



# SAFARICOM FTTS PROJECTS FY 2025\_2026

## Quavatel\_FTTS\_2025\_2026\_ 20836\_MK\_EC1622- KARUNDU\_COFFEE\_FACTORY

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SAFARICOM LIMITED		QUAVATEL LIMITED		PROJECT NAME :			DRAWING NAME :		
	APPROVED BY		CHECKED BY	Quavatel_FTTS_2025_2026_20836_MK_EC1622-KARUNDU_COFFEE_FACTORY			Title		
	DATE		DATE	DESIGN MANAGER:	Design BY:	DATE:	SCALE:	VERSION	
				Hudson	Omiso Sikuku	28/03/2025	N/A	VER.1	
Drawing No: Quavatel_FTTS_2025_2026_20836_MK_EC1622-KARUNDU_COFFEE_FACTORY									

# RISK ANALYSIS PLAN

## SAFETY SURVEY REPORT SUMMARY

### 1. Requirement manpower:

1. People to do pole accessories
2. Competent personnel to do cable pulling
3. Competent personnel to do splicing.
4. Competent personnel to do Manhole installation.

### 2. Activities

1. Transportation of workers to site.
2. Use of hand tools e.g. Mattock, spade.
3. Route barricading.
4. Manhole Installation.
5. Cable pulling
6. Pole erection and pole accessories installation.

### 3. Risks Identified on ground

1. Injury due to negligence of the safety rules on site.
2. Allergic problems to the workers due to dust emitted from the trenching.
3. Body injury due to fall from wet poles since they are slippery.
4. Avoid working close to power lines.
5. Potential breakage of water pipes running along the road.
6. Working along the road.
6. Road to Karundu Coffee Factory is Under Construction.

### 4. Safety Measures

1. All work to be executed by competent personnel. muffs for the personnel using machines.
2. Appropriated PPE's to be used i.e. Helmets, safety goggles, and ear
3. Proper barricading, Use of signage posters and warning cones to control the traffics.
4. Site Files to be filled before commencement of the work to ensure all relevant information is communicated to all workers and records.
5. Avoid rigging wet poles.
6. Observe Offest distance from KPLC transformer for new poles installation.

### Government Office.

1. Witima Police station.
2. Karundu Dispensary.

### Medical Facility

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Drawing No:Quavatel_FTTS_2025_2026_20836_MK_EC1622-KARUNDU_COFFEE_FACTORY									

# LEGEND

 48C ADSS

 Existing SFC pole

 Existing FOC

 Existing manhole

 Site

 New manhole

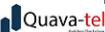
 Loop

 KPLC pole

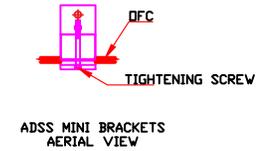
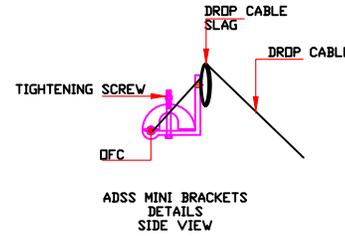
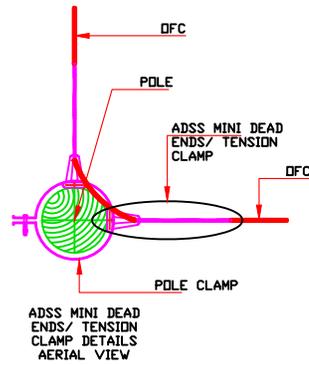
 New JB

 New SFC pole

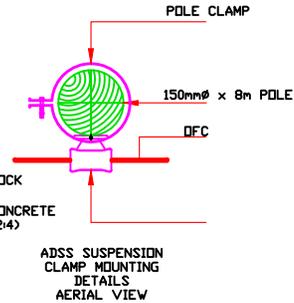
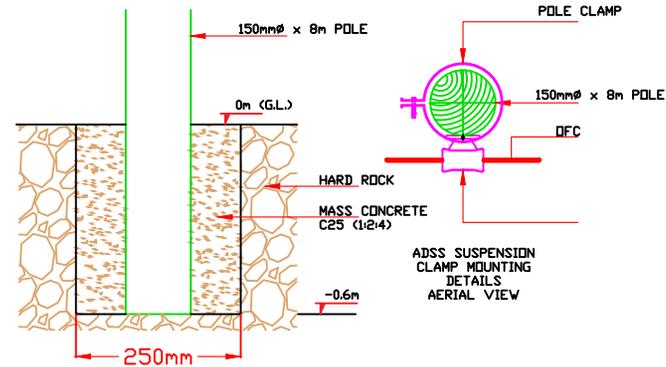
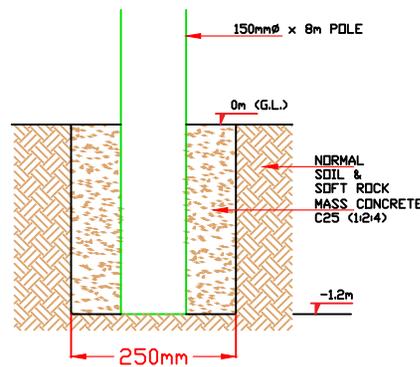
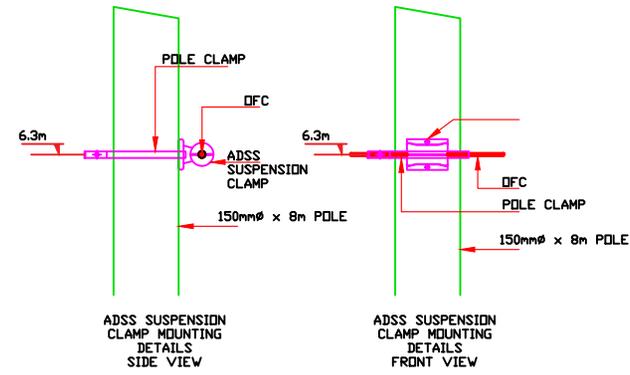
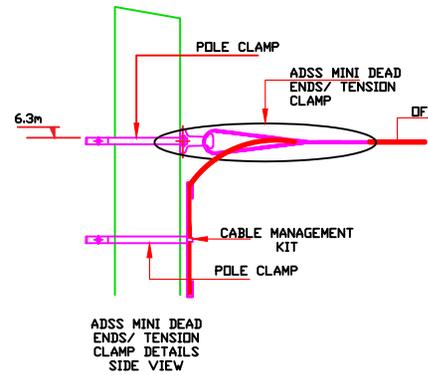
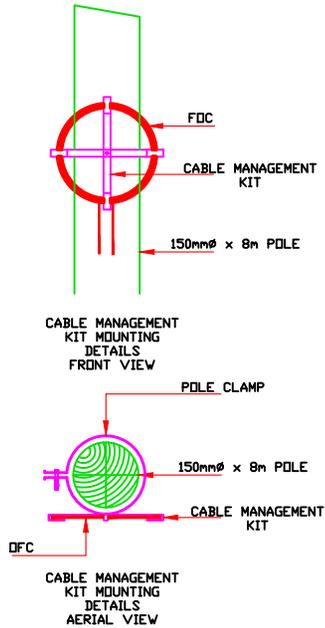
 Existing JB

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				Hudson	Omiso	28/03/2025	N.T.S	Rev/01	1
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# Technical Details

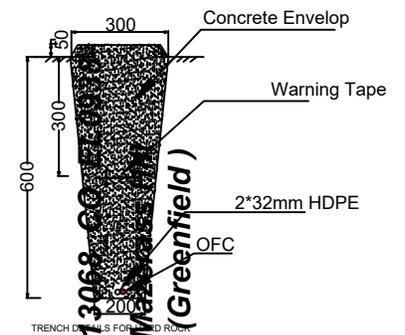
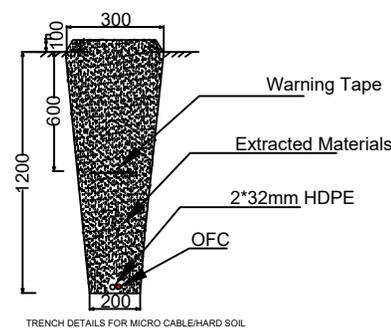
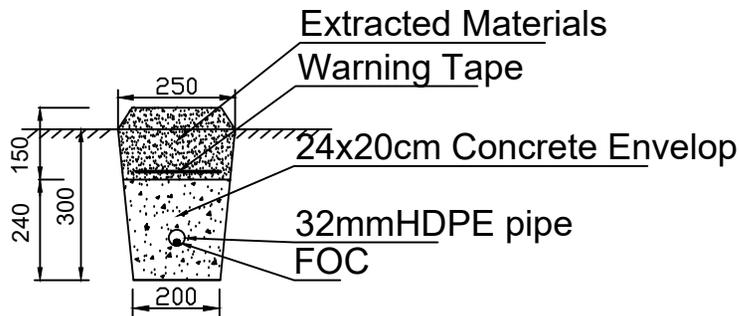
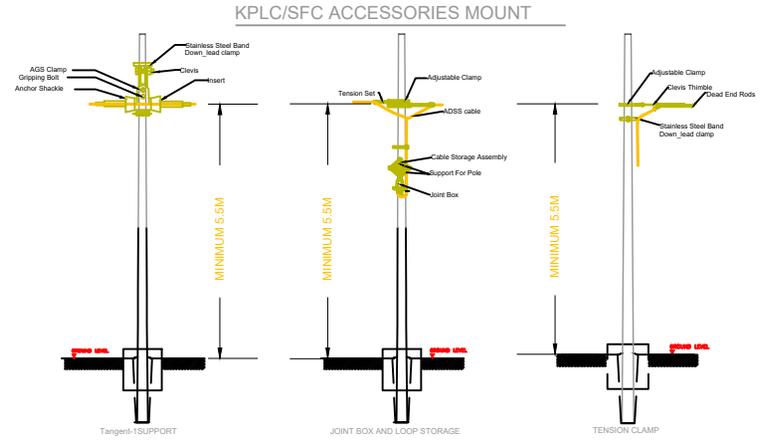
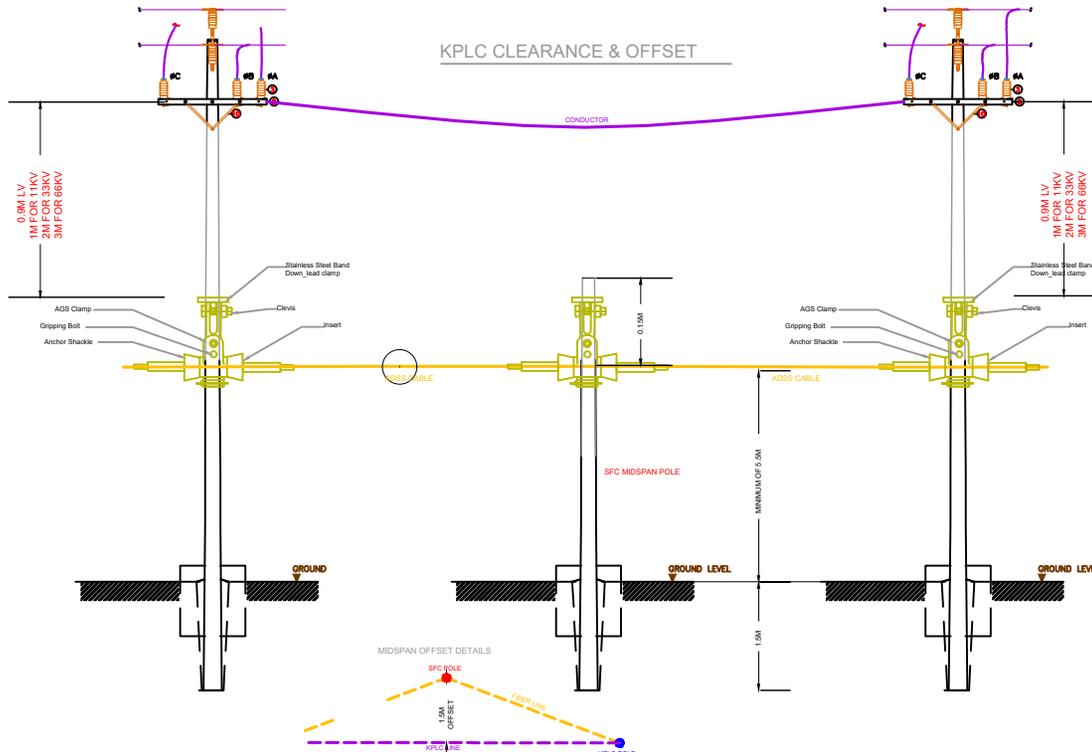


Hard Rock Trench (figure 2)



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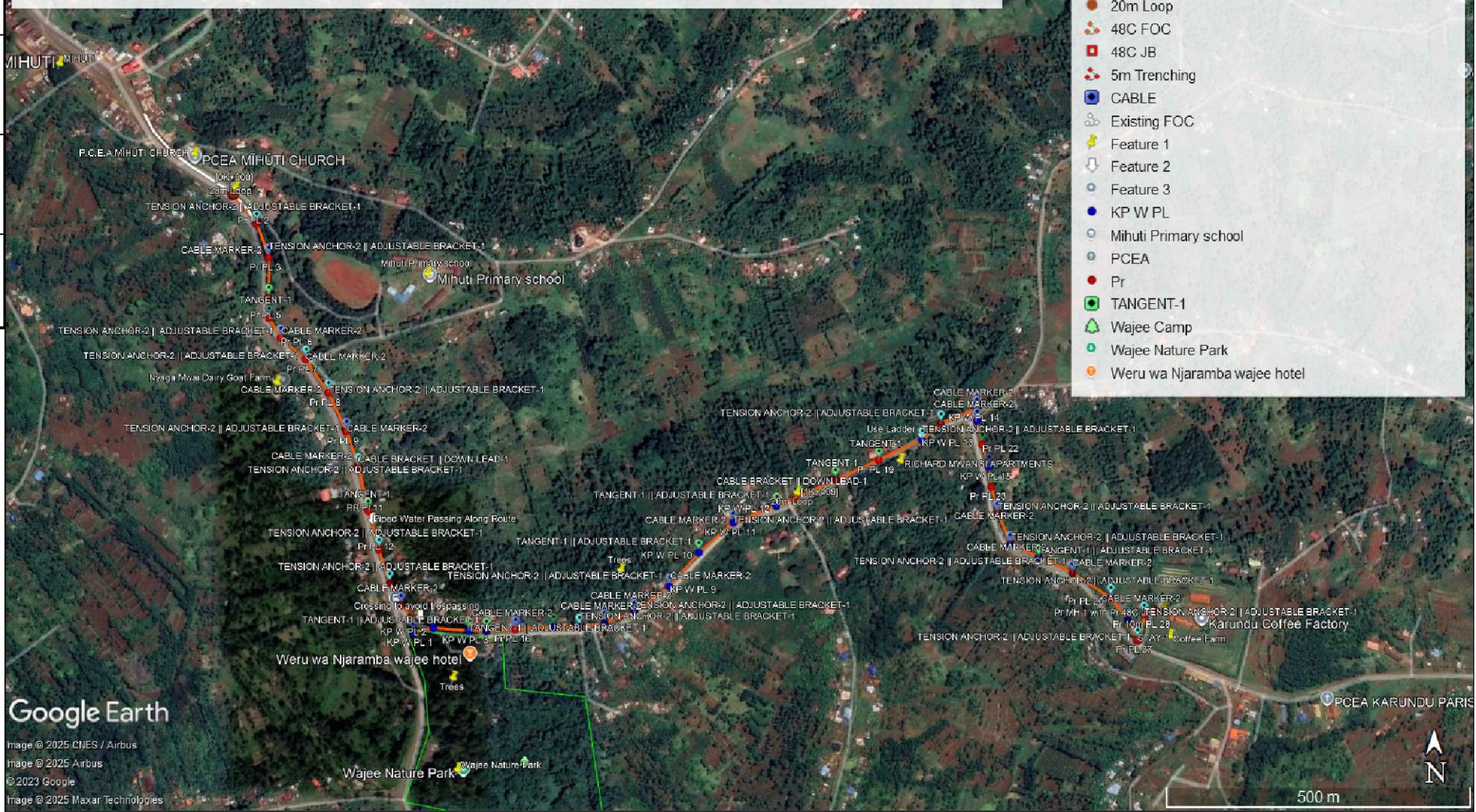


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Write a description for your map.



Google Earth

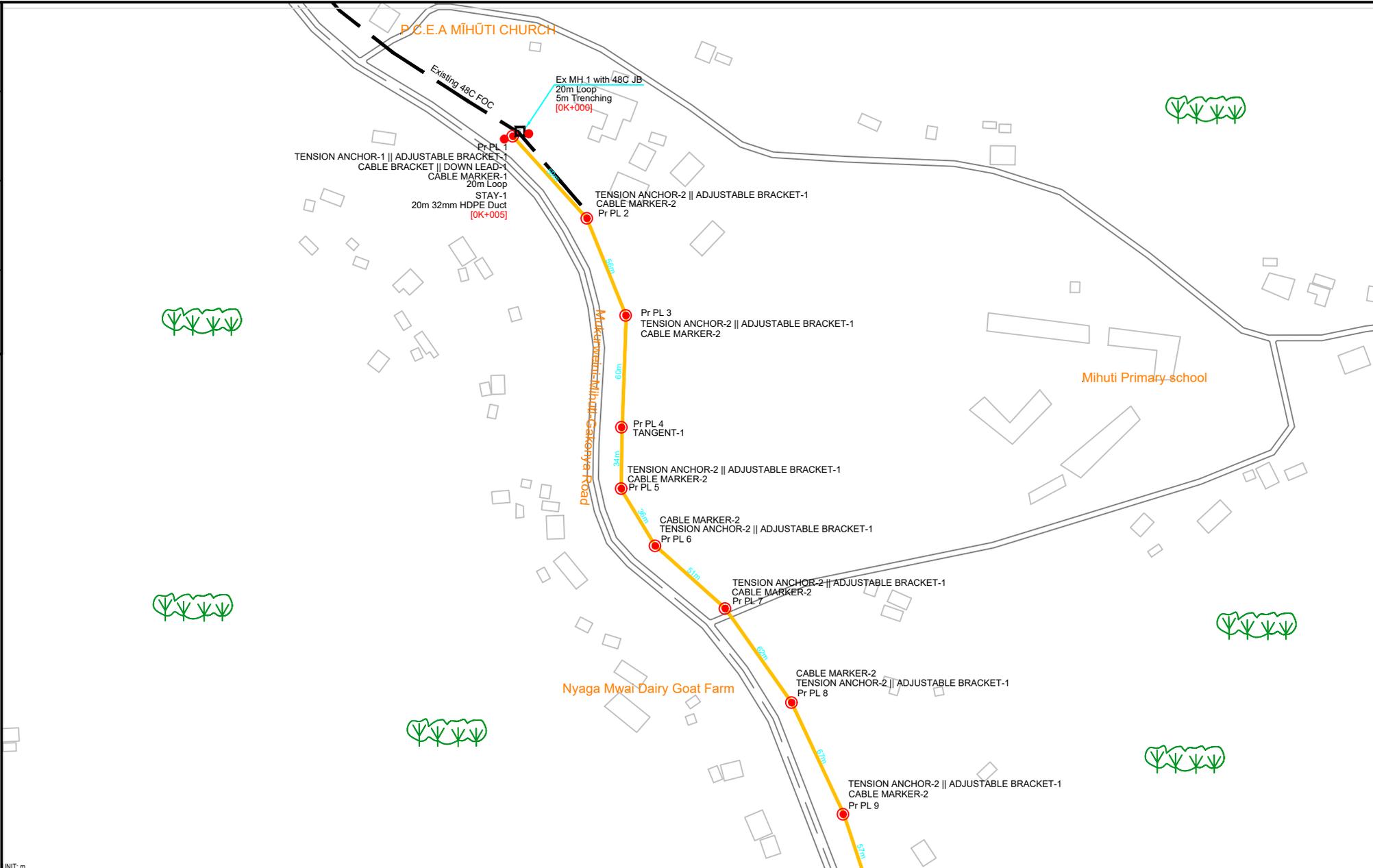
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500 m

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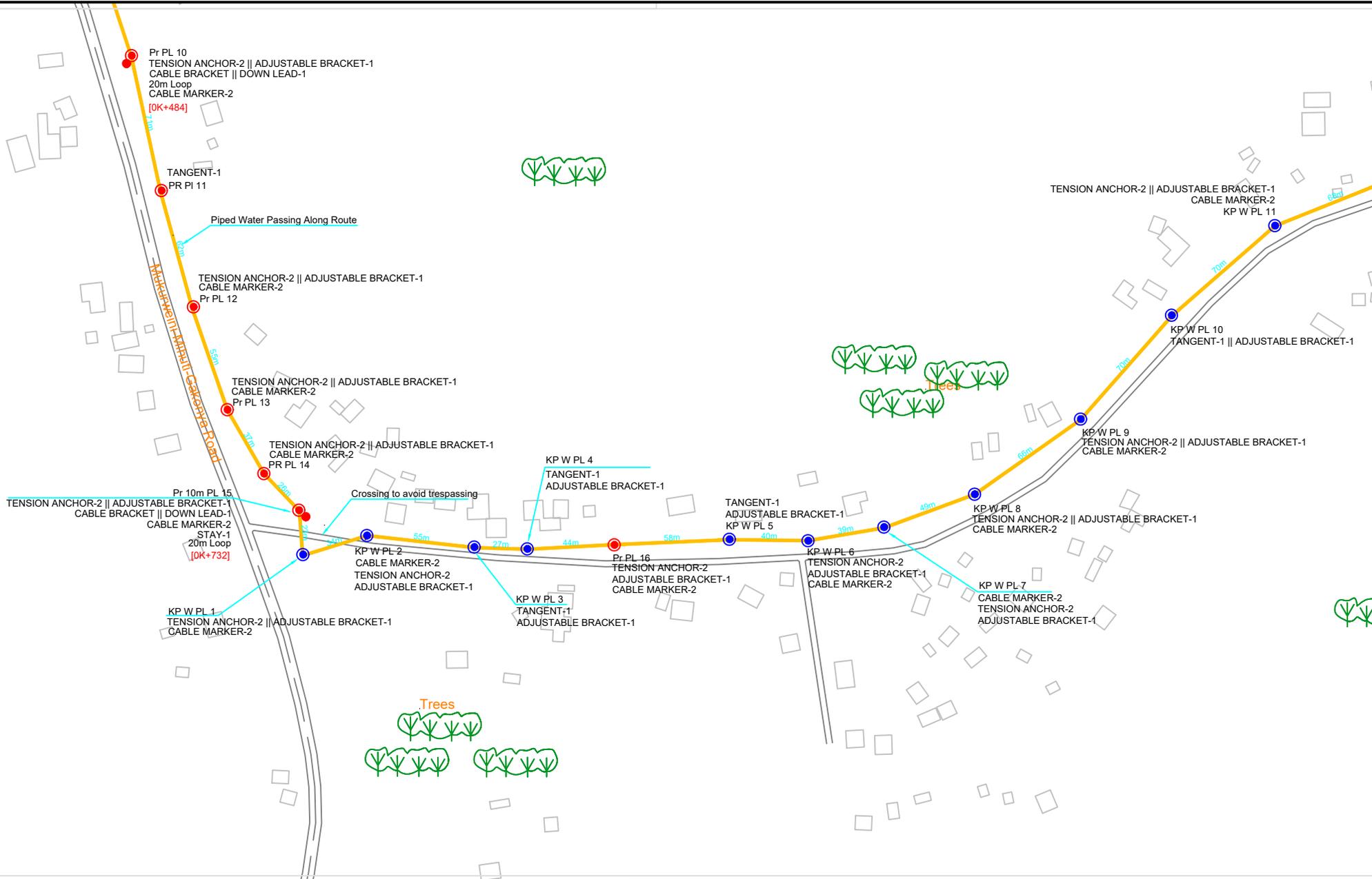
UNIT: m

Main Workload																	
Road	48C JB	CON.	BRC.	GRA.	OSP1 Soil Profile			SR			48P ODF	Warning tape	KPLC poles	safety room poles		Flex	
2271	0	0	0	0	7m	0	0	0	0	0	0	1pcs	7m	18pcs	25pcs	4pcs	5m

48C UG Closure	ATN	Trenching	Tangent	Downlead Clamps	Storage Brackets	Pole Support	32mm duct	4-way duct	ADSS 48C	Tension Clamps	Stand-off Brackets	Cable Markers	Manhole
1pcs	1pcs	7m	12pcs	7pcs	7pcs	5	40m	15m	2600m	68pcs	41pcs	68pcs	1pcs

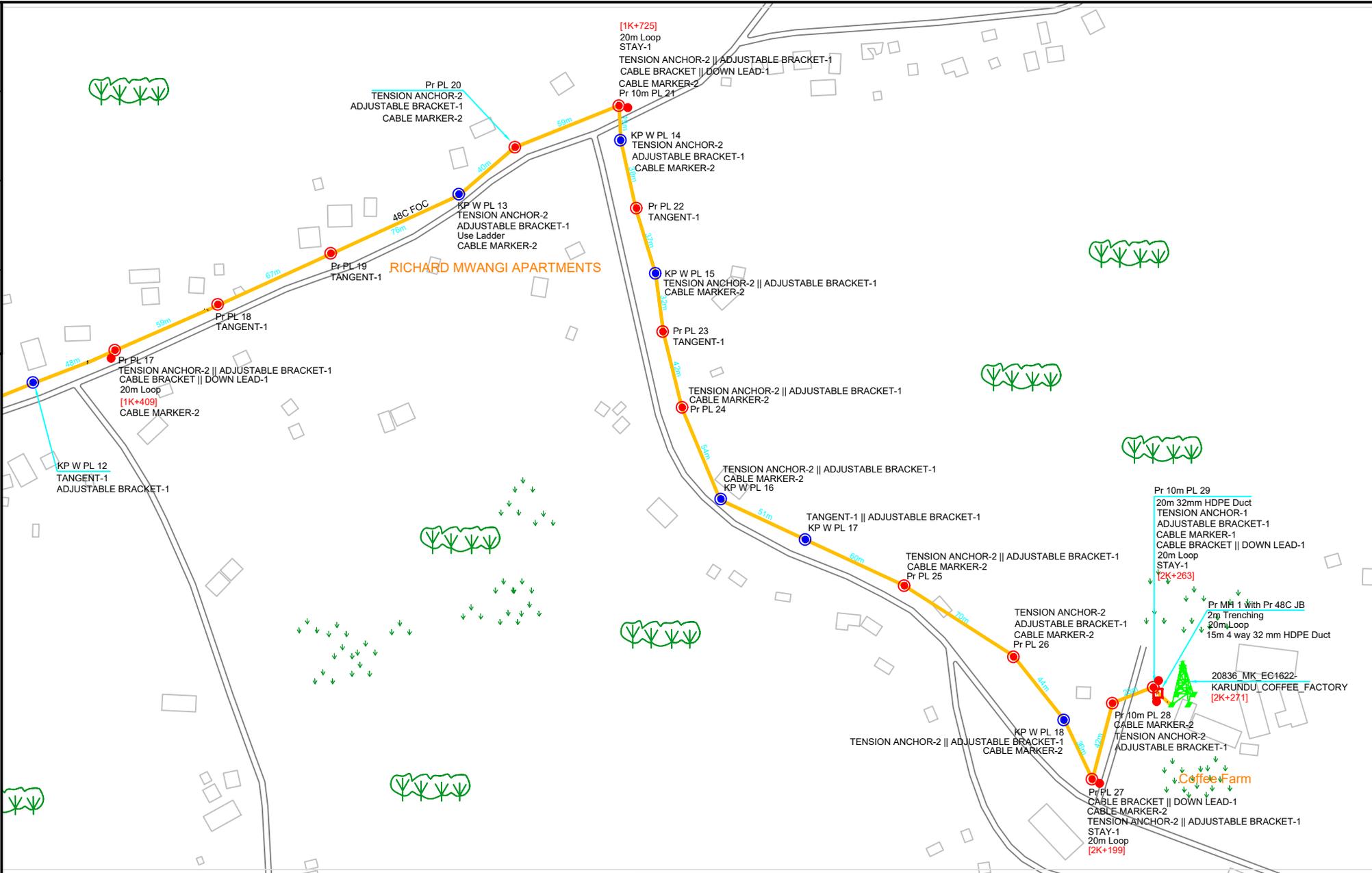
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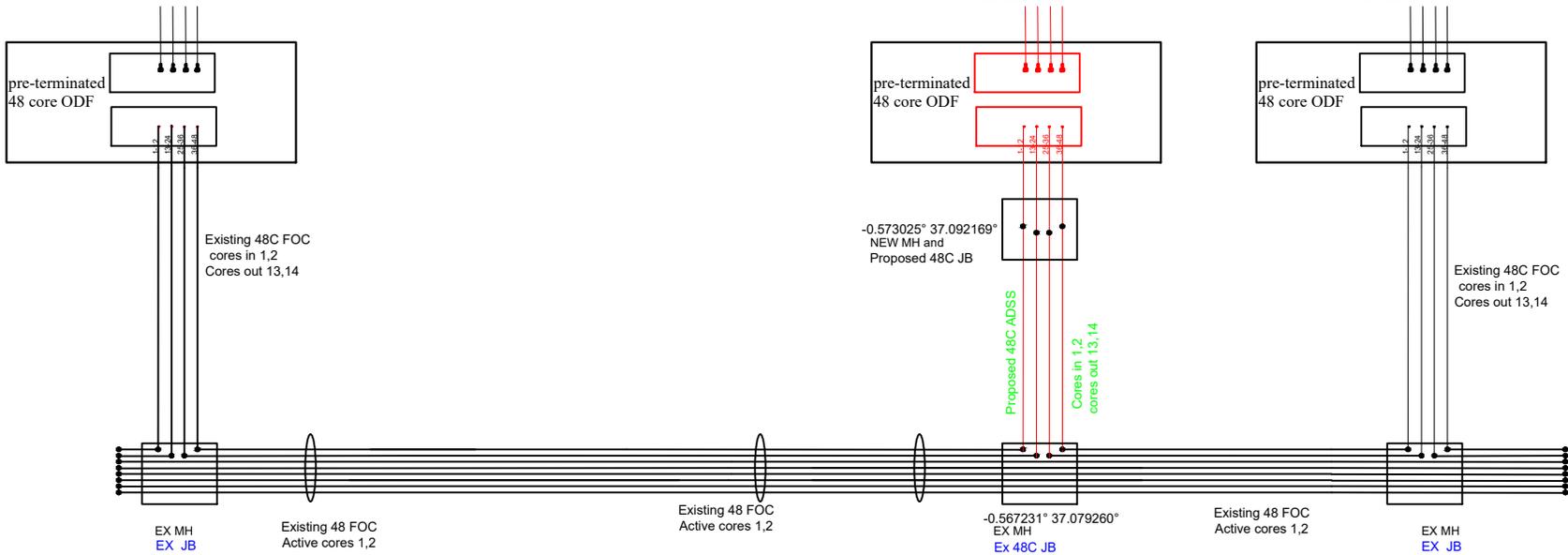
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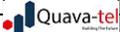
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POLEID	TANGENT	TENSION	STORAGE BRACKET	CABLE MARKERS	DOWNLEAD	AnCHOR	ADJUSTABLE BRACKET	LONGITITUDES	LATITUDES
KP W PL 1		2		2			1	37.0817734	-0.573308
KP W PL 2		2		2			1	37.0820634	-0.5732346
KP W PL 3	1						1	37.0825511	-0.5732676
KP W PL 4	1						1	37.0827942	-0.5732806
KP W PL 5	1						1	37.083718	-0.5732316
KP W PL 6		2		2			1	37.0840774	-0.5732367
KP W PL 7		2		2			1	37.0844212	-0.5731806
KP W PL 8		2		2			1	37.0848348	-0.5730287
KP W PL 9		2		2			1	37.0853188	-0.5726872
KP W PL 10	1						1	37.0857277	-0.5722125
KP W PL 11		2		2			1	37.0862071	-0.5717953
KP W PL 12	1						1	37.0868033	-0.571562
KP W PL 13		2		2			1	37.0888438	-0.5706504
KP W PL 14		2		2			1	37.0896229	-0.5703843
KP W PL 15		2		2			1	37.0897897	-0.5710305
KP W PL 16		2		2			1	37.0900989	-0.572121
KP W PL 17	1						1	37.0905061	-0.5723138
KP W PL 18		2		2			1	37.0917481	-0.5731836
	6	24	0	24	0	0	18		

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POLEID	TANGENT	TENSION	STORAGE	CABLE MARKERS	DOWNLEAD	ACHOR	ADJUSTABLE BRACKET	LONGITUDE	LATITUDES	REASON FOR PROPOSING NEW POLE
Pr PL 1		1	1	1	1	1	1	37.0792444	-0.5672537	Transition from UG to OH
Pr PL 2		2		2				37.0795986	-0.5676498	No KPLC Pole along this section
Pr PL 3		2		2				37.0797783	-0.5681235	No KPLC Pole along this section
Pr PL 4	1							37.079761	-0.5686714	No KPLC Pole along this section
Pr PL 5		2		2				37.079762	-0.5689587	No KPLC Pole along this section
Pr PL 6		2		2				37.0799248	-0.5692327	No KPLC Pole along this section
Pr PL 7		2		2				37.0802664	-0.5695295	No KPLC Pole along this section
Pr PL 8		2		2				37.0805818	-0.5699907	No KPLC Pole along this section
Pr PL 9		2		2				37.0808266	-0.5705275	No KPLC Pole along this section
Pr PL 10		2	1	2	1			37.0809953	-0.5710216	No KPLC Pole along this section
PR PI 11	1							37.0811223	-0.5716345	No KPLC Pole along this section
Pr PL 12		2		2				37.0812717	-0.5721748	No KPLC Pole along this section
Pr PL 13		2		2				37.0814325	-0.572632	No KPLC Pole along this section
PR PL 14		2		2				37.0815971	-0.5729302	No KPLC Pole along this section
Pr PL 16		2		2				37.0831932	-0.5732578	Mid Span
Pr PL 17		2	1	2	1			37.0870668	-0.5714547	No KPLC Pole along this section
Pr PL 18	1							37.0876421	-0.571205	No KPLC Pole along this section
Pr PL 19	1							37.0882385	-0.5709314	No KPLC Pole along this section
Pr PL 20		2		2				37.0891134	-0.570422	Mid Span
Pr PL 22	1							37.0896938	-0.5707153	Mid Span
Pr PL 23	1							37.0898244	-0.5713091	KPLC pole is rotten
Pr PL 24		2		2				37.089913	-0.5716781	KPLC pole is rotten
Pr PL 25		2		2				37.0909822	-0.5725362	KPLC pole is rotten
Pr PL 26		2		2				37.0915039	-0.5728755	KPLC pole is rotten
Pr PL 27		2	1	2	1	1		37.0918831	-0.5734628	To avoid trespassing
Pr 10m PL 15		2	1	2	1	1		37.081757	-0.5731001	Crossing
Pr 10m PL 21		2	1	2	1	1		37.0896142	-0.5702161	Crossing
Pr 10m PL 28		2		2				37.0919767	-0.5731036	Crossing
Pr 10m PL 29		1	1	1	1	1		37.0921664	-0.5730284	Transition from UG to OH and Crossing
	6	44	7	44	7	5	23			

Tension	68
Tangent	12
Storage	7
Cable markers	68
Downloads	7
Anchor	5
ADJUSTABLE BRACKET	41

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