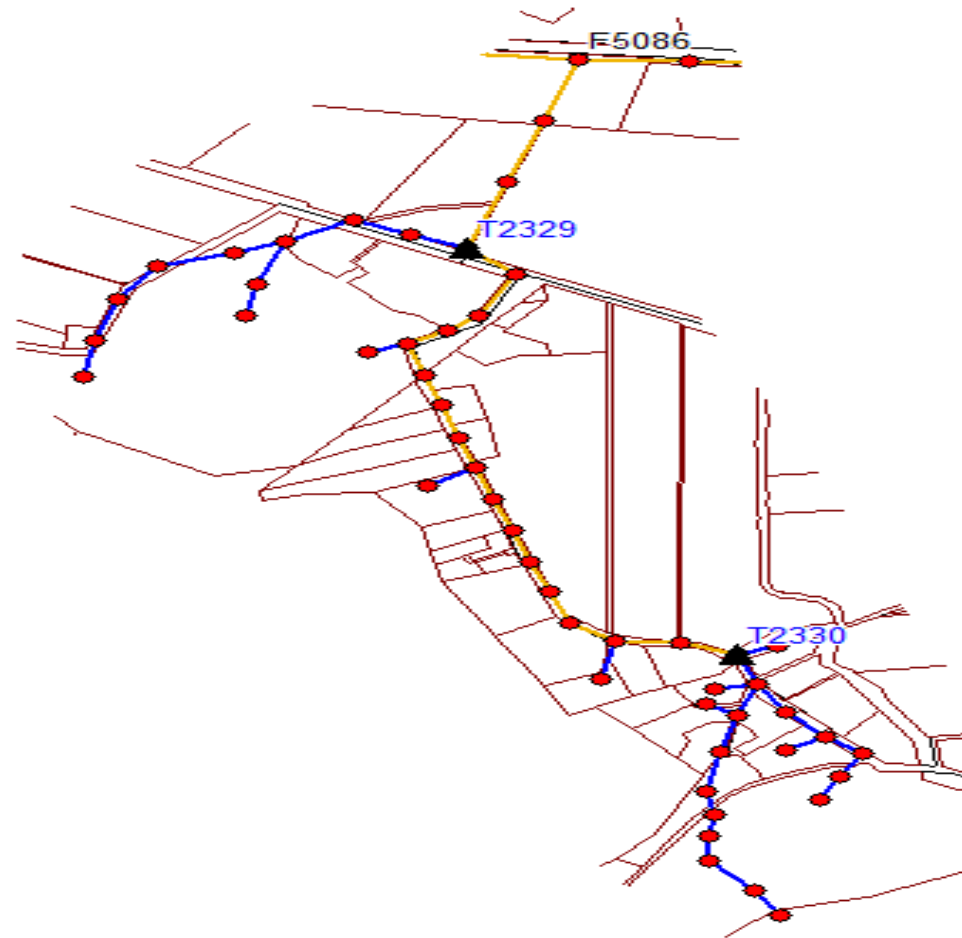
Stage 1- Part of Kings Road from Tavua Town to Yaqara, Nabuna, Mataniwai, Korovou Cemetery, Rabulu Road, Rabulu Village, Whole of Yaqara Area, Whole of Naseyani Rd, Yaqara Communication Site, Whole of Naseyani Village, Whole of Nananu Village, Whole of Vitivanua Village, Whole of Drauniivi Village, Drauniivi School, Drauniivi Fiji Pine Station, Drauniivi Settlement, Whole of Togovere Village, Whole of Togovere Area

Stage 1- (I351R-S231- S232-S336-S341- Main line including all HV and LV tee-offs) (Page 12- Page 23)

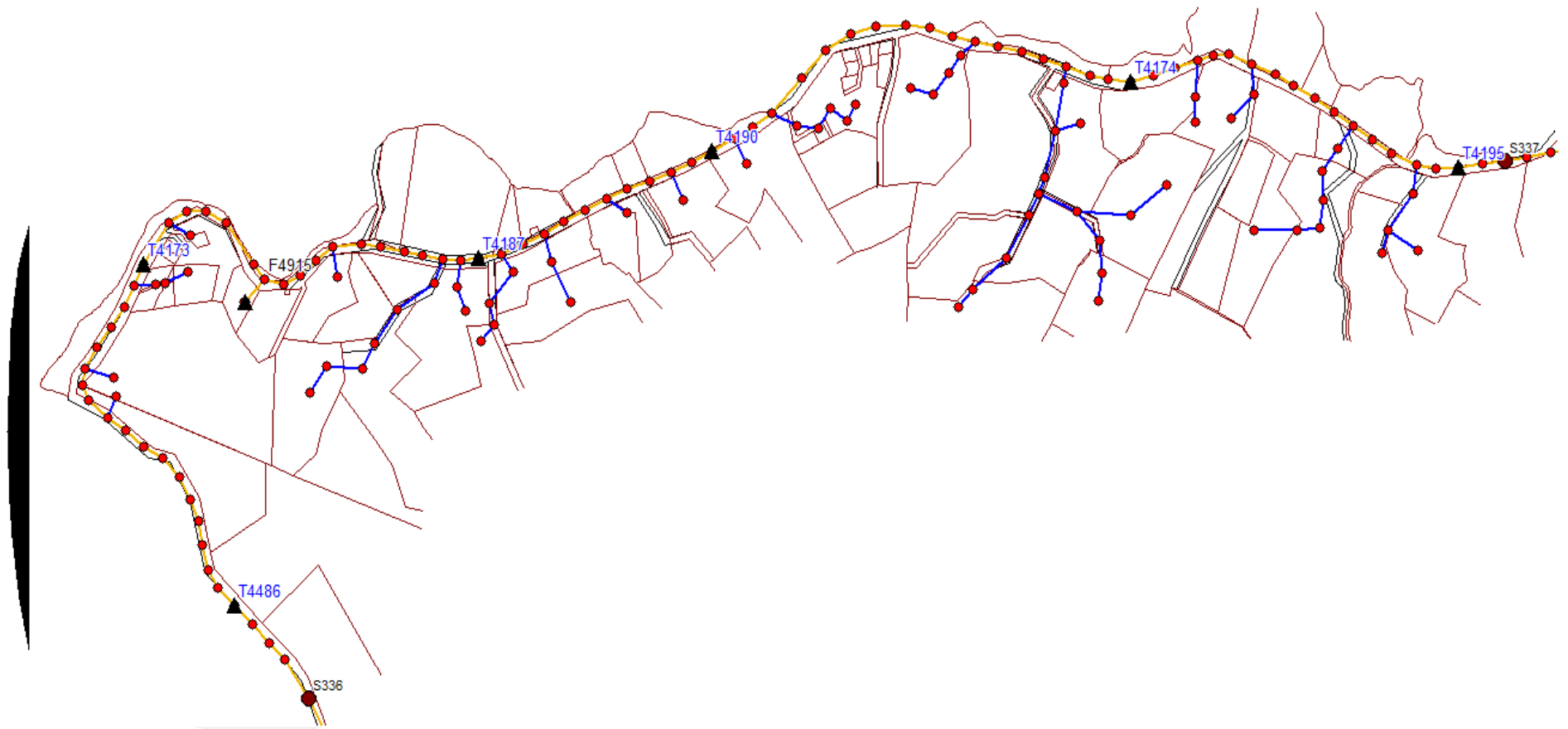
I351- S231-S232-S336-F5086 (Tavua Town End- Nabuna Flats-Korovou)



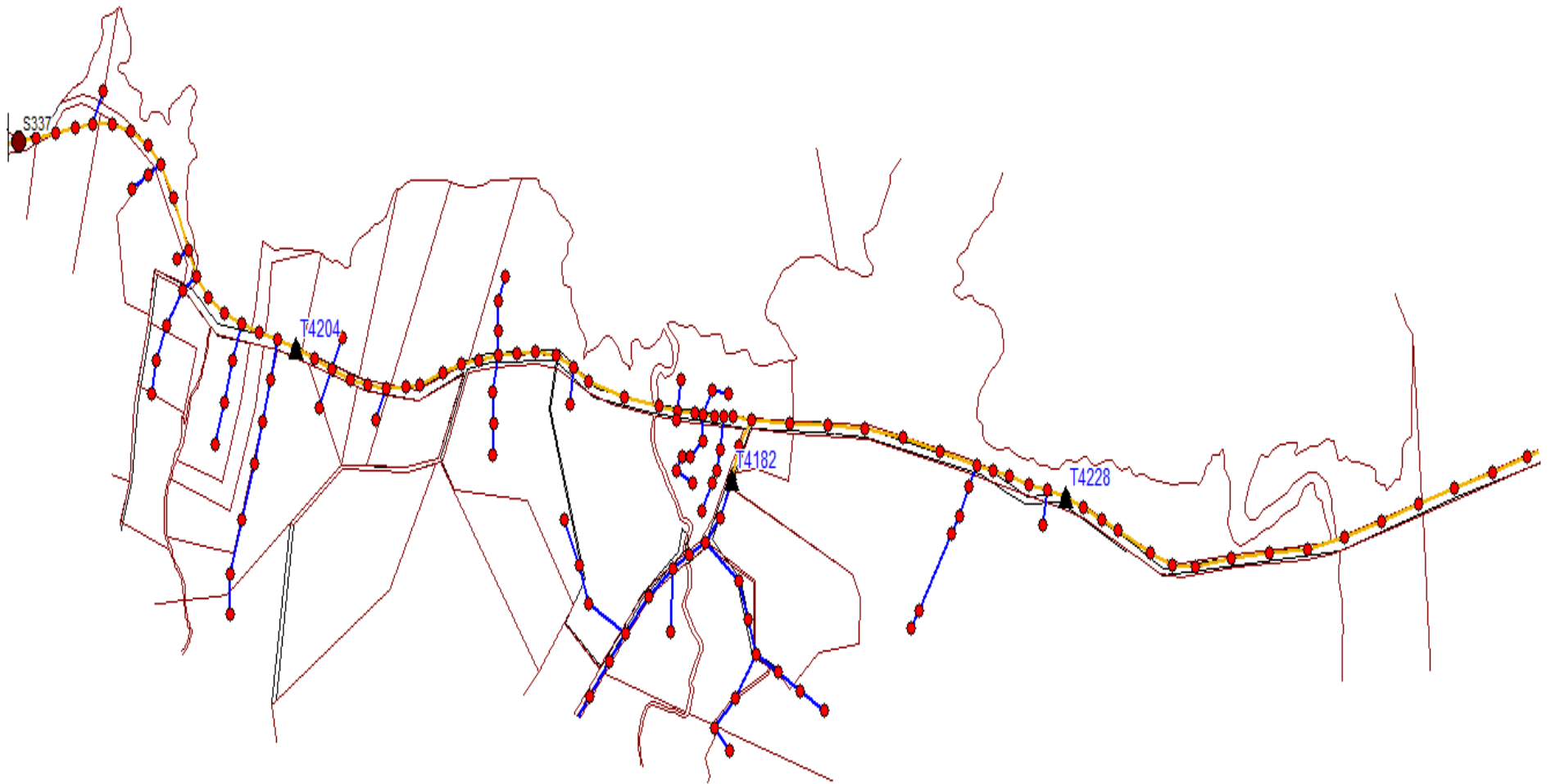
F5086- Mataniwai



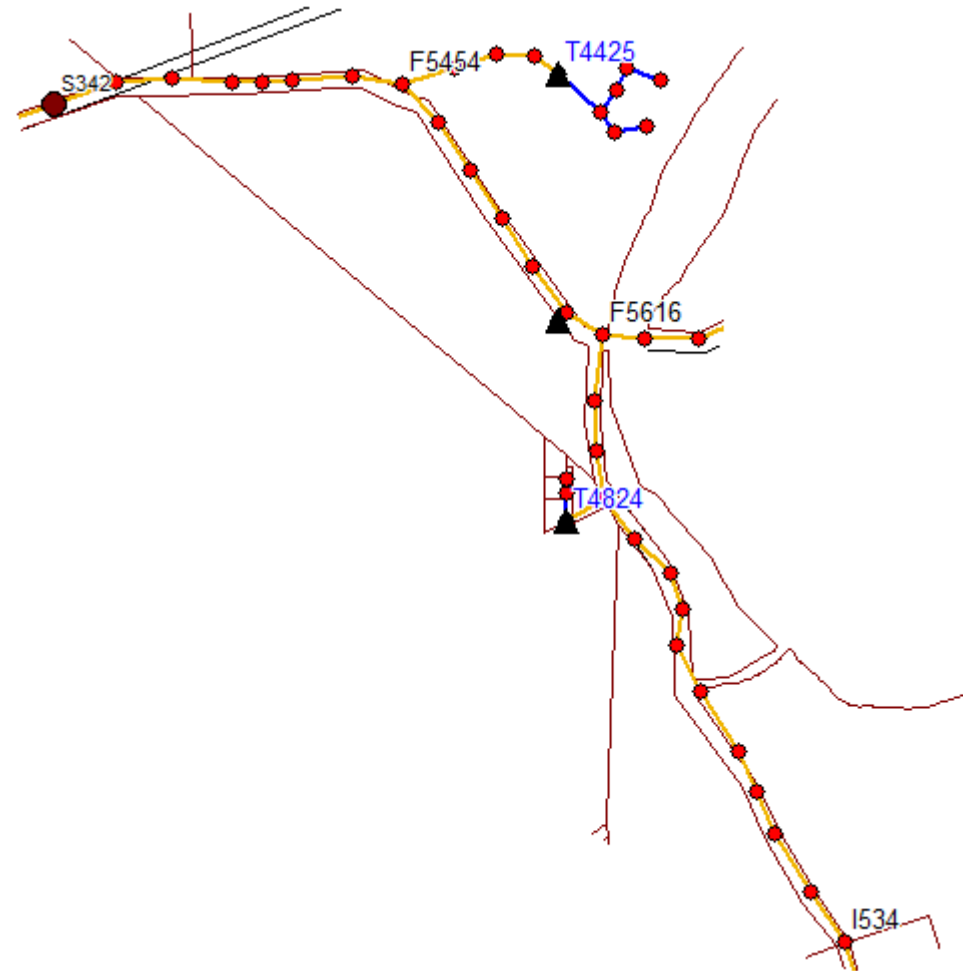
S336- S337 (Korovou- Rabulu)



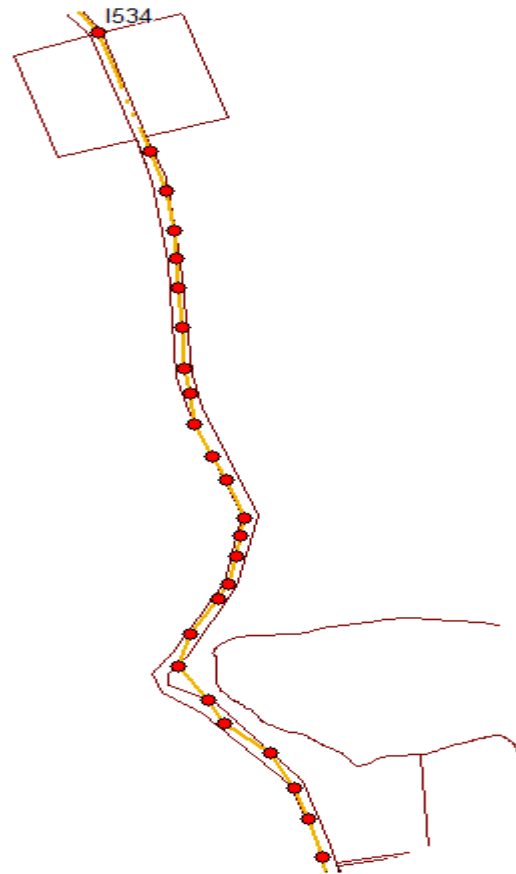
S337 towards S342 (Rabulu Towards Yaqara)



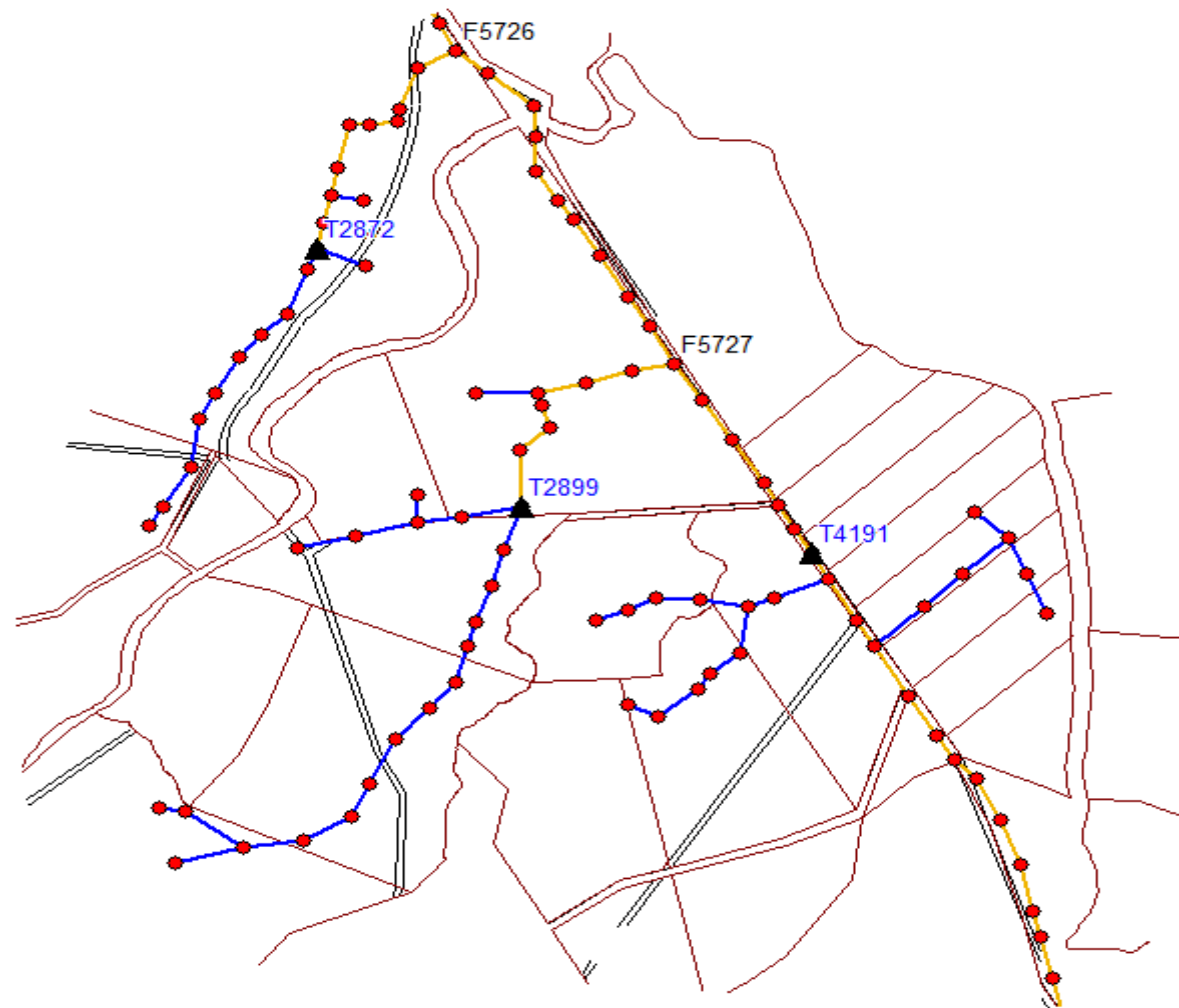
S342- I534-F5616 (Yağara)



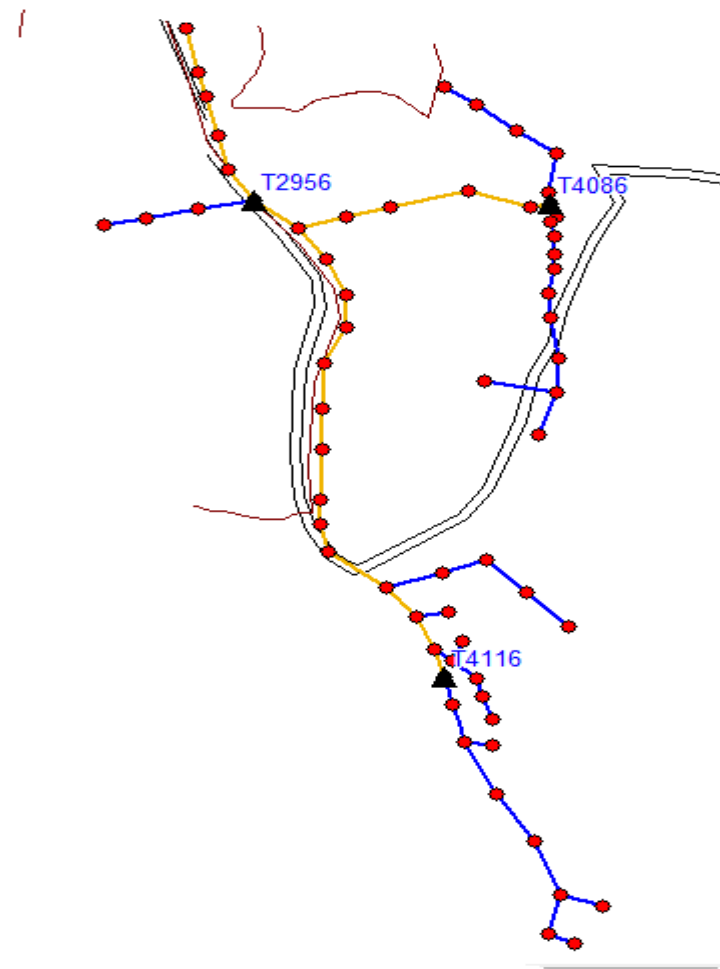
I534- F5626 (Yaqara Tee-off)



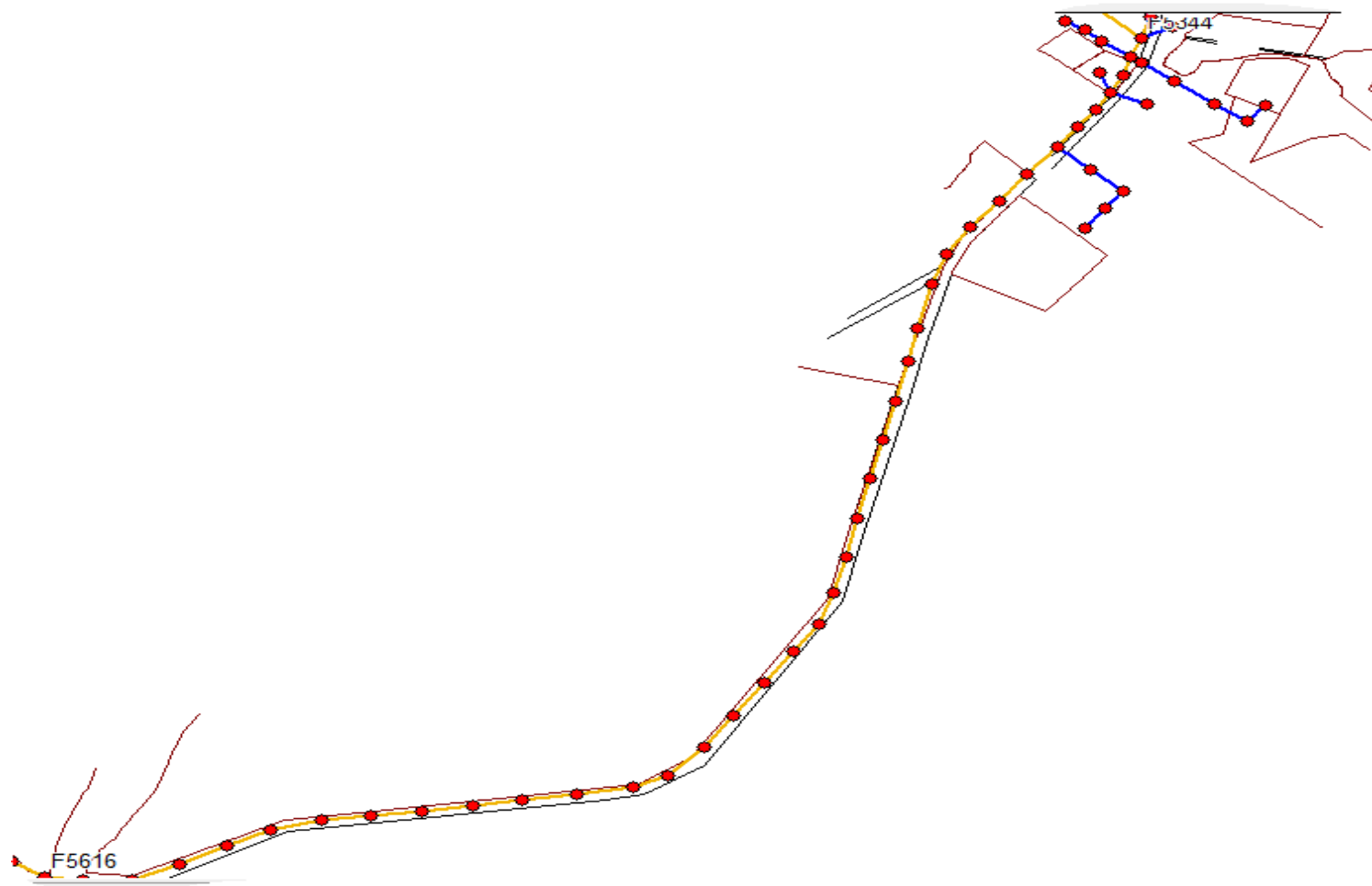
F5726- End of Line (Yaqara Tee-off)



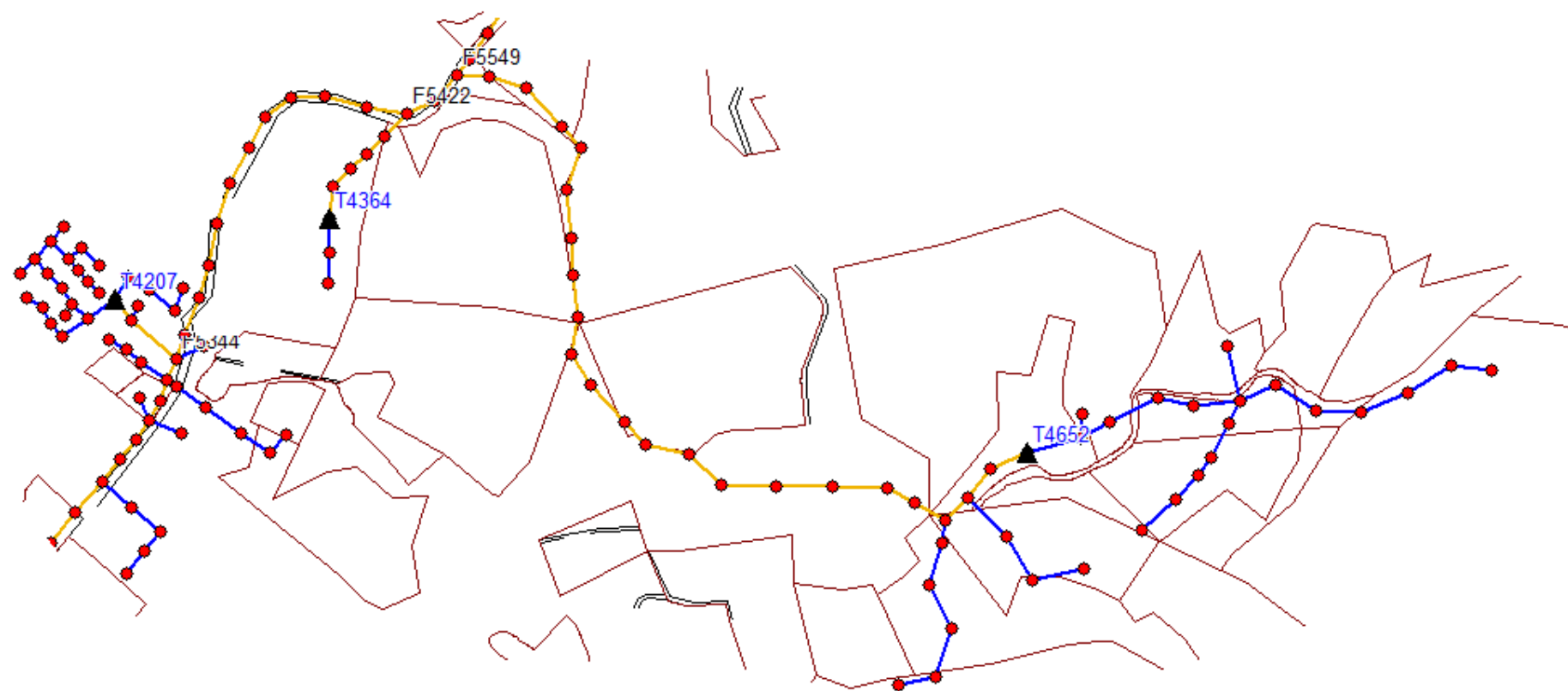
F5726- End of Line (continued) (Yaqara Tee-off)



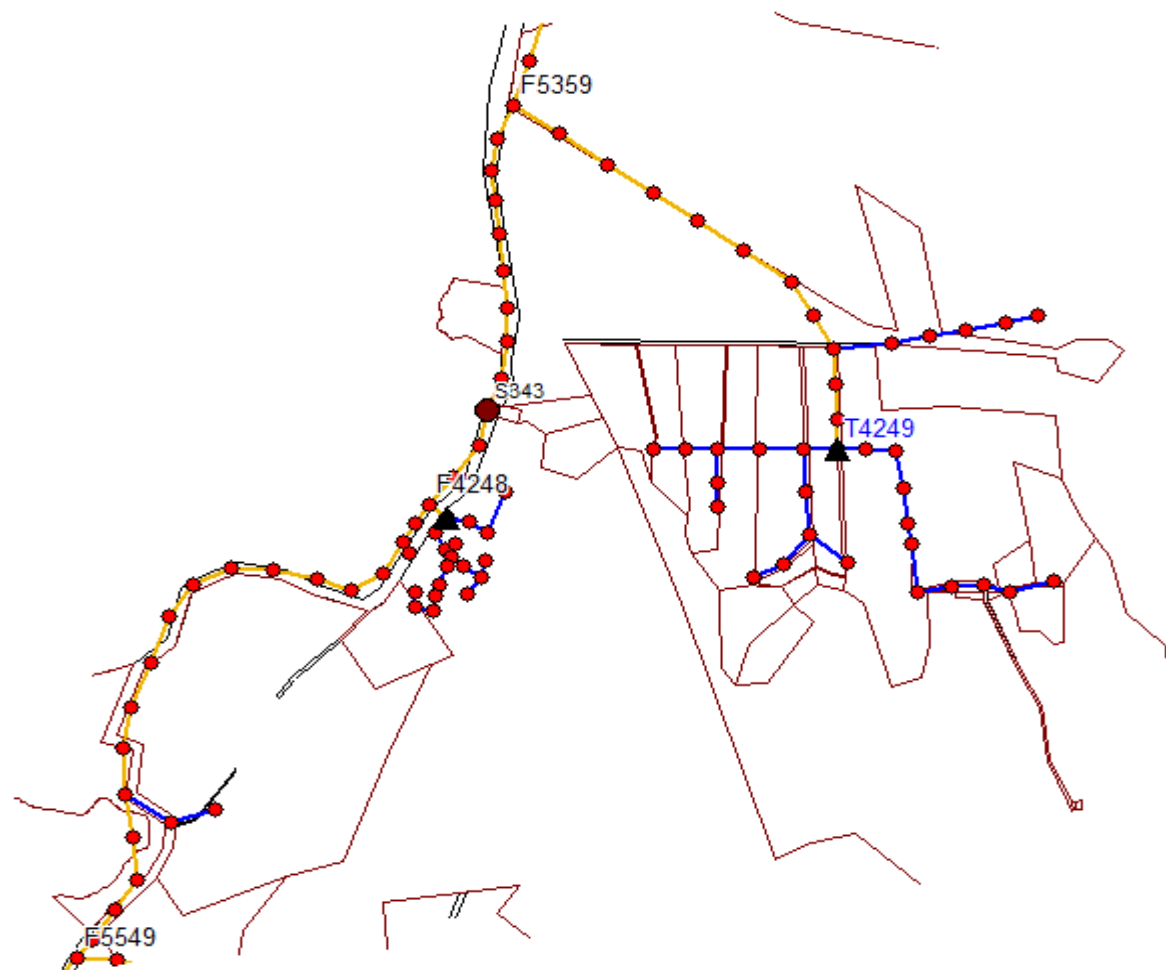
F5616- F5344 (Yaqara to Drauniivi)



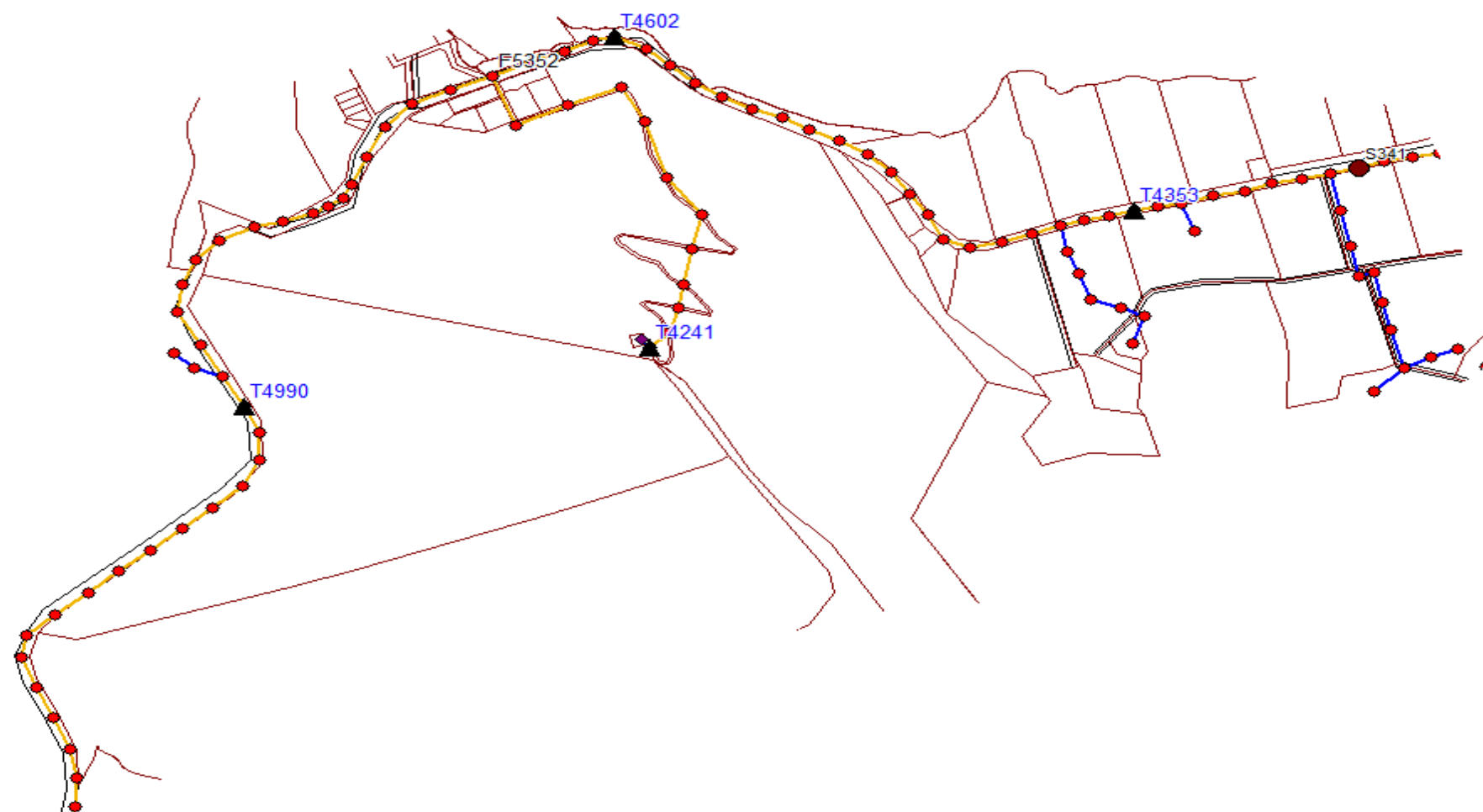
F5344- F5549 Drauiniivi



F5549- F5359 Drauniivi to Togovere



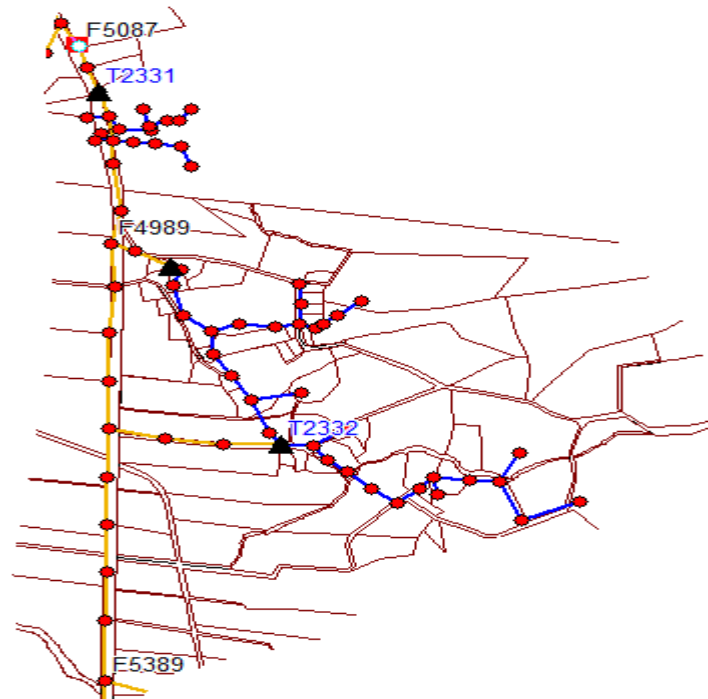
F5359 - S341 (Togovere towards Nanuku)



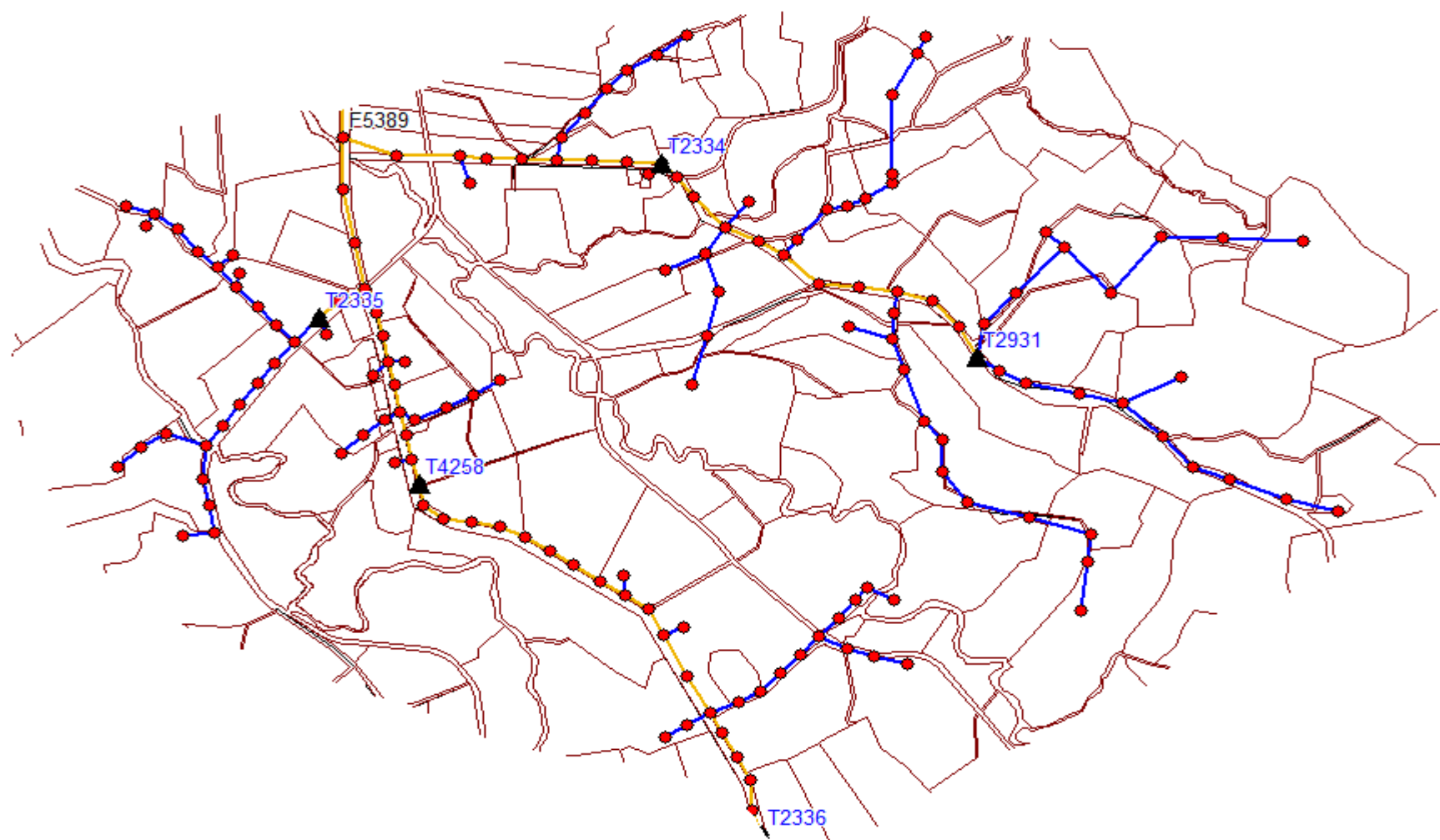
Stage 2- Part of Nadarivatu Road, Whole of Korovou Village, Part of Korovou, Area, Whole of Balata area, Balata High School, Balata Indian School, Whole of Draumasi Road, Part of Lakalaka, Whole of Naim Road, Whole of Davota area, Davota Indian School, Whole of Rakavidi Road. Whole of Malele Road, Vodafone Repeater Station – Malele

Stage 2- Isolation Point: F5087-EOL (Main line including HV and LV tee-offs) (Page 24- 32)

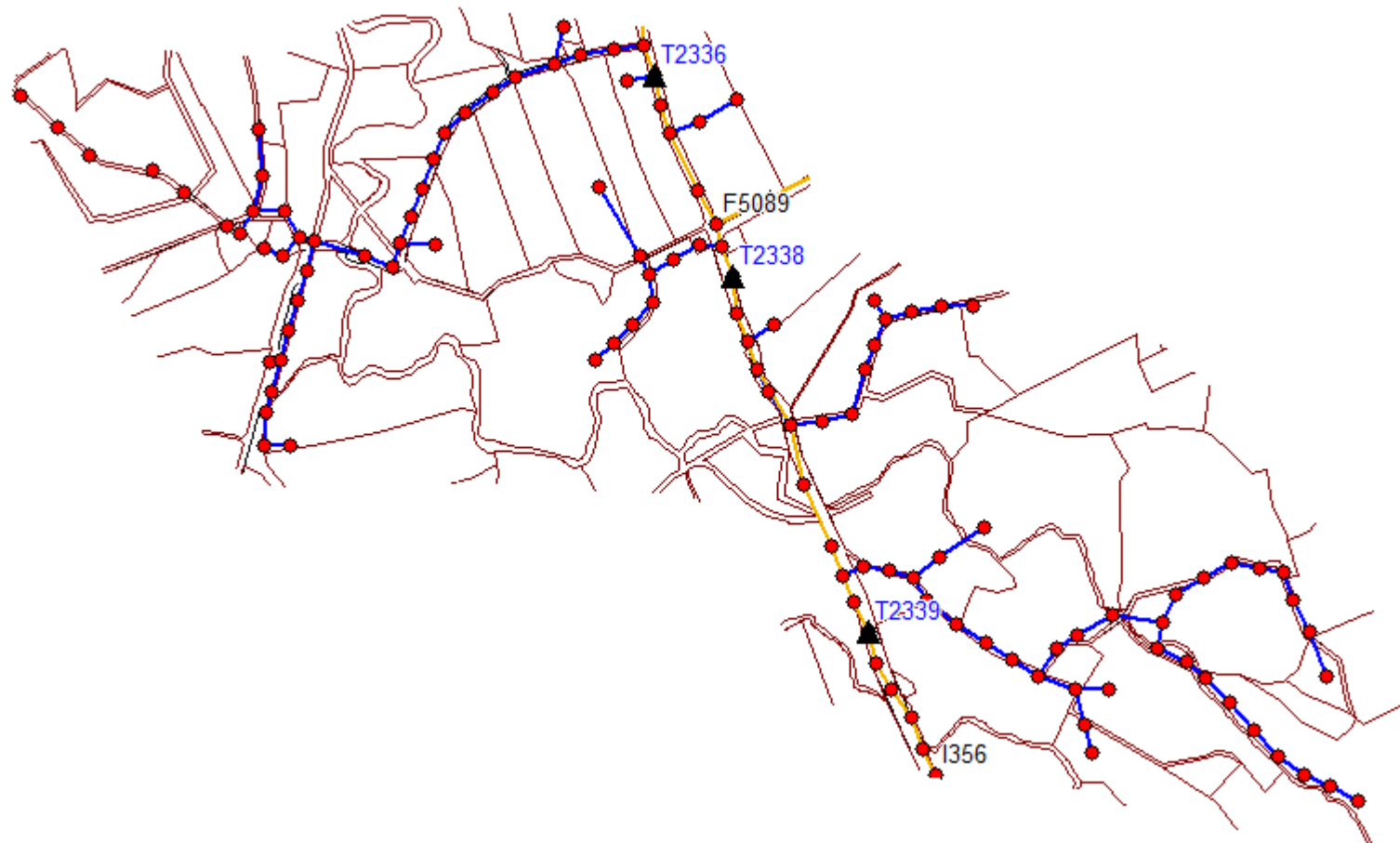
F5087- F5389 (Korovou)



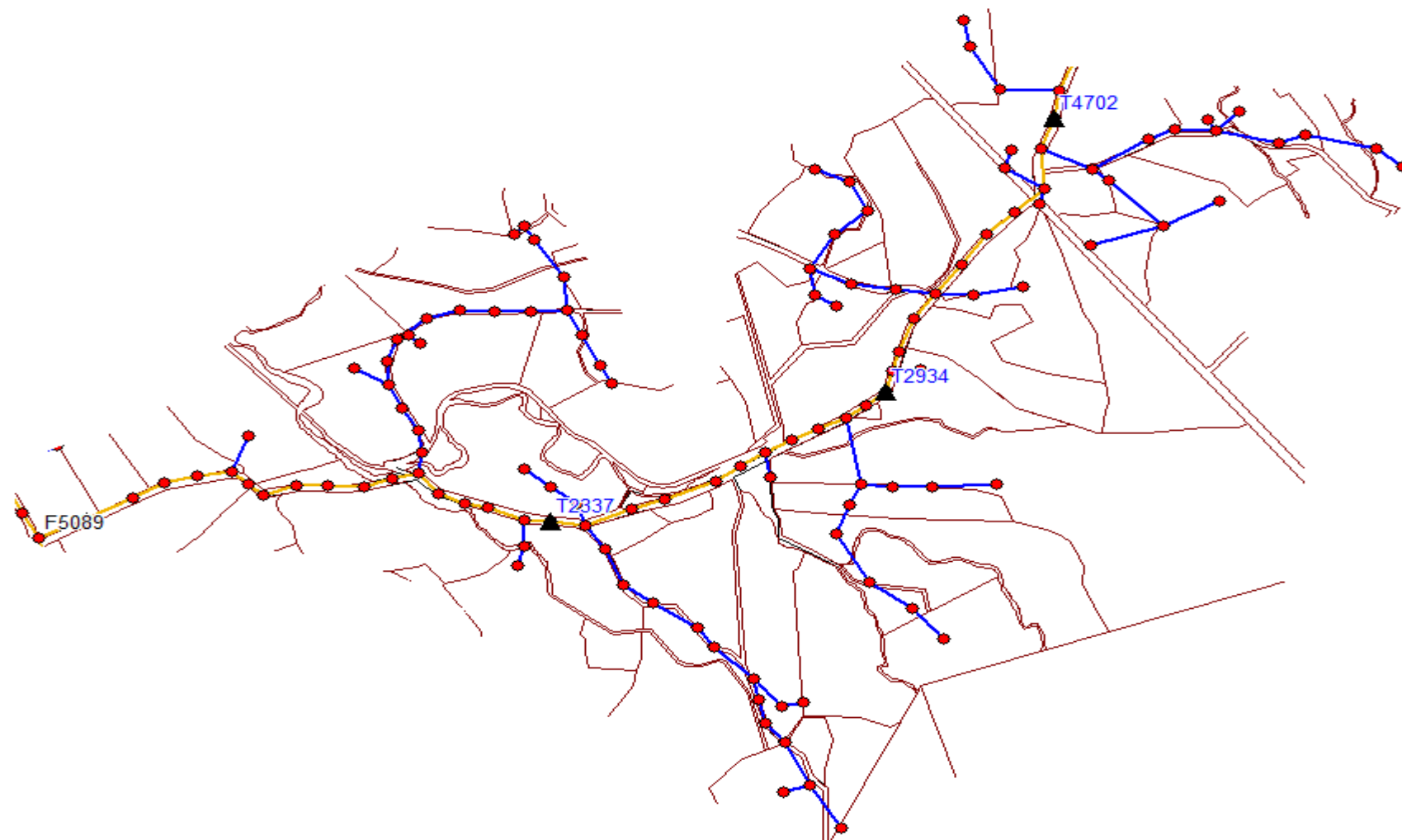
F5389- T2336 (Korovou towards Malele)



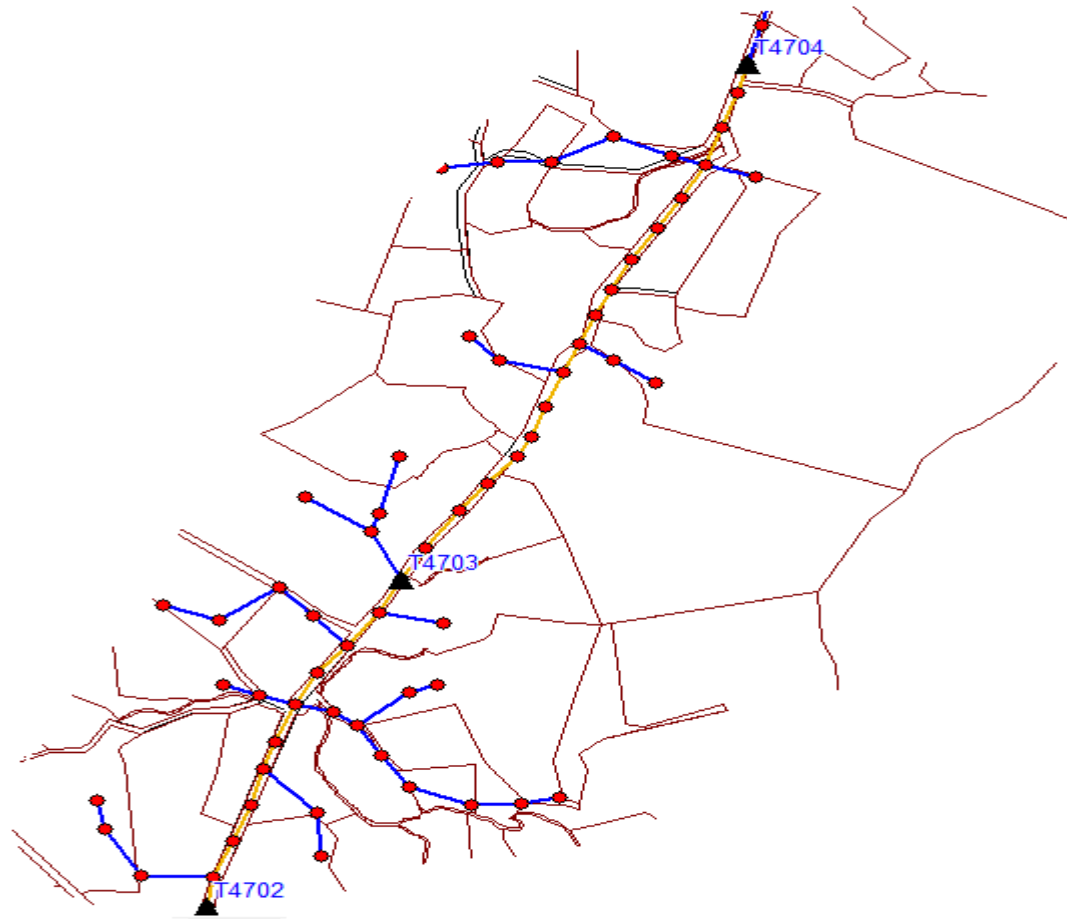
T2336- I356 (Malele)-Refer continuation to Page 30



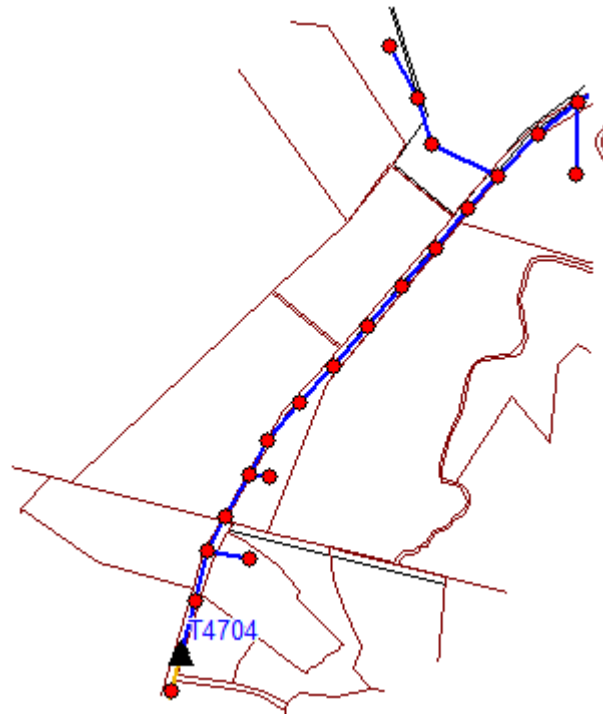
F5089-T4702 Drumasi tee-off



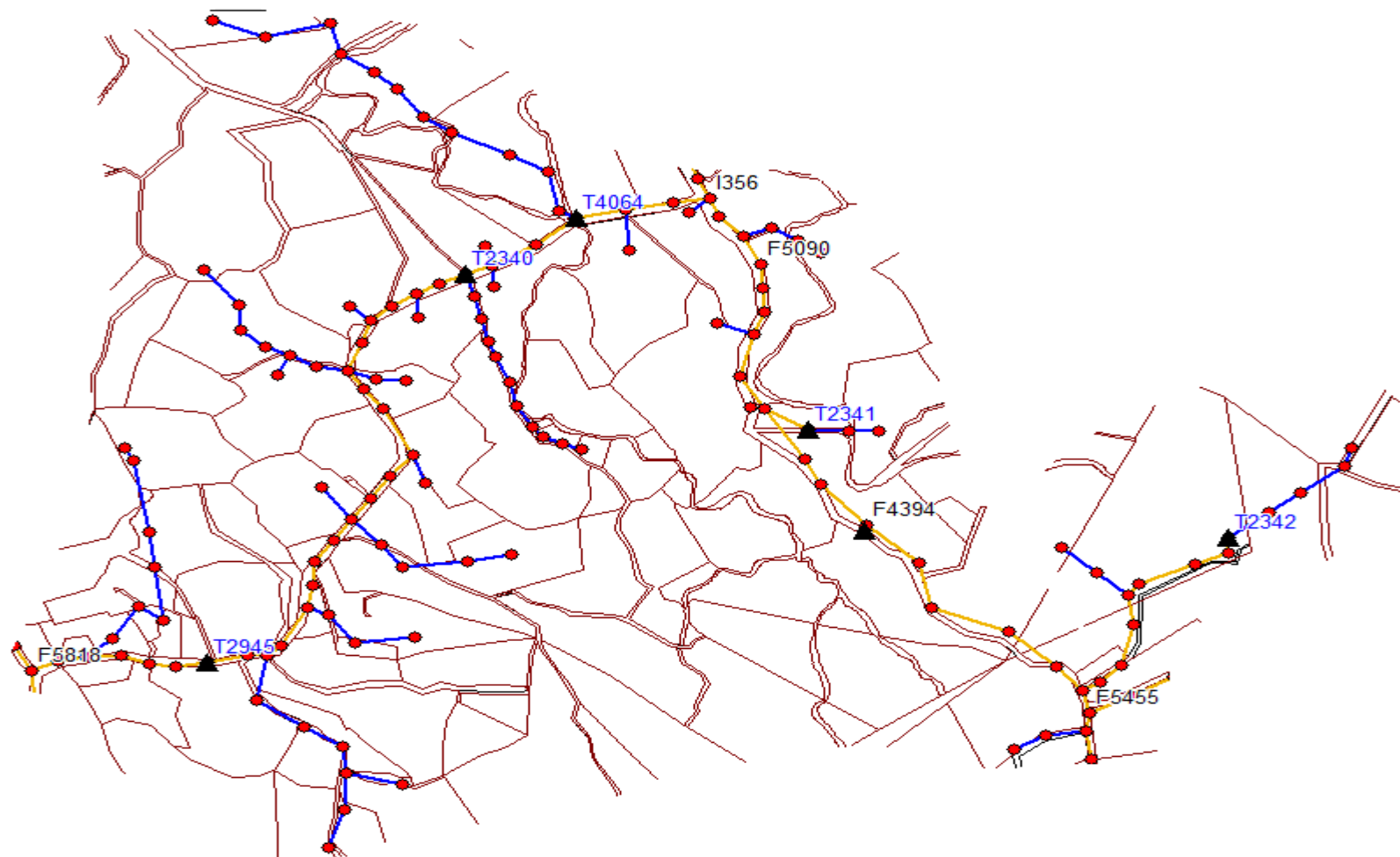
T4702- T4704 Drumasi tee-off towards Rabulu(continued)



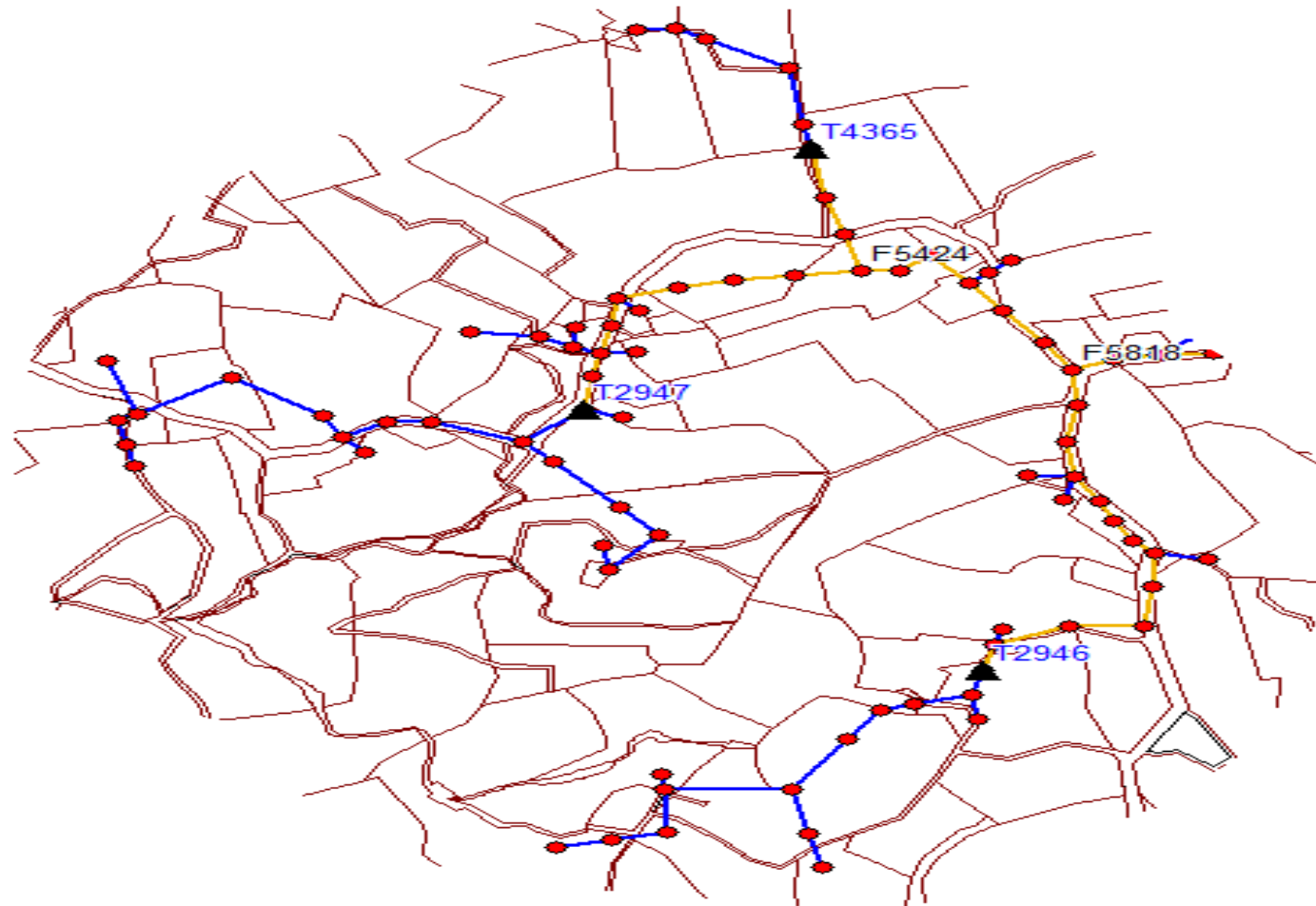
T4704 (Part of Rabulu from Drumase side)



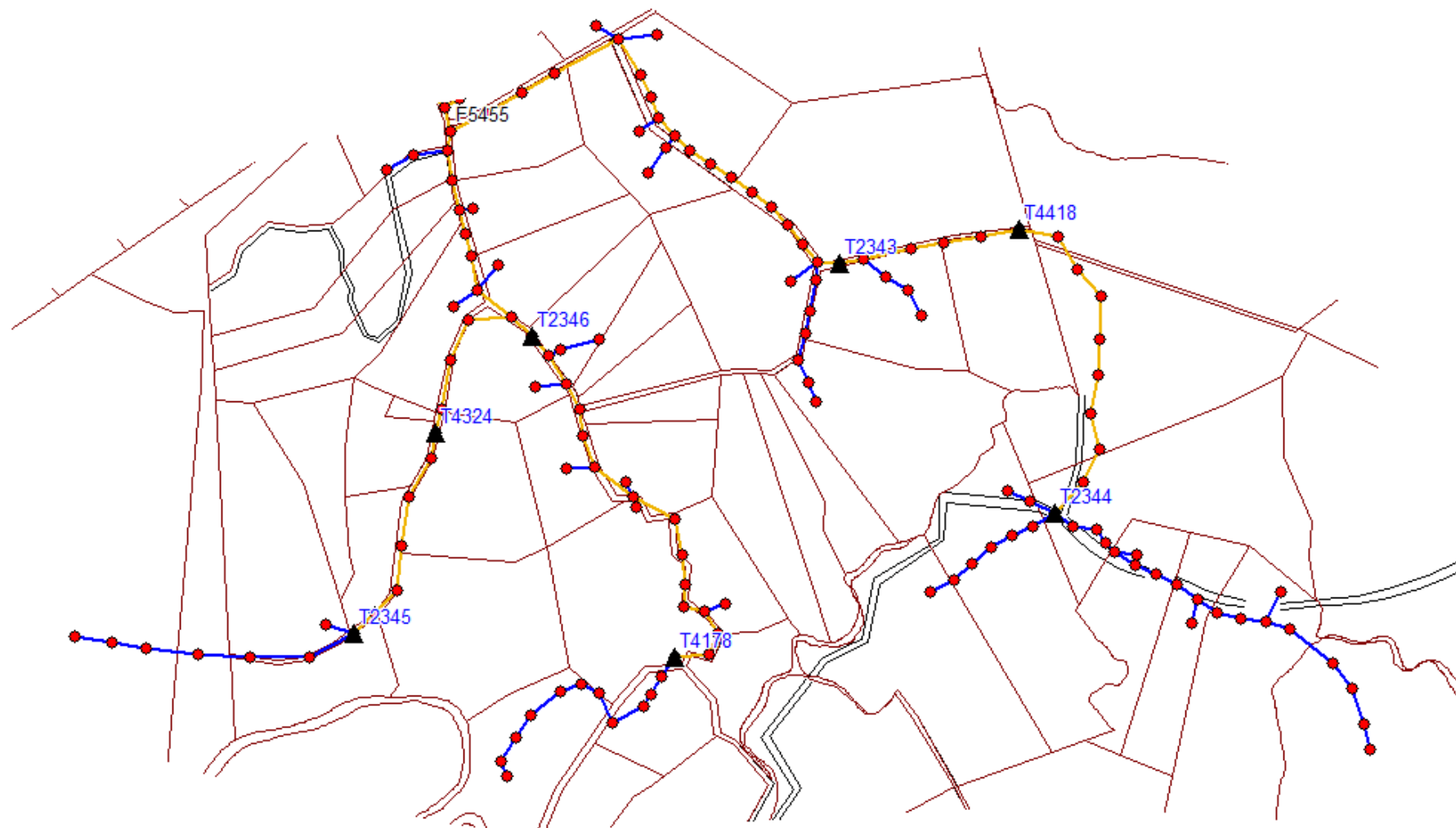
I356-F5455-F5818 (Malele) Continued from Page 26



F5818- EOL (Malele)

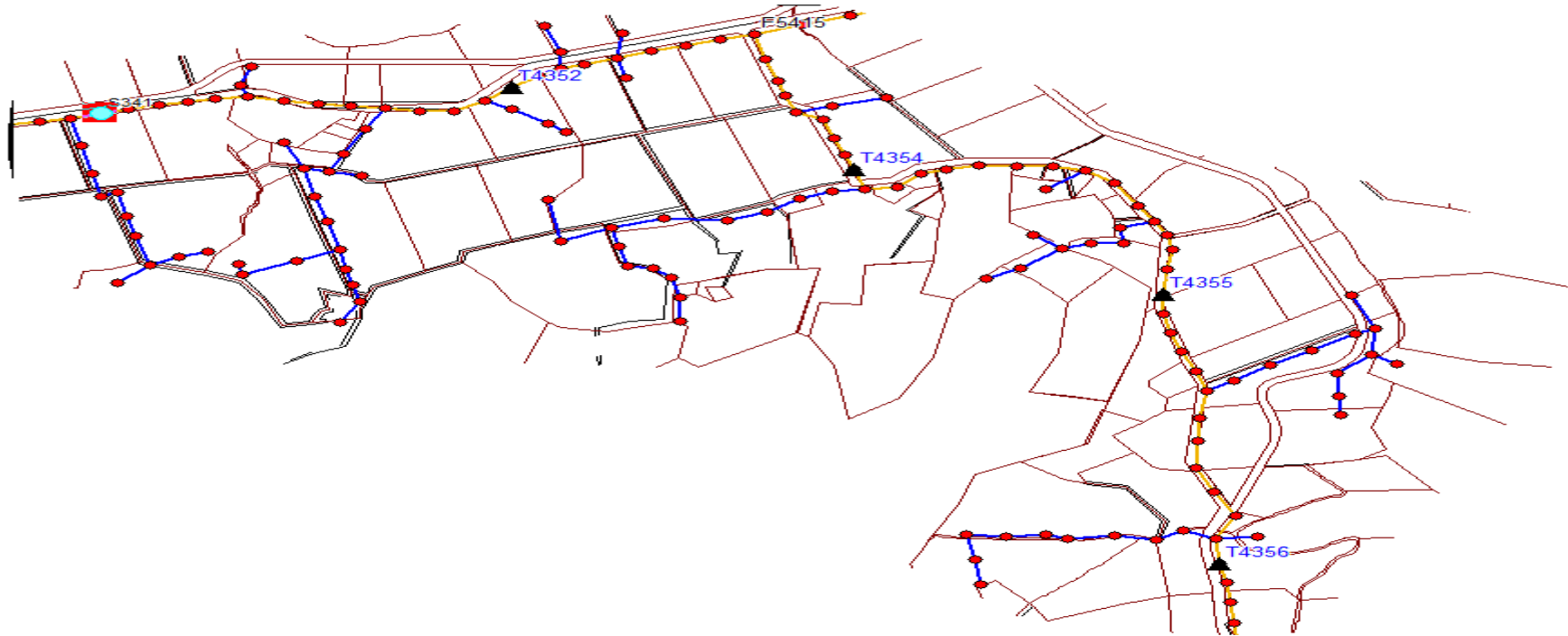


F5455- EOL (Malele)

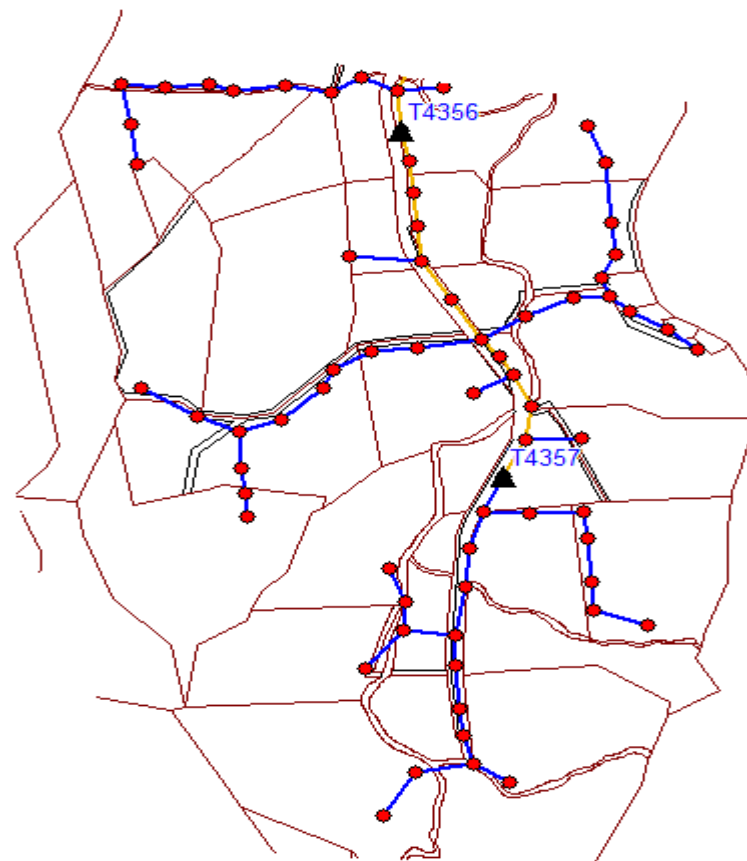


Stage 3 – Part of Kings Road from Nanuku to Rakiraki Town, Narewa Village, Whole of Vitawa, Vitawa Village, Whole of Nanuku, Naivuvuni Village, Akbar Bus Transport Garage, Bhima's Yard, Uluinavatu Cemetery, Whole of Wairuku, Wairuku Primary and Secondary School, FSC Research Station, Almadina Road, Ducui Road, Nanuku FSC Sector Office, Wailevu, Nanuku Secondary & Primary School, Vunitogoloa Village, Vunitogoloa Nursing Station, Navatu Fijian School, Namajoba Telecom Repeater

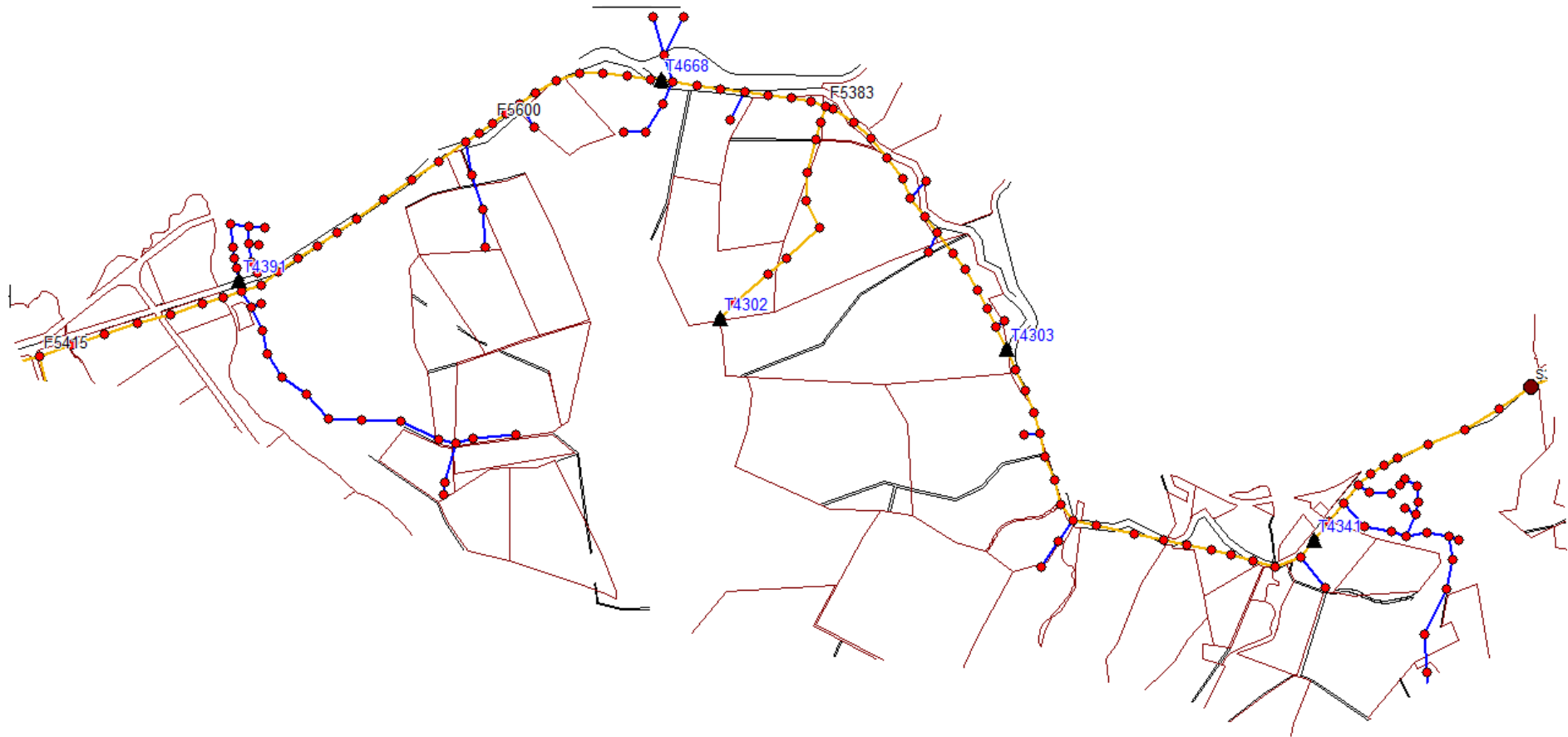
Isolation Points: S341-I380-S289-I382 (Main line including HV and LV tee-offs)- Page 33 to Page 37
S341-F5415-T4356 (Nanuku)



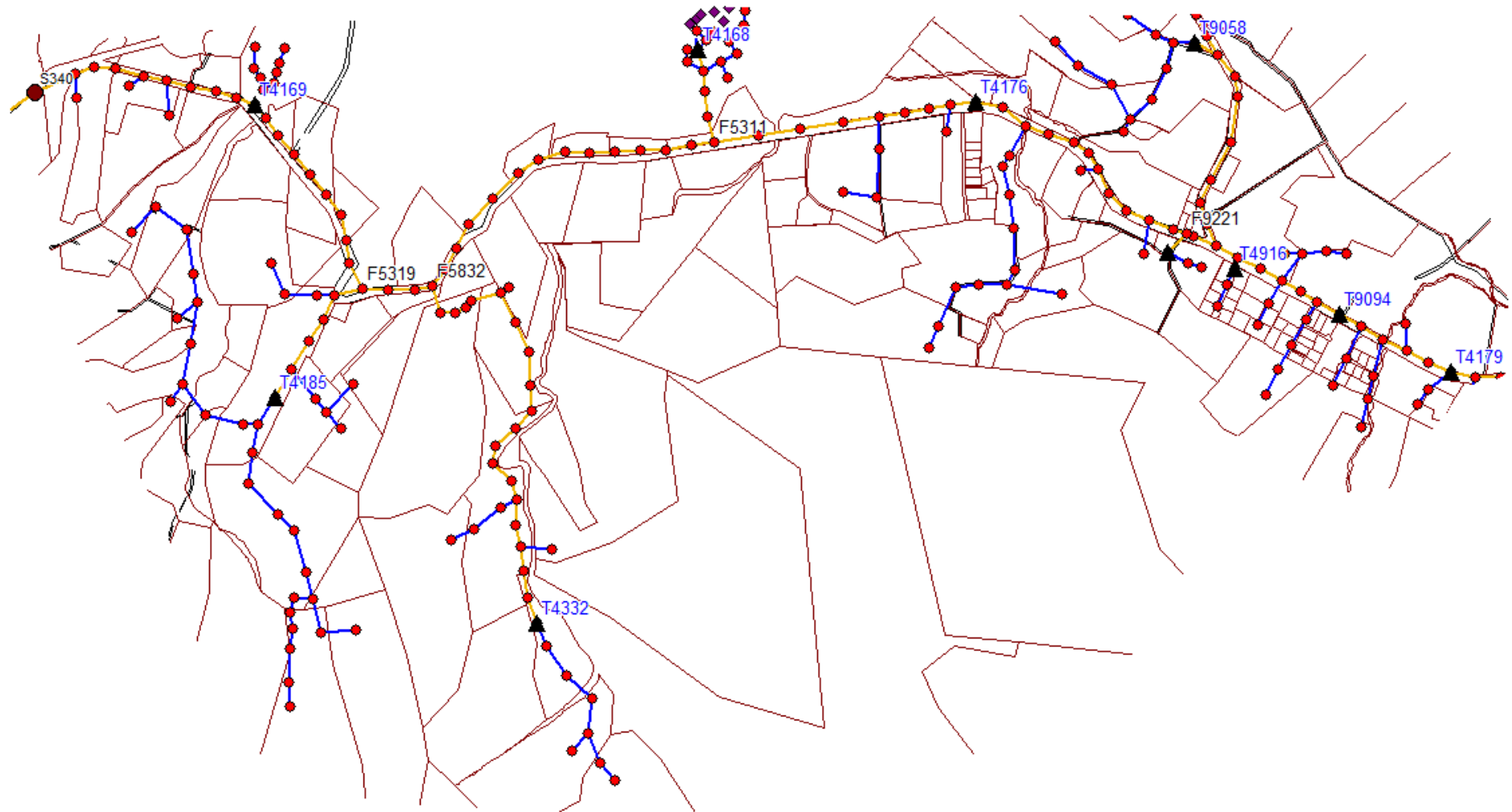
T4356- T4357- EOL (Nanuku)



F5415- S340 (Vunitogoloa to Naivuvuni)



S340-T4179-T9058 (Naivuvuni towards Vitawa)



T9058- End of Line, T4175-I382, S289, I380

