

Co-signature			
Subject			
Name			
Date			

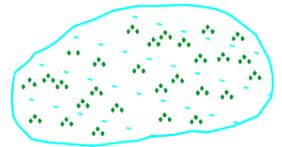


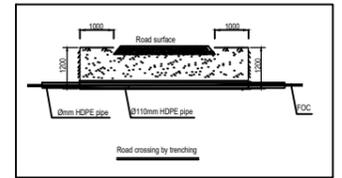
PRD
FOR



FIBER OPTIC WORKS NDARAGWA ROAD CROSSING

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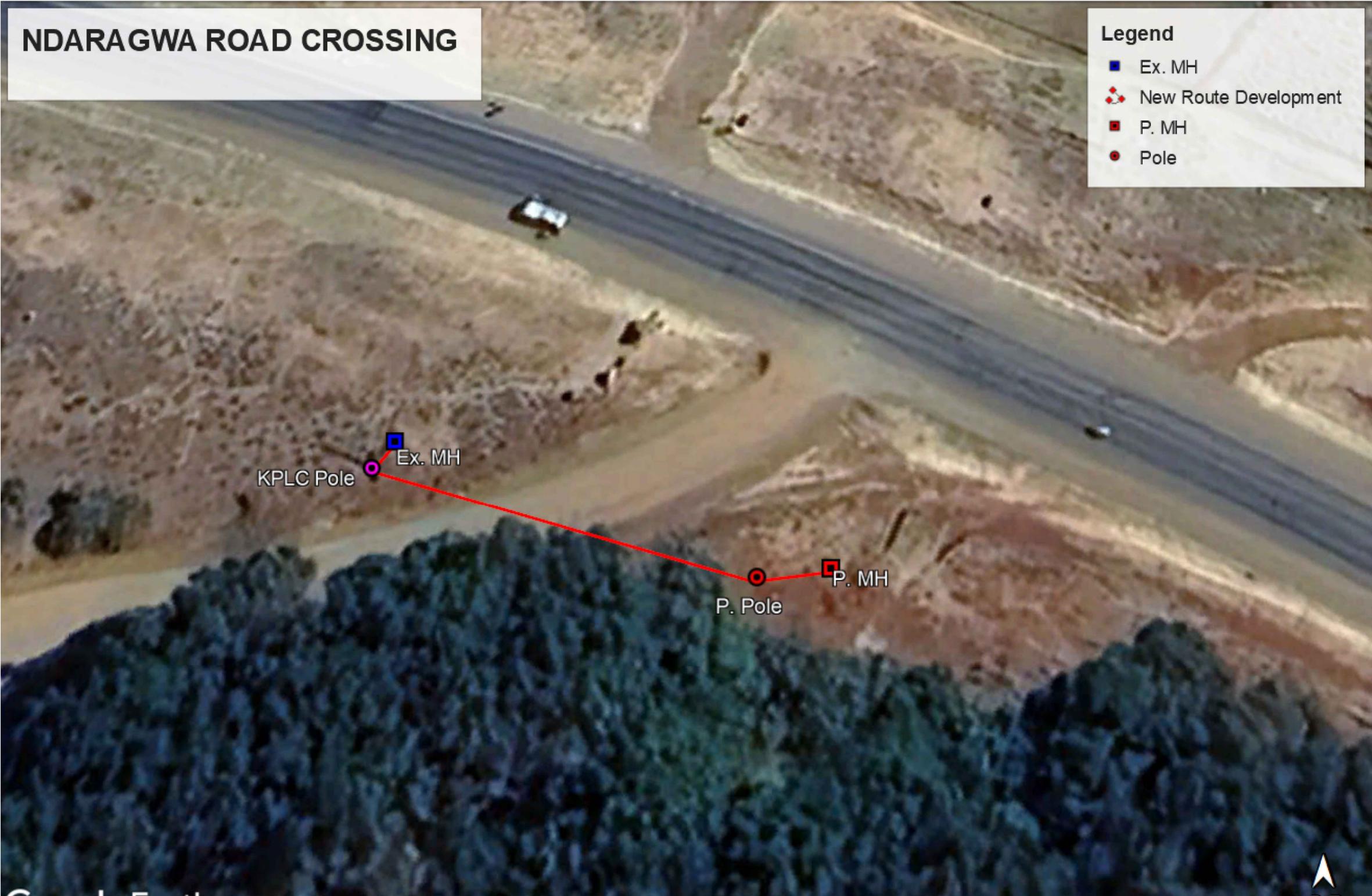
	New Route		A Drawing connect		Groove
	Existing Duct	$\Omega 10$	Cable reservation in man hole		Electric line
	Handhole		Label for special case		Railway
	Existing manhole		Tree		Drainage
	New Manhole		Dry land		mountain or hill
	Existing Pole		Hurst		Road and street
	Proposed Pole(P.P)		Grass		Under construction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



RC

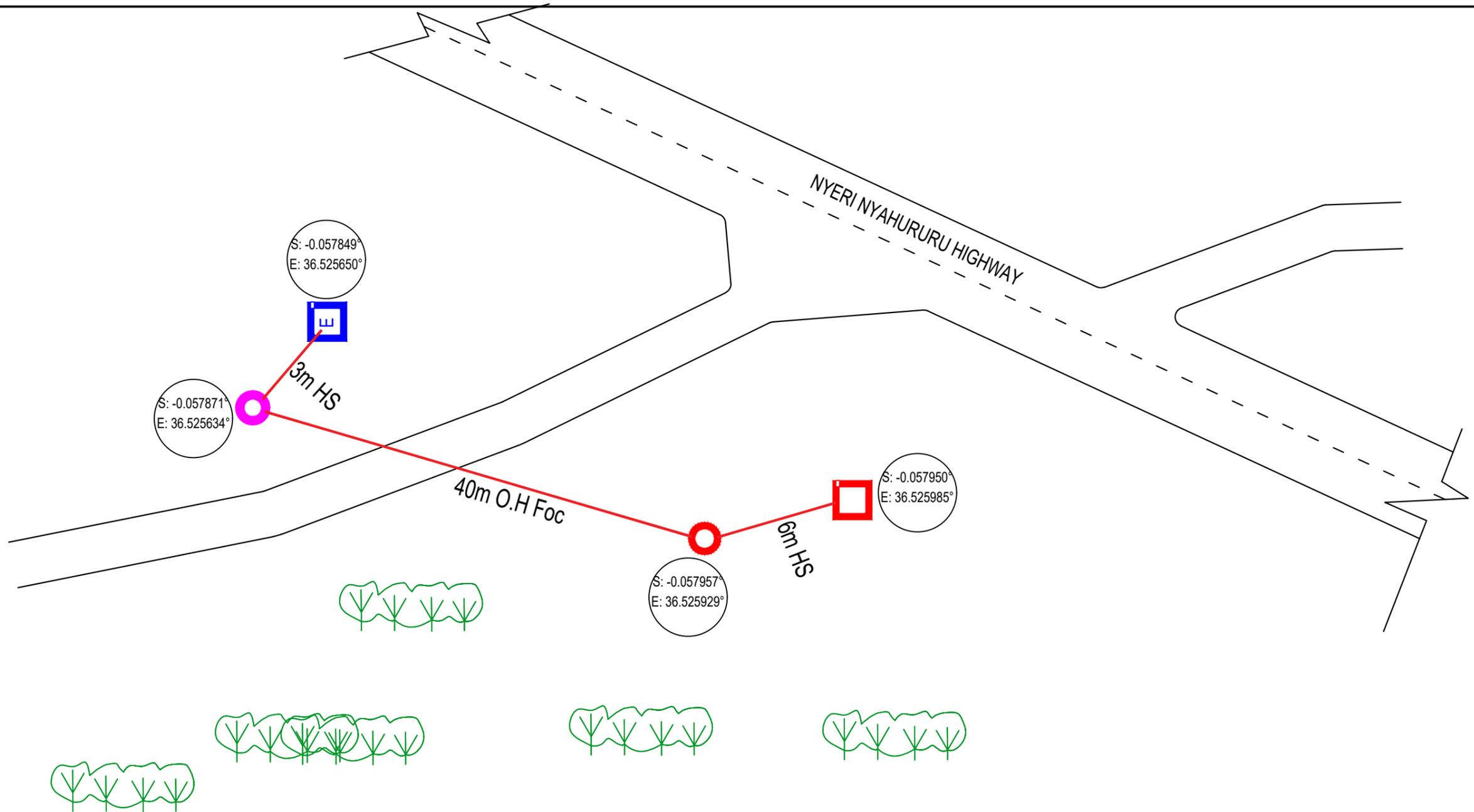
LIQUID INTELLIGENT TECHNOLOGIES		CALIKEN NETWORKS		PROJECT NAME : REHABILITATION			DRAWING NAME : NDARAGWA ROAD CROSSING		
	APPROVED BY		CHECKED BY	DESIGN MANAGER:	Drawing BY:	DATE:	SCALE:	VERSION	
	DATE		DATE		MORARA	11/01/2025	N/A	VER.1	
				Drawing No:2					

Date	
Name	
Subject	
Co-signature	



LIQUID INTELLIGENT TECHNOLOGIES		CALIKEN NETWORKS		PROJECT NAME :		DRAWING NAME :		
APPROVED BY		CHECKED BY		REHABILITATIONS		NDARAGWA ROAD COSSING		
DATE		DATE		DESIGN MANAGER:	Drawing BY:	DATE:	SCALE:	VERSION
					MORARA	11/01/2024	N/A	VER.1
Drawing No:3								

Co-signature	Subject	Name	Date



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.	SR	HR	GI.Pipe (pcs)	Flex (m)	Trucking (pcs)	P.P (8m)					P.P (10m)	P.P (12m)	Kpic Poles	Ex.LIT Poles	Linear Cable(m)	O.H Storage B (pcs)	ADSS Slag(m)	ADSS Survey		
120	0	0	0	0	0	0	9	0	0	0	0	0	0	9	1	0	0	1	0	1	0	1	0	40	0	55	120

HDPEΦ110			Concrete envelop	1 way Micro duct	2 way 32mm duct		Core Drilling		Open window in manhole(pcs)	BOSAL Works	
Thrustboring	Bridge/Drng	Road Cut(m)			Existing duct	Trenching	Breaking wall(pcs)	Breaking ceiling(pcs)		Above 5m	Under 5m
0	0	0	0	0	0	18	0	0	0	0	0

LIQUID INTELLIGENT TECHNOLOGIES		CALIKEN NETWORKS		PROJECT NAME :		DRAWING NAME :			
APPROVED BY		CHECKED BY		REHABILITATIONS		NDARAGWA ROAD CROSSING			
DATE		DATE		DESIGN MANAGER:	Drawing BY:	DATE:	SCALE:	VERSION	
					MORARA	11/01/2025	N/A	VER.1	
Drawing No:3									

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.	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
120	0	0	0	0	0	0	9	0	0	0	0	0	0	9	1	0	0	1	0	1	0	0	0	55	120

HDPEΦ110			Concrete envelop	1 way Micro duct	2 way 32mm duct		Core Drilling		Open window in manhole(pcs)	BOSAL Works	
Thrustboring	Bridge/ Drng	Road Cut(m)			Existing duct	Trenching	Breaking wall(pcs)	Breaking ceiling(pcs)		Above 5m	Under 5m
0	0	0	0	0	0	18	0	0	0	0	0