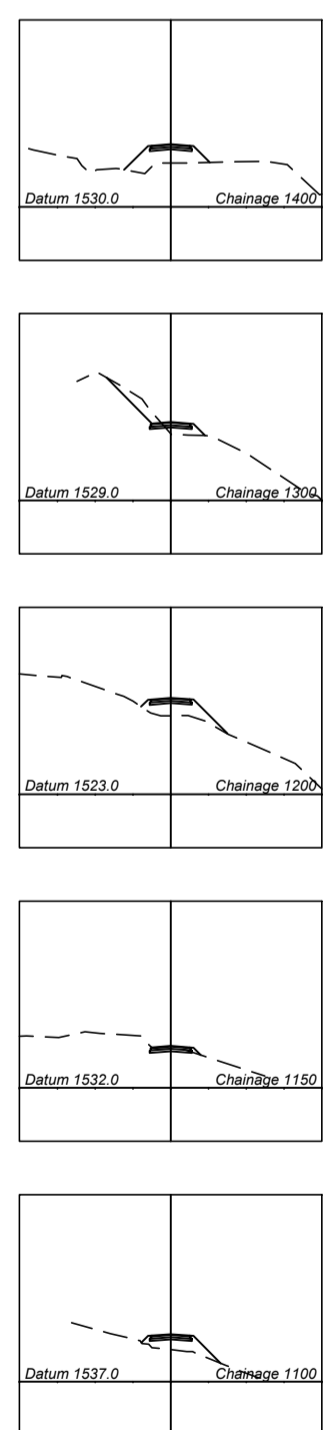
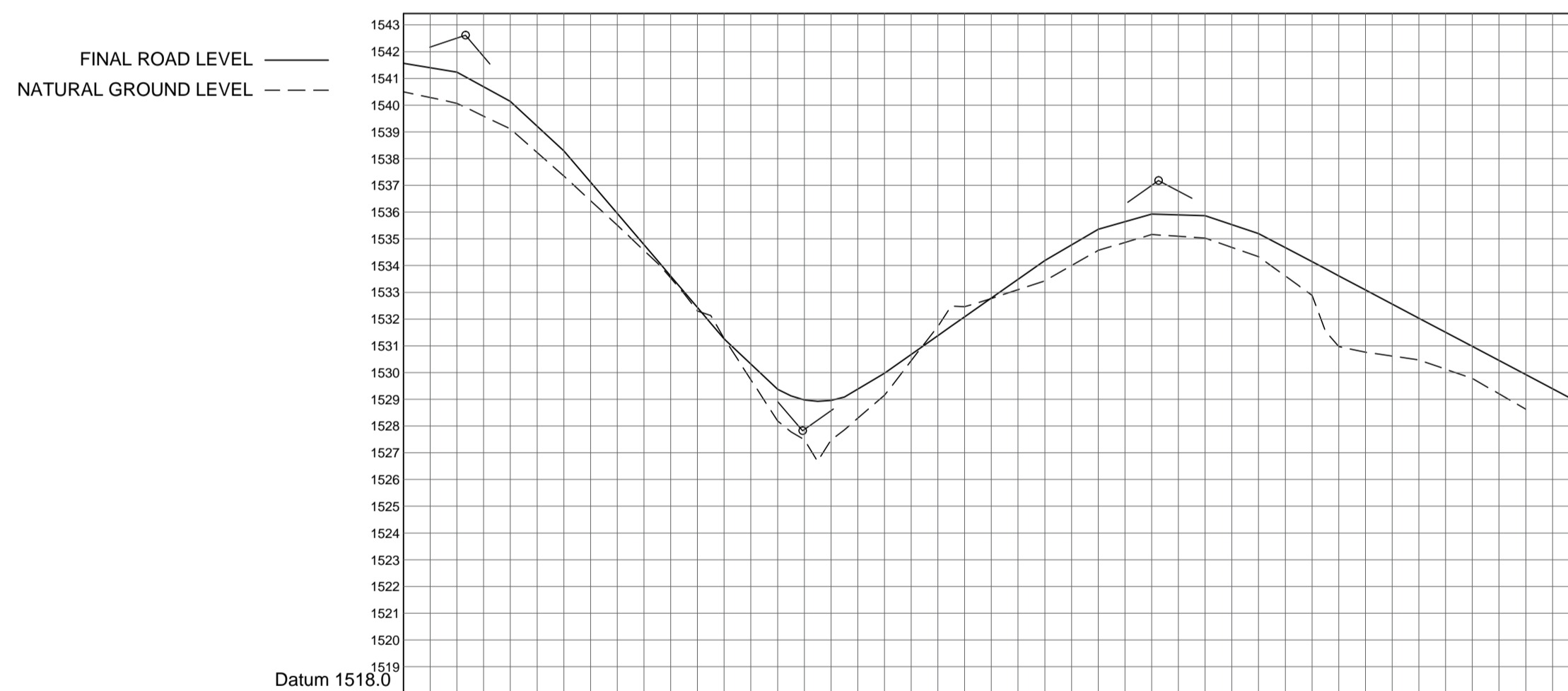


**NOTES**

1. ALL DIMENSIONS TO BE VERIFIED BY THE ENGINEER ON SITE.
2. SITE TO BE CLEARED OF ALL SHRUBS AND TREES NOT EXCEEDING 200mm GIRTH OR AS DIRECTED BY THE ENGINEER ON SITE.
3. 150mm IN-SITU GRAVEL TO BE STOCKPILED IN AN AREA AS DIRECTED BY THE ENGINEER ON SITE.
4. EARTHWORKS TO BE PLACED IN LAYERS NOT EXCEEDING 150mm AND COMPACTED TO 93% MOD AASHTO.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF EXISTING FENCES DURING CONSTRUCTION.
6. 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.
7. LEVELS OF ALL LAID PIPES TO BE CHECKED BY ENGINEER BEFORE BACKFILLING.

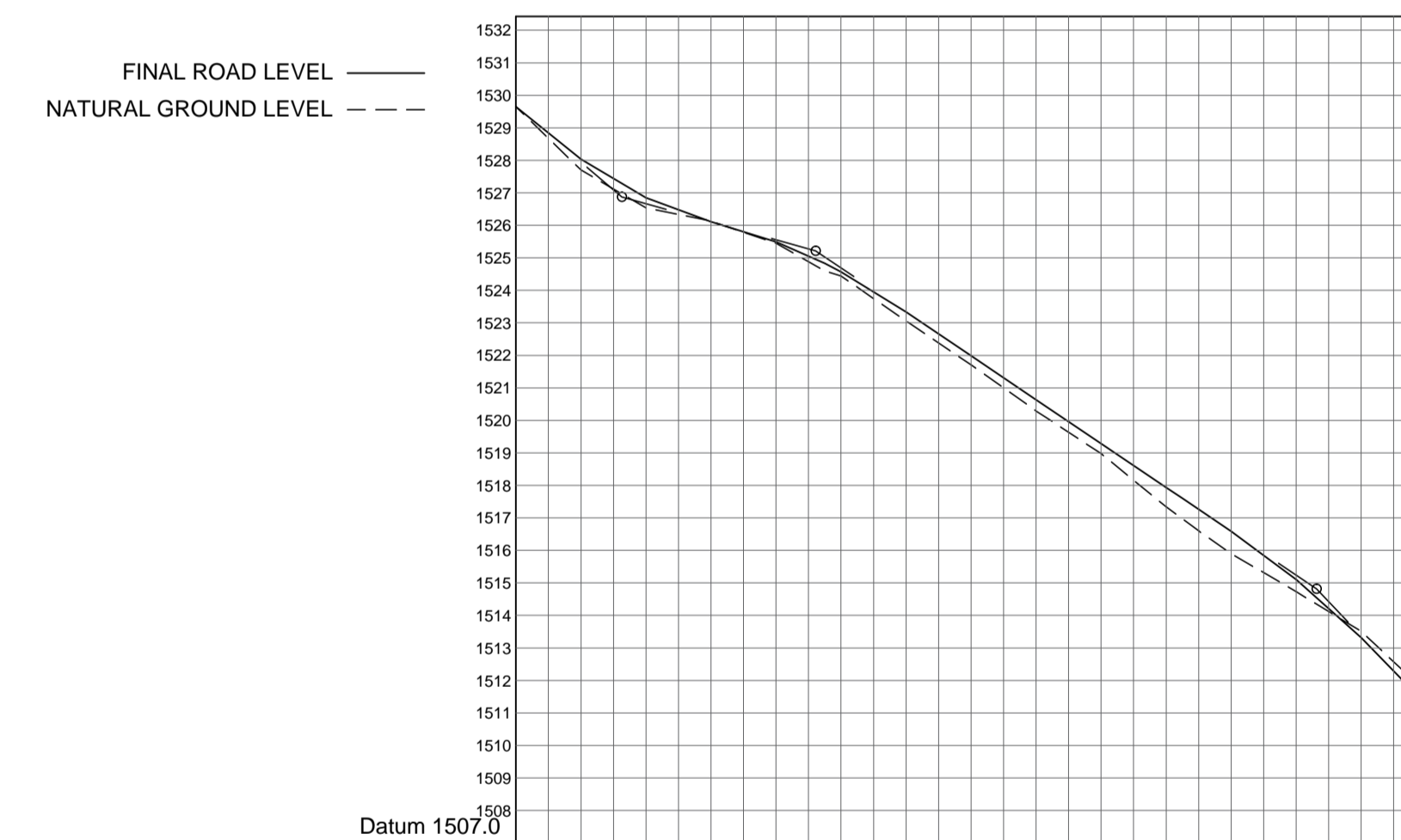


**ROAD 4**  
Horizontal Scale 1:1000  
Vertical Scale 1:500



Chainage		1060		1100		1150		1200		1250		1300		1350		1400		1450		1502		
Vertical Alignment	Centreline Peg Levels	1541.467	1541.507	1541.467	1540.90	1540.90	1539.292	1539.292	1537.35	1537.35	1535.951	1535.951	1534.311	1534.311	1532.95	1532.95	1531.748	1531.748	1530.76	1530.76	1529.871	
	Design Road Levels	Left Edge	1541.13	1541.13	1541.13	1540.07	1540.07	1538.11	1538.11	1536.71	1536.71	1535.31	1535.31	1534.11	1534.11	1533.15	1533.15	1532.19	1532.19	1531.23	1531.23	1530.27
	Centre Line	1541.467	1541.507	1541.467	1540.90	1540.90	1539.292	1539.292	1537.35	1537.35	1535.951	1535.951	1534.311	1534.311	1532.95	1532.95	1531.748	1531.748	1530.76	1530.76	1529.871	
	Right Edge	1541.799	1541.839	1541.799	1540.73	1540.73	1538.77	1538.77	1537.37	1537.37	1535.97	1535.97	1534.57	1534.57	1533.21	1533.21	1532.25	1532.25	1531.29	1531.29	1530.33	1529.37
Grades		3.37%		-11.73%		7.02%		13.42%		15.37%		-5.28%										
Vertical Curves		80.00m VC K = 5.294		80.00m VC K = 2.666		80.00m VC K = 6.501		80.00m VC K = 6.501		80.00m VC K = 6.501		80.00m VC K = 6.501		80.00m VC K = 6.501		80.00m VC K = 6.501		80.00m VC K = 6.501		80.00m VC K = 6.501		
Horizontal Curves		Direction 42.32/27		Direction 153.88/127.21		Direction 25.24/37		Direction 127.21/127.21		Direction 127.21/127.21		Direction 127.21/127.21		Direction 127.21/127.21		Direction 127.21/127.21		Direction 127.21/127.21		Direction 127.21/127.21		

**ROAD 4**  
Chainage 1060 to 1502  
Horizontal Scale 1:2000  
Vertical Scale 1:200



Chainage		0		20		40		60		80		100		120		140		160		180		200		220		240		260		278.09	
Vertical Alignment	Centreline Peg Levels	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850		
	Design Road Levels	Left Edge	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	1529.520	
	Centre Line	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	
	Right Edge	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	1529.850	
Grades		-8.51%		-2.78%		9.2%		-6.75%		2.46%		15.4%		15.4%		15.4%		15.4%		15.4%		15.4%		15.4%		15.4%		15.4%	15.4%		
Vertical Curves		50.00m VC K = 8.731		50.00m VC K = 12.614		50.00m VC K = 12.614		50.00m VC K = 12.614		50.00m VC K = 12.614		50.00m VC K = 12.614		50.00m VC K = 12.614		50.00m VC K = 12.614		50.00m VC K = 12.614		50.00m VC K = 12.614		50.00m VC K = 12.614		50.00m VC K = 12.614		50.00m VC K = 12.614		50.00m VC K = 12.614	50.00m VC K = 12.614		
Horizontal Curves		Direction 88.15/33		Direction 83.96/16		Direction 83.96/16		Direction 83.96/16		Direction 83.96/16		Direction 83.96/16		Direction 83.96/16		Direction 83.96/16		Direction 83.96/16		Direction 83.96/16		Direction 83.96/16		Direction 83.96/16		Direction 83.96/16		Direction 83.96/16	Direction 83.96/16		

**ROAD 5**  
Chainage 0 to 278  
Horizontal Scale 1:2000  
Vertical Scale 1:200

SCALE AS SHOWN

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

REVISIONS	DATE	CHKD	APPRV
0			

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 BERGVILLE  
 3370

PROJECT NAME:  
**CONSTRUCTION OF QHOZO ROAD**

DRAWING TITLE:  
**ROAD 4 AND ROAD 5 PLAN LAYOUT, LONGITUDINAL SECTIONS AND CROSS SECTIONS**

REFERENCE DRAWING:	CONTRACT No:
SHEET:	FILE No.
DRAWING No.	