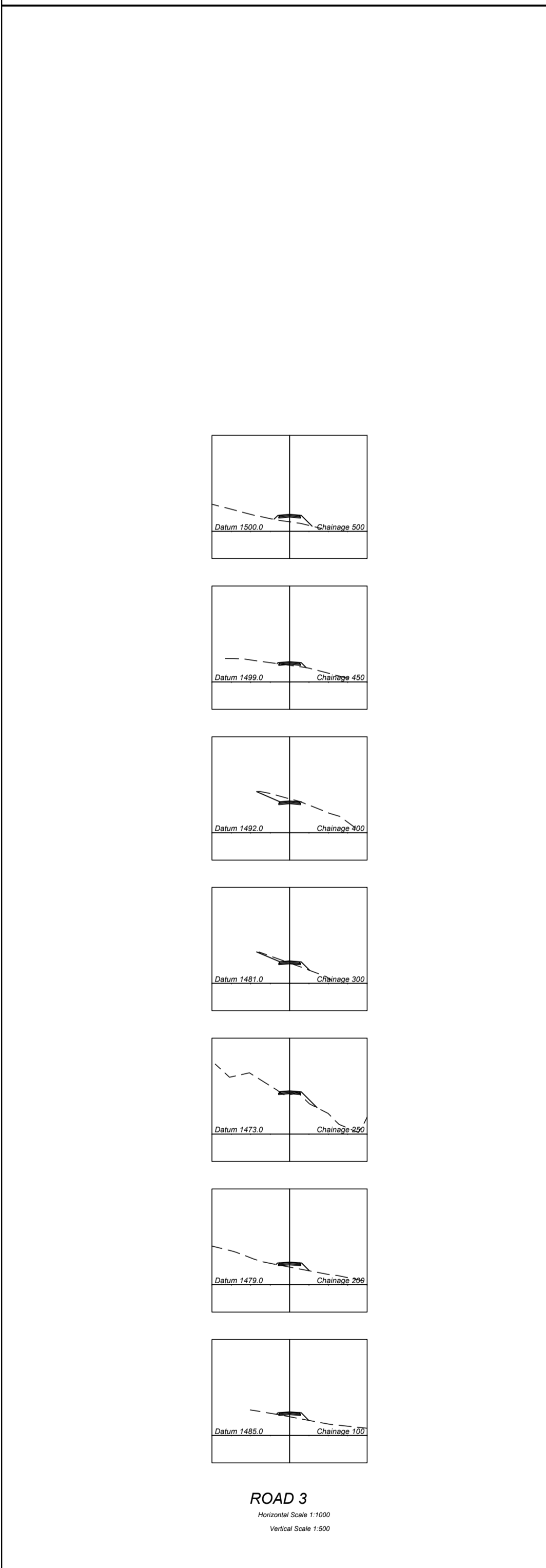
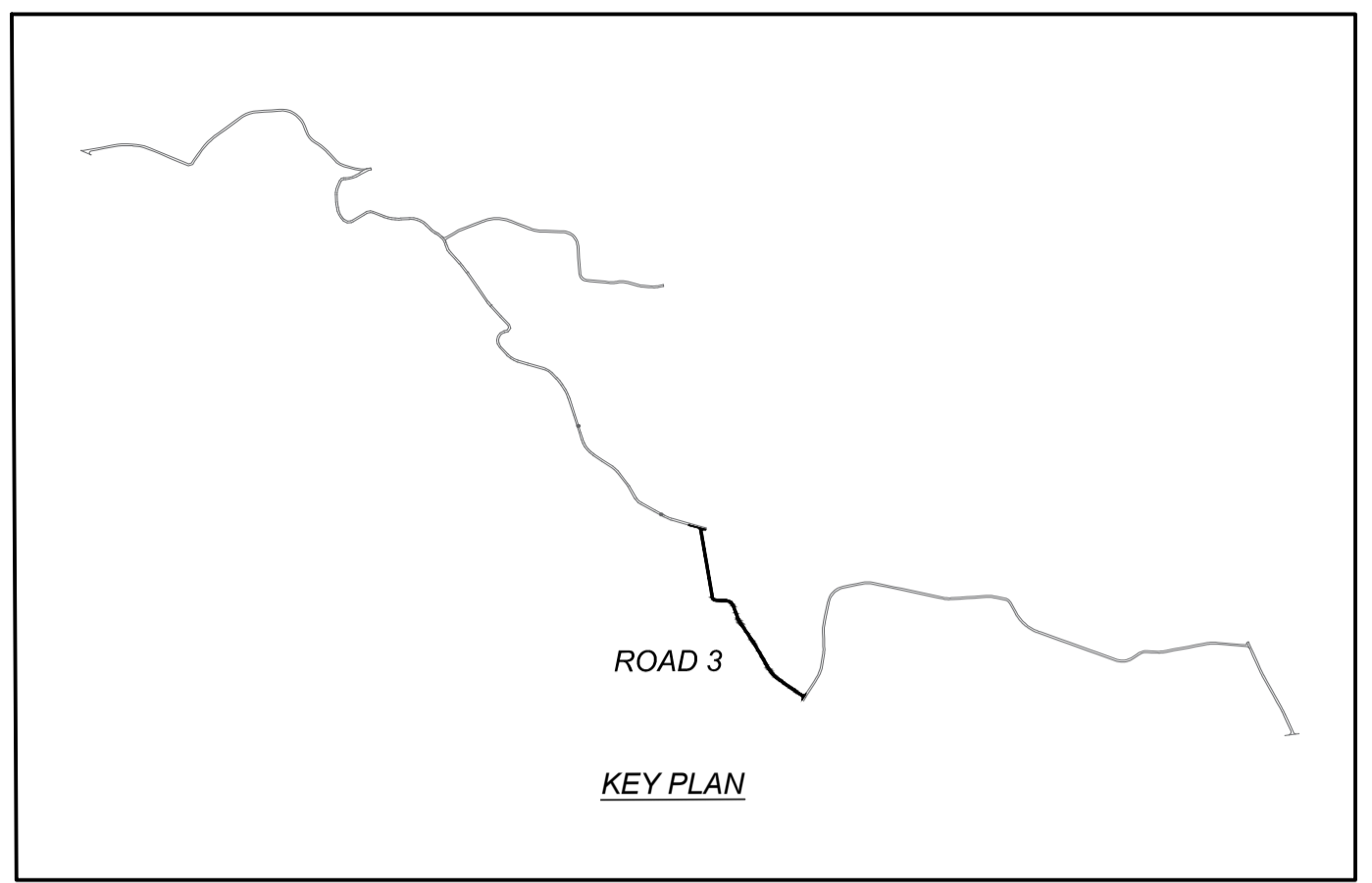
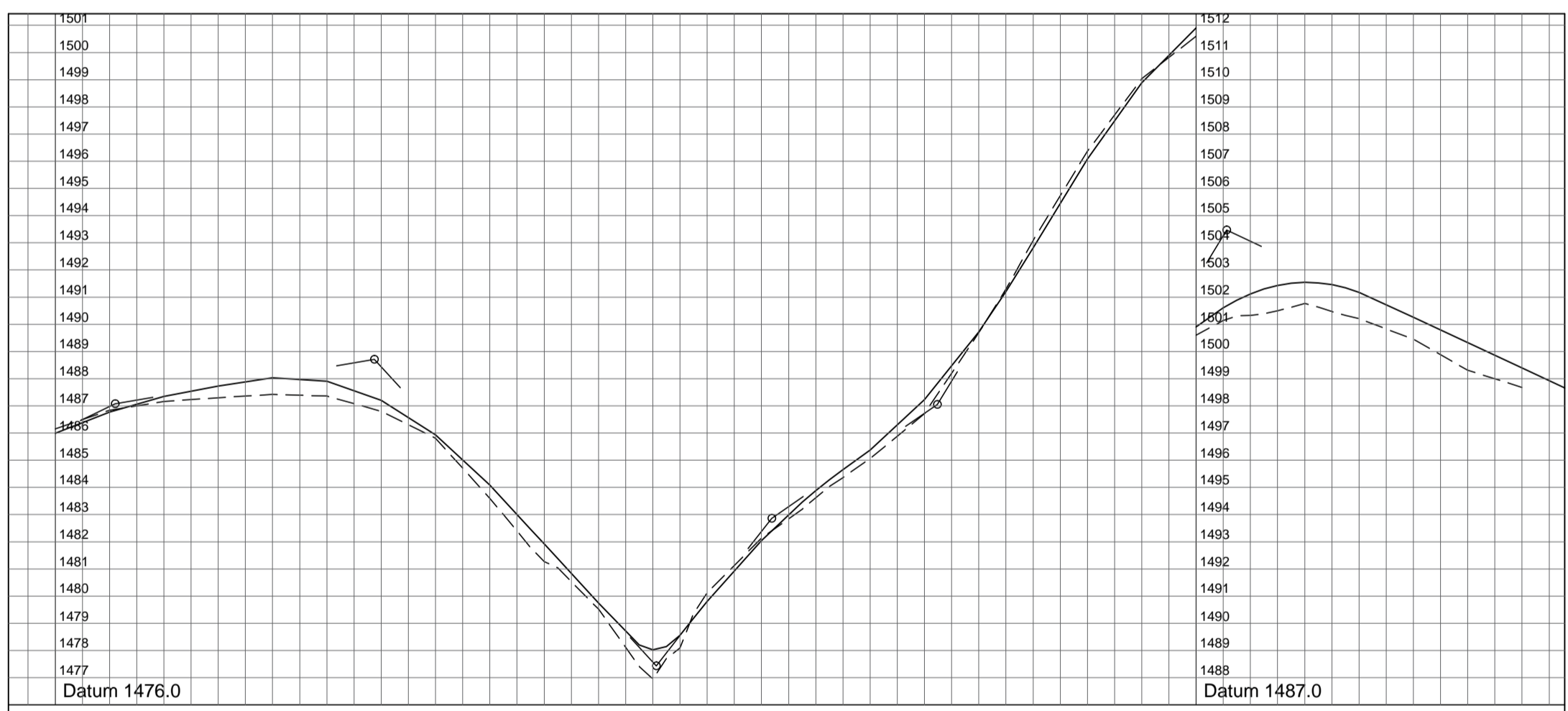


CONTROL POINTS	
BM1	-1287.004 318952.238 1422.111
BM2	-1184.637 319007.608 1375.058
BM3	-11136.531 319109.641 1511.486



FINAL ROAD LEVEL ———  
NATURAL GROUND LEVEL - - -



Chainage	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	520	540	560	575.72	
Centreline Peg Levels	1485.15	1486.84	1487.16	1487.30	1487.42	1487.36	1486.80	1485.81	1483.60	1481.27	1479.32	1477.41	1475.32	1473.13	1470.84	1468.45	1465.96	1463.37	1460.68	1457.89	1454.90	1451.71	1448.32	1444.73	1440.94	1436.95	1432.76	1428.37	1423.78	1419.00
Design Road Levels																														
Left Edge	1485.892	1485.992	1486.894	1487.243	1487.16	1487.36	1486.80	1485.81	1483.60	1481.27	1479.32	1477.41	1475.32	1473.13	1470.84	1468.45	1465.96	1463.37	1460.68	1457.89	1454.90	1451.71	1448.32	1444.73	1440.94	1436.95	1432.76	1428.37	1423.78	1419.00
Centre Line	1485.892	1485.992	1486.894	1487.243	1487.16	1487.36	1486.80	1485.81	1483.60	1481.27	1479.32	1477.41	1475.32	1473.13	1470.84	1468.45	1465.96	1463.37	1460.68	1457.89	1454.90	1451.71	1448.32	1444.73	1440.94	1436.95	1432.76	1428.37	1423.78	1419.00
Right Edge	1485.892	1485.992	1486.894	1487.243	1487.16	1487.36	1486.80	1485.81	1483.60	1481.27	1479.32	1477.41	1475.32	1473.13	1470.84	1468.45	1465.96	1463.37	1460.68	1457.89	1454.90	1451.71	1448.32	1444.73	1440.94	1436.95	1432.76	1428.37	1423.78	1419.00
Grades	-4.833%	1.715%	1.374%	1.488%	-10.859%	12.771%	6.871%	16.352%	45.723%	15.044%	-4.662%																			
Vertical Curves	60.000m VC K=19.241	88.045m VC K=7.002																												
Horizontal Curves	Curve 1 Left Radius=60.000 P=77.1540	Curve 2 Right Radius=200.000 P=13.3120	Curve 3 Left Radius=60.000 P=13.3120	Curve 4 Right Radius=60.000 P=13.3120	Curve 5 Left Radius=110.000 P=25.1236																									

ROAD 3  
Horizontal Scale 1:1000  
Vertical Scale 1:500

ROAD 3  
Chainage 0 to 575  
Horizontal Scale 1:2000  
Vertical Scale 1:200

NOTES

- ALL DIMENSIONS TO BE VERIFIED BY THE ENGINEER ON SITE.
- SITE TO BE CLEARED OF ALL SHRUBS AND TREES NOT EXCEEDING 200mm GIRTH OR AS DIRECTED BY THE ENGINEER ON SITE.
- 150mm IN-SITU GRAVEL TO BE STOCKPILED IN AN AREA AS DIRECTED BY THE ENGINEER ON SITE.
- EARTHWORKS TO BE PLACED IN LAYERS NOT EXCEEDING 150mm AND COMPACTED TO 93% MOD AASHTO.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF EXISTING FENCES DURING CONSTRUCTION.
- ALL STORMWATER MAINS ARE PRECAST CONCRETE SPIGOT AND SOCKET PIPES, CLASS 75D ON CLASS 'C' BEDDING AND BACKFILL UNLESS OTHERWISE INDICATED ON THE LONGITUDINAL SECTIONS.
- LEVELS OF ALL LAID PIPES TO BE CHECKED BY ENGINEER BEFORE BACKFILLING.

SCALE  
AS SHOWN

No.	REFERENCE DRAWINGS
0	REVISIONS
	DATE
	CHKD
	APPRV

DESIGNED	M. NCUBE
CHECKED	F. DUBE
DRAWN	M. NCUBE
CHECKED	F. DUBE

CONSULTANT:

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CLIENT:

OKHAHLAMBA MUNICIPALITY  
10 BROADWAY STREET  
P.O. BOX 71  
BERGVILLE  
3370

PROJECT NAME:  
**CONSTRUCTION OF QHOZO ROAD**

DRAWING TITLE:  
**ROAD 3 LONGITUDINAL SECTIONS AND CROSS SECTIONS**

REFERENCE DRAWING:  
8/1/1/4/1-TEC04/2018

CONTRACT NO:  
8/1/1/4/1-TEC04/2018

SHEET:  
4/7

FILE No.  
BI1197/9

DRAWING No.  
BI1197/09/04