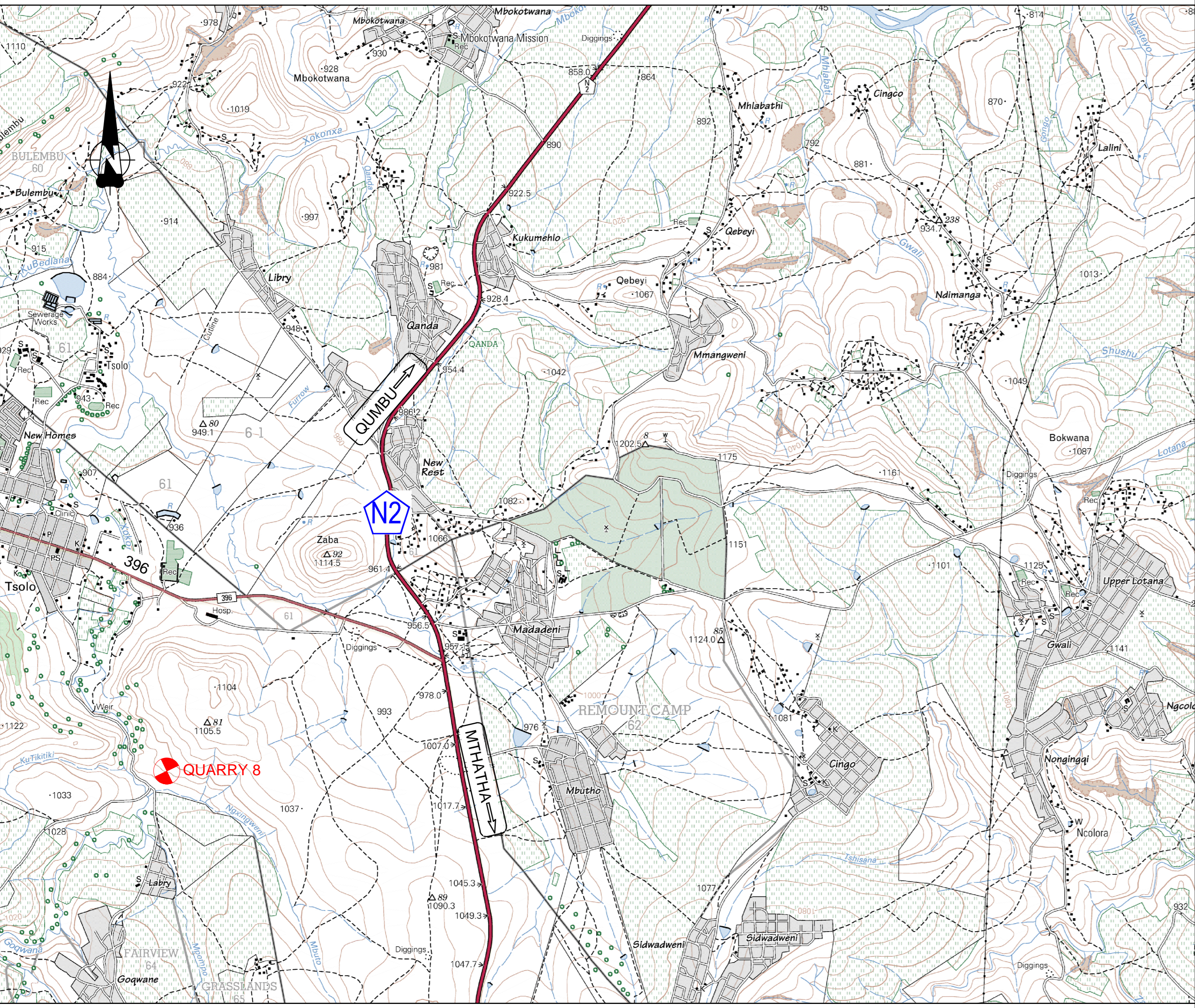


ORIGINAL 1 : 50 000
3128 BD

QUARRY 8 CO-ORDINATES
Y -21670.780 X +3468046.930



LAYOUT PLAN N.T.S.

LEGEND

	POSITION OF BORROWPIT
	FENCE AREA

MATERIAL DESCRIPTION

Hard rock	
Pavement Layers, concrete and surface aggregate	
TOTAL CAPACITY	: 887 000m ³
FENCE AREA	: 11,51Ha

QUARRY 8 - TSOLO COMMONAGE
 QUARRY No. 07
 OWNER: Cheryl L. Goss
 ADDRESS: Community Trust Land
 TEL: 072 300 2066

- NOTES:**
1. ANY INVADER SPECIES WILL BE REMOVED FROM THE SITE BEFORE ANY TOPSOIL IS CLEARED. THE TOPSOIL WILL BE STRIPPED TO A MINIMUM DEPTH OF 0.50m IF AVAILABLE AND STORED AWAY FROM DRAINAGE LINES ALONG THE EDGES OF THE EXCAVATED AREA. STOCKPILES WILL NOT EXCEED 1m IN HEIGHT AND WILL NOT BE COMPACTED FOR MORE THAN SIX MONTHS BEFORE BEING USED FOR REHABILITATION. TOPSOIL WILL BE SPREAD ON THE SURFACE AS SOON AS THE QUARRY EXCAVATION HAS BEEN COMPLETED AND ITS SLOPES HAVE BEEN FINISHED OFF AS REQUIRED.
 2. THE QUARRY SITE AND EXISTING ACCESS ROAD WILL BE PROPERLY DEMARCATED AND FENCED OFF BEFORE COMMENCEMENT OF MINING OPERATION.
 3. DUST EMISSIONS WILL BE EFFECTIVELY CONTROLLED BY APPROPRIATE MEASURES SUCH AS SPRAYING WATER AND/OR OTHER DUST CONTROL MEASURES. EXCAVATED MATERIAL STOCKPILES WILL BE ADEQUATELY PROTECTED AGAINST THE WIND, WHERE NECESSARY, THROUGH MEASURES SUCH AS SHADE CLOTH SCREENS OR HESSIAN COVERING. IN THE SHORT TERM, STOCKPILES MAY ALSO BE DAMPENED TO MINIMIZE DUST GENERATION.
 4. VEHICLE SPEEDS WILL BE RESTRICTED TO PREVENT ACCIDENTS, TO REDUCE DUST AND NOISE POLLUTION AND TO PREVENT ANY POSSIBLE INJURY TO LIVESTOCK.
 5. ACCESS TO ALL GATES WILL BE CONTROLLED AS AGREED WITH THE LANDOWNER / LESSEE AND IN ACCORDANCE WITH THEIR REQUIREMENTS.
 6. A TEMPORARY EATING AREA WILL BE PROVIDED WITHIN THE QUARRY AREA TO ENSURE THAT SITE PERSONNEL DO NOT MOVE OFF SITE TO EAT. ABLUTION FACILITIES WILL BE PROVIDED AND WILL BE LOCATED TO PREVENT THE POLLUTION OF GROUNDWATER. TOILET PAPER WILL BE PROVIDED.
 7. TEMPORARY WASTE DISPOSAL AREAS WILL BE DEMARCATED AND FENCED (IF NECESSARY) AND WASTE WILL BE COLLECTED AND STORED IN WEATHERPROOF CONTAINERS (WITH LIDS) WITHIN THIS AREA FOR DISPOSAL AT A LICENSED WASTE DISPOSAL FACILITY. ALL WASTE WILL BE REMOVED FROM SITE BY THE CONTRACTOR. NO BURNING, ON-SITE DUMPING OR BURYING OF WASTE WILL OCCUR.
 8. MINING OF QUARRY WILL REQUIRE BLASTING AND CRUSHING.
 9. ALL WORKED AREAS WILL BE LEVELED WITH SURPLUS OVERBURDEN AS AVAILABLE FROM STOCKPILE. HARD ROCK BATTERS WILL BE TRIMMED OF LOOSE MATERIAL TO MAKE SAFE.
 10. ALL DISTURBED AREAS NOT MINED WILL BE REINSTATED BY SCARIFYING AND SPREADING AVAILABLE TOPSOIL FROM STOCKPILE AND REVEGETATED AS REQUESTED.
 11. A REHABILITATION SPECIALIST TO BE CONTACTED PRIOR TO WORK COMMENCING ON SITE TO DETERMINE REQUIREMENTS FOR SEARCH AND RESCUE AND BRUSH CUTTING.

BORROW PIT EXTENT CO-ORDINATES

NAME	Y	X
QUARRY1	21 466 388	3 468 087 547
QUARRY2	21 454 976	3 468 047 919
QUARRY3	21 550 310	3 467 903 898
QUARRY4	21 585 683	3 467 897 861
QUARRY5	21 846 404	3 468 048 103
QUARRY6	21 860 416	3 468 091 510
QUARRY7	21 810 539	3 468 167 130
QUARRY8	21 785 644	3 468 179 620

AREA OF PIT = 6,89 Ha

FENCE CO-ORDINATES

NAME	Y	X
QUARRY08_F01	21 861 748	3 468 163 063
QUARRY08_F02	21 812 842	3 468 221 866
QUARRY08_F03	21 374 050	3 468 097 874
QUARRY08_F04	21 545 798	3 467 833 328
QUARRY08_F05	21 968 654	3 468 088 067

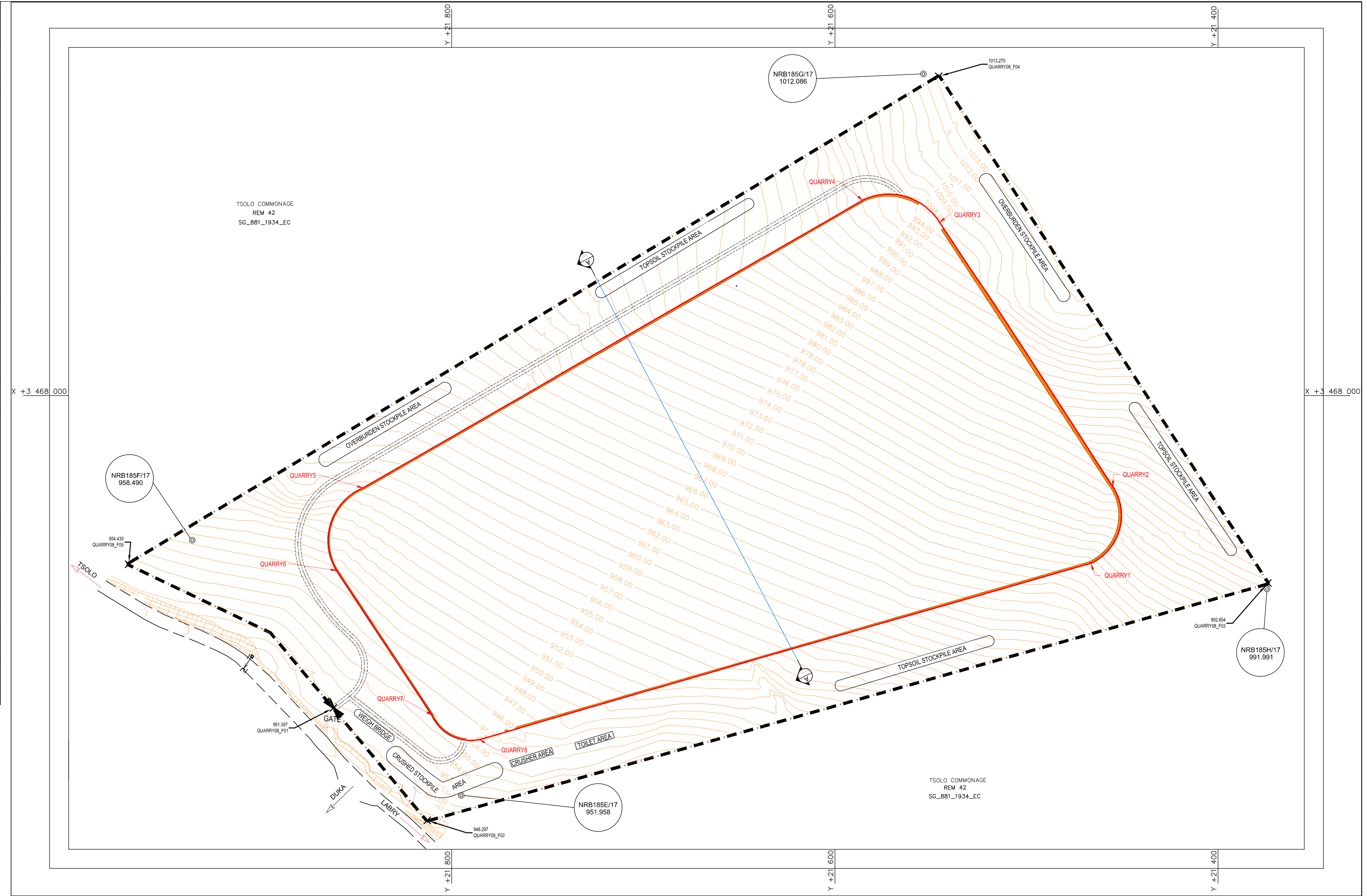
FENCED AREA = 11,51 Ha

LEGEND

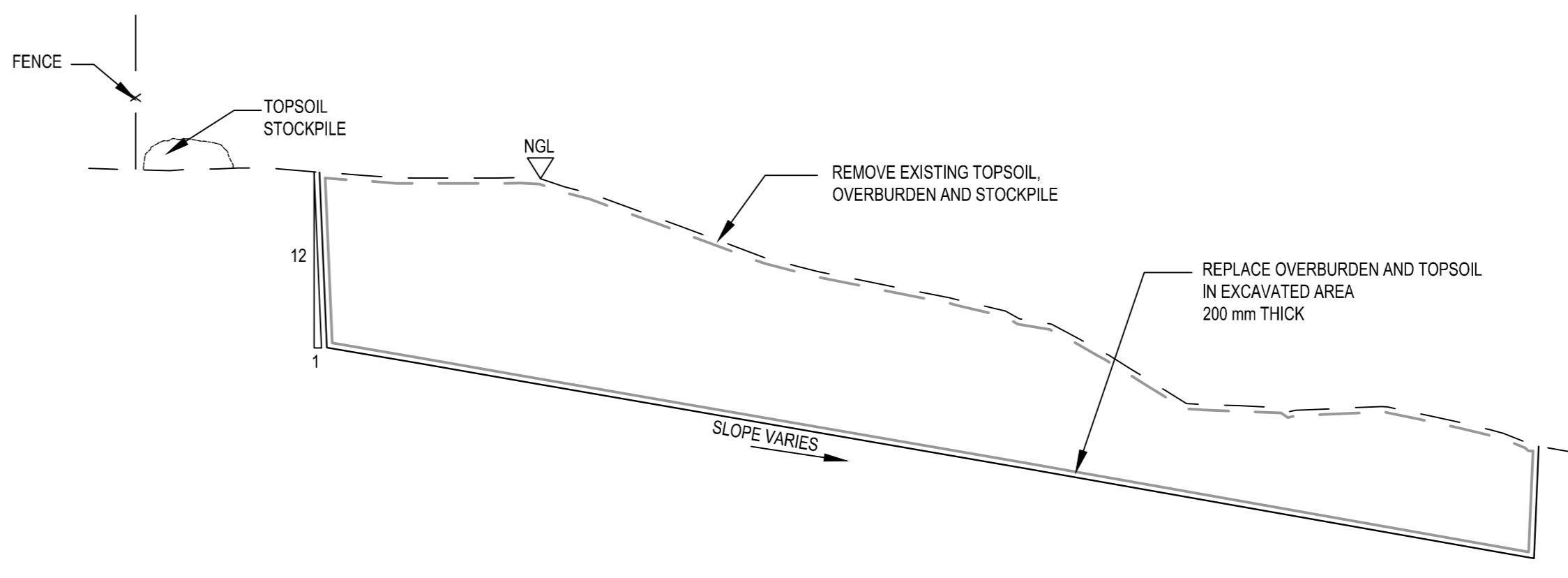
	TEST HOLES
	BORROW PIT BOUNDARY
	EXTENT OF BORROW PIT
	FENCE BOUNDARY
	FENCE LINE
	BATTER SLOPES
	ELECTRICAL POLE
	OVERHEAD LINE
	CADASTRAL BOUNDARIES

CO-ORDINATES

POINT	Y _±	X _±	SYSTEM	WG 29°
NRB185E/17	21795.03	3468208.79		
NRB185F/17	21935.43	3468075.57		
NRB185G/17	21563.78	3467832.06		
NRB185H/17	21374.41	3468100.93		



LAYOUT PLAN SCALE 1:1000



SECTION A - A N.T.S.

CONSTRUCTION RECORD

No.	DATE	REVISION	CONSULT. ENG.
01	15/02/2017	PRELIMINARY DESIGN	

DESIGNED BY
UWP CONSULTING (Pty) Ltd
 CLEVEDON HOUSE
 2 CLEVEDON ROAD
 SELBOURNE
 5201
 TEL: (043) 721 - 0186
 FAX: (086) 539 - 2880

V3 CONSULTING ENGINEERS
 66 NEWTON STREET
 NEWTON PARK
 PORT ELIZABETH
 6045
 TEL: (041) 045 - 0430
 FAX: (0)87 405 0471

DESIGNED BY

NAME	S. BOSKALITSE
Prof. Reg. No.	
CHECKED BY	
NAME	S. van WYK
Prof. Reg. No.	9070132
Date	05/12/2016

CONSULTANT APPROVAL

Name: S. van WYK
 Prof. Reg. No.: 9070132
 Date: 05/12/2016

HEAD OFFICE
 48 Tambotie Avenue
 Val de Grace
 Pretoria
 0184
 PO Box 415
 Pretoria 0001
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 Tel: (012) 844 8000



SOUTHERN REGION
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 Bay West
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 6025
 P.O. Box 24210
 Bay West
 Port Elizabeth
 6034
 Tel: (041) 398 3200

ACCEPTANCE

THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING

for CEO: SA NATIONAL ROADS AGENCY SOC. LTD.
 Date:

PROJECT DESCRIPTION
 REHABILITATION OF NATIONAL ROUTE 2 SECTION 19 BETWEEN NQADU (km 21,7) AND MZEKE RIVER (km 55,4) AND SAFETY IMPROVEMENTS AT DAN'S (km 17,0 TO 19,0)

DESCRIPTION
 QUARRY 8 - N2-19 Km 100 LEFT

PROJECT NUMBER	N.002-190-2013/1F	
DRAWING LOCATION DATA	START	END
ROUTE	N2	N2
SECTION	19	19
DRAWING km DISTANCE		
DRAWING TYPE	QUARRY	
BRIDGE/STRUCTURE No.		
CONSULTANT DRAWING No.	FA	25646-1244
SANRAL DOCUMENT #		