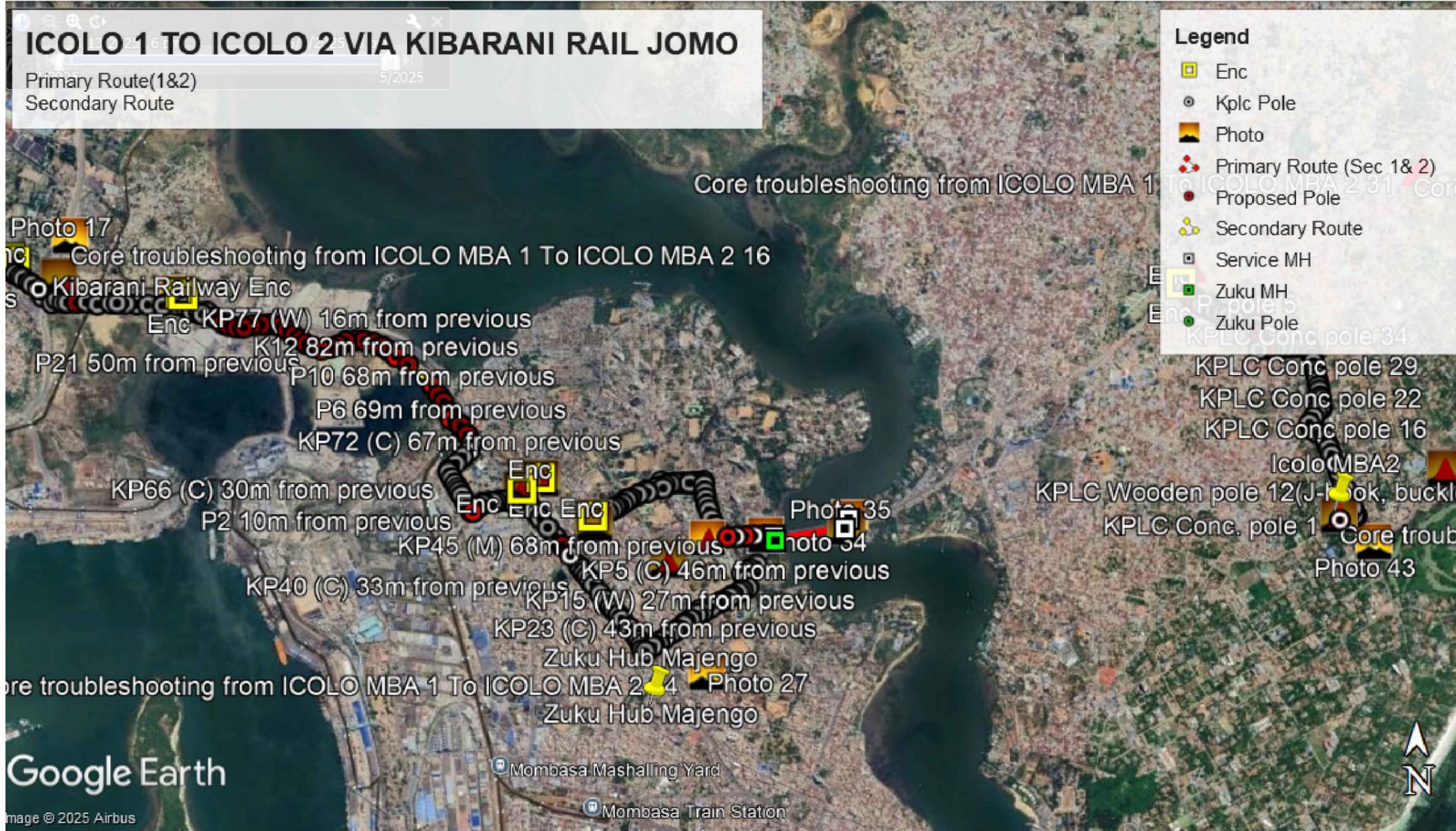


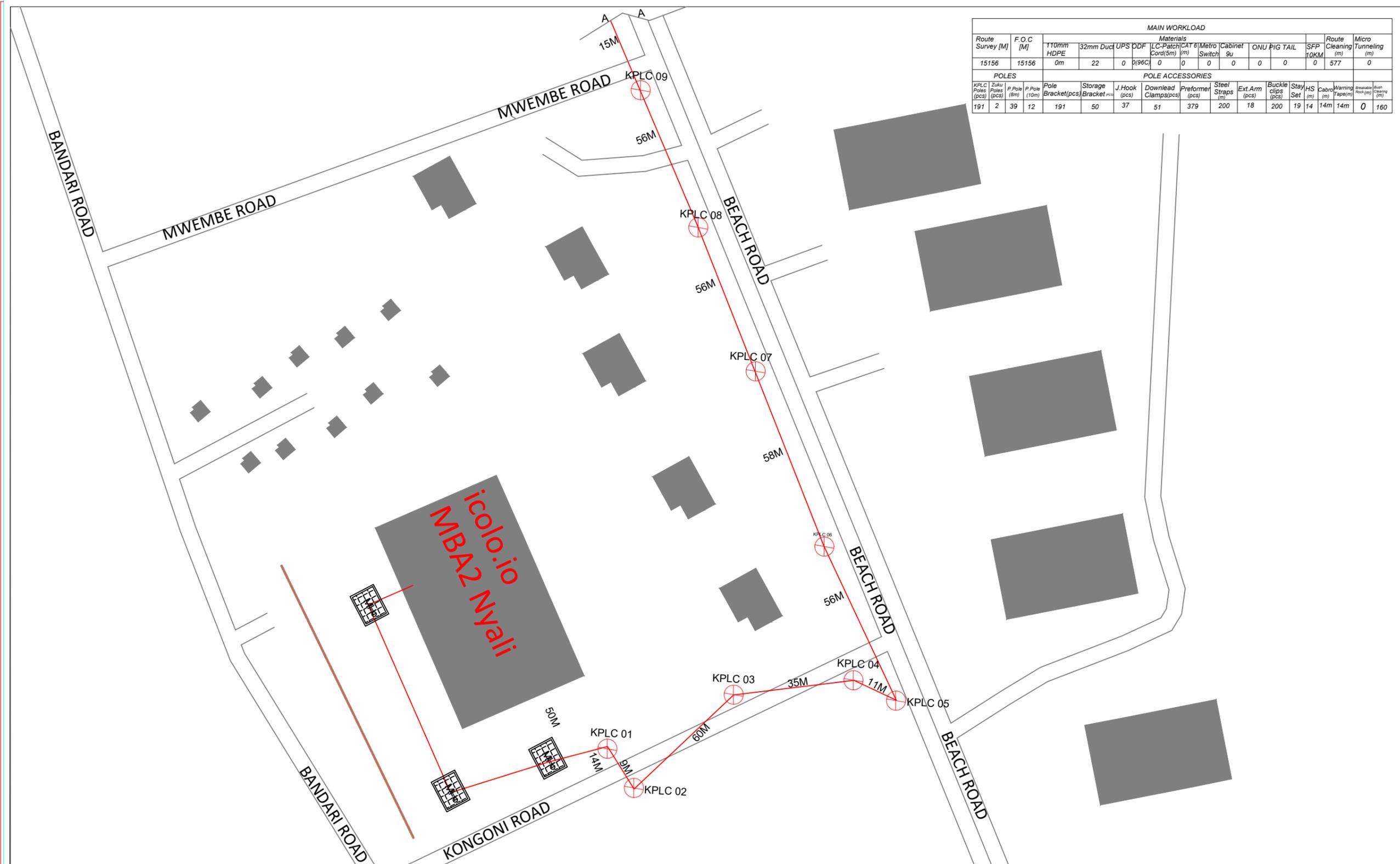
MAIN WORKLOAD															
Route Survey [M]	F.O.C [M]	Materials										Route Cleaning (m)	Micro Tunneling (m)		
		110mm HDPE	32mm Duct	UPS	DDF	LC-Patch Cord(5m)	CAT 6 Switch	Metro Cabinet 9u	ONU	PIG TAIL	SFP 10KM				
15156	15156	0m	22	0	0(96C)	0	0	0	0	0	0	0	0	577	0

POLE ACCESSORIES																	
KPLC Poles (pcs)	Zuku Poles (pcs)	P Pole (8m)	P Pole (10m)	Pole Bracket(pcs)	Storage Bracket	J.Hook (pcs)	Download Clamps(pcs)	Preformet (pcs)	Steel Straps (m)	Ext.Arm (pcs)	Buckle clips (pcs)	Stay Set	HS Cable (m)	Warning Paper(m)	Insulation (m)	Span Clamps (m)	
																	191



<b>KEY</b> Existing Kplc Pole Existing Zuku Pole Proposed Pole Water Body Existing Manhole Existing Zuku Manhole Service Manhole Tree Grass Building	<b>ROUTE</b> PRIMARY FIBER CABLE(96C) SECONDARY FIBER CABLE(96C)	<b>PROJECT:</b> ICOLO 1 TO ICOLO 2 VIA KIBARANI RAIL JOMO Cable Core Size 96Core Cable	<b>CONTRACTOR:</b> KZ TECHNOLOGIES LTD  HZ Technologies Ltd CLIENT: WANANCHI GROUP 	<b>SURVEYOR:</b> MORARA <b>DRAWN BY:</b> LIZ/PHOEBE <b>DESIGN ENGINEERS:</b> LIZ/PHOEBE <b>PROJECT ENGINEER:</b> NJOROGE MUIGAI	<b>REVISIONS</b> <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DESIGN</td> <td>MAY :2025</td> </tr> </tbody> </table>	DESCRIPTION	DATE	DESIGN	MAY :2025	<b>DWG NO.</b> 03-MBS <b>DATE:</b> 07.MAY. 2025	<b>SCALES:</b> HORIZONTAL : 2500
DESCRIPTION	DATE										
DESIGN	MAY :2025										



MAIN WORKLOAD																	
Route Survey [M]	F.O.C [M]	Materials										Route Cleaning [m]	Micro Tunneling [m]				
15156	15156	110mm HDPE	32mm Duct	UPS	ODF	LC-Patch Cord(5m)	CAT 6 Switch	Metro	Cabinet Su	ONU	PIG TAIL	SFP 10KM					
		0m	22	0	0	0	0	0	0	0	0	0	577	0			
POLE ACCESSORIES																	
KPLC Poles (pcs)	Zuku Poles (pcs)	P.Pole (8m)	P.Pole (10m)	Pole Bracket(pcs)	Storage Bracket	J.Hook (pcs)	Download Clamps(pcs)	Preformer (pcs)	Steel Straps (m)	Ext.Arm (pcs)	Buckle clips (pcs)	Stay Set	HS (m)	Cable Warning Tape(m)	Warning Tape(m)	Breakout Box (m)	Bus Coupling (m)
191	2	39	12	191	50	37	51	379	200	18	200	19	14	14m	14m	0	160

**KEY**

- Existing Kplc Pole
- Existing Zuku Pole
- Proposed Pole
- Water Body
- Existing Manhole
- Existing Zuku Manhole
- Service Manhole
- Tree
- Grass
- Building

**ROUTE**

- PRIMARY FIBER CABLE(96C)
- SECONDARY FIBER CABLE(96C)

**PROJECT:**  
ICOLO 1 TO ICOLO 2 VIA KIBARANI RAIL JOMO  
Cable Core Size 96Core Cable

**CONTRACTOR:** KZ TECHNOLOGIES LTD

**CLIENT:** WANANCHI GROUP

**WANANCHI TELECOM**

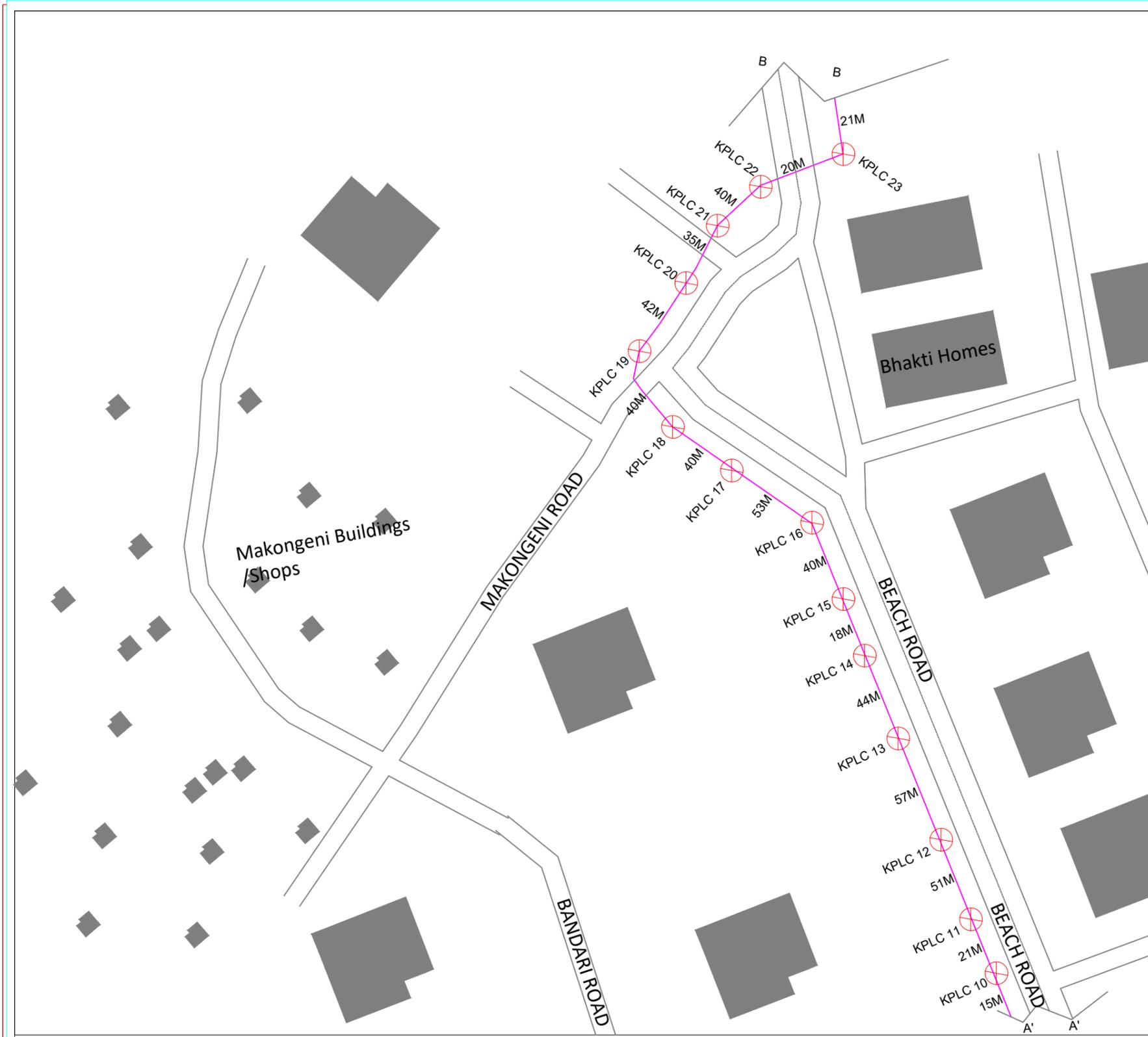
REVISIONS	
DESCRIPTION	DATE
DESIGN	MAY :2025

**SURVEYOR:** MORARA  
**DRAWN BY:** LIZ/PHOEBE  
**DESIGN ENGINEERS:** LIZ/PHOEBE  
**PROJECT ENGINEER:** NJOROGI MUIGAI

DWG NO. 03-MBS
DATE:07.MAY. 2025

**SCALES:**  
HORIZONTAL : 2500

MAIN WORKLOAD																	
Route Survey [M]	F.O.C [M]	Materials										Route Cleaning (m)	Micro Tunneling (m)				
		110mm HDPE	32mm Duct	UPS	ODF	LC-Patch Cord(5m)	CAT 6 (m)	Metro Switch	Cabinet 9u	ONU	PIG TAIL	SFP 10KM					
15156	15156	0m	22	0	0	0	0	0	0	0	0	0	577	0			
POLE ACCESSORIES																	
KPLC Poles (pcs)	Zuku Poles (pcs)	P.Pole (8m)	P.Pole (10m)	Pole Bracket(pcs)	Storage Bracket	J.Hook (pcs)	Downlead Clamps(pcs)	Preformer (pcs)	Steel Straps (m)	Ext.Arm (pcs)	Buckle clips (pcs)	Stay Set (m)	HS (m)	Cable Warning Tape(m)	Warning Rope(m)	Warning Rope(m)	Warning Rope(m)
191	2	39	12	191	50	37	51	379	200	18	200	19	14	14m	14m	0	160



**KEY**

- Existing Kplc Pole
- Existing Zuku Pole
- Proposed Pole
- Water Body
- Existing Manhole
- Existing Zuku Manhole
- Service Manhole
- Tree
- Grass
- Building

**ROUTE**

- PRIMARY FIBER CABLE(96C)
- SECONDARY FIBER CABLE(96C)

**PROJECT:**  
ICOLO 1 TO ICOLO 2 VIA KIBARANI RAIL JOMO  
Cable Core Size 96Core Cable

**CONTRACTOR:** KZ TECHNOLOGIES LTD

KZ Technologies Ltd

**CLIENT:** WANANCHI GROUP

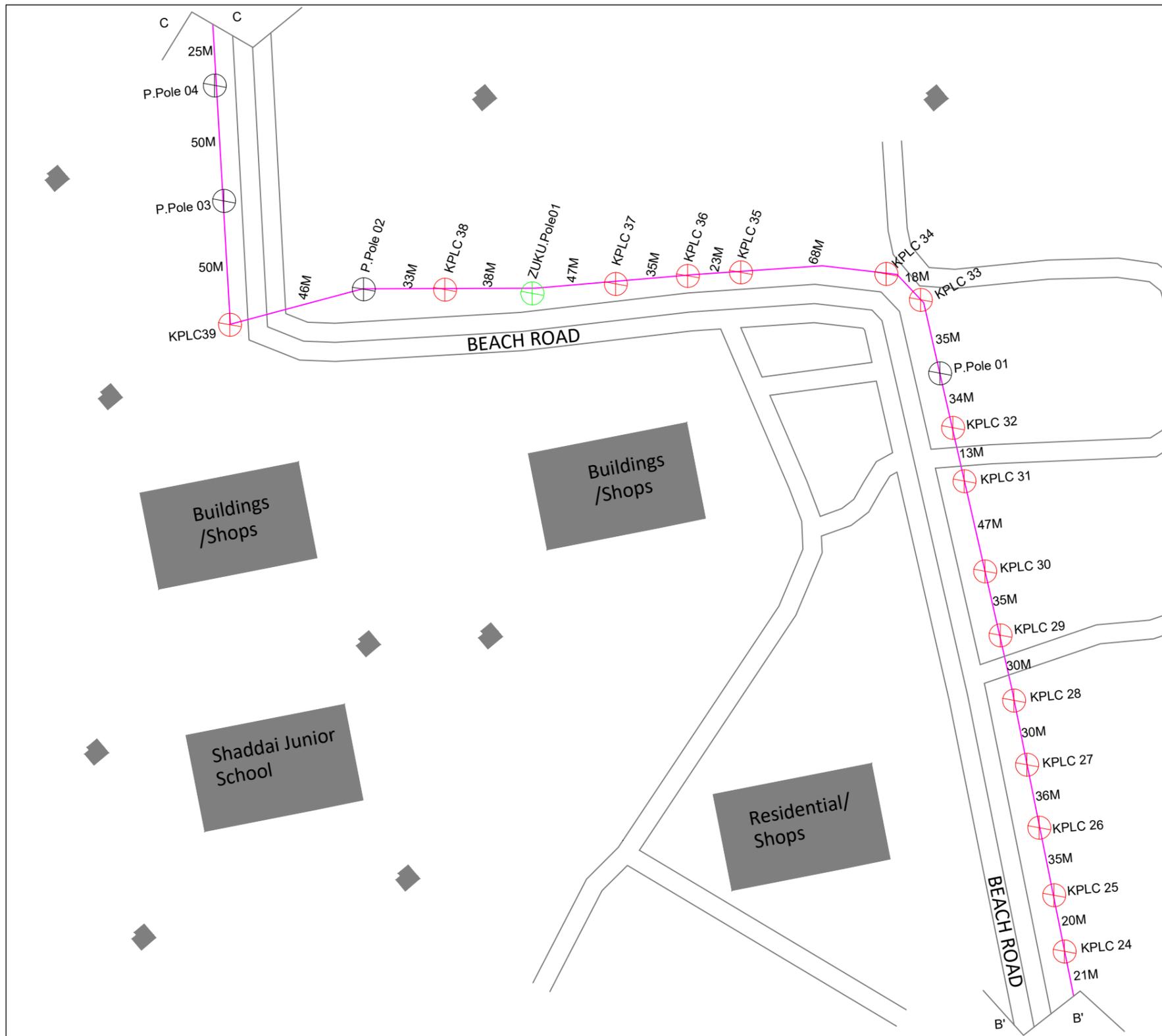
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REVISIONS	
DESCRIPTION	DATE
DESIGN	MAY :2025

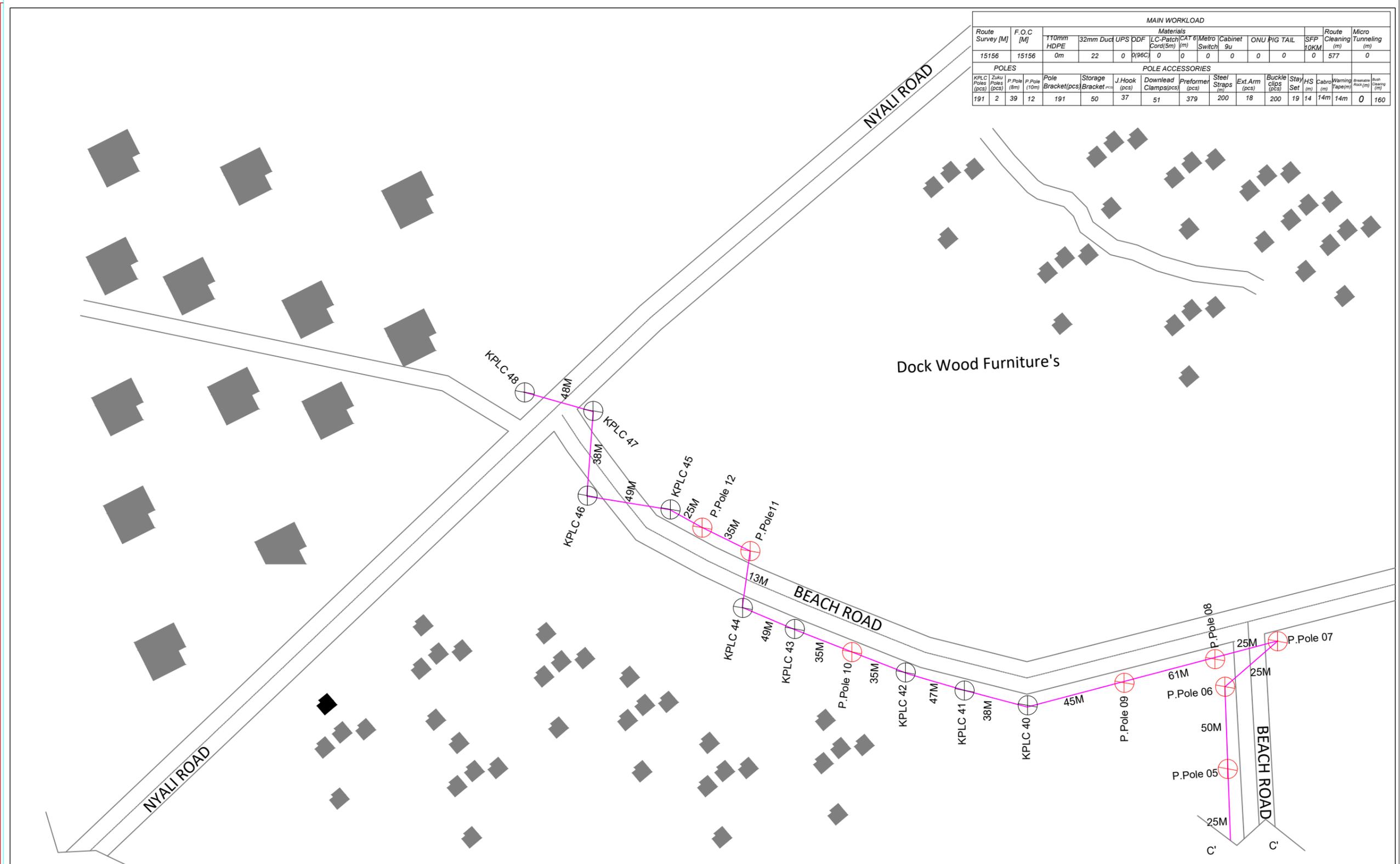
**SURVEYOR:** MORARA  
**DRAWN BY:** LIZ/PHOEBE  
**DESIGN ENGINEERS:** LIZ/PHOEBE  
**PROJECT ENGINEER:** NJOROGE MUIGAI

DWG NO. 03-MBS	SCALES: HORIZONTAL : 2500
DATE:07.MAY. 2025	

MAIN WORKLOAD																	
Route Survey [M]	F.O.C [M]	Materials										Route Cleaning (m)	Micro Tunneling (m)				
		110mm HDPE	32mm Duct	UPS DDF	LC-Patch Cord(5m)	CAT 6 Switch	Metro Cabinet 9u	ONU PIG TAIL	SFP 10KM								
15156	15156	0m	22	0	0	0	0	0	0	0	0	0	577	0			
POLE ACCESSORIES																	
KPLC Poles (pcs)	Zuku Poles (pcs)	P.Pole (8m)	P.Pole (10m)	Pole Bracket(pcs)	Storage Bracket(m)	J.Hook (pcs)	Downlead Clamps(pcs)	Preformer (pcs)	Steel Straps (m)	Ext.Arm (pcs)	Buckle clips (pcs)	Stay Set	HS (m)	Cable Tape(m)	Warning Tape(m)	Breakdown Hook(m)	Span Clamps (m)
191	2	39	12	191	50	37	51	379	200	18	200	19	14	14m	14m	0	160



<b>KEY</b> Existing Kplc Pole Existing Zuku Pole Proposed Pole Water Body Existing Manhole Existing Zuku Manhole Service Manhole Tree Grass Building	<b>ROUTE</b> PRIMARY FIBER CABLE(96C) SECONDARY FIBER CABLE(96C)	<b>CONTRACTOR:</b> KZ TECHNOLOGIES LTD  <b>CLIENT:</b> WANANCHI GROUP 	<b>SURVEYOR:</b> MORARA <b>DRAWN BY:</b> LIZ/PHOEBE <b>DESIGN ENGINEERS:</b> LIZ/PHOEBE <b>PROJECT ENGINEER:</b> NJOROGE MUIGAI				
	<b>PROJECT:</b> ICOLO 1 TO ICOLO 2 VIA KIBARANI RAIL JOMO Cable Core Size 96Core Cable	<b>REVISIONS</b> <table border="1"> <tr> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td>DESIGN</td> <td>MAY :2025</td> </tr> </table>	DESCRIPTION	DATE	DESIGN	MAY :2025	<b>DWG NO.</b> 03-MBS <b>DATE:</b> 07.MAY. 2025
DESCRIPTION	DATE						
DESIGN	MAY :2025						



MAIN WORKLOAD															
Route Survey [M]	F.O.C [M]	Materials										Route Cleaning (m)	Micro Tunneling (m)		
		110mm HDPE	32mm Duct	UPS ODF	LC-Patch Cord(5m)	LC-Patch Cord(1m)	61 Metro Switch	Cabinet 9u	ONU	PIG TAIL	SFP 10KM				
15156	15156	0m	22	0	0	0	0	0	0	0	0	0	0	577	0

POLES		POLE ACCESSORIES															
KPLC Poles (pcs)	Zuku Poles (pcs)	P.Pole (8m)	P.Pole (10m)	Pole Bracket(pcs)	Storage Bracket(pcs)	J.Hook (pcs)	Download Clamps(pcs)	Preformed (pcs)	Steel Straps (m)	Ext.Arm (pcs)	Buckle clips (pcs)	Stay Set (m)	HS (m)	Cable Warning Tape(m)	Warning Tape(m)	Breakable Rock (m)	Brush (m)
191	2	39	12	191	50	37	51	379	200	18	200	19	14	14m	14m	0	160

KEY			
	Existing Kplc Pole		Existing Manhole
	Existing Zuku Pole		Existing Zuku Manhole
	Proposed Pole		Service Manhole
	Water Body		Tree
			Grass
			Building

ROUTE	
	PRIMARY FIBER CABLE(96C)
	SECONDARY FIBER CABLE(96C)

PROJECT:	
ICOLO 1 TO ICOLO 2 VIA KIBARANI RAIL JOMO	
Cable Core Size 96Core Cable	

CONTRACTOR: KZ TECHNOLOGIES LTD

KZ Technologies Ltd

CLIENT: WANANCHI GROUP

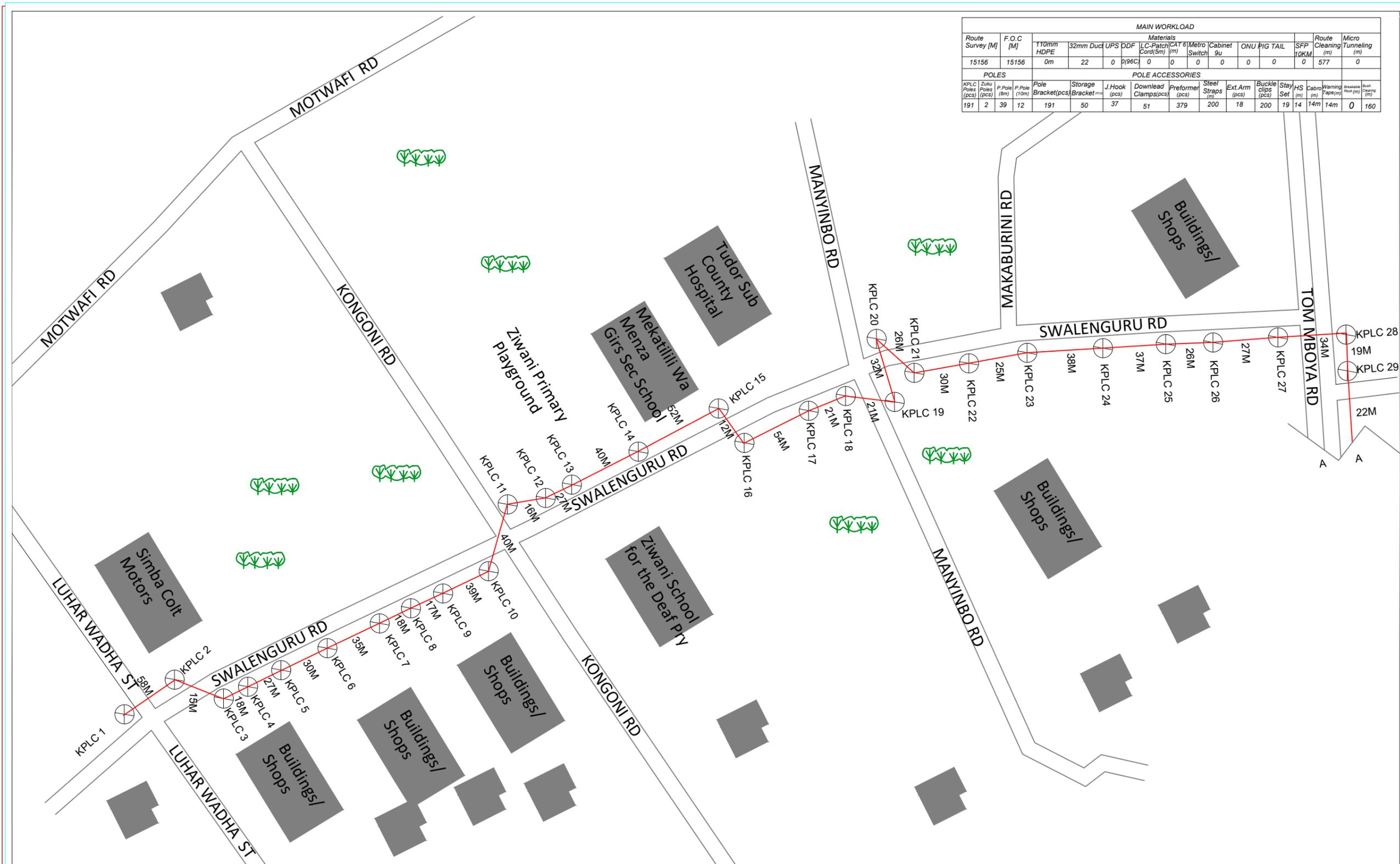
WANANCHI TELECOM

REVISIONS	
DESCRIPTION	DATE
DESIGN	MAY :2025

SURVEYOR: MORARA
DRAWN BY: LIZ/PHOEBE
DESIGN ENGINEERS: LIZ/PHOEBE
PROJECT ENGINEER: NJOROGE MUIGAI

DWG NO. 03-MBS	SCALES: HORIZONTAL : 2500
DATE:07.MAY. 2025	

MAIN WORKLOAD																	
Route Survey [M]	F.O.C [M]	Materials										Route Cleaning (m)	Micro Tunneling (m)				
		110mm HDPE	32mm Duct	UPS	ODF	LC-Patch Cord(3m)	CAT 6 Switch	Metro Cabinet 9u	ONU	PIG TAIL	SFP 10KM						
15156	15156	0m	22	0	0	0	0	0	0	0	0	0	577	0			
POLES		POLE ACCESSORIES															
KPLC Poles (pcs)	Zuku Poles (pcs)	P.Pole (6m)	P.Pole (10m)	Pole Bracket(pcs)	Storage Bracket(m)	J.Hook (pcs)	Download Clamps(pcs)	Preformel (pcs)	Steel Straps (m)	Ext.Arm (pcs)	Buckle clips (pcs)	Stay Set (m)	HS (m)	Cable Tapes(m)	Warning Tape(m)	Accessories (m)	Bus Champs (m)
191	2	39	12	191	50	37	51	379	200	18	200	19	14	14m	14m	0	160



**KEY**

- Existing Kplc Pole
- Existing Zuku Pole
- Proposed Pole
- Water Body
- Existing Manhole
- Existing Zuku Manhole
- Service Manhole
- Tree
- Grass
- Building

**ROUTE**

- PRIMARY FIBER CABLE(96C)
- SECONDARY FIBER CABLE(96C)

**PROJECT:**  
ICOLO 1 TO ICOLO 2 VIA KIBARANI RAIL JOMO  
Cable Core Size 96Core Cable

**CONTRACTOR:** KZ TECHNOLOGIES LTD

**CLIENT:** WANANCHI GROUP

**WANANCHI TELECOM**

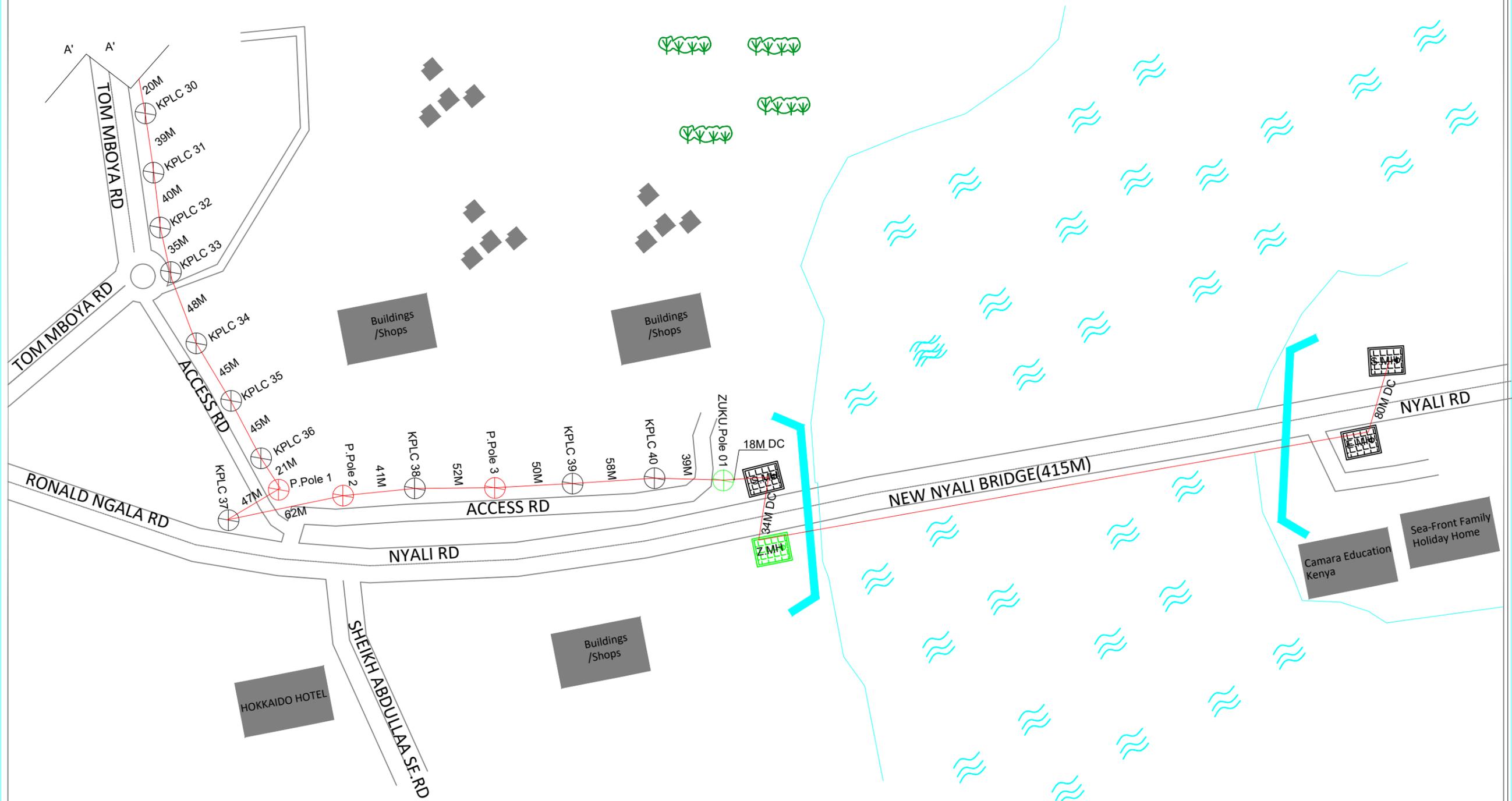
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DESCRIPTION	DATE
DESIGN	MAY :2025

**SURVEYOR:** MORARA  
**DRAWN BY:** LIZ/PHOEBE  
**DESIGN ENGINEERS:** LIZ/PHOEBE  
**PROJECT ENGINEER:** NJOROGI MUIGAI

**DWG NO.** 03-MBS  
**DATE:** 07.MAY. 2025

**SCALES:**  
HORIZONTAL : 2500

MAIN WORKLOAD																	
Route Survey [M]	F.O.C [M]	Materials										Route Cleaning (m)	Micro Tunneling (m)				
		110mm HDPE	32mm Duct	UPS	ODF	LC-Patch Cord(5m)	CAT 6 (m)	Metro Switch	Cabinet 9u	ONU	PIG TAIL			SFP 10KM			
15156	15156	0m	22	0	0	0	0	0	0	0	0	0	577	0			
POLE ACCESSORIES																	
KPLC Poles (pcs)	Zuku Poles (pcs)	P.Pole (6m)	P.Pole (10m)	Pole Bracket(pcs)	Storage Bracket	J.Hook (pcs)	Downlead Clamps(pcs)	Preformer (pcs)	Steel Straps (m)	Ext.Arm (pcs)	Buckle clips (pcs)	Stay Set	HS (m)	Cable (m)	Warning Tape(m)	Accessories (m)	Other (m)
191	2	39	12	191	50	37	51	379	200	18	200	19	14	14m	14m	0	160



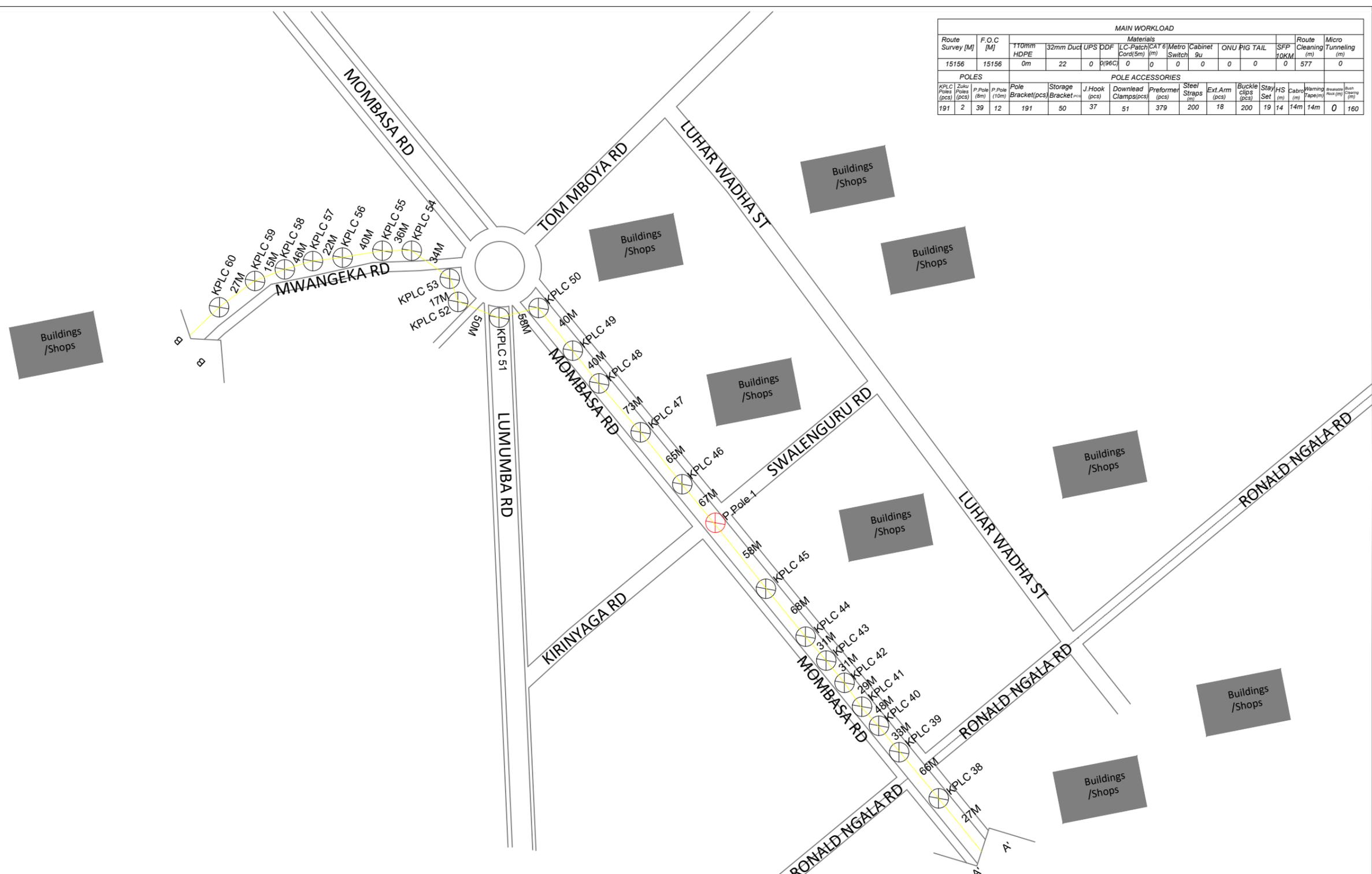
<b>KEY</b> Existing Kplc Pole Existing Zuku Pole Proposed Pole Water Body Existing Manhole Existing Zuku Manhole Service Manhole Tree Grass Building	<b>ROUTE</b> PRIMARY FIBER CABLE(96C) SECONDARY FIBER CABLE(96C)	<b>CONTRACTOR:</b> KZ TECHNOLOGIES LTD  <b>CLIENT:</b> WANANCHI GROUP 	<b>SURVEYOR:</b> MORARA <b>DRAWN BY:</b> LIZ/PHOEBE <b>DESIGN ENGINEERS:</b> LIZ/PHOEBE <b>PROJECT ENGINEER:</b> NJOROGE MUGAI				
	<b>PROJECT:</b> ICOLO 1 TO ICOLO 2 VIA KIBARANI RAIL JOMO Cable Core Size 96Core Cable	<b>REVISIONS</b> <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DESIGN</td> <td>MAY :2025</td> </tr> </tbody> </table>	DESCRIPTION	DATE	DESIGN	MAY :2025	<b>DWG NO.</b> 03-MBS <b>DATE:</b> 07.MAY. 2025
DESCRIPTION	DATE						
DESIGN	MAY :2025						

MAIN WORKLOAD																	
Route Survey [M]	F.O.C [M]	Materials										Route Cleaning (m)	Micro Tunneling (m)				
		110mm HDPE	32mm Duct	UPS	DDF	LC-Patch Cord (5m)	CAT 6 Switch	Metro Cabinet	ONU	FIG TAIL	SFP						
15156	15156	0m	22	0	0	0	0	0	0	0	0	0	577	0			
POLES		POLE ACCESSORIES															
KPLC Poles (pcs)	Zuku Poles (pcs)	P.Pole (8m)	P.Pole (10m)	Pole Bracket (pcs)	Storage Bracket (pcs)	J.Hook (pcs)	Downlead Clamps (pcs)	Preform (pcs)	Steel Straps (mm)	Ext.Arm (pcs)	Buckle clips (pcs)	Stay Set (m)	HS (m)	Cable (m)	Warning Ropes (m)	Shower Caps (m)	
191	2	39	12	191	50	37	51	379	200	18	200	19	14	14m	14m	0	160



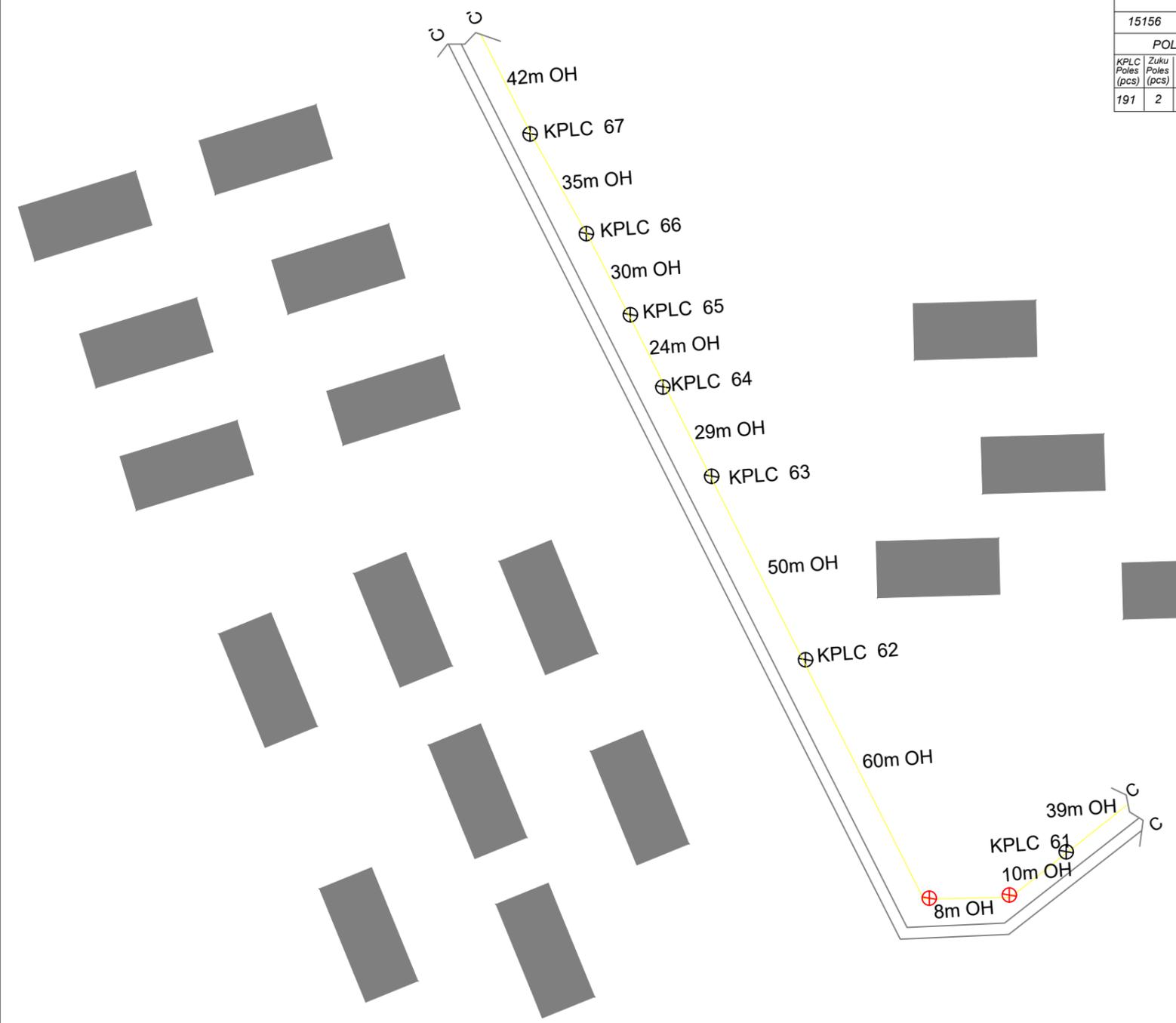
<b>KEY</b> Existing Kplc Pole Existing Zuku Pole Proposed Pole Water Body Existing Manhole Existing Zuku Manhole Service Manhole Tree Grass Building	<b>ROUTE</b> PRIMARY FIBER CABLE(96C) SECONDARY FIBER CABLE(96C)	<b>CONTRACTOR:</b> KZ TECHNOLOGIES LTD  <b>CLIENT:</b> WANANCHI GROUP 	<b>SURVEYOR:</b> MORARA <b>DRAWN BY:</b> LIZ/PHOEBE <b>DESIGN ENGINEERS:</b> LIZ/PHOEBE <b>PROJECT ENGINEER:</b> NJOROGI MUGAI				
	<b>PROJECT:</b> ICOLO 1 TO ICOLO 2 VIA KIBARANI RAIL JOMO Cable Core Size 96Core Cable	<b>REVISIONS</b> <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DESIGN</td> <td>MAY :2025</td> </tr> </tbody> </table>	DESCRIPTION	DATE	DESIGN	MAY :2025	<b>DWG NO.</b> 03-MBS <b>DATE:</b> 07 MAY. 2025
DESCRIPTION	DATE						
DESIGN	MAY :2025						

MAIN WORKLOAD																
Route Survey [M]	F.O.C [M]	Materials														
		110mm HDPE	32mm Duct	UPS	DDF	LC-Patch Cord(5m)	6M Metro Switch	Cabinet 9u	ONU	PIG TAIL	SFP 10KM	Route Cleaning (m)	Micro Tunneling (m)			
15156	15156	0m	22	0	0	0	0	0	0	0	0	0	0			
POLES		POLE ACCESSORIES														
KPLC (pcs)	Zuku (pcs)	P.Pole (8m)	P.Pole (10m)	Pole Bracket(pcs)	Storage Bracket(pcs)	J.Hook (pcs)	Downlead Clamps(pcs)	Preformed (pcs)	Steel Straps (m)	Ext.Arm (pcs)	Buckle clips (pcs)	Stay Set (m)	HS Cable (m)	Warning Tape(m)	Breakout Box (m)	Bus Capacity (m)
191	2	39	12	191	50	37	51	379	200	18	200	19	14	14m	0	160



<b>KEY</b> Existing Kplc Pole Existing Zuku Pole Proposed Pole Water Body Existing Manhole Existing Zuku Manhole Service Manhole Tree Grass Building		<b>ROUTE</b> PRIMARY FIBER CABLE(96C) SECONDARY FIBER CABLE(96C)	<b>PROJECT:</b> ICOLO 1 TO ICOLO 2 VIA KIBARANI RAIL JOMO Cable Core Size 96Core Cable	<b>CONTRACTOR:</b> KZ TECHNOLOGIES LTD  <b>CLIENT:</b> WANANCHI GROUP 	<b>SURVEYOR:</b> MORARA <b>DRAWN BY:</b> LIZ/PHOEBE <b>DESIGN ENGINEERS:</b> LIZ/PHOEBE <b>PROJECT ENGINEER:</b> NJOROGE MUIGAI	<b>REVISIONS</b> <table border="1"> <tr> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td>DESIGN</td> <td>MAY :2025</td> </tr> </table>	DESCRIPTION	DATE	DESIGN	MAY :2025	<b>DWG NO.</b> 03-MBS <b>DATE:</b> 07.MAY. 2025	<b>SCALES:</b> HORIZONTAL : 2500
DESCRIPTION	DATE											
DESIGN	MAY :2025											

MAIN WORKLOAD																	
Route Survey [M]	F.O.C [M]	Materials										Route Cleaning (m)	Micro Tunneling (m)				
		110mm HDPE	32mm Duct	UPS	ODF	LC-Patch Cord(5m)	CAT 6 (m)	Metro Switch	Cabinet 9u	ONU	PIG TAIL			SFP 10KM			
15156	15156	0m	22	0	0(96C)	0	0	0	0	0	0	0	577	0			
POLES					POLE ACCESSORIES												
KPLC Poles (pcs)	Zuku Poles (pcs)	P.Pole (8m)	P.Pole (10m)	Pole Bracket(pcs)	Storage Bracket (pcs)	J.Hook (pcs)	Downlead Clamps(pcs)	Preformer (pcs)	Steel Straps (m)	Ext.Arm (pcs)	Buckle clips (pcs)	Stay Set (m)	HS (m)	Cabro (m)	Warning Tape(m)	Breakable Rock (m)	Bush Clearing (m)
191	2	39	12	191	50	37	51	379	200	18	200	19	14	14m	14m	0	160



KEY			
			Tree
			Grass
			Building

ROUTE	
	PRIMARY FIBER CABLE(96C)
	SECONDARY FIBER CABLE(96C)

PROJECT:
ICOLO 1 TO ICOLO 2 VIA KIBARANI RAIL JOMO
Cable Core Size 96Core Cable

CONTRACTOR: KZ TECHNOLOGIES LTD

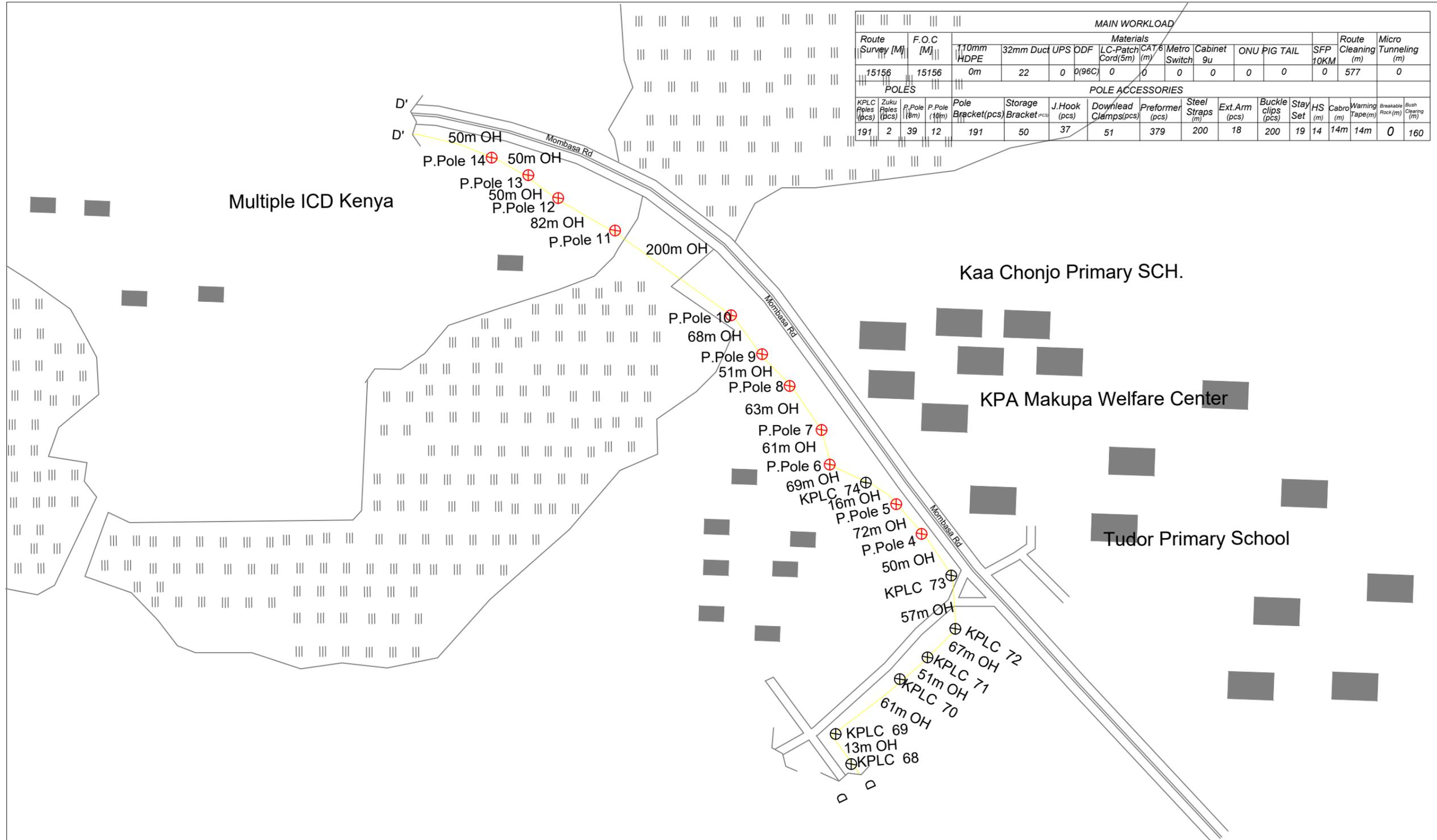
KZ Technologies Ltd  
CLIENT: WANANCHI GROUP

REVISIONS	
DESCRIPTION	DATE
DESIGN	MAY :2025

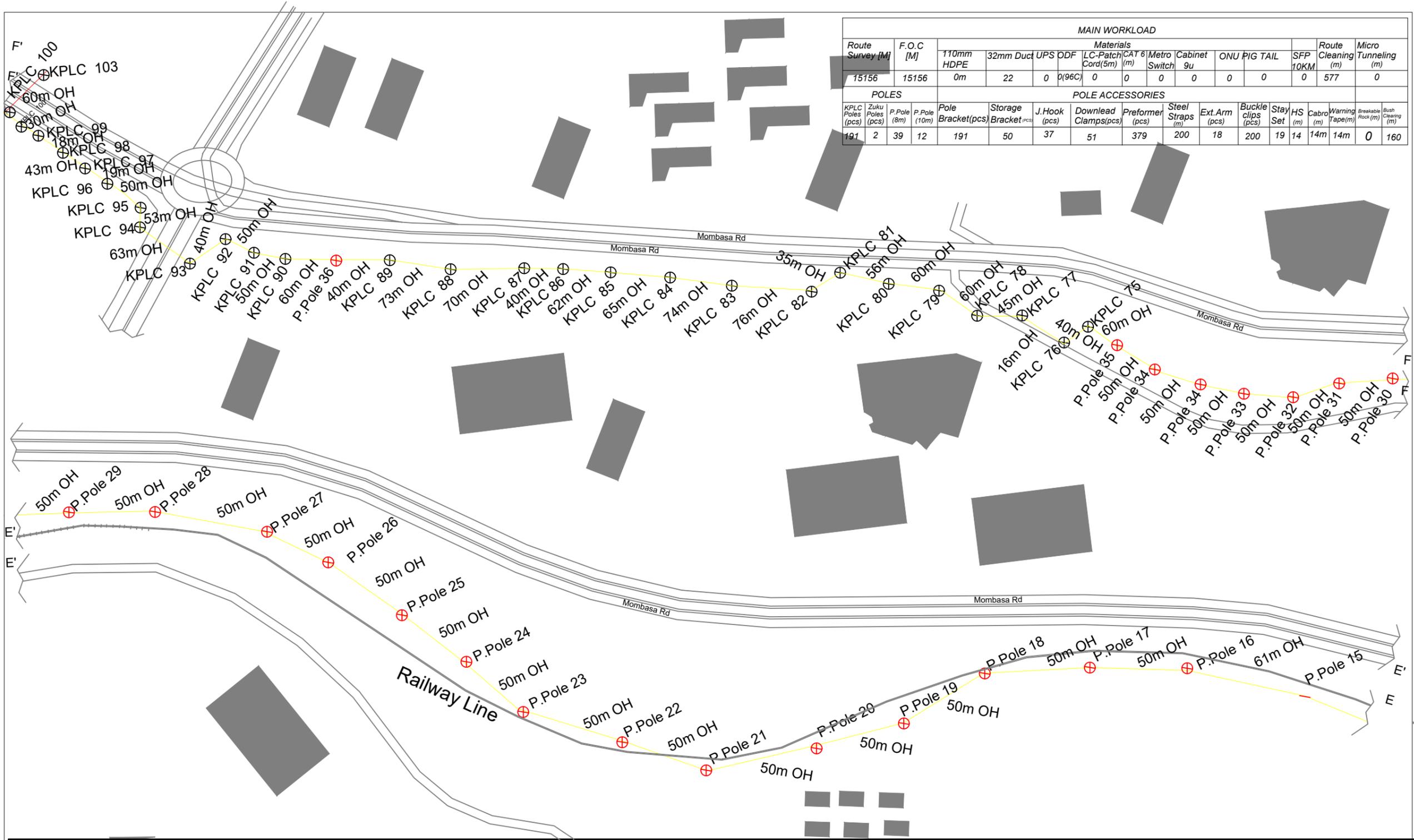
SURVEYOR: MORARA
DRAWN BY: LIZ/PHOEBE
DESIGN ENGINEERS: LIZ/PHOEBE
PROJECT ENGINEER: NJOROGE MUIGAI

DWG NO. 03-MBS	SCALES:
DATE:07.MAY. 2025	HORIZONTAL : 2500

Route		F.O.C		MAIN WORKLOAD												Route		Micro	
Survey (M)	[M]	110mm HDPE	32mm Duct	UPS	ODF	LC-Patch Cord(5m)	CAT 6	Metro Switch	Cabinet 9u	ONU	PIG TAIL	SFP 10KM	Cleaning (m)	Tunneling (m)					
15156	15156	0m	22	0	0(96C)	0	0	0	0	0	0	0	577	0					
POLES				POLE ACCESSORIES															
KPLC Poles (pcs)	Zuku Poles (pcs)	P.Pole (8m)	P.Pole (14m)	Pole Bracket(pcs)	Storage Bracket(pcs)	J.Hook (pcs)	Downlead Clamps(pcs)	Preformer (pcs)	Steel Straps (m)	Ext.Arm (pcs)	Buckle clips (pcs)	Stay Set	HS (m)	Cabro (m)	Warning Tape(m)	Breakable Rock (m)	Bush Clearing (m)		
191	2	39	12	191	50	37	51	379	200	18	200	19	14	14m	14m	0	160		

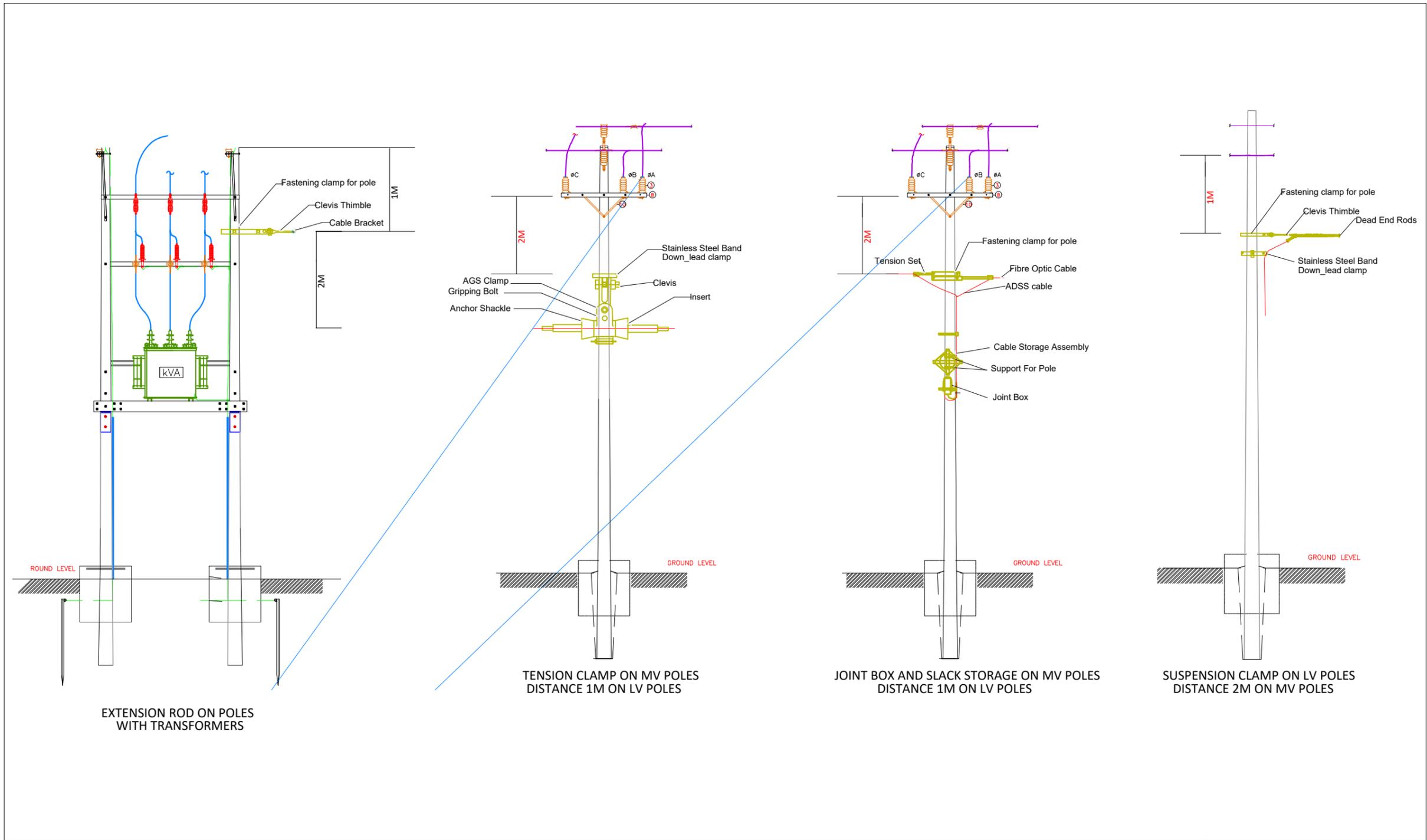


<b>KEY</b> Existing Kplc Pole Existing Zuku Pole Proposed Pole Water Body Existing Manhole Existing Zuku Manhole Service Manhole Tree Grass Building	<b>ROUTE</b> PRIMARY FIBER CABLE(96C) SECONDARY FIBER CABLE(96C)	<b>CONTRACTOR:</b> KZ TECHNOLOGIES LTD  <b>CLIENT:</b> WANANCHI GROUP 	<b>SURVEYOR:</b> MORARA <b>DRAWN BY:</b> LIZ/PHOEBE <b>DESIGN ENGINEERS:</b> LIZ/PHOEBE <b>PROJECT ENGINEER:</b> NJOROGI MUIGAI									
	<b>PROJECT:</b> ICOLO 1 TO ICOLO 2 VIA KIBARANI RAIL JOMO Cable Core Size 96Core Cable	<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DESIGN</td> <td>MAY :2025</td> </tr> </tbody> </table>	REVISIONS		DESCRIPTION	DATE	DESIGN	MAY :2025	<table border="1"> <tr> <td>DWG NO. 03-MBS</td> <td>SCALES:</td> </tr> <tr> <td>DATE:07.MAY. 2025</td> <td>HORIZONTAL : 2500</td> </tr> </table>	DWG NO. 03-MBS	SCALES:	DATE:07.MAY. 2025
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MAIN WORKLOAD																	
Route Survey [M]	F.O.C [M]	Materials										Route Cleaning (m)	Micro Tunneling (m)				
		110mm HDPE	32mm Duct	UPS	DDF	LC-Patch Cord(5m)	CAT 6 (m)	Metro Switch	Cabinet 9u	ONU	PIG TAIL			SFP 10KM			
15156	15156	0m	22	0	0(96C)	0	0	0	0	0	0	0	0	577	0		
POLES				POLE ACCESSORIES													
KPLC Poles (pcs)	Zuku Poles (pcs)	P.Pole (8m)	P.Pole (10m)	Pole Bracket(pcs)	Storage Bracket	J.Hook (pcs)	Downlead Clamps(pcs)	Preformer (pcs)	Steel Straps (m)	Ext.Arm (pcs)	Buckle clips (pcs)	Stay Set	HS (m)	Cabro (m)	Warning Tape(m)	Breakable Rock (m)	Bush Clearing (m)
191	2	39	12	191	50	37	51	379	200	18	200	19	14	14m	14m	0	160

<b>KEY</b> Existing Kplc Pole Existing Zuku Pole Proposed Pole Water Body Existing Manhole Existing Zuku Manhole Service Manhole Tree Grass Building	<b>ROUTE</b> PRIMARY FIBER CABLE(96C) SECONDARY FIBER CABLE(96C)	<b>PROJECT:</b> ICOLO 1 TO ICOLO 2 VIA KIBARANI RAIL JOMO Cable Core Size 96Core Cable	<b>CONTRACTOR:</b> KZ TECHNOLOGIES LTD  <b>CLIENT:</b> WANANCHI GROUP 	<b>SURVEYOR:</b> MORARA <b>DRAWN BY:</b> LIZ/PHOEBE <b>DESIGN ENGINEERS:</b> LIZ/PHOEBE <b>PROJECT ENGINEER:</b> NJOROGE MUIGAI	<b>REVISIONS</b> <table border="1"> <thead> <tr> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DESIGN</td> <td>MAY :2025</td> </tr> </tbody> </table>	DESCRIPTION	DATE	DESIGN	MAY :2025	<b>DWG NO.</b> 03-MBS <b>DATE:</b> 07.MAY. 2025	<b>SCALES:</b> HORIZONTAL : 2500
	DESCRIPTION	DATE									
DESIGN	MAY :2025										



EXTENSION ROD ON POLES WITH TRANSFORMERS

TENSION CLAMP ON MV POLES  
DISTANCE 1M ON LV POLES

JOINT BOX AND SLACK STORAGE ON MV POLES  
DISTANCE 1M ON LV POLES

SUSPENSION CLAMP ON LV POLES  
DISTANCE 2M ON MV POLES

KEY


ROUTE

	PRIMARY FIBER CABLE(96C)
	SECONDARY FIBER CABLE(96C)

PROJECT:  
ICOLO 1 TO ICOLO 2 VIA KIBARANI RAIL JOMO  
Cable Core Size 96Core Cable

CONTRACTOR: KZ TECHNOLOGIES LTD

HZ Technologies Ltd  
CLIENT: WANANCHI GROUP

REVISIONS	
DESCRIPTION	DATE
DESIGN	MAY :2025

SURVEYOR: MORARA  
DRAWN BY: LIZ/PHOEBE  
DESIGN ENGINEERS: LIZ/PHOEBE  
PROJECT ENGINEER: NJOROGI MUIGAI

DWG NO. 03-MBS
DATE:07.MAY. 2025

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