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Subject			
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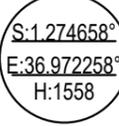
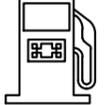
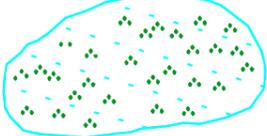


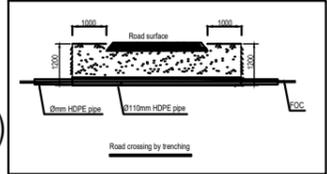
PRD
FOR



FIBER OPTIC WORKS RUBIRI ATC

Date	
Name	
Subject	
Co-signature	

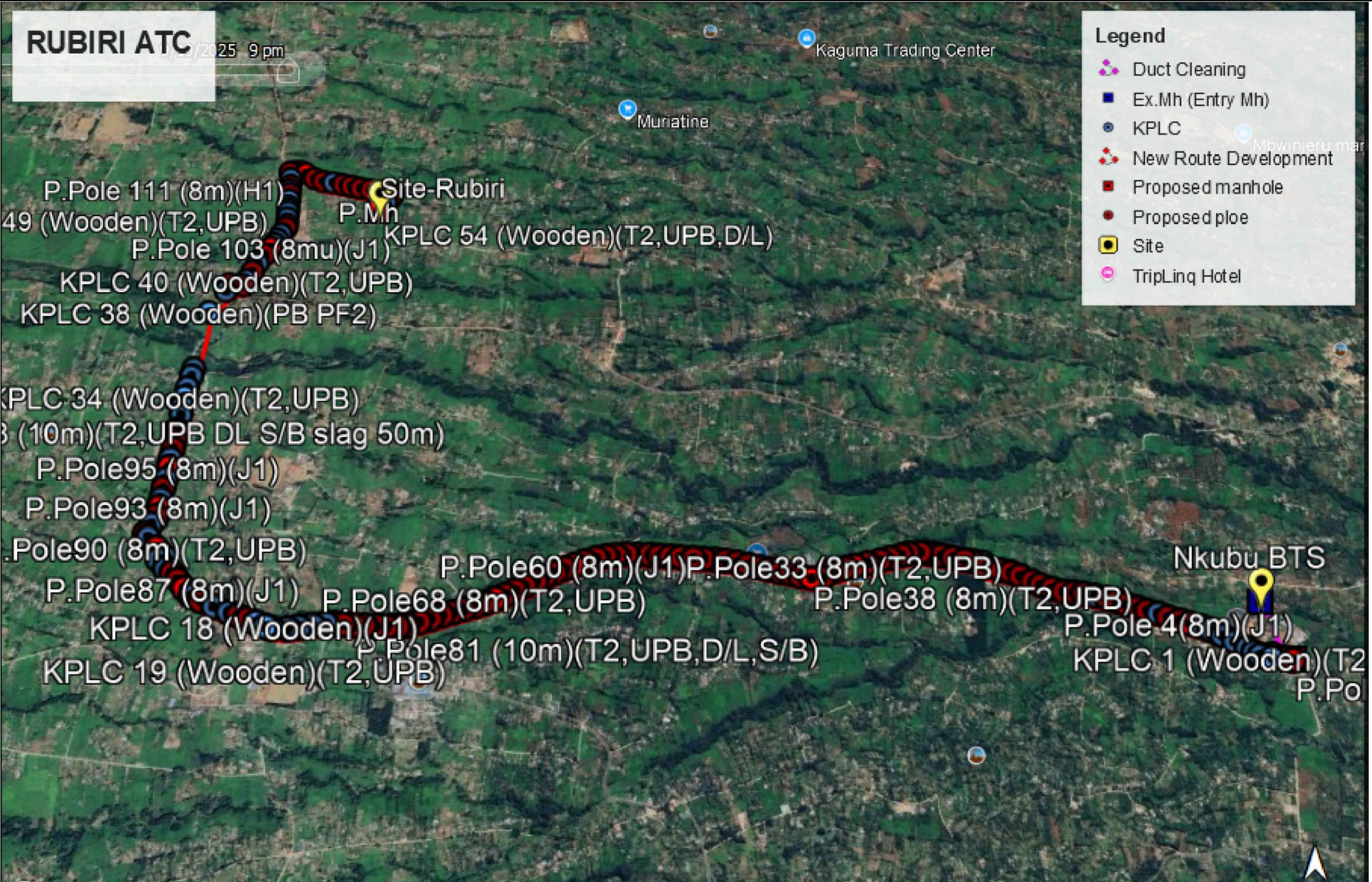
	New Route(Underground)		A Drawing connect		Groove
	New Route(KPLC Overhead)		Cable reservation in man hole		Electric line
	Existing Duct		Label for special case		Railway
	New Route(LIT Overhead)		Tree		Drainage
	Handhole		Dry land		mountain or hill
	Existing/Rehabilitated manhole		Hurst		Road and street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



RC

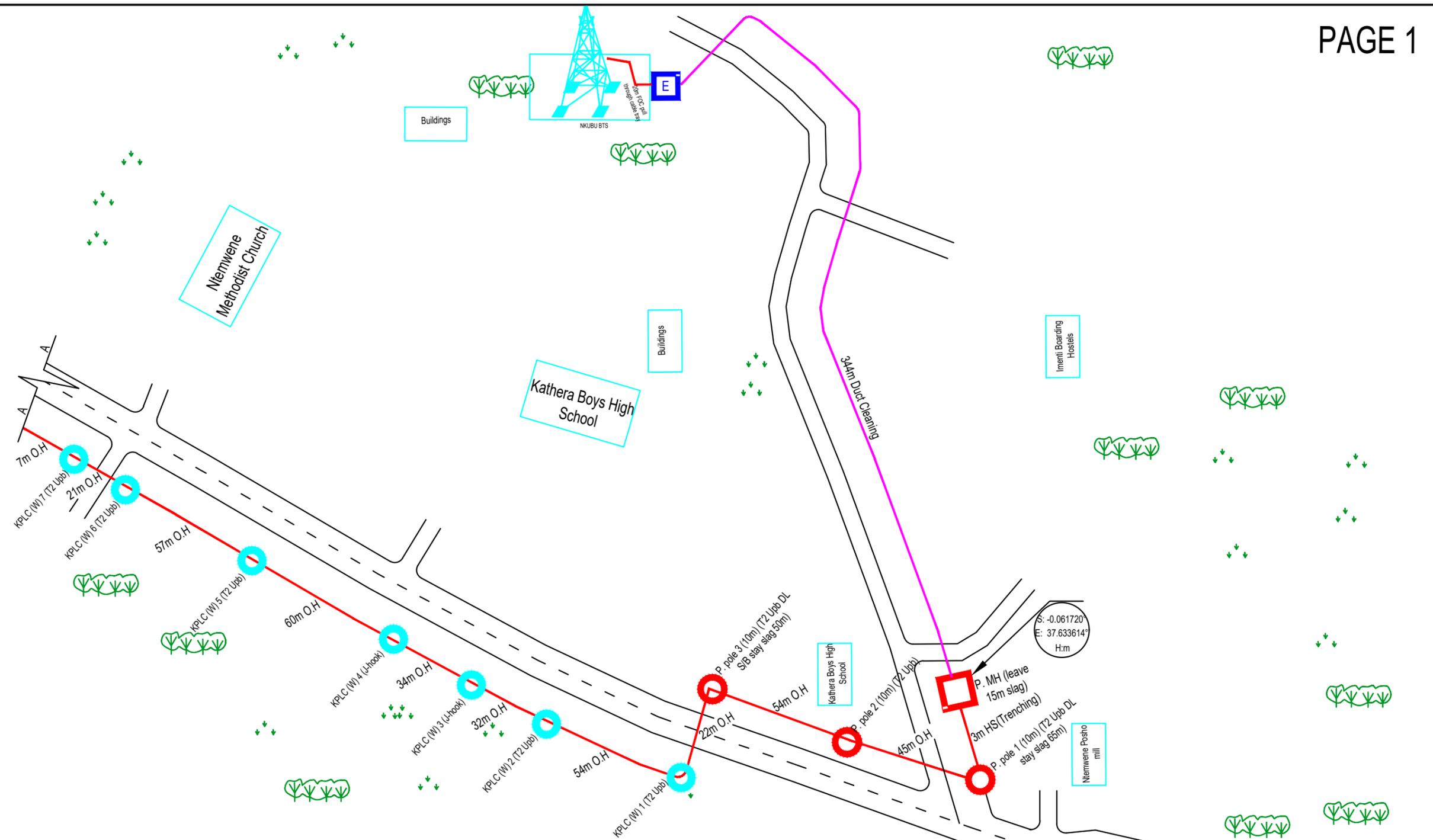
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DATE		DATE		DESIGN MANAGER:	Drawing BY:	DATE:	SCALE:	VERSION	
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Drawing No:2									

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Name	
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LIQUID INTELLIGENT TECHNOLOGIES		CALIKEN NETWORKS		PROJECT NAME :		DRAWING NAME :		
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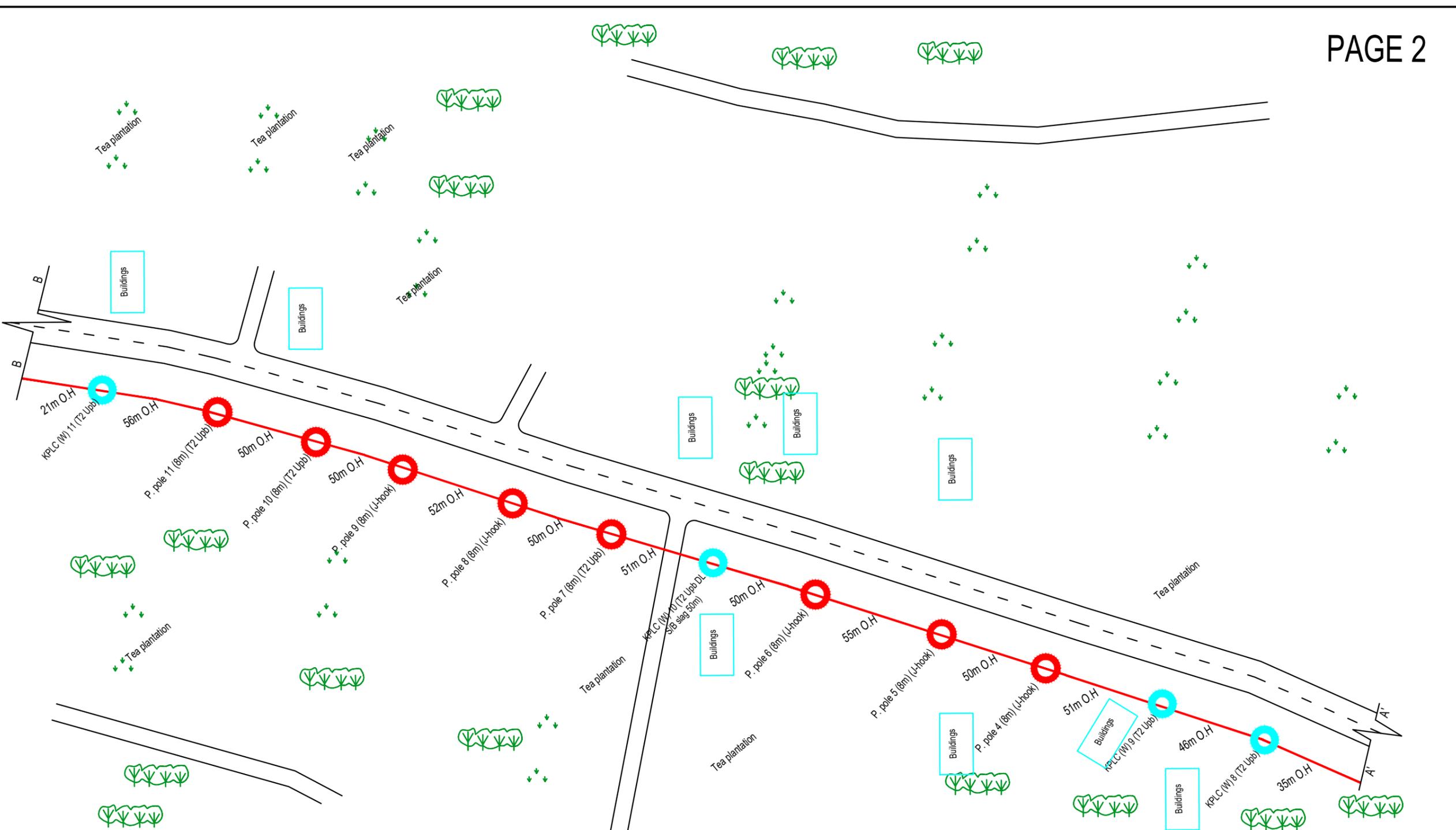


WORKLOAD																										
Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE			Joint Box(pcs)	Warning tape	Manhole (pcs)	HDPE #10mm-(Pcs)	ADSS Scope									
		ASP.	CON.	Slab	Cabro	Tar.	HS.	SR	HR	Gl.Pipe (pcs)	Flex (m)	Trucking (pcs)					P.P (8m)	P.P (10m)	P.P (12m)	Kplc Poles	EX.LIT Poles	Linear O.H Cable(m)	Storage B (pcs)	ADSS Slag(m)	ADSS Survey	
10902	344	0	0	0	0	0	41	0	0	0	10	0	0	41	2	0	112	9	0	54	0	9090	25	1362	10452	

HDPEΦ110		Concrete envelop		1 way Micro duct		2 way 32mm duct		Core Drilling		Open window in manhole(pcs)	BOSAL Works		Cable Core Size
Thrustboring	Bridge/ Drng	Road Cut(m)		Existing duct	Trenching	Breaking wall(pcs)	Breaking ceiling(pcs)	Above 5m	Under 5m				
0	0	0	0	57	0	0	0	0	0	0	0	24	

LIQUID INTELLIGENT TECHNOLOGIES		CALIKEN NETWORKS		PROJECT NAME :			DRAWING NAME :		
APPROVED BY		CHECKED BY		AIRTEL 75			RUBIRI ATC		
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				VERSION			VERSION		
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Drawing No:4									

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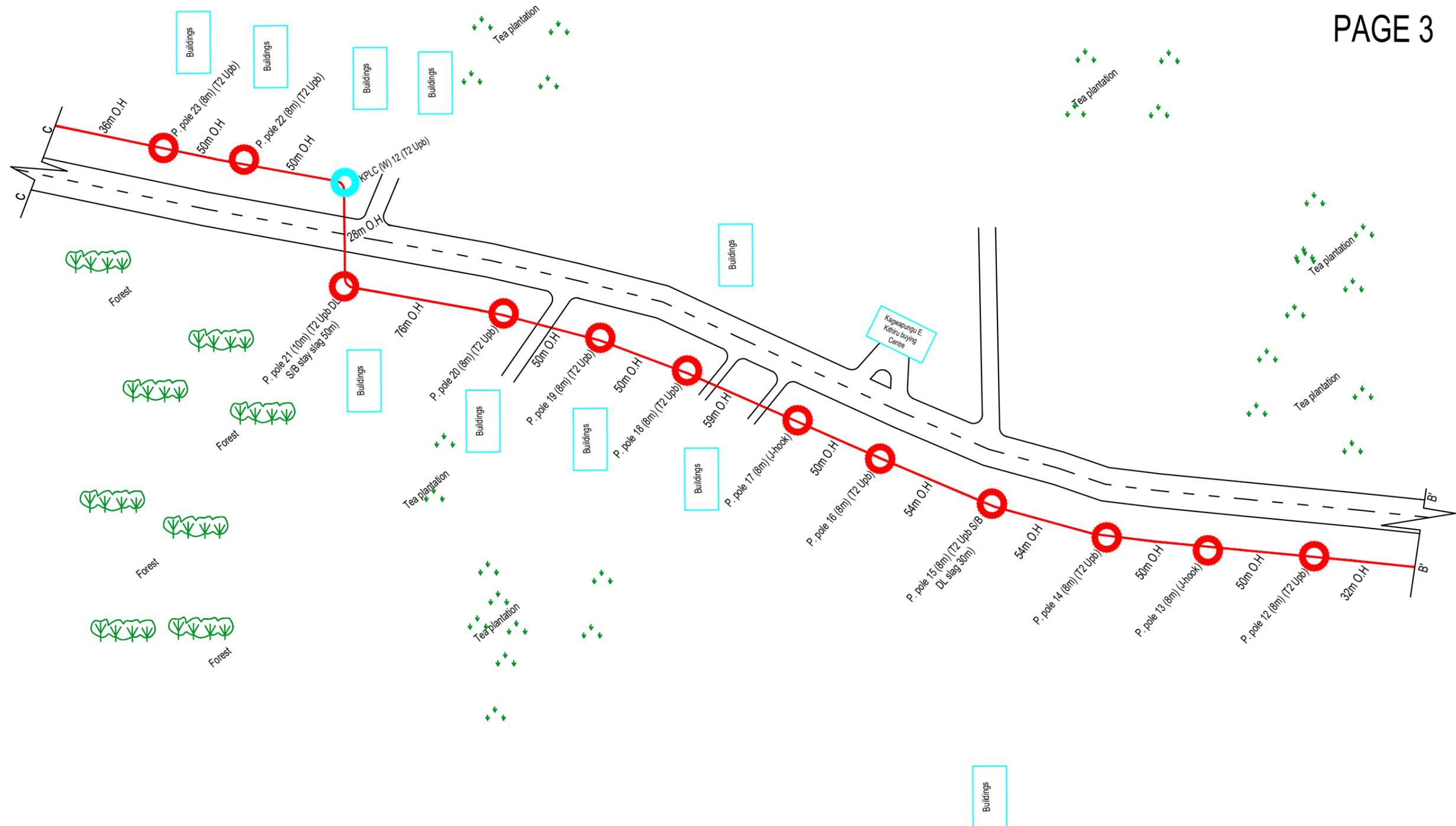
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Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE			Joint Box (pcs)	Warning tape	Manhole (pcs)	HDPE 10mm-(Pcs)	ADSS Scope									
		ASP.	CON.	Slab	Cabro	Tar.	HS.	SR	HR	Gi Pipe (pcs)	Flex (m)	Trucking (pcs)					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	
10902	344	0	0	0	0	0	41	0	0	0	10	0	41	2	0	112	9	0	54	0	9090	25	1362	10452		

HDPEΦ110			Concrete envelop	1 way Micro duct	2 way 32mm duct		Core Drilling		Open window in manhole(pcs)	BOSAL Works		Cable Core Size
Thrustboring	Bridge/ Dmg	Road Cut(m)			Existing duct	Trenching	Breaking wall(pcs)	Breaking ceiling(pcs)		Above 5m	Under 5m	
0	0	0	0	57	0	0	0	0	0	0	24	

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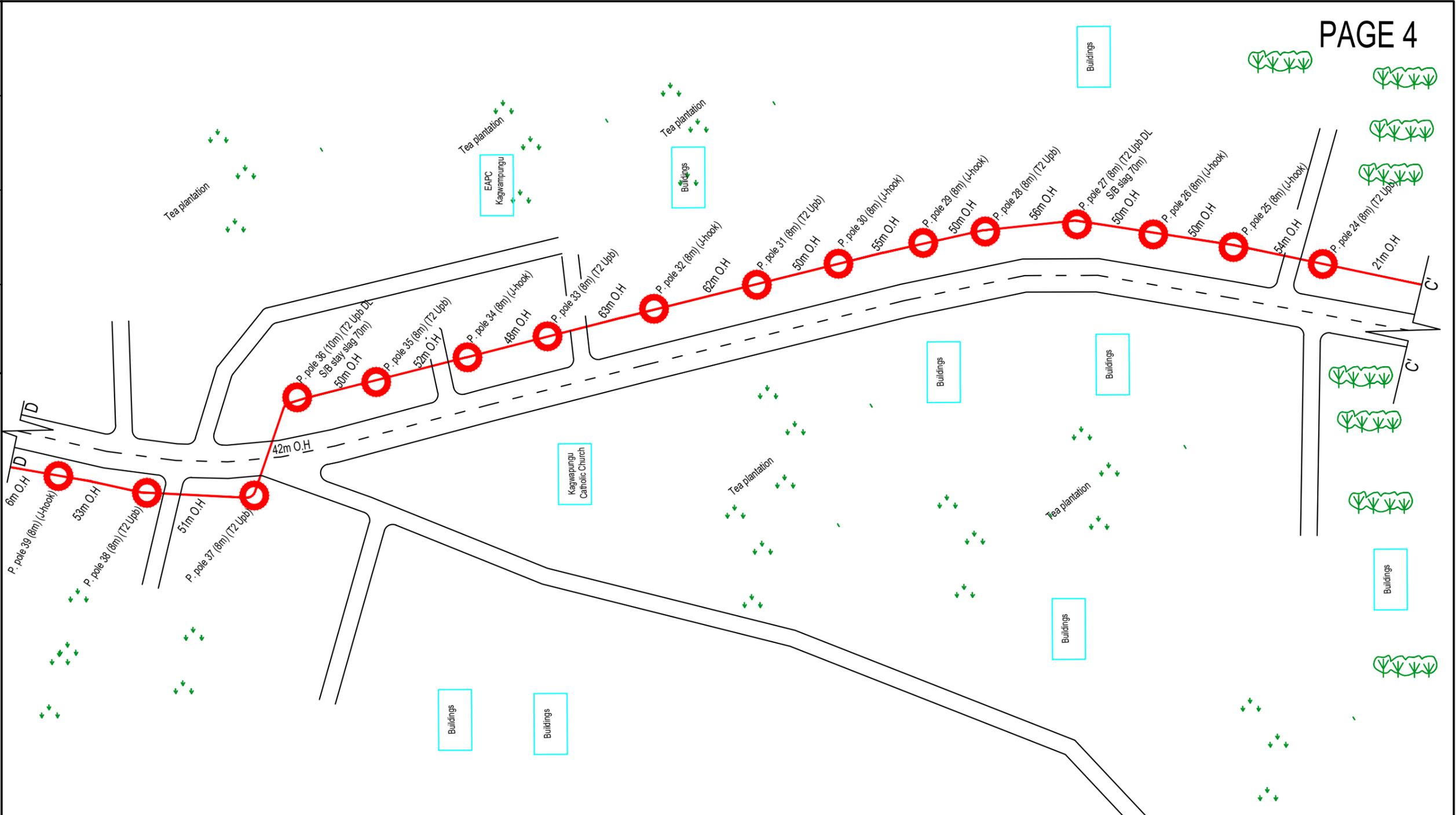
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Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE			Joint Box(pcs)	Warning tape	Manhole (pcs)	HDPE 110mm-(Pcs)	ADSS Scope								
		ASP.	CON.	Slab	Cabro	Tar.	HS.	SR	HR	Gi.Pipe (pcs)	Flex (m)	Trucking (pcs)					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
10902	344	0	0	0	0	0	41	0	0	0	10	0	0	41	2	0	112	9	0	54	0	9090	25	1362	10452

HDPEΦ110		Concrete envelop	1 way Micro duct	2 way 32mm duct		Core Drilling		Open window in manhole(pcs)	BOSAL Works		Cable Core Size
Thrustboring	Bridge/ Drng			Existing duct	Trenching	Breaking wall(pcs)	Breaking ceiling(pcs)		Above 5m	Under 5m	
0	0	0	0	57	0	0	0	0	0	0	24

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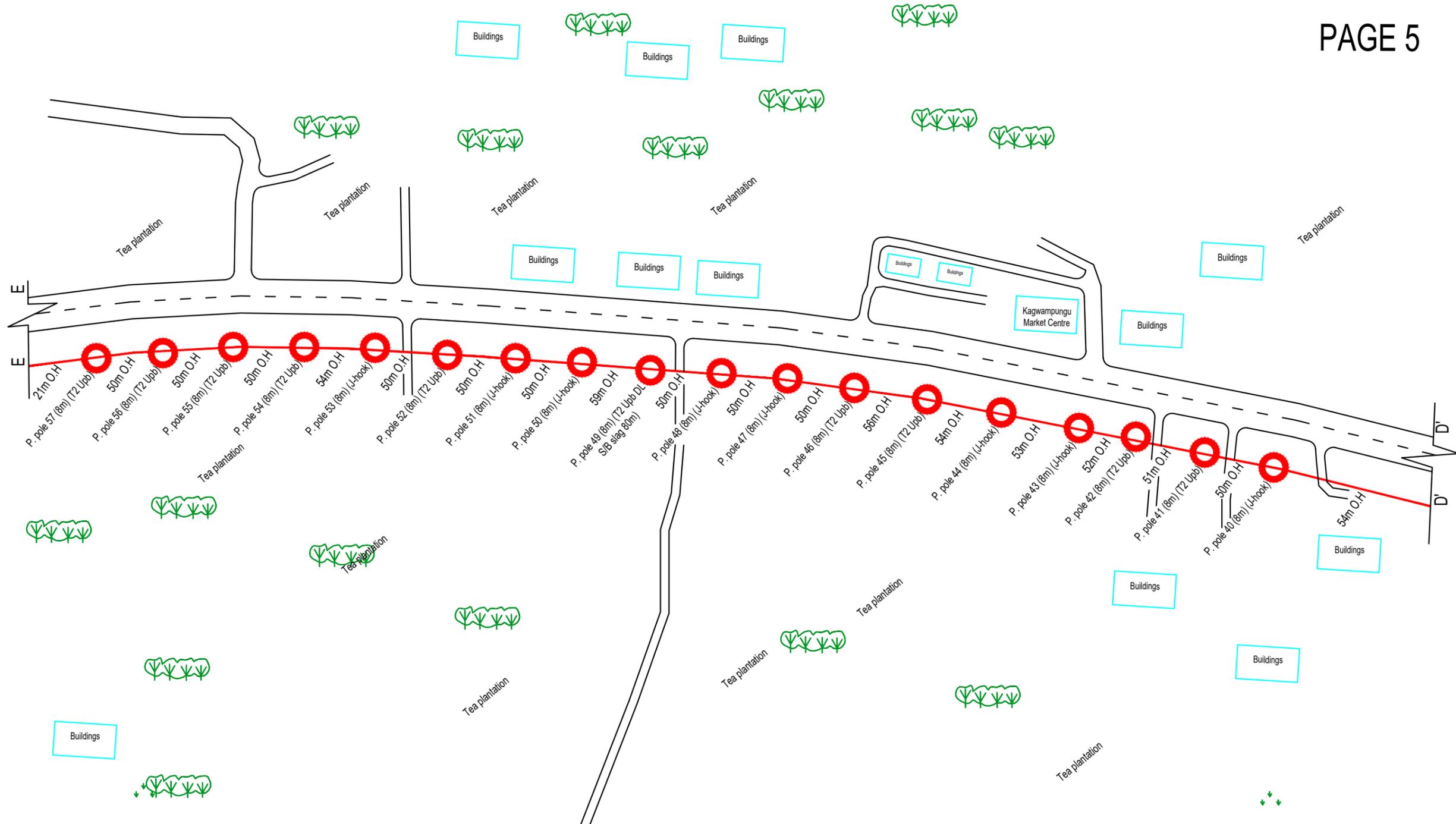


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Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE			Joint Box(pcs)	Warning tape	Manhole (pcs)	HDPE 110mm-(Pcs)	ADSS Scope									
		ASP.	CON.	Slab	Cabro	Tar.	HS.	SR	HR	Gi.Pipe (pcs)	Flex (m)	Trucking (pcs)					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	
10902	344	0	0	0	0	0	41	0	0	0	10	0	0	41	2	0	112	9	0	54	0	9090	25	1362	10452	

HDPEΦ110			Concrete envelop	1 way Micro duct	2 way 32mm duct		Core Drilling		Open window in manhole(pcs)	BOSAL Works		Cable Core Size
Thrustboring	Bridge/ Drng	Road Cut(m)			Existing duct	Trenching	Breaking wall(pcs)	Breaking ceiling(pcs)		Above 5m	Under 5m	
0	0	0	0	57	0	0	0	0	0	0	24	

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						MORARA		10/09/2025		N/A		VER.1	
Drawing No:4													

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WORKLOAD

Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE			Joint Box(pcs)	Warning tape	Manhole (pcs)	HDPE 110mm-(Pcs)	ADSS Scope								
		ASP.	CON.	Slab	Cabro	Tar.	HS.	SR	HR	Gl.Pipe (pcs)	Flex (m)	Trucking (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
10902	344	0	0	0	0	0	41	0	0	0	10	0	0	41	2	0	112	9	0	54	0	9090	25	1362	10452

HDPEΦ110			Concrete envelop	1 way Micro duct	2 way 32mm duct		Core Drilling		Open window in manhole(pcs)	BOSAL Works		Cable Core Size
Thrustboring	Bridge/Dmg	Road Cut(m)			Existing duct	Trenching	Breaking wall(pcs)	Breaking ceiling(pcs)		Above 5m	Under 5m	
0	0	0	0	57	0	0	0	0	0	0	24	

LIQUID INTELLIGENT TECHNOLOGIES		CALIKEN NETWORKS		PROJECT NAME :		DRAWING NAME :							
APPROVED BY		CHECKED BY		AIRTEL 75		RUBIRI ATC							
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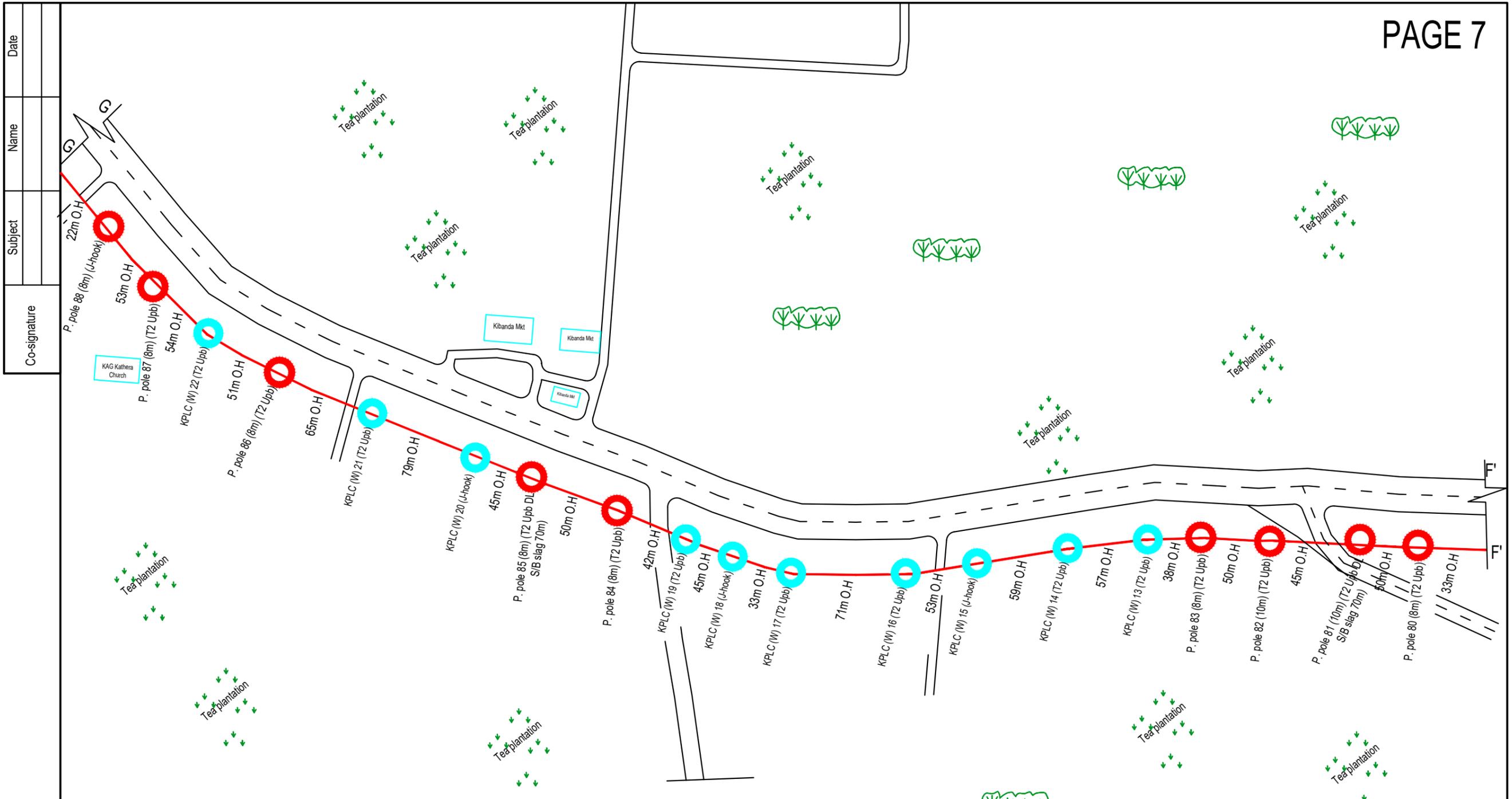


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Route survey	Route clean	Break and recover road surface				OSP Soil Profile			ISP SCOPE			Joint Box(pcs)	Warning tape	Manhole (pcs)	HDPE 110mm-(Pcs)	ADSS Scope								
		ASP.	CON.	Slab	Cabro	Tar.	HS.	SR	HR	Gi.Pipe (pcs)	Flex (m)					Trucking (pcs)	P.P (8m)	P.P (10m)	P.P (12m)	Kpic Poles	Ex.LIT Poles	Linear O.H Cable(m)	Storage B (pcs)	ADSS Slag(m)
10902	344	0	0	0	0	0	41	0	0	0	10	0	41	2	0	112	9	0	54	0	9090	25	1362	10452

HDPEΦ110			Concrete envelop	1 way Micro duct	2 way 32mm duct		Core Drilling		Open window in manhole(pcs)		BOSAL Works		Cable Core Size
Thrustboring	Bridge/Dmg	Road Cut(m)			Existing duct	Trenching	Breaking wall(pcs)	Breaking ceiling(pcs)	Above 5m	Under 5m			
0	0	0	0	57	0	0	0	0	0	0	0	24	

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Drawing No:4									



WORKLOAD

Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE			Joint Box(pcs)	Warning tape	Manhole (pcs)	HDPE 110mm-(Pcs)	ADSS Scope									
		ASP.	CON.	Slab	Cabro	Tar.	HS.	SR	HR	Gi.Pipe (pcs)	Flex (m)	Trucking (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	
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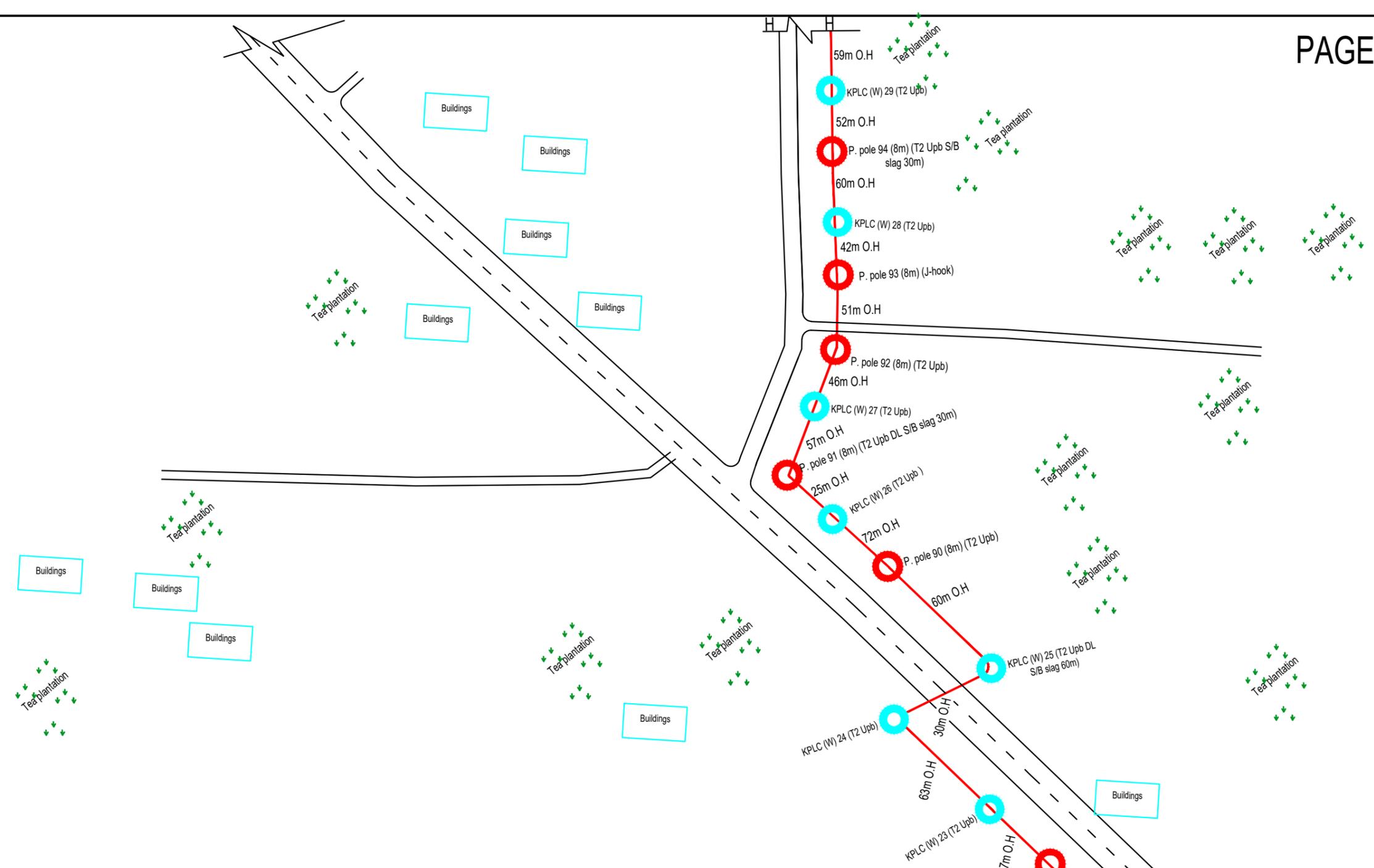
HDPEΦ110			Concrete envelop	1 way Micro duct	2 way 32mm duct		Core Drilling		Open window in manhole(pcs)	BOSAL Works		Cable Core Size
Thrustboring	Bridge/Dmg	Road Cut(m)			Existing duct	Trenching	Breaking wall(pcs)	Breaking ceiling(pcs)		Above 5m	Under 5m	
0	0	0	0	57	0	0	0	0	0	0	24	

LIQUID INTELLIGENT TECHNOLOGIES		CALIKEN NETWORKS	
APPROVED BY		CHECKED BY	
DATE		DATE	

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AIRTEL 75			RUBIRI ATC		
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Drawing No:3					

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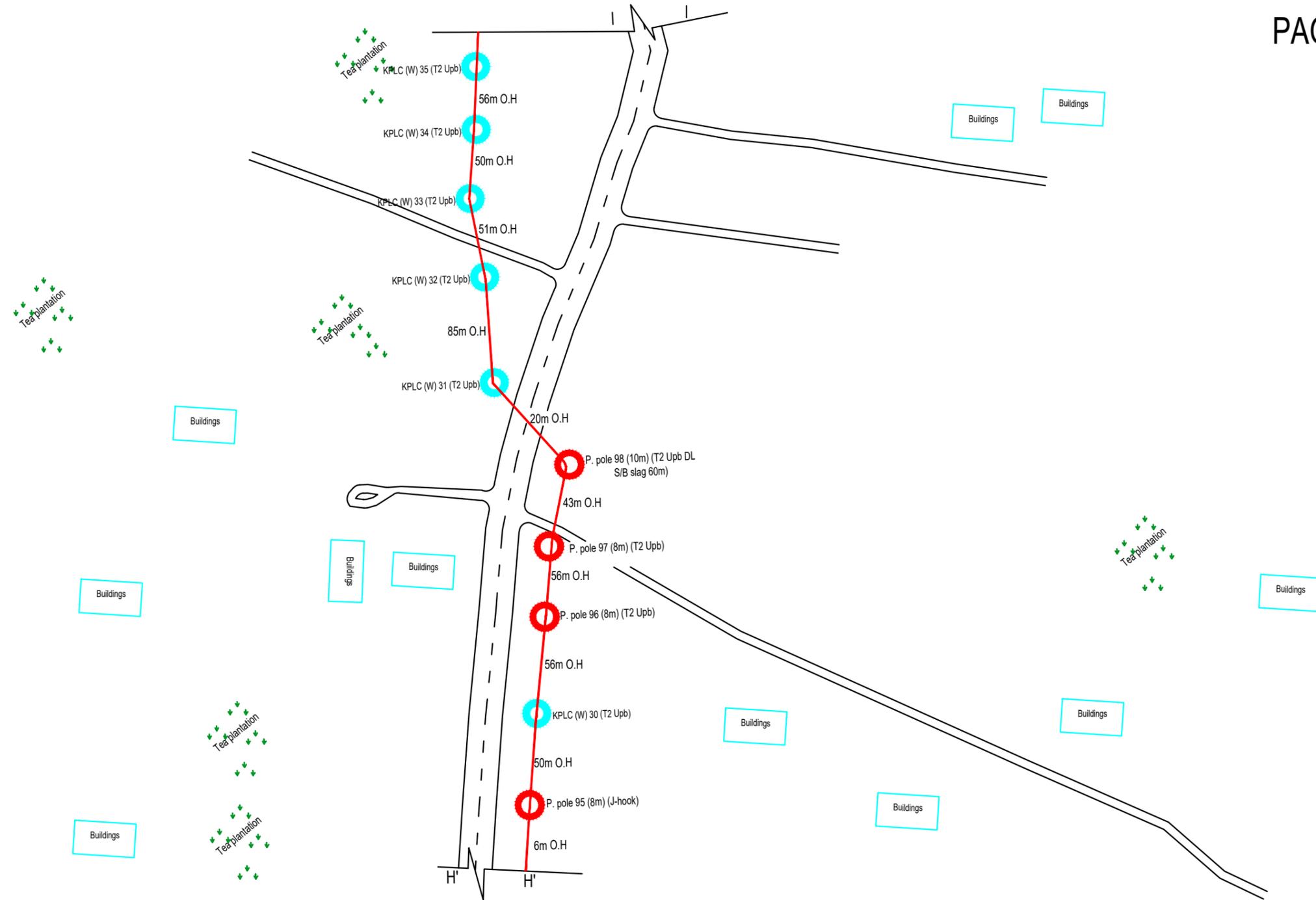
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Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE			Joint Box(pcs)	Warning tape	Manhole (pcs)	HDPE 10mm-(Pcs)	ADSS Scope									
		ASP.	CON.	Slab	Cabro	Tar.	HS.	SR	HR	GI.Pipe (pcs)	Flex (m)	Trucking (pcs)					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	
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HDPEΦ110			Concrete envelop	1 way Micro duct	2 way 32mm duct		Core Drilling		Open window in manhole(pcs)	BOSAL Works		Cable Core Size
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0	0	0	0	57	0	0	0	0	0	0	24	

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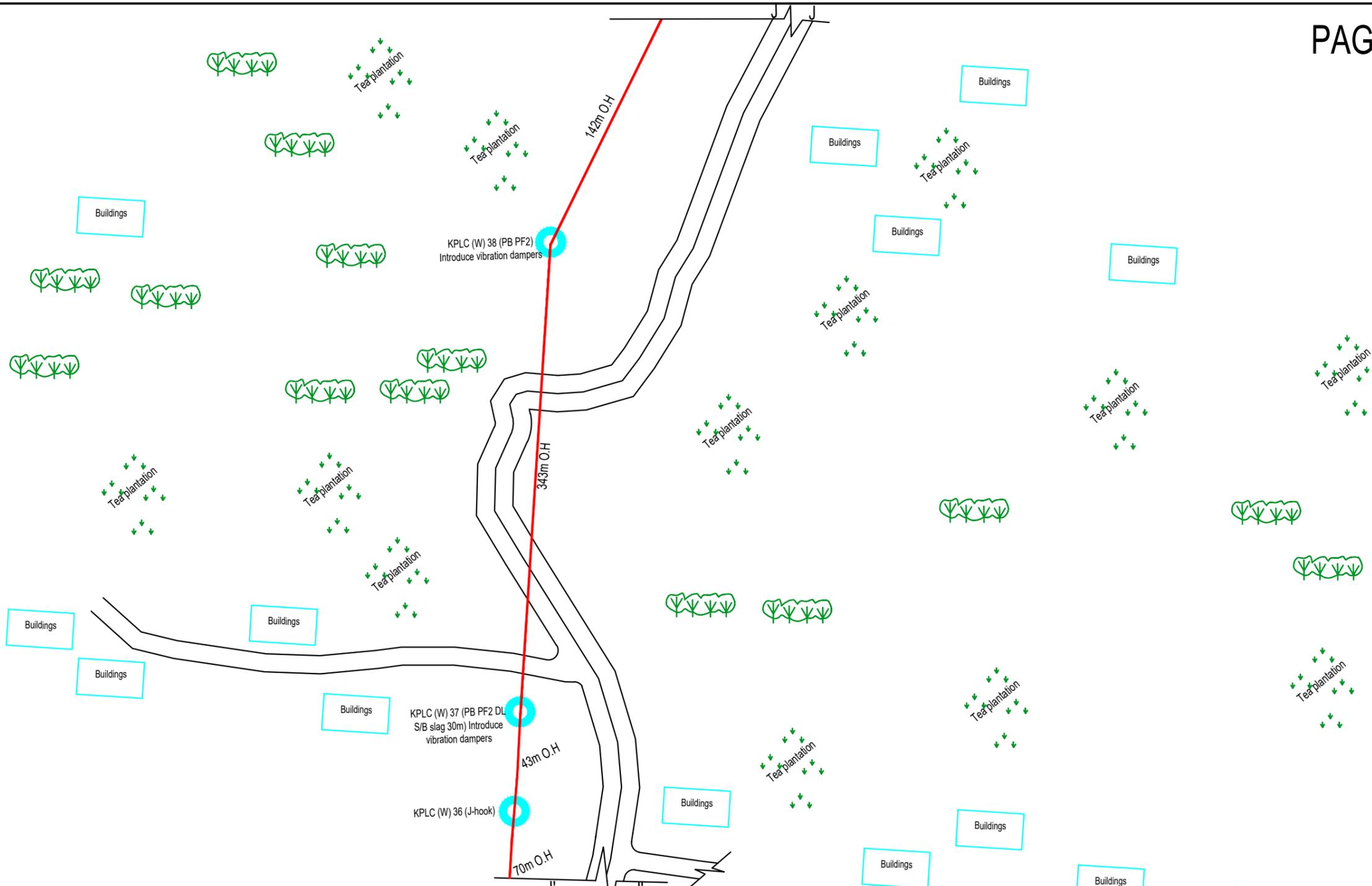
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Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE			Joint Box(pcs)	Warning tape	Manhole (pcs)	HDPE 10mm-(Pcs)	ADSS Scope								
		ASP.	CON.	Slab	Cabro	Tar.	HS.	SR	HR	Gl.Pipe (pcs)	Flex (m)	Trucking (pcs)					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
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HDPEΦ110			Concrete envelop	1 way Micro duct	2 way 32mm duct		Core Drilling		Open window in manhole(pcs)	BOSAL Works		Cable Core Size
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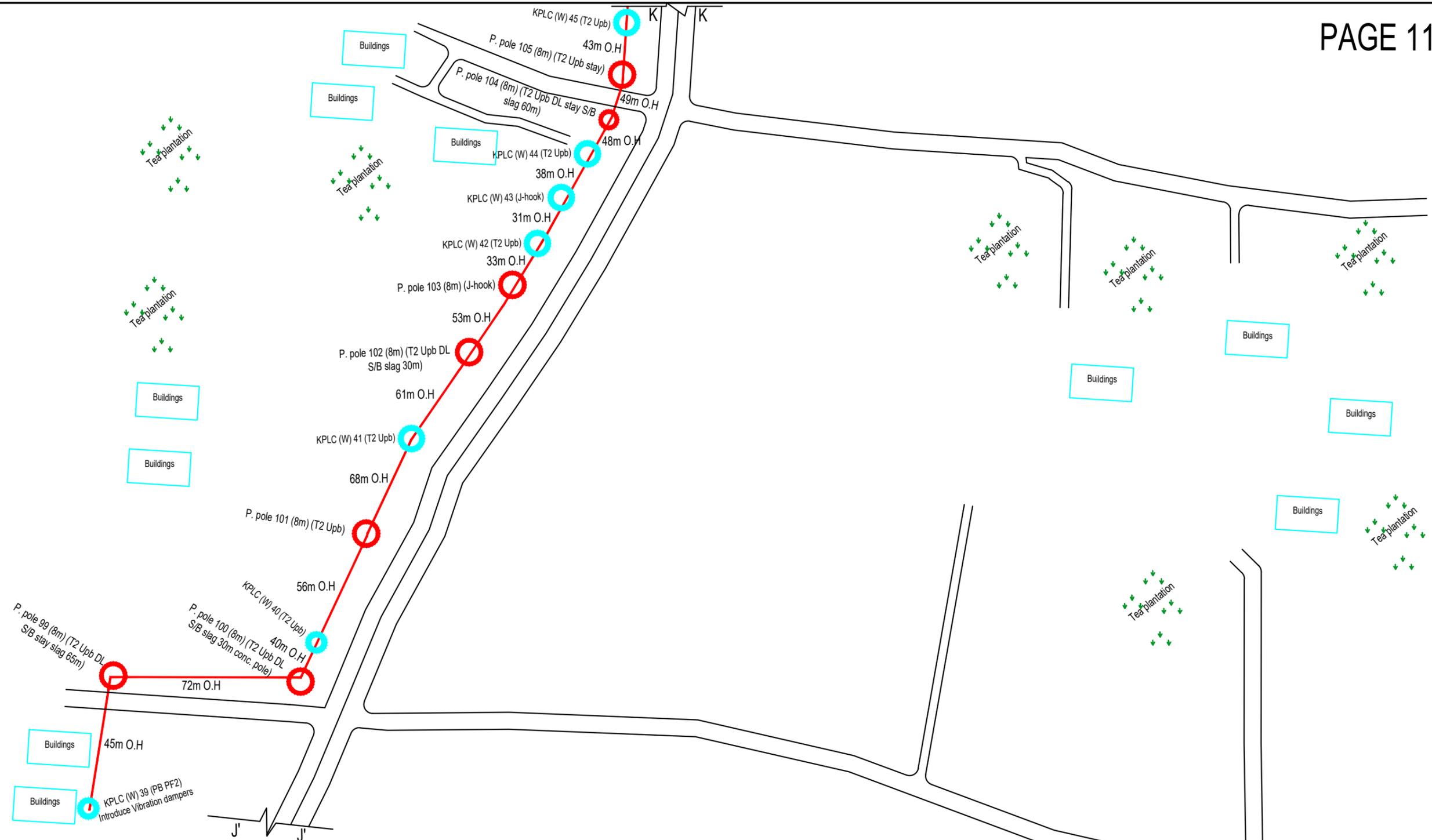


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Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE			Joint Box(pcs)	Warning tape	Manhole (pcs)	HDPE 110mm-(Pcs)	ADSS Scope									
		ASP.	CON.	Slab	Cabro	Tar.	HS.	SR	HR	GI.Pipe (pcs)	Flex (m)	Trucking (pcs)					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	
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0	0	0	57	0	0	0	0	0	0	0	24

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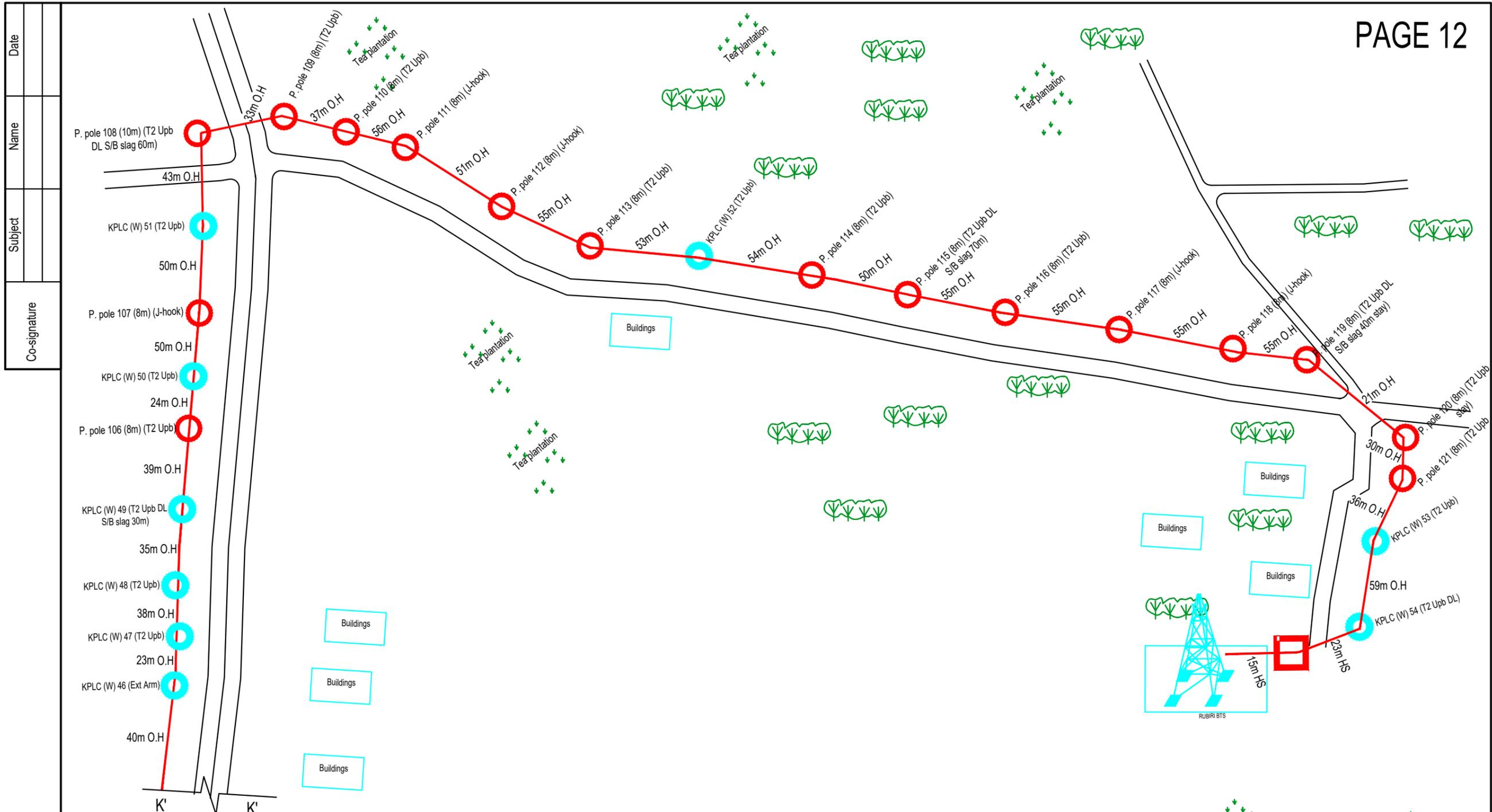


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Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE			Joint Box(pcs)	Warning tape	Manhole (pcs)	HDPE 110mm-(Pcs)	ADSS Scope									
		ASP.	CON.	Slab	Cabro	Tar.	HS.	SR	HR	GI.Pipe (pcs)	Flex (m)	Trucking (pcs)					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	
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HDPEΦ110			Concrete envelop	1 way Micro duct	2 way 32mm duct		Core Drilling		Open window in manhole(pcs)	BOSAL Works		Cable Core Size
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		ASP.	CON.	Slab	Cabro	Tar.	HS.	SR	HR	Gl.Pipe (pcs)	Flex (m)	Trucking (pcs)					P.P (8m)	P.P (10m)	P.P (12m)	Kplc Poles	Ex.LIT Poles	Linear Cable(m)	O.H Storage B (pcs)	ADSS Slag(m)	ADSS Survey	
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HDPEΦ110		Concrete envelop		1 way Micro duct		2 way 32mm duct		Core Drilling		Open window in manhole(pcs)		BOSAL Works		Cable Core Size
Thrustboring	Bridge/Drng	Road Cut(m)		Existing duct	Trenching	Breaking wall(pcs)	Breaking ceiling(pcs)			Above 5m	Under 5m			
0	0	0	0	57	0	0	0	0	0	0	0	0	24	

LIQUID INTELLIGENT TECHNOLOGIES		CALIKEN NETWORKS		PROJECT NAME :		DRAWING NAME :							
APPROVED BY		CHECKED BY		AIRTEL 75		RUBIRI ATC							
DATE		DATE		DESIGN MANAGER:		Drawing BY:		DATE:		SCALE:		VERSION	
				MORARA		10/09/2025		N/A		VER.1		Drawing No:4	

WORKLOAD

Route survey	Route clean	Break and recover road surface				OSP Soil Profile				ISP SCOPE			Joint Box(pcs)	Warning tape	Manhole (pcs)	HDPE 110mm-(Pcs)	ADSS Scope								
		ASP.	CON.	Slab	Cabro	Tar.	HS.	SR	HR	Gi.Pipe (pcs)	Flex (m)	Trucking (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
10902	344	0	0	0	0	0	41	0	0	0	10	0	0	41	2	0	112	9	0	54	0	9090	25	1362	10452

HDPEΦ110			Concrete envelop	1 way Micro duct	2 way 32mm duct		Core Drilling		Open window in manhole(pcs)	BOSAL Works		Cable Core Size
Thrustboring	Bridge/ Dmg	Road Cut(m)			Existing duct	Trenching	Breaking wall(pcs)	Breaking ceiling(pcs)		Above 5m	Under 5m	
0	0	0	0	57	0	0	0	0	0	0	24	