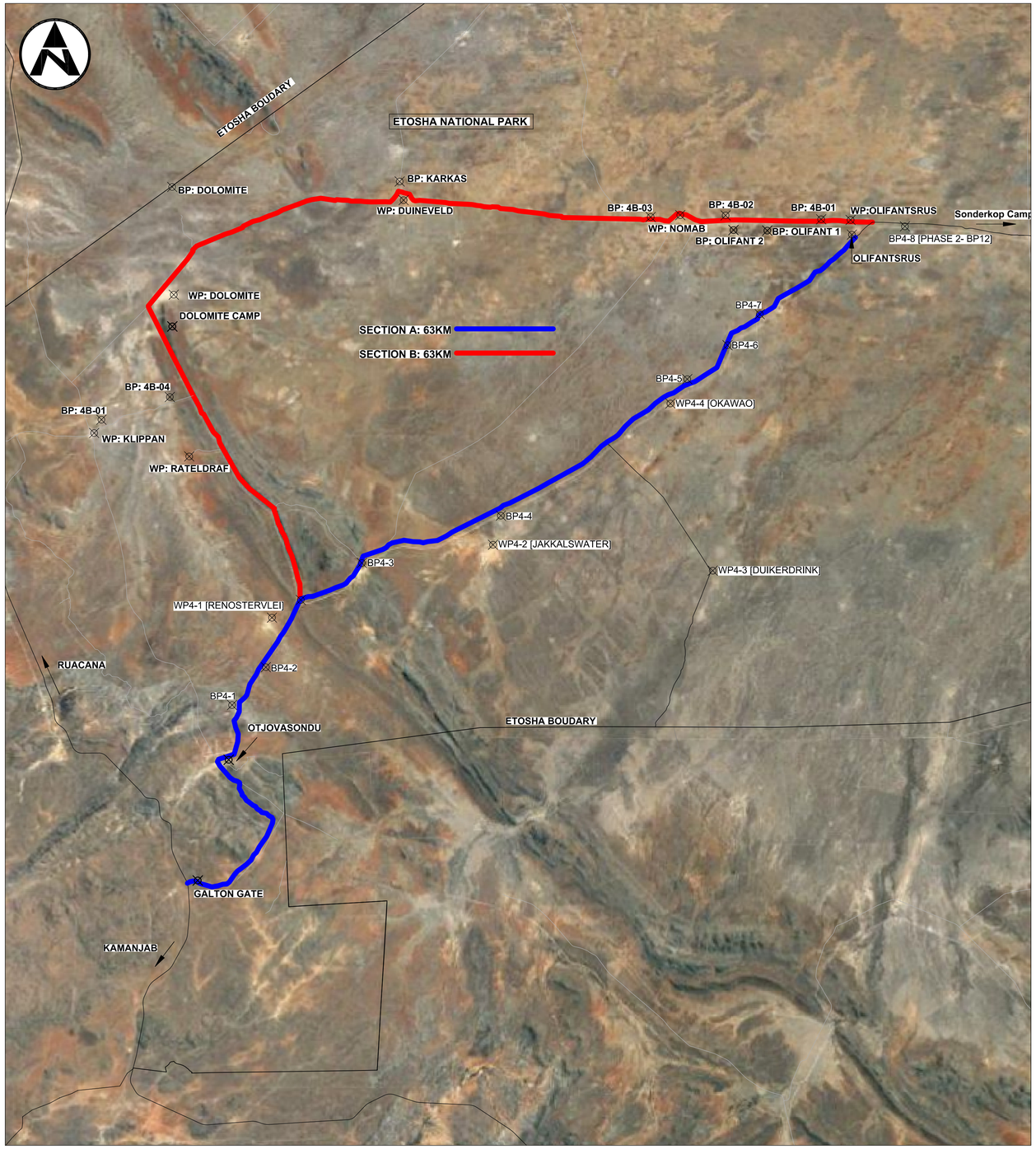

KEY PLAN (1): PHASE 4
BORROW PITS & WATER POINTS

PHASE 4: SECTION A

Name	Latitude	Longitude	Lo 22°/17° X- coordinate	Lo 22°/17° Y-coordinate	Position from Road	Distance From Road	Stake Value
GALTON GATE [START]	19°18'52.84"S	14°29'12.22"E	264102.604	-295426.378			0.00km
OLIFANTSRUS [END]	18°58'22.27"S	14°51'39.80"E	225202.091	-333813.601			64.50km
BP4-1	19°13'14.96"S	14°30'27.23"E	262060.600	-305855.064	LHS	0.40km	16.00km
BP4-2	19°12'2.81"S	14°31'37.01"E	260052.459	-308104.290	RHS	0.25km	18.80km
BP4-3	19° 8'44.20"S	14°34'55.22"E	254342.892	-314296.842	RHS	0.05km	27.70km
BP4-4	19° 7'16.45"S	14°39'39.14"E	246076.694	-317109.851	RHS	0.50km	36.80km
BP4-5	19° 2'57.45"S	14°46'1.69"E	234990.746	-325224.597	LHS	0.25km	50.60km
BP4-6	19° 1'52.85"S	14°47'24.25"E	232600.369	-327242.643	RHS	0.05km	54.00km
BP4-7	19° 0'53.88"S	14°48'30.72"E	230678.145	-329081.248	LHS	0.05km	56.80km
BP4-8 [PHASE 2- BP12]	18°58'7.57"S	14°53'27.72"E	222048.883	-334303.916	LHS	0.25km	67.50km
WP4-1 [RENOSTERVLEI]	19°10'27.38"S	14°31'50.93"E	259687.142	-311046.509	LHS	1.20km	21.20km
WP4-2 [JAKKALSWATER]	19° 8'12.45"S	14°39'22.40"E	246543.155	-315380.272	RHS	1.75km	35.60km
WP4-3 [DUIKERDRINK]	19° 9'8.08"S	14°46'48.52"E	233476.036	-313839.150	RHS	10.00km	44.50km
WP4-4 [OKAWAO]	19° 3'44.09"S	14°45'26.74"E	235994.916	-323776.615	RHS	0.90km	48.30km

PHASE 4: SECTION B

Name	Latitude	Longitude	Lo 22°/17° Y-coordinate	Lo 22°/17° X- coordinate	Position from Road	Distance From Road	Stake Value
START 4B	19° 9'53.89"S	14°32'49.99"E	257974.829	-312101.381			0.00km
END 4B [OLIFANTSRUS]	18°58'22.27"S	14°51'39.80"E	225202.091	-333813.601			66.30km
BP: 4B-01	18°57'51.95"S	14°50'37.71"E	227030.789	-334724.230	LHS	0.09km	63.60km
BP: 4B-02	18°57'42.13"S	14°47'23.73"E	232712.480	-334956.008	LHS	0.25km	57.60km
BP: 4B-03	18°57'43.48"S	14°44'51.53"E	237167.114	-334858.072	LHS	0.09km	52.90km
BP: 4B-04	19° 3'18.40"S	14°28'29.67"E	265762.366	-324162.574	LHS	1.75km	15.60km
BP: 4B-05	19° 4'0.31"S	14°26'10.03"E	269829.470	-322813.637	LHS	6.00km	20.00km
BP: DOLOMITE	18°56'32.81"S	14°28'40.6"E	265621.508	-336647.633	LHS	4.00km	24.50km
BP: KARKAS	18°56'28.36"S	14°36'22.71"E	252093.283	-336973.077	LHS	0.50km	37.50km
BP: OLIFANT 1	18°57'51.16"S	14°48'48.38"E	230231.221	-334709.104	RHS	0.60km	60.30km
BP: OLIFANT 2	18°57'49.69"S	14°47'40.08"E	232230.982	-334729.416	RHS	0.60km	58.30km
WP:Olifantsrus	18°57'53.85"S	14°51'37.54"E	225278.855	-334687.122	LHS	0.09km	63.30km
WP: Nomab	18°57'40.53"S	14°45'51.67"E	235407.853	-334971.246	RHS	0.15km	54.90km
WP: Duineveld	18°57'4.54"S	14°36'30.15"E	251860.360	-335862.824	RHS	0.55km	38.90km
WP: Dolomite	19° 0'10.42"S	14°28'21.32"E	266089.936	-329943.444	RHS	0.60km	21.90km
WP: Klippan	19° 4'25.83"S	14°25'54.89"E	270260.944	-322021.846	LHS	6.50km	20.70km
WP: Rateldraf	19° 5'13.69"S	14°29'7.41"E	264607.180	-320630.831	LHS	2.30km	12.70km

No	NOTE
	KEY: BP - BORROW PIT WP - WATER POINT

No.	AMENDMENTS	Date	Approved
3	REVISION: SECTION 4B BORROW PITS	12/21	CB
2	REVISION: SECTION 4B BORROW PITS	10/21	CB
1	REVISION: SECTION 4B BORROW PITS & WATER POINTS	01/21	TK
0	FOR CONSTRUCTION	07/20	TK

CONSULTANT

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	Surveyed	Traced	Checked	Designed	Drawn	Checked
NAME	-	-	-	-	C.B	T.K
DATE	-	-	-	-	07/2020	07/2020

APPROVED
PROJECT CONTROL ENGINEER (C.&R.) .....
DIVISIONAL MANAGER (C.&R.) .....
CHIEF EXECUTIVE OFFICER .....

EMPLOYER

REPUBLIC OF NAMIBIA

UNITY LIBERTY JUSTICE

MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

DIRECTORATE OF PLANNING AND TECHNICAL SERVICES

SUBDIVISION TECHNICAL SERVICES

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MAIN TITLE

THE UPGRADING OF TOURIST ROADS IN ETOSHA NATIONAL PARK: OKAUKUEJO – OTJOVASANDU:

PHASE 4: RE-GRAVELLING OF GALTON GATE – OLIFANTSRUS ROAD INCLUDING DOLOMITE DETOUR (126KM)

SUB TITLE

KEY PLAN (1): PHASE 4
BORROW PITS & WATER POINTS

SCALE AS SHOWN

AMENDMENTS: 0 1 2 3

DRAWING No.

CONSULTANT	CLIENT
5168(4)-R-KP02	XXX