

Co-signature			
Subject			
Name			
Date			



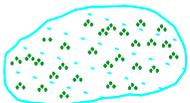
PRD  
FOR

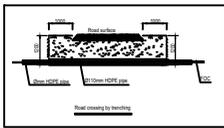


# FIBER OPTIC WORKS

## CHUKA KIBUMBU

Date	
Name	
Subject	
Co-signature	

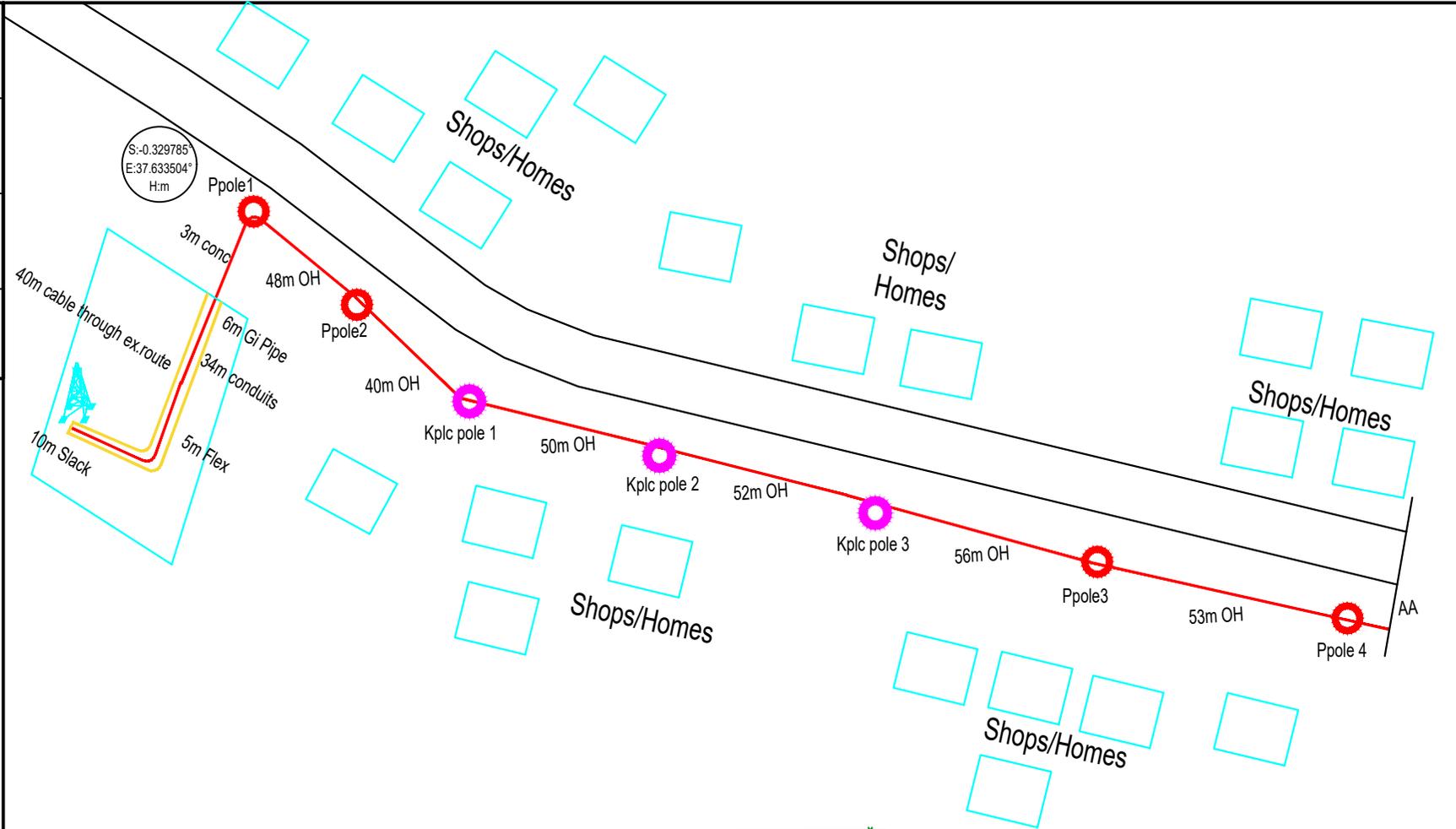
-  New Route
-  Existing Duct
-  Handhole
-  Existing manhole
-  New Manhole
-  Existing Kplc Pole
-  Existing LIT Pole
-  Proposed Pole(P.P)
-  OFC joint
-  MIDSPAN LOOP (10meters length for maintenance) INSIDE MANHOLE
-  SPLICE LOOP (15meters each side of OFC) INSIDE MANHOLE
-  Power cable
-  Internet cable (CAT6)
-  Existing equipment
-  New equipment
-  A Drawing connect
-  Ω10 Cable reservation in man hole
-  Label for special case
-  Tree
-  Dry land
-  Hurst
-  Grass
-  Building
-  Concrete bridge
-  metallic bridge
-  Culvert
-  River
-  Swamp
-  Groove
-  Electric line
-  Railway
-  Drainage
-  mountain or hill
-  Road and street
-  Under construction road
-  Pond or lake
-  Compass
-  GPS
-  Fence
-  Oil site
-  Tower



RC

LIQUID INTELLIGENT TECHNOLOGIES		CALIKEN NETWORKS		PROJECT NAME :		DRAWING NAME :			
APPROVED BY		CHECKED BY		AIRTEL		CHUKA KIBUMBU			
DATE		DATE		DESIGN MANAGER:	Drawing BY:	DATE:	SCALE:	VERSION	
					ELIZABETH	05/07/2024	N/A	VER.1	
Drawing No:2									

Date	
Name	
Subject	
Co-signature	



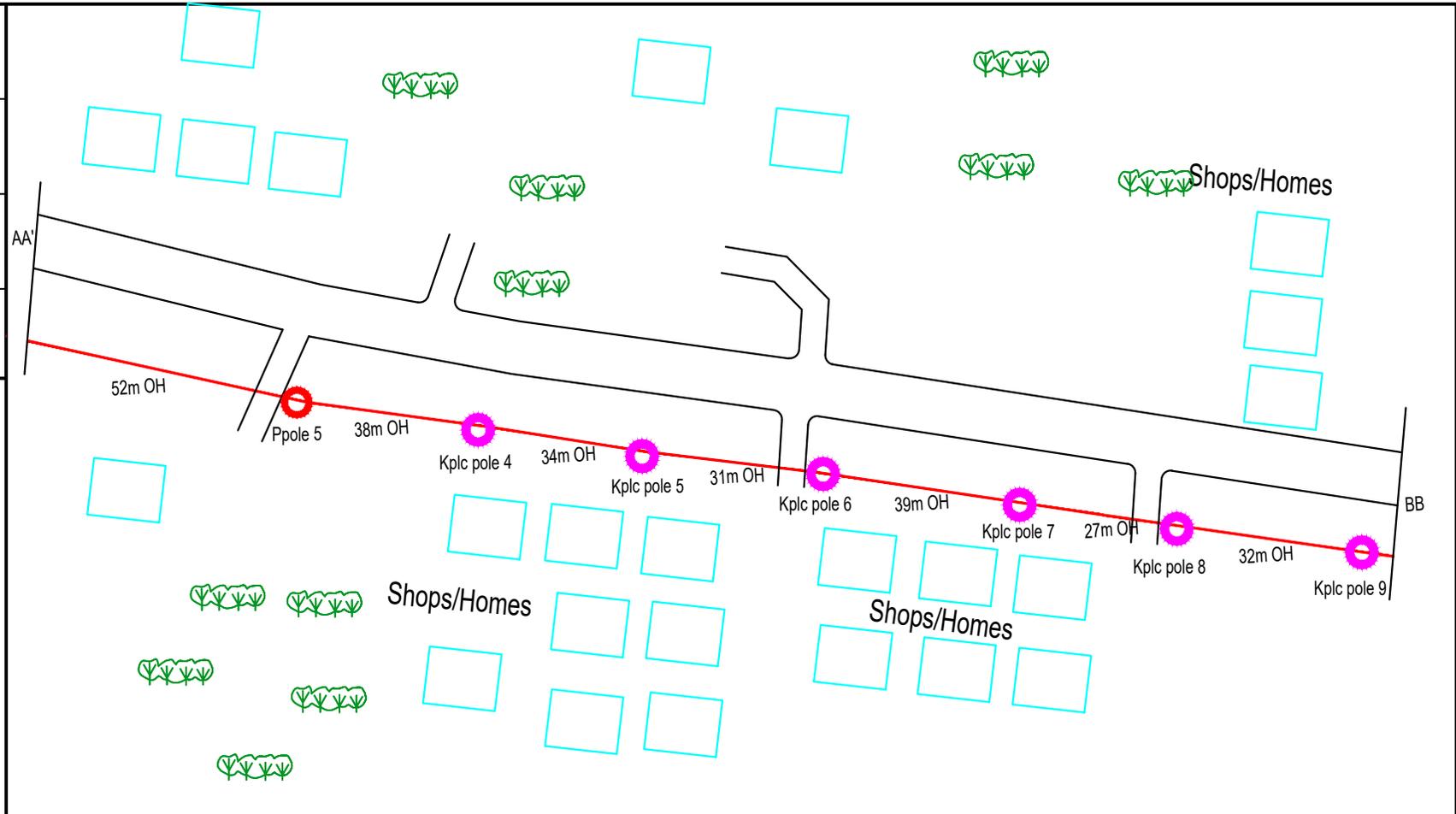
Main Workload																									
Route	Route clean	Break and recover road surface				OSP Soil Profile			ISP SCOPE				ADSS Scope												
		ASP	CON	Slab	Cabro	Tar	HS	BR	HR	GI Pipe (pcs)	Flex (m)	Conduits (pcs)	Joint Box (pcs)	Warning tape	Manhole (pcs)	PVC (Pcs)	P.P (8m)	P.P (10m)	P.P (12m)	Kplc Poles	EX.LIT Poles	Linear O.H Cable(m)	Storage B (pcs)	ADSS Slag(m)	ADSS Survey
1866	15	0	5	0	0	0	15	0	0	12	15	33	0	20	0	0	11	2	0	24	0	1418	4	140	1558

HDPEΦ110		Concrete envelop		1 way Micro duct		2 way 32mm duct		Breaking wall (pcs)		Breaking ceiling (pcs)		Open window in manhole (pcs)		BOSAL Works	
Thrustboring	Bridg/ Drng	Trenching			Existing duct	Trenching						Above 5m	Under 5m		
0	0	0	0	0	0	32	0	0	0	0	0	0	0	0	

LIQUID INTELLIGENT TECHNOLOGIES		CALIKEN NETWORKS	
	APPROVED BY		CHECKED BY
	DATE		DATE

PROJECT NAME :				DRAWING NAME :			
LIQUID TECOM FIBER BUILDING ENTRIES				MUTONGA			
DESIGN MANAGER:	Drawing BY:	DATE:	SCALE:	VERSION			
	ELIZABETH	05/07/2024	N/A	VER.1			
Drawing No:3							

Date
Name
Subject
Co-signature

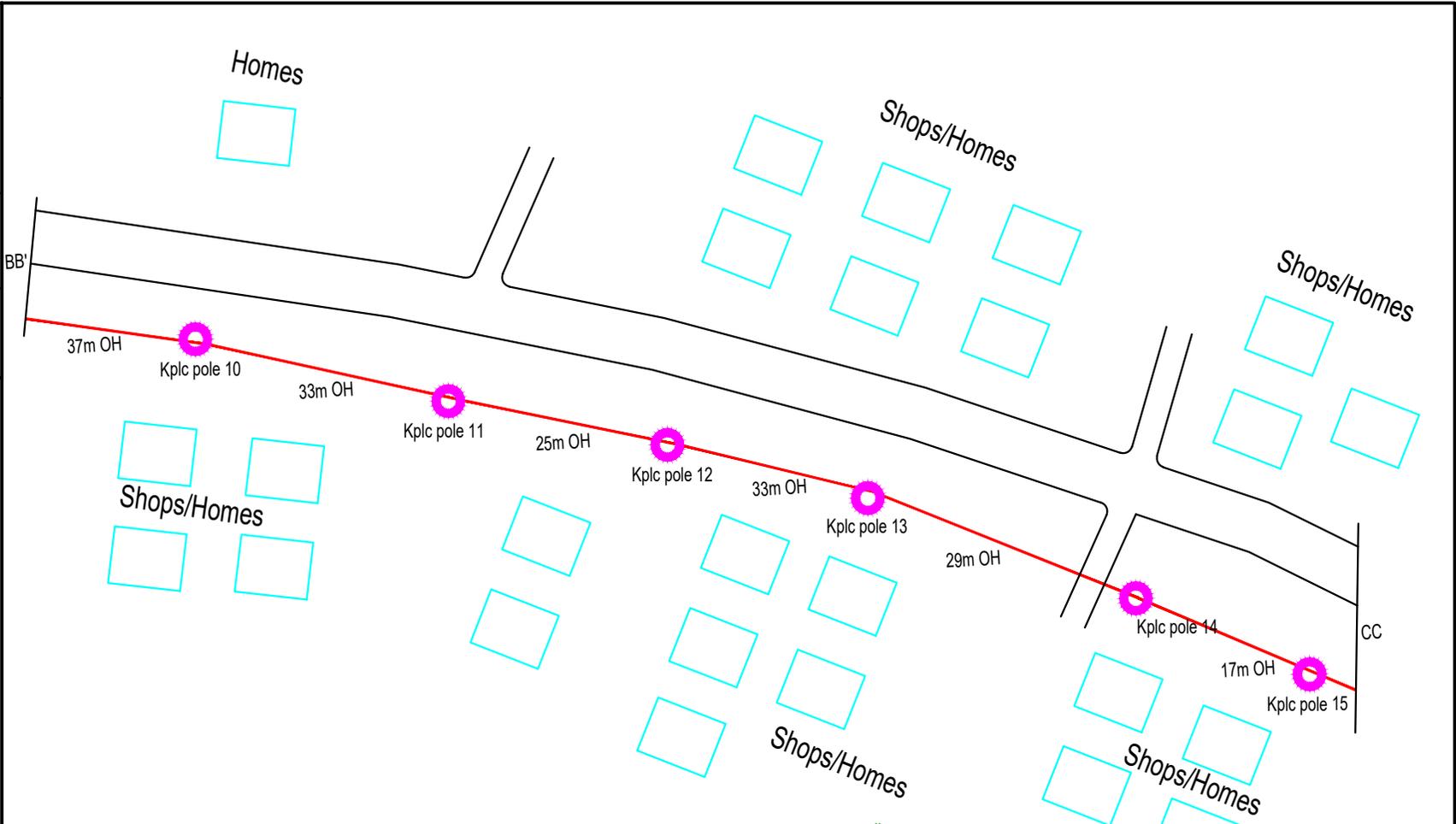


Main Workload																									
Route survey	Break and recover road surface					OSP Soil Profile				ISP SCOPE				Joint Box (pcs)	Warning tape	Manhole (pcs)	PVC (Pcs)	ADSS Scope							
	Route clean	ASP.	CON.	Slab	Cabro	Tar.	HS.	BR	HR	Gl. Pipe (pcs)	Flex (m)	Conduits (pcs)	P.P (8m)					P.P (10m)	P.P (12m)	Kplc Poles	Ex. LIT Poles	Linear O.H Cable(m)	Storage B (pcs)	ADSS Slag(m)	ADSS Survey
1866	15	0	5	0	0	0	15	0	0	12	15	33	0	20	0	0	11	2	0	24	0	1418	4	140	1558

HDPE Ø110		Concrete envelop	1 way Micro duct	2 way 32mm duct Existing duct	Breaking wall (pcs)	Breaking ceiling (pcs)	Open window in manhole (pcs)	BOSAL Works	
Thrust/booring	Bridge/Drng							Trenching	Above 5m
0	0	0	0	0	32	0	0	0	0

LIQUID INTELLIGENT TECHNOLOGIES		CALIKEN NETWORKS		PROJECT NAME :		DRAWING NAME :	
APPROVED BY		Kplc pole 24		LIQUID TECOM FIBER BUIDING ENTRIES		MUTONGA	
DATE		CHECKED BY		DESIGN MANAGER:		SCALE:	
		DATE		Drawing BY:		VERSION	
				ELIZABETH		VER.1	
				05/07/2024		N/A	
				Drawing No:3			

Co-signature	Subject	Name	Date



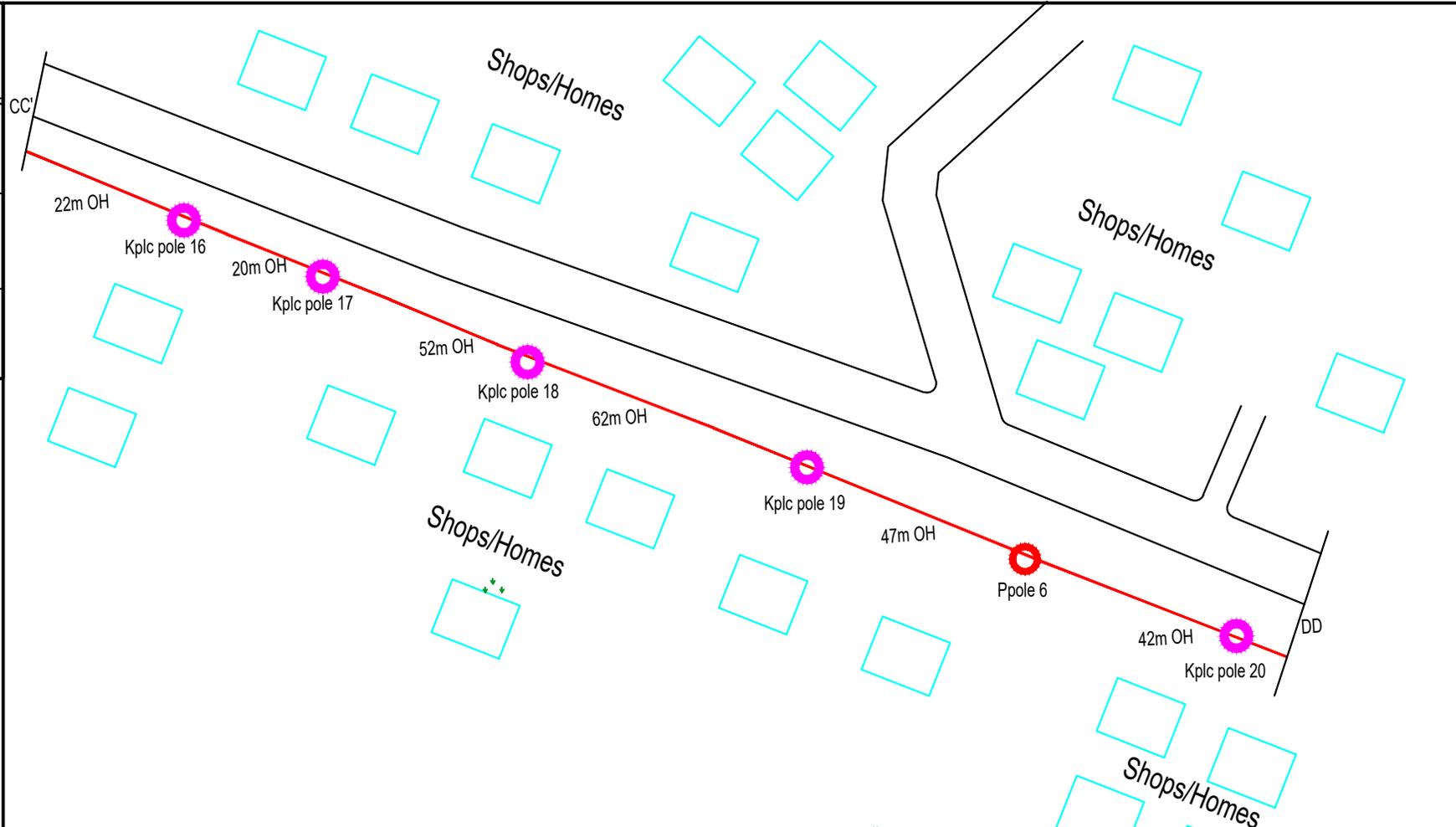
Main Workload																									
Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE				Joint Box (pcs)	Warning tape	Manhole (pcs)	PVC (Pcs)	ADSS Scope							
		ASP	CON.	Slab	Cabro	Tar.	HS.	BR	HR	GI Pipe (pcs)	Flex (m)	Conduits (pcs)	P.P (8m)					P.P (10m)	P.P (12m)	Kplc Poles	Ex.LIT Poles	Linear OH Cable(m)	Storage B (pcs)	ADSS Slag(m)	ADSS Survey
1866	15	0	5	0	0	0	15	0	0	12	15	33	0	20	0	0	11	2	0	24	0	1418	4	140	1558

HDPE Ø110		Concrete envelop	1 way Micro duct	2 way 32mm duct		Breaking wall (pcs)	Breaking ceiling (pcs)	Open window in manhole (pcs)	BOSAL Works	
Thrustboring	Bridge/Dmg			Existing duct	Trenching				Above 5m	Under 5m
0	0	0	0	0	32	0	0	0	0	0

	APPROVED BY		CHECKED BY
	DATE		DATE

PROJECT NAME :		DRAWING NAME :	
LIQUID TECOM FIBER BUILDING ENTRIES		MUTONGA	
DESIGN MANAGER:	Drawing BY:	DATE:	SCALE:
	ELIZABETH	05/07/2024	N/A
Drawing No:3		VERSION	VER.1

Date
Name
Subject
Co-signature



Main Workload																								
Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE			Joint Box(pcs)	Warning tape	Manhole (pcs)	PVC (Pcs)	ADSS Scope							
		ASP.	CON.	Slab	Cabro	Tar.	HS.	BR	HR	Gl.Pipe (pcs)	Flex (m)	Conduits (pcs)					P.P (8m)	P.P (10m)	P.P (12m)	Kolc Poles	EX.LIT Poles	Linear O.H Cable(m)	Storage B (pcs)	ADSS Slag(m)
1866	15	0	5	0	0	15	0	0	12	15	33	0	20	0	0	11	2	0	24	0	1418	4	140	1558

HDPEΦ110		Concrete envelop	1 way Micro duct	2 way 32mm duct		Breaking wall(pcs)	Breaking ceiling(pcs)	Open window in manhole(pcs)	BOSAL Works	
Thrustboring	Bridge/Drmg			Existing duct	Trenching				Above 5m	Under 5m
0	0	0	0	0	32	0	0	0	0	0

LIQUID INTELLIGENT TECHNOLOGIES

APPROVED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

LIQUID INTELLIGENT TECHNOLOGIES

CALIKEN NETWORKS

Checked By: \_\_\_\_\_

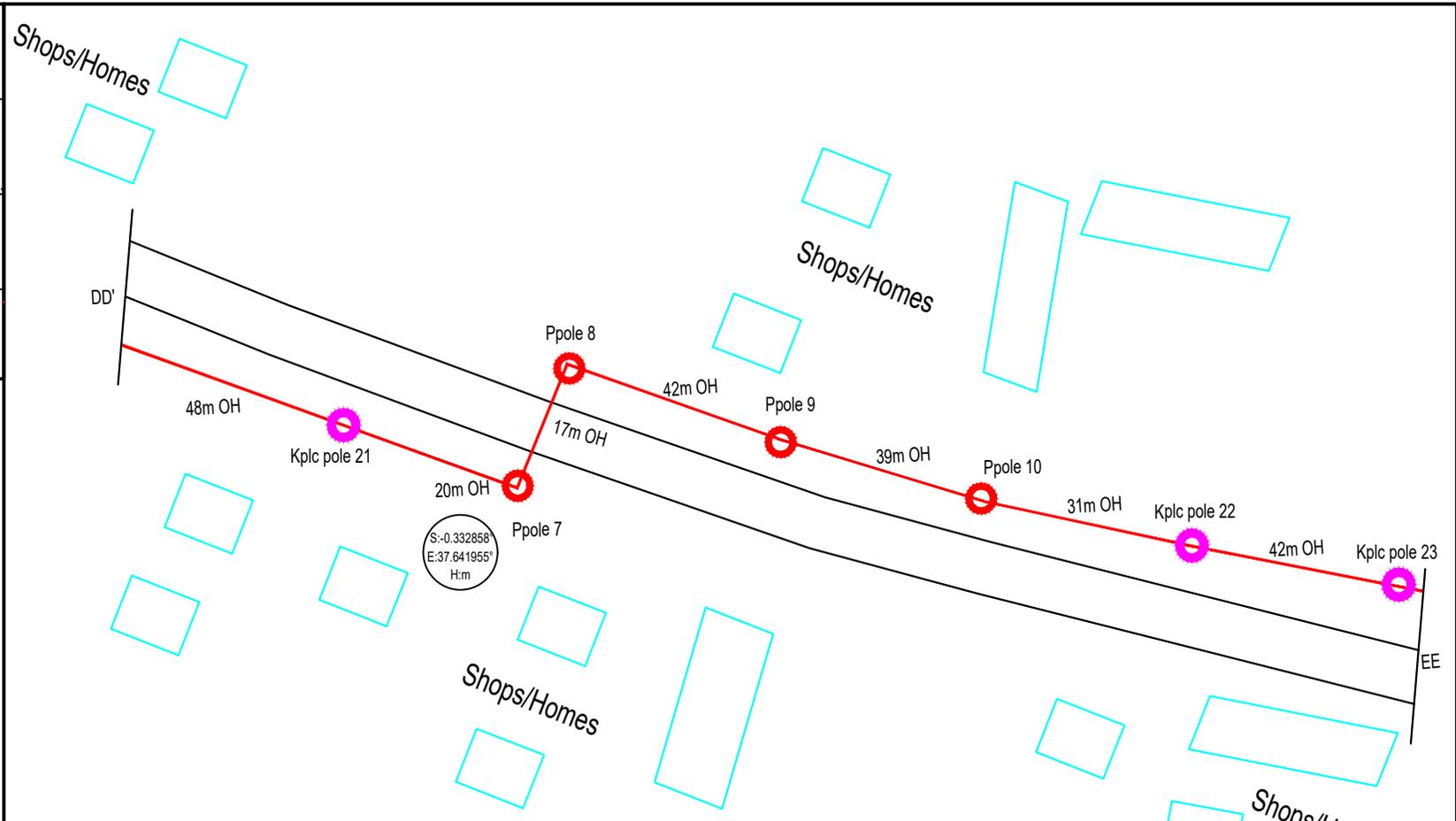
DATE: \_\_\_\_\_

CALIKEN NETWORKS

PROJECT NAME :	DRAWING NAME :			
LIQUID TECOM FIBER BUILDING ENTRIES	MUTONGA			
DESIGN MANAGER:	DRAWING BY:	DATE:	SCALE:	VERSION
	ELIZABETH	05/07/2024	N/A	VER.1

Drawing No:3

Co-signature	Subject	Name	Date



Main Workload																									
Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE				Joint Box(pcs)	Warning tape	Manhole (pcs)	PVC (Pcs)	ADSS Scope							
		ASP	CON	Slab	Cabro	Tar.	HS.	BR	HR	Ct Pipe (pcs)	Hex (m)	Conduits (pcs)	P.P (8m)					P.P (10m)	P.P (12m)	Kplc Poles	EX LIT Poles	Linear Cable(m)	Storage B (pcs)	ADSS Slag(m)	ADSS Survey
1866	15	0	5	0	0	0	15	0	0	12	15	33	0	20	0	0	11	2	0	24	0	1418	4	140	1558

HDPEΦ110	Concrete envelop	1 way Micro duct	2 way 32mm duct	Breaking wall(pcs)	Breaking ceiling(pcs)	Open window in manhole(pcs)	BOSAL Works
Thrustoring	Bridge/ Dmg	Trenching	Existing duct	Trenching		Above 5m	Under 5m
0	0	0	0	0	32	0	0

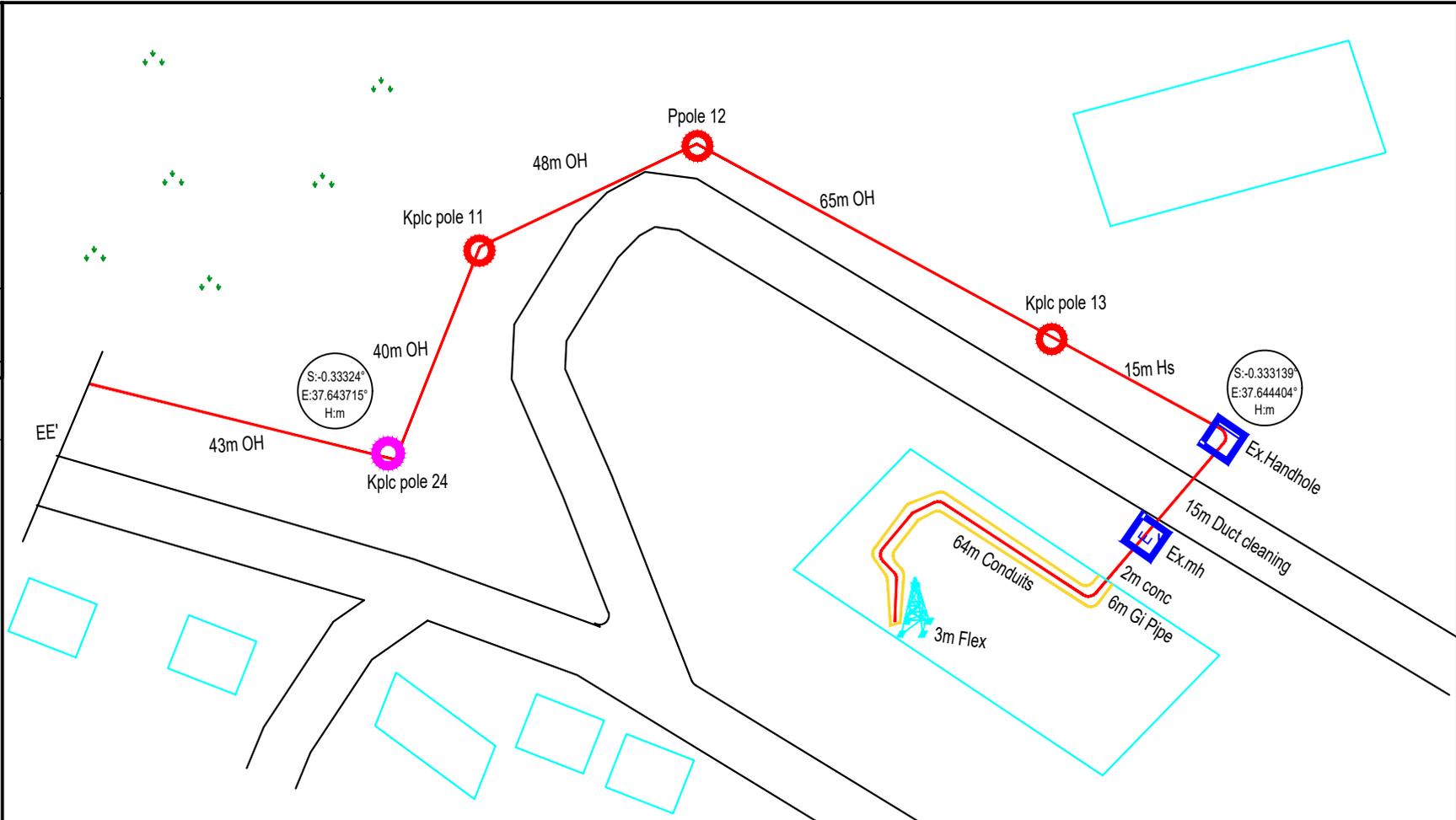
LIQUID INTELLIGENT TECHNOLOGIES      CALIKEN NETWORKS

APPROVED BY: \_\_\_\_\_      CHECKED BY: \_\_\_\_\_

DATE: \_\_\_\_\_      DATE: \_\_\_\_\_

PROJECT NAME :		DRAWING NAME :	
LIQUID TECOM FIBER BUILDING ENTRIES		MUTONGA	
DESIGN MANAGER:	Drawing BY:	DATE:	SCALE:
	ELIZABETH	05/07/2024	N/A
Drawing No:3		VERSION	VER.1

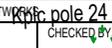
Date	
Name	
Subject	
Co-signature	



Main Workload																									
Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE				ADSS Scope											
		ASP.	CON.	Slab	Cabro	Tar.	HS.	BR	HR	GI Pipe (pcs)	Pan (m)	Conduits (pcs)	Joint Box (pcs)	Warning tape	Manhole (pcs)	PVC (Pcs)	P.P (8m)	P.P (10m)	P.P (12m)	Kplc Poles	Ex.LIT Poles	Linear O.H Cable(m)	Storage B (pcs)	ADSS Slag(m)	ADSS Survey
1866	15	0	5	0	0	0	15	0	0	12	15	33	0	20	0	0	11	2	0	24	0	1418	4	140	1558

HDPEΦ110										
Thrust boring	Bridge/Dmg	Trenching	Concrete envelop	1 way Micro duct	2 way 32mm duct Existing duct	Breaking wall (pcs)	Breaking ceiling (pcs)	Open window in manhole (pcs)	BOSAL Works	
									Above 5m	Under 5m
0	0	0	0	0	0	32	0	0	0	0

LIQUID INTELLIGENT TECHNOLOGIES CALIKEN NETWORKS

APPROVED BY:  Kplc pole 24

DATE: \_\_\_\_\_

CHECKED BY: 

DATE: \_\_\_\_\_

**LIQUID** INTELLIGENT TECHNOLOGIES 

PROJECT NAME : LIQUID TECOM FIBER BUILDING ENTRIES		DRAWING NAME : MUTONGA			
DESIGN MANAGER:	Drawing BY:	DATE:	SCALE:	VERSION	
ELIZABETH	ELIZABETH	05/07/2024	N/A	VER.1	
Drawing No:3					

Main Workload

Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE			Joint Box(pcs)	Warning tape	Manhole (pcs)	PVC (Pcs)	ADSS Scope								
		ASP.	CON.	Slab	Cabro	Tar.	HS.	BR	HR	Gi.Pipe (pcs)	Flex (m)	Conduits (pcs)					P.P (8m)	P.P (10m)	P.P (12m)	Kplc Poles	Ex.LIT Poles	Linear O.H Cable(m)	Storage. B (pcs)	ADSS Slag(m)	ADSS Survey
1866	15	0	5	0	0	0	15	0	0	12	15	33	0	20	0	0	11	2	0	24	0	1418	4	140	1558

HDPEΦ110			Concrete envelop	1 way Micro duct	2 way 32mm duct		Breaking wall(pcs)	Breaking ceiling(pcs)	Open window in manhole(pcs)	BOSAL Works	
Thrustboring	Bridge/ Dmg	Trenching			Existing duct	Trenching				Above 5m	Under 5m
0	0	0	0	0	0	32	0	0	0	0	0