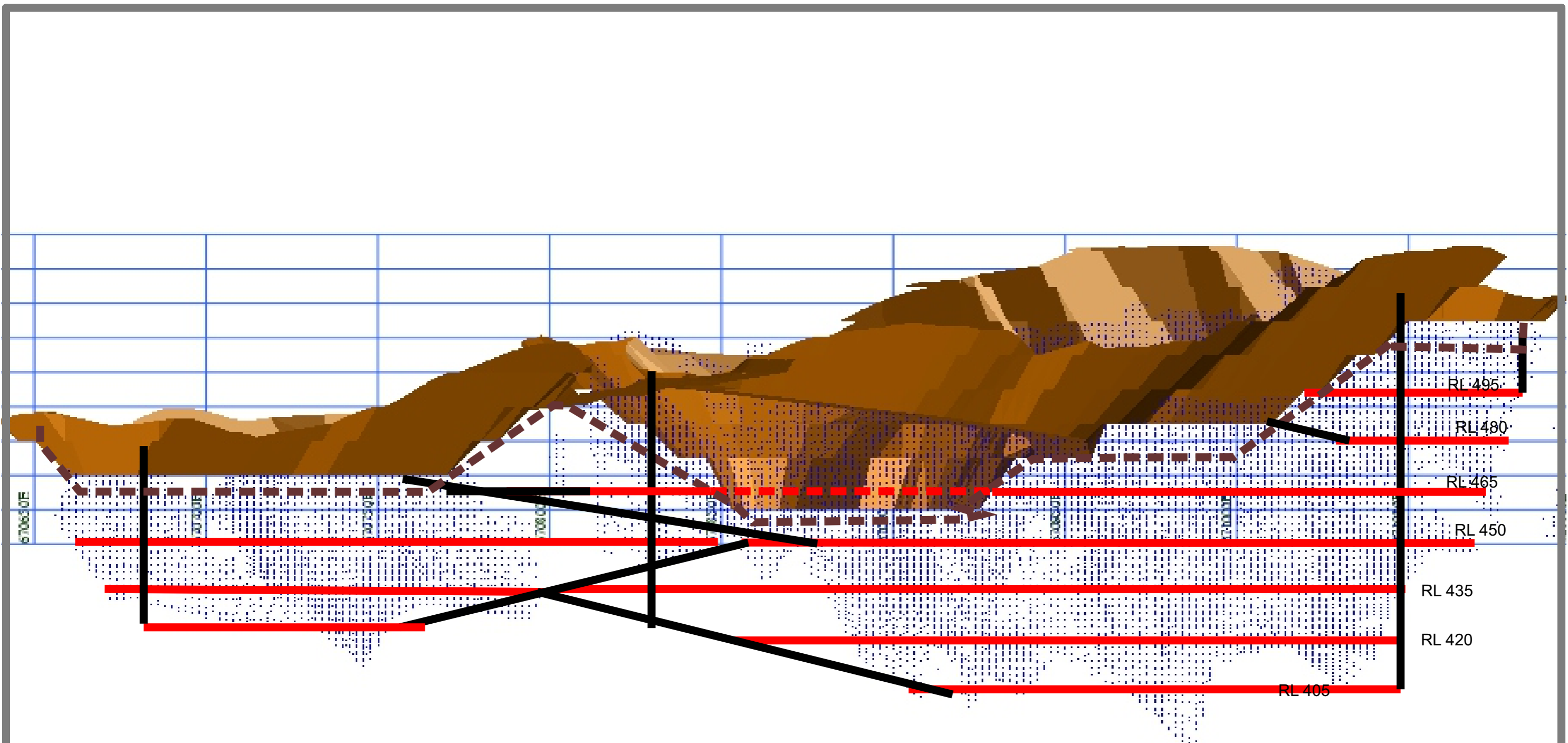


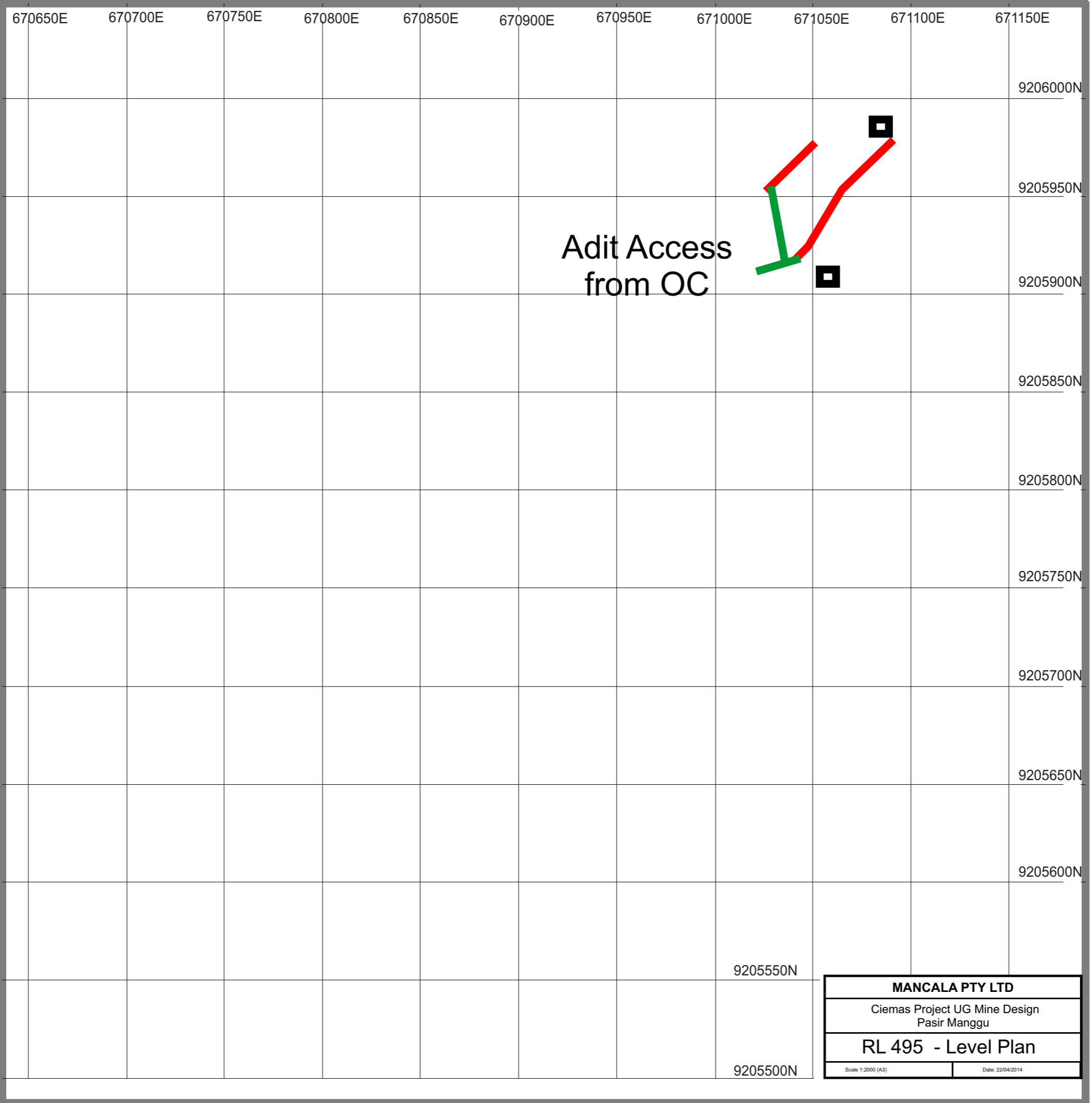
Appendix - A

Pasir Manggu

Conceptual Underground Design



MANCALA PTY LTD	
Ciemas Project UG Mine Design Pasir Manggu	
Longitudinal Projection	
Scale - NTS	Date: 22/04/2014

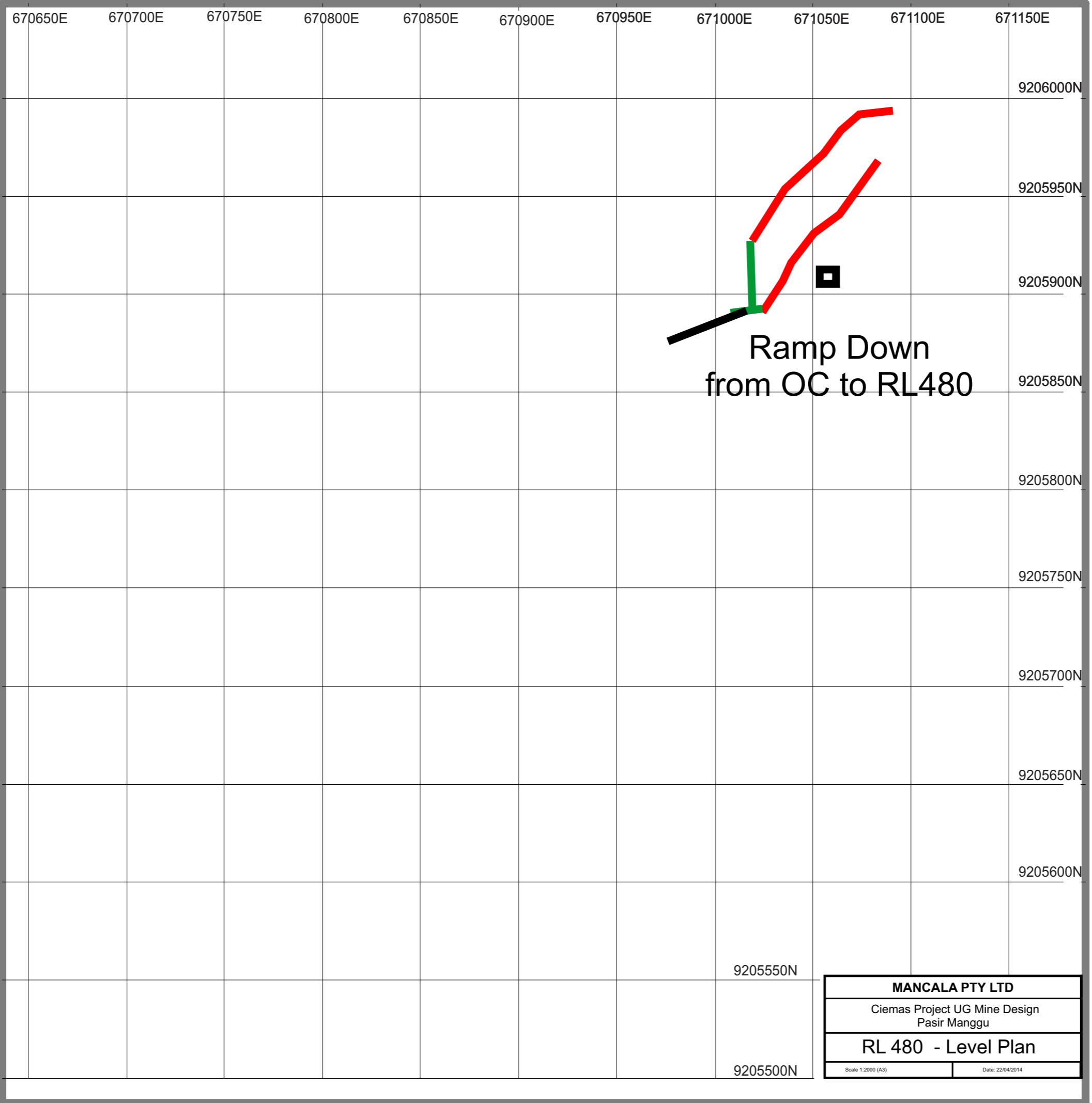


- Ore Development
- Level Development
- Decline Development
1 in 7 approx.
- Vent Rise

MANCALA PTY LTD	
Ciemas Project UG Mine Design Pasir Manggu	
RL 495 - Level Plan	
Scale 1:2000 (A3)	Date: 22/04/2014

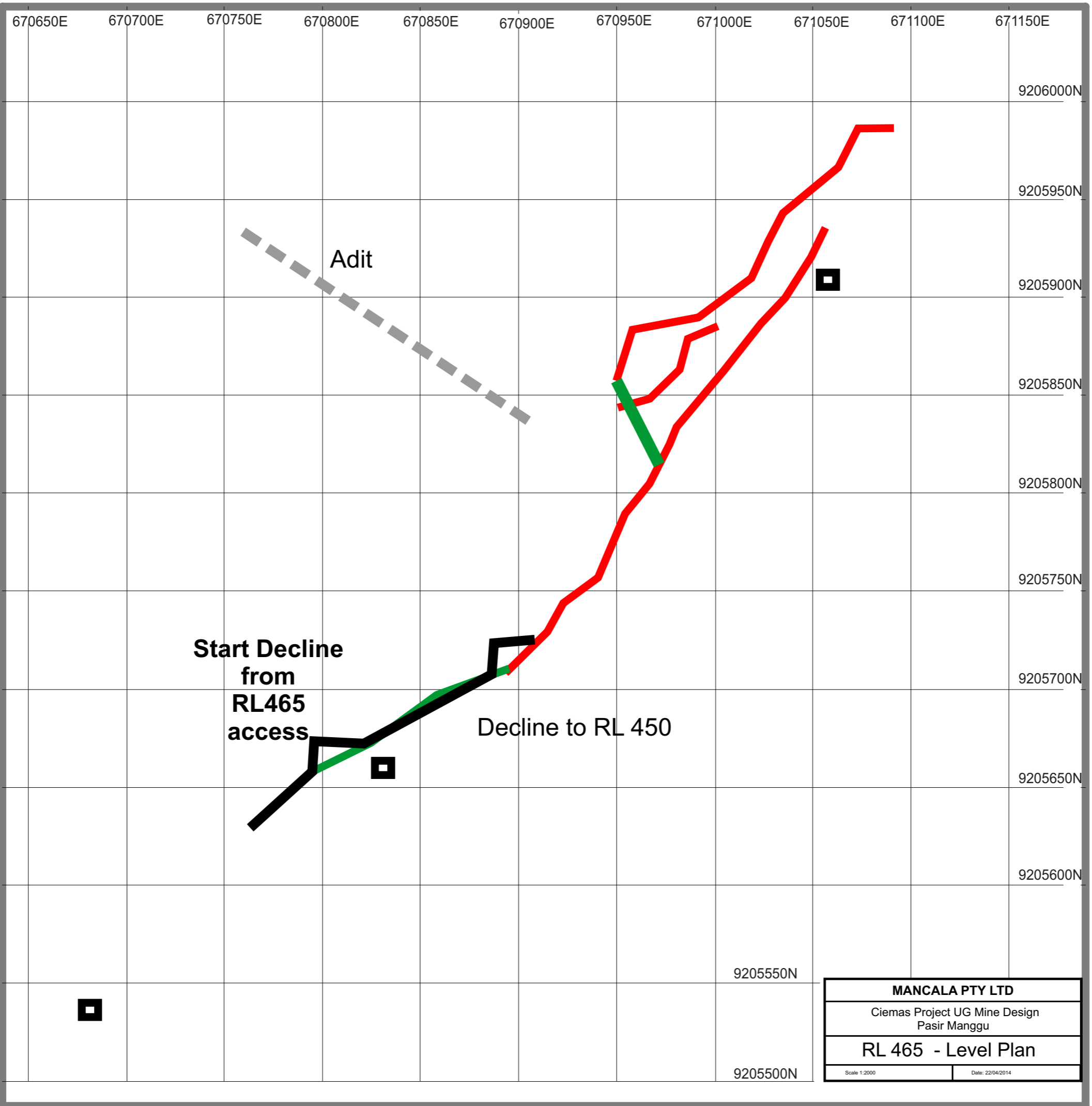
9205550N

9205500N



Ramp Down
from OC to RL480

MANCALA PTY LTD	
Ciemas Project UG Mine Design Pasir Manggu	
RL 480 - Level Plan	
Scale 1:2000 (A3)	Date: 22/04/2014

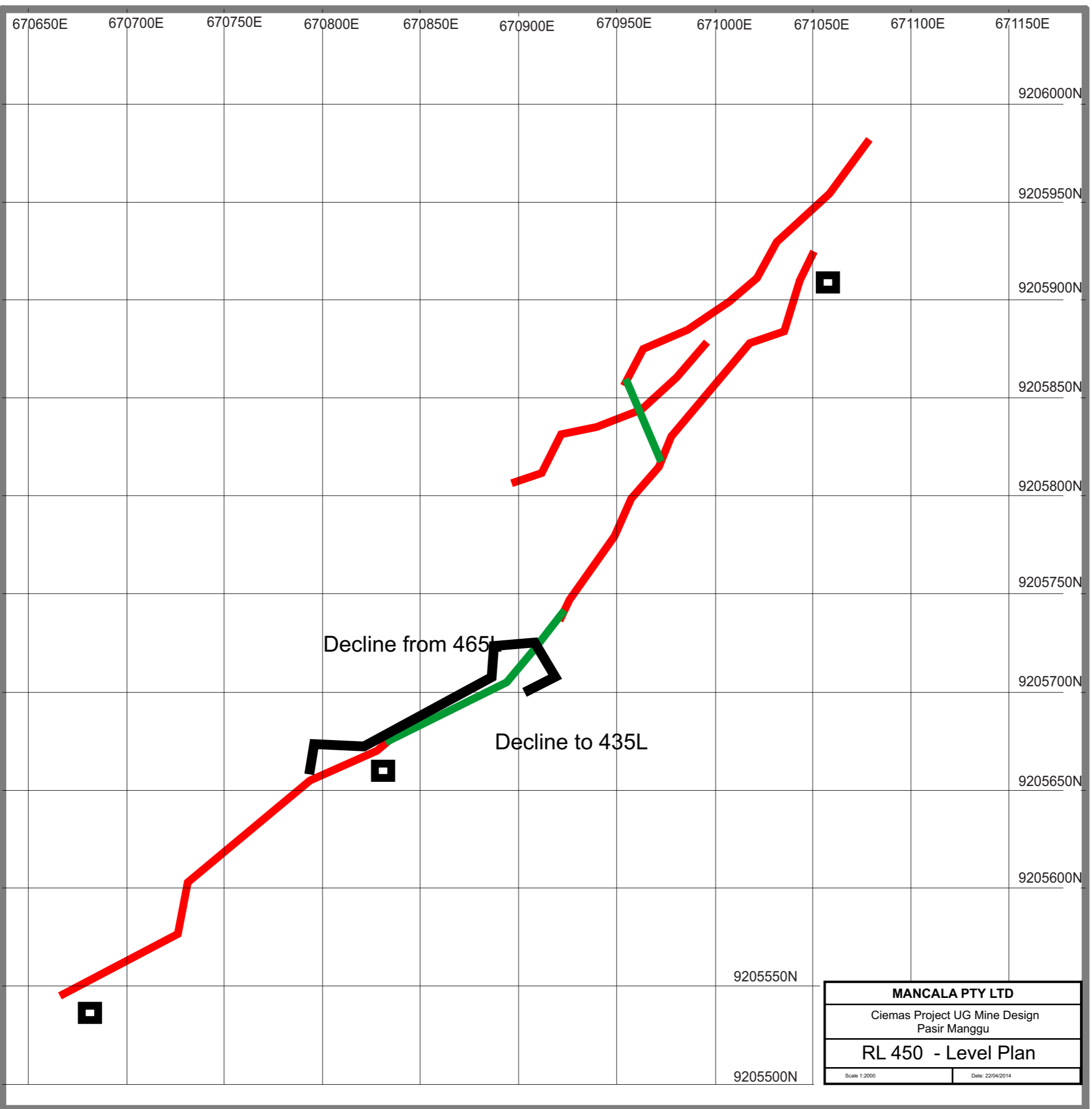


Start Decline
from
RL465
access

Decline to RL 450

Adit

MANCALA PTY LTD	
Ciemas Project UG Mine Design Pasir Manggu	
RL 465 - Level Plan	
Scale 1:2000	Date: 22/04/2014



670650E 670700E 670750E 670800E 670850E 670900E 670950E 671000E 671050E 671100E 671150E

9206000N

9205950N

9205900N

9205850N

9205800N

9205750N

9205700N

9205650N

9205600N

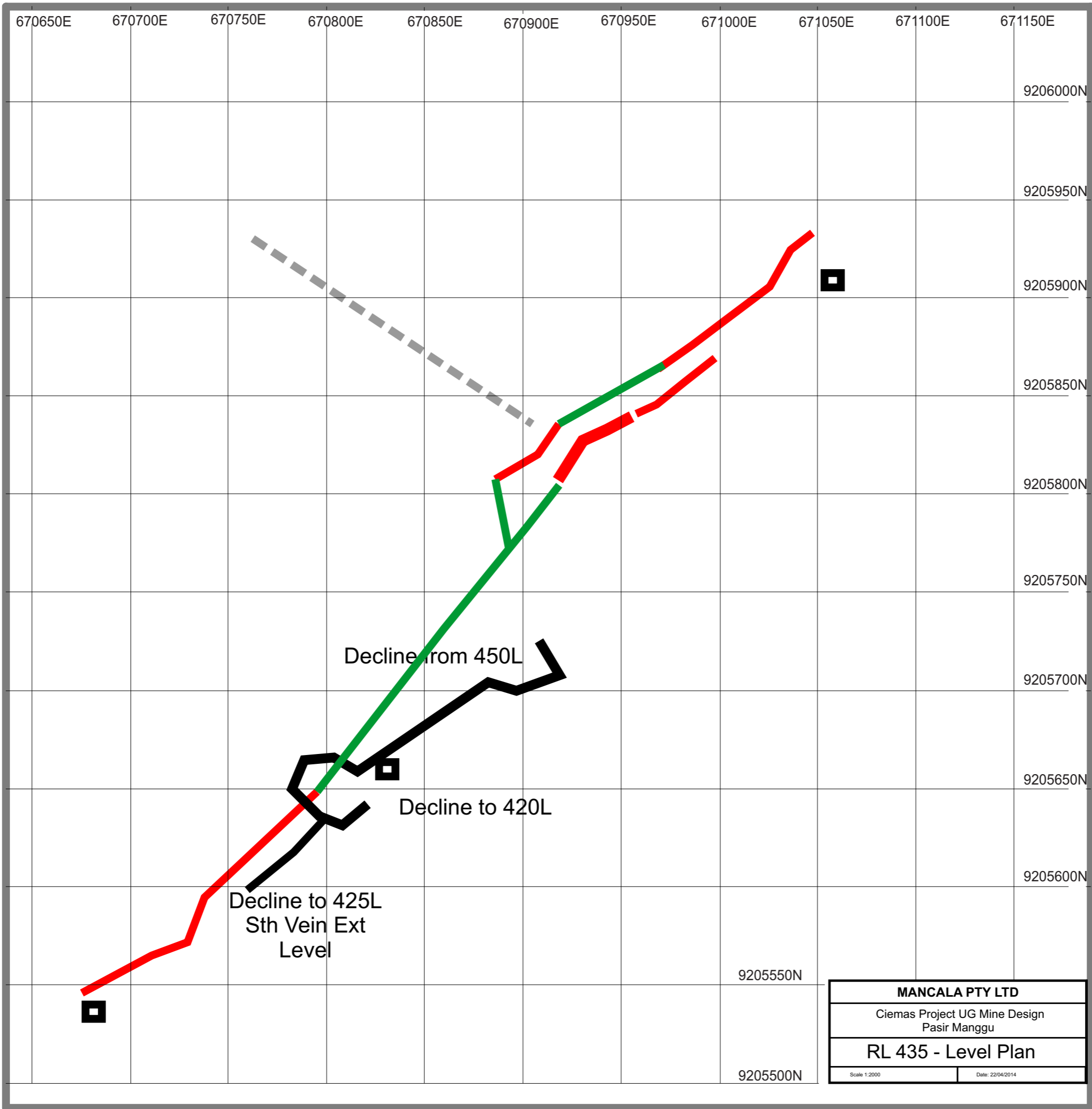
9205550N

9205500N

MANCALA PTY LTD	
Ciemas Project UG Mine Design Pasir Manggu	
RL 450 - Level Plan	
Scale 1:2000	Date: 22/04/2014

Decline from 465L

Decline to 435L



670650E

670700E

670750E

670800E

670850E

670900E

670950E

671000E

671050E

671100E

671150E

9206000N

9205950N

9205900N

9205850N

9205800N

9205750N

9205700N

9205650N

9205600N

9205550N

9205500N

Decline from 450L

Decline to 420L

Decline to 425L
Sth Vein Ext
Level

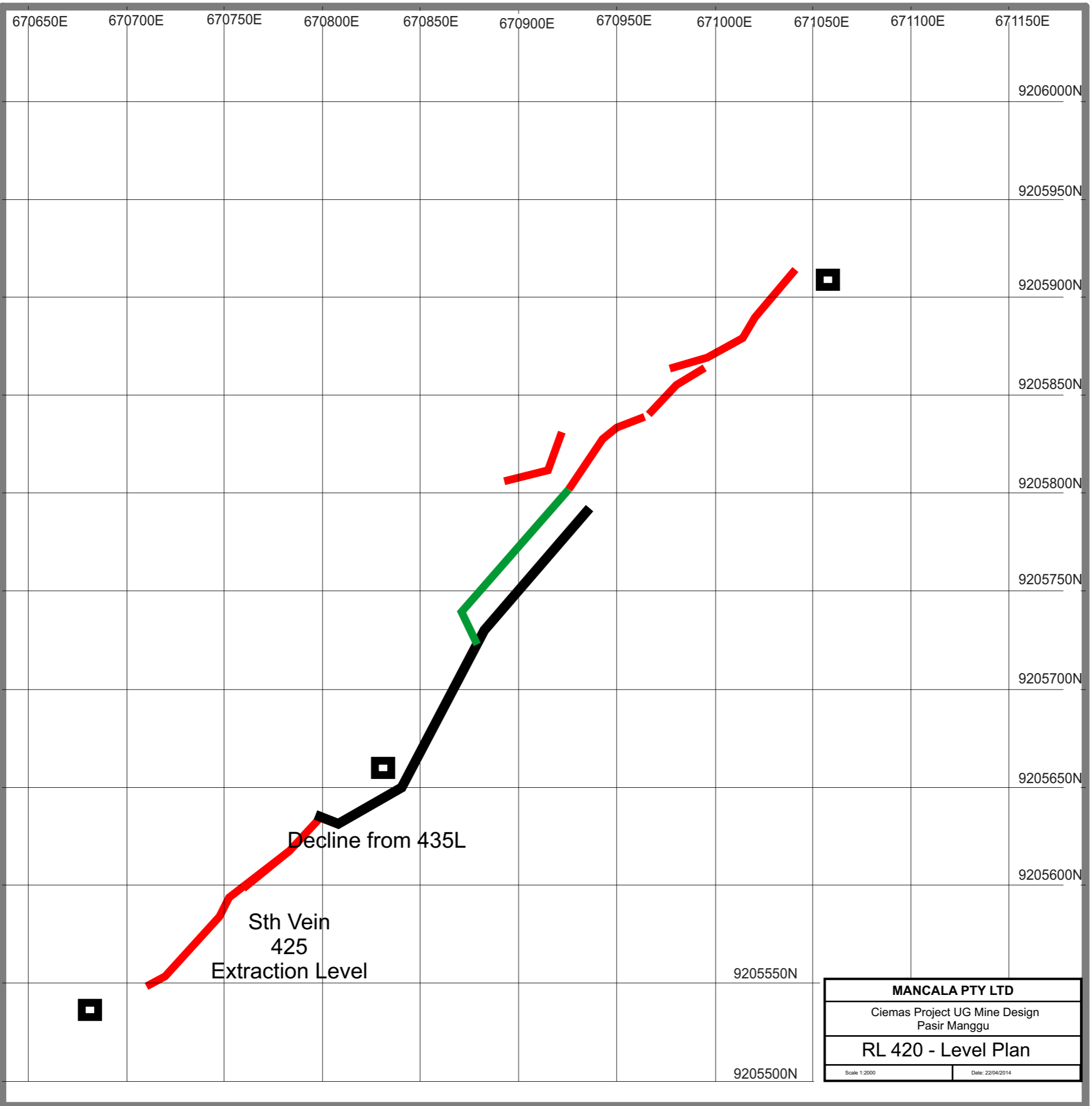
MANCALA PTY LTD

Ciemas Project UG Mine Design
Pasir Manggu

RL 435 - Level Plan

Scale 1:2000

Date: 22/04/2014



670650E

670700E

670750E

670800E

670850E

670900E

670950E

671000E

671050E

671100E

671150E

9206000N

9205950N

9205900N

9205850N

9205800N

9205750N

9205700N

9205650N

9205600N

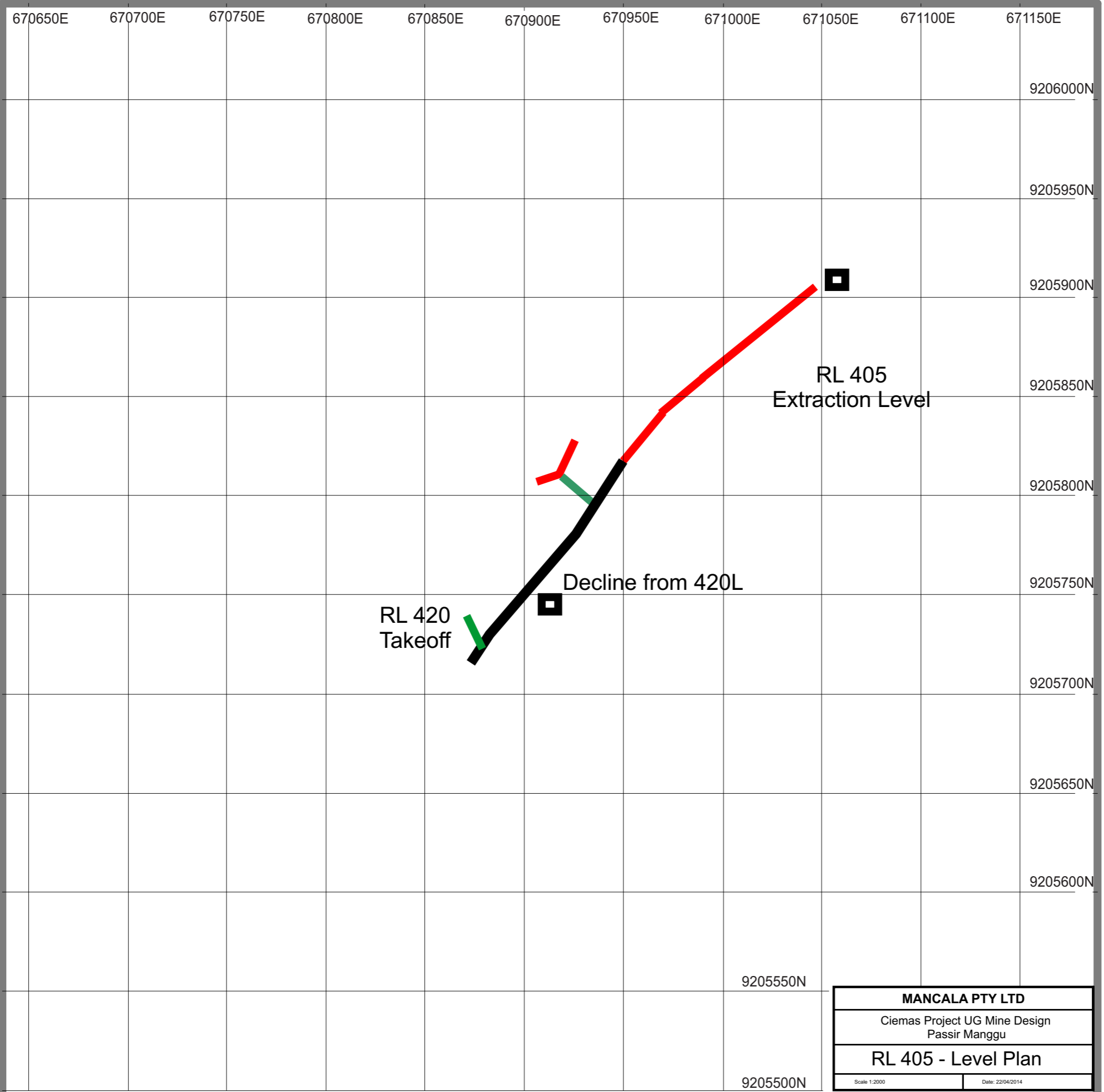
9205550N

9205500N

Decline from 435L

Sth Vein
425
Extraction Level

MANCALA PTY LTD	
Ciemas Project UG Mine Design Pasir Manggu	
RL 420 - Level Plan	
Scale 1:2000	Date: 22/04/2014



670650E 670700E 670750E 670800E 670850E 670900E 670950E 671000E 671050E 671100E 671150E

9206000N

9205950N

9205900N

9205850N

9205800N

9205750N

9205700N

9205650N

9205600N

9205550N

9205500N

MANCALA PTY LTD	
Ciemas Project UG Mine Design Passir Manggu	
RL 405 - Level Plan	
Scale 1:2000	Date: 22/04/2014