

Rangott Mineral Exploration Pty. Ltd.
ABN 36 002 563 825

for

HANSON CONSTRUCTION MATERIALS

REPORT on DRILLING PROGRAMMES

at the

PLANNED LYNDON QUARRY SITE (East Guyong, NSW)

July - August, 2012.

Distribution:

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Rangott Mineral Exploration Pty. Ltd.,

31st August, 2012.

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1.0 INTRODUCTION

During late July and early August, 2012, three phases of drilling were carried out at the Lyndon Quarry site for engineering planning and asbestos risk assessment purposes. The drill phases and their objectives were:-

- (a) shallow auger drilling at key points on the planned locations of major items of plant in the proposed Infrastructure Area, to confirm that Byng Volcanics will not be intersected to the planned excavation depths at those points,
- (b) reverse circulation percussion drilling in the northwestern corner of the Infrastructure Area, and along the northwestern part of the revised proposed route of the site access road where it crosses a low ridge of Tertiary basalt. The objective of this drilling was to provide information on the types of materials which will need to be excavated, to estimate the quantities of each material to be excavated (for use in construction at the site, and for calibration of the crushing plant and for construction of bunds and soil stockpiles), and for confirming that Byng Volcanics is not present to the depths of excavation,
- (c) larger diameter auger geotechnical drilling to enable close-spaced penetrometer tests of the subsoil and weathered bedrock, to determine the load-bearing capacities of those materials.

As well, during the drilling programme a search was made for evidence of the locations of the percussion holes drilled by R. W. Corkery and Co. in 2000.

2.0 SHALLOW AUGER DRILLING

A total of forty four 98mm diameter auger holes (LA 41 to LA 84) were drilled by Colling Exploration Pty. Ltd. between 24th and 26th July, using their trailer-mounted auger rig. The hole depths ranged from 2 metres to 9 metres, and hole locations are shown on Figures 1 and 2.

The hole depths were planned to go to at least 3 metres below the planned RL of the Infrastructure Area (930 metres ASL on the western side, sloping to 928 metres ASL on the eastern side).

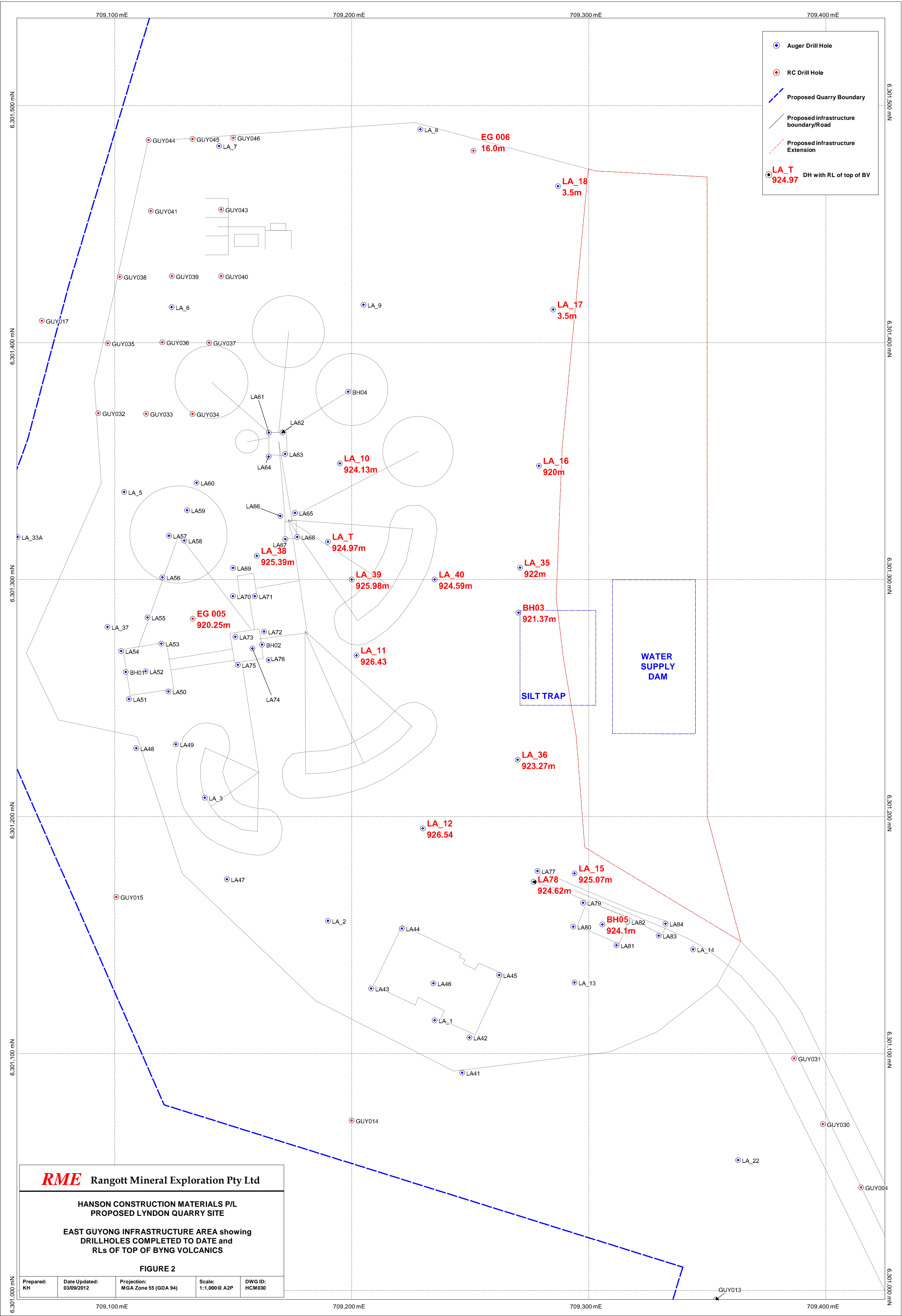
The holes were sampled at 1 metre intervals in to 750 x 450mm plastic bags, and small subsamples were taken from those and placed in a 20-compartment plastic reference chip tray for each hole. The sample returns were logged on site by M. Rangott. The geologists' logs are presented in Appendix I.

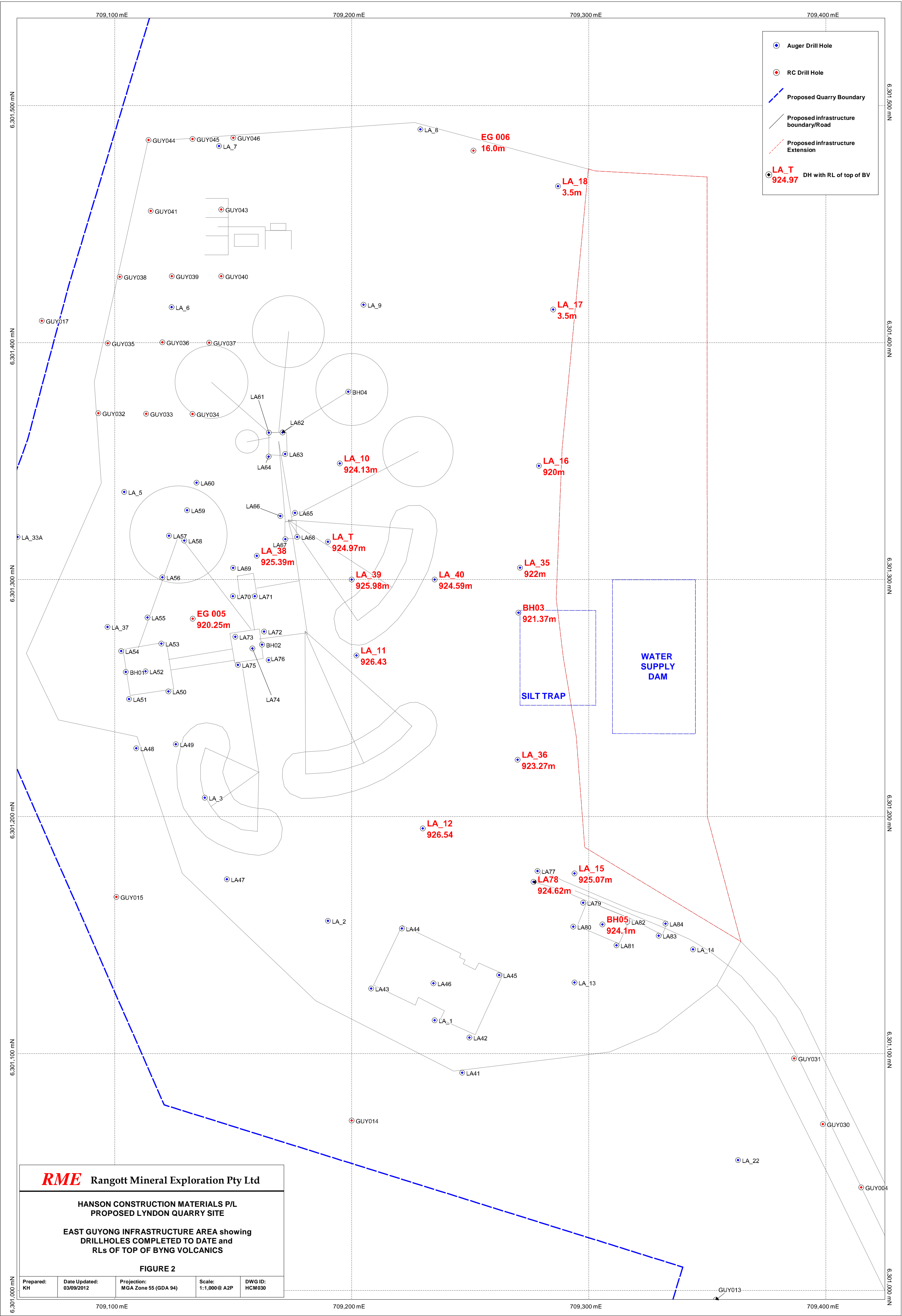
Most holes passed through soil and clay horizons and then entered weathered to extremely weathered Tertiary basalt at depth. Many of the shallow holes (2-4 metres) bottomed in clays (only) with ferruginous nodules and pisolites, believed to represent very degraded basalt.

Only hole LA 78 appears to have entered (very weathered) Byng Volcanics, from 2.8 to 3.0 metres (EOH). A sample of the clay from that interval was sent to Michael Till at AEC Environmental in Adelaide (see Appendix III), who confirmed that sparse particles of amphibole (?tremolite) are present but are too coarse to be classified as asbestos. Samples from holes LA-50 (4.0-5.2m) and LA-74 (2.0-3.0m) were also submitted, but no fibres were found in those and no amphibole minerals were detected by XRD analysis.

Holes LA 56, LA 57 and LA 60 passed through a shallow aquifer, which may create some engineering problems during excavation of the site, and possibly for long term stability of the floor of the IA in the vicinity of those holes.







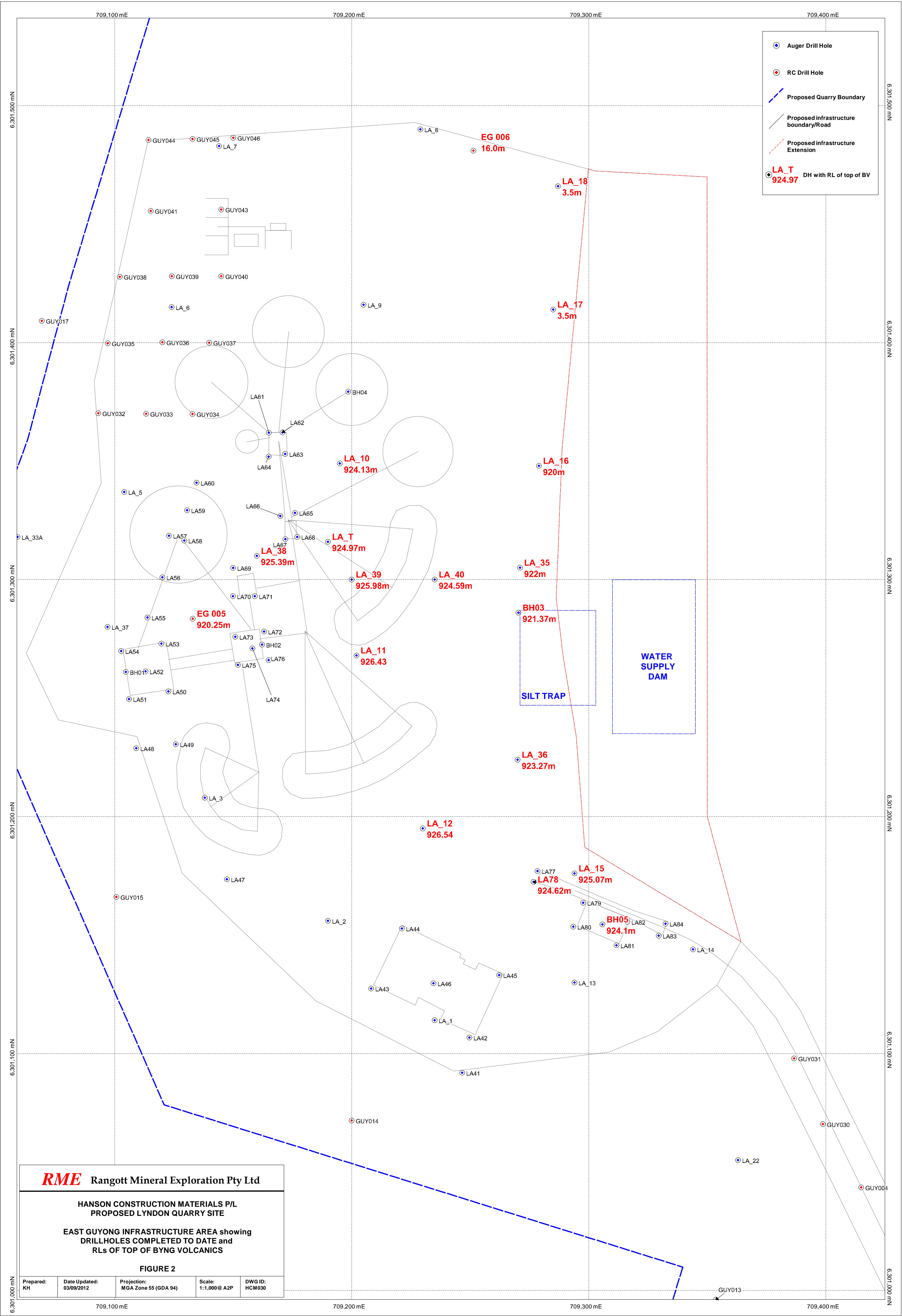
RME Rangott Mineral Exploration Pty Ltd

HANSON CONSTRUCTION MATERIALS P/L
PROPOSED LYNDON QUARRY SITE

EAST GUYONG INFRASTRUCTURE AREA showing
DRILLHOLES COMPLETED TO DATE and
RLs of TOP OF BYNG VOLCANICS

FIGURE 2

Prepared: KH	Date Updated: 03/09/2012	Projection: MGA Zone 55 (GDA 94)	Scale: 1:1,000 @ A2P	DWG ID: HCM030
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RME Rangott Mineral Exploration Pty Ltd

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PROPOSED LYNDON QUARRY SITE

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Prepared: KH	Date Updated: 03/09/2012	Projection: MGA Zone 55 (GDA 94)	Scale: 1:1,000 @ A2P	DWG ID: HCM030
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3.0 RC PERCUSSION DRILLING

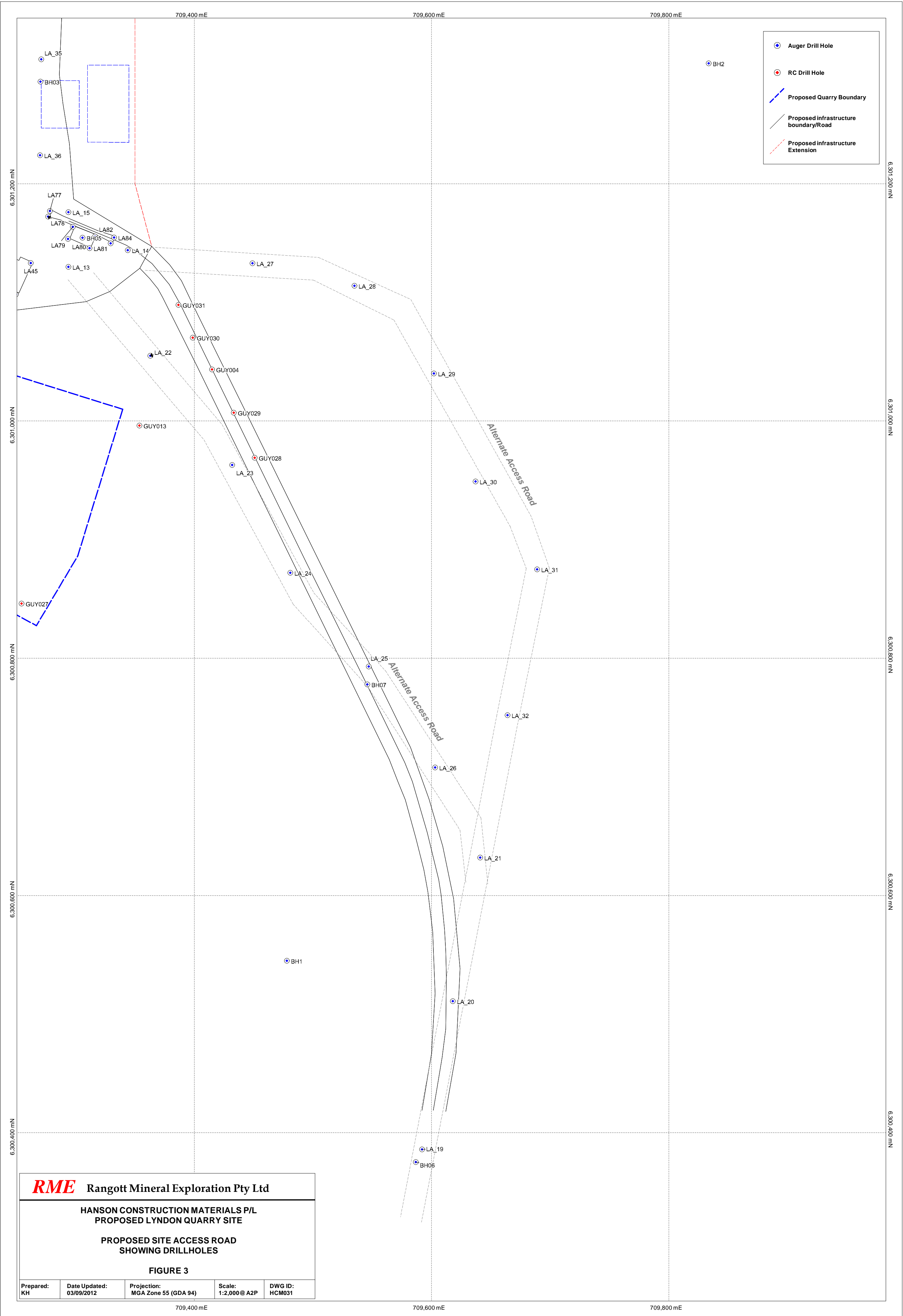
A total of eighteen 115mm diameter vertical reverse circulation percussion holes were drilled by Torpedo Air Drilling Pty. Ltd. of Cobar between 25th July and 1st August, using a small truck-mounted air rig. The total metreage drilled was 212, and hole depths ranged from 6 to 17 metres. The holes were drilled to at least 3 metres deeper than the planned floor of the IA and of the site access road. 14 holes were drilled in the northwestern corner of the planned IA, and 4 along the revised site access road. Two planned holes, GUY-042 and GUY-047, were not drilled.

The hole locations are shown on Figures 1, 2 and 3, and the drill logs are presented in Appendix II. The drilling was supervised, and the samples logged, by RME senior geologist Anne Eastwood and exploration geologist Kate Heynes.

Samples were collected over one metre intervals from top-of-hole to end-of-hole (EOH) in to 750 x 450mm plastic bags (which are now stored in the Lyndon shearing shed), and sieved and washed reference chips were taken from these and collected in a 20-compartment chip tray for each hole (see photographs in Appendix IV).

After drilling was completed, the holes were temporarily capped with no. 4 red plastic blasthole caps.

All of the holes bottomed in either fresh or partly-weathered Tertiary basalt. No Byng Volcanics were intersected to the (3 metres below grade) final depths of the holes.



4.0 GEOTECHNICAL DRILLING

Seven 110mm diameter holes, numbered MG BH 1 to 7, were drilled by Macquarie Geotech of Bathurst using their truck-mounted auger rig. MG BH 1 - 5 were drilled across the planned Infrastructure Area to 10 metres depths, and MG BH 6 and 7 were drilled along the southern part of the proposed access road, to 2 metres depth. Macquarie Geotech carried out penetrometer testing in these holes.

The drilling was monitored by M. Rangott (partly for OH&S purposes) and the sample returns were logged by M. Rangott and K. Heynes. Drillhole locations are shown on Figures 1, 2 and 3, and lithological logs are included in Appendix II. Reference chip samples were collected at 0.5 metre intervals in 20-compartment chip trays (except for hole MG BH 1), and photographs of these are provided in Appendix IV. The sample returns provided valuable geological and asbestos risk information.

MG BH 1 bottomed in very weathered basalt at 10 metres depth. **MG BH 2** passed through soil and weathered alkali basalt to 3.5 metres depth, then strongly weathered Byng Volcanics to 10.0 metres depth. A sample of the returns from 7.5 to 10.0 metres in this hole was sent to AEC Environmental, who confirmed the presence of amphibole which was too coarse to be classed as asbestos.

MG BH 3 passed through soil and intensely weathered alkali basalt, then passed in to intensely weathered Byng Volcanics at 2.0 metres depth which graded to weakly weathered, chloritic Byng Volcanics to 10.0 metres depth. A sample from 7.5-10.0 metres in this hole was sent to AEC Environmental, who detected a small amount of asbestos-sized amphibole.

MG BH 4 passed through soil and weathered alkali basalt to 6.5 metres depth, then strongly weathered Byng Volcanics to 10.0 metres depth. Small amounts of asbestos-sized amphibole were detected by AEC Environmental in a sample collected from 7.5 to 10.0 metres.

MG BH 5 passed through soil and very weathered basalt to 3.5 metres depth, then partly weathered Byng Volcanics to 10.0 metres depth. A sample taken from 7.5 to 10.0 metres depth was sent to AEC Environmental, who noted the presence of small amounts of asbestiform amphibole.

MG BH 6 passed through soil and brown plastic clays with no recognisable rock chips, to EOH at 2.0 metres depth, and **MG BH 7** passed through soil and brown and bright red plastic clays, with no recognisable rock chips, to EOH at 2.0 metres depth.

5.0 CALCULATION of MATERIAL RESOURCES in INFRASTRUCTURE AREA

The reference samples from holes GUY-032 to GUY-046 which were drilled in the northwestern corner of the Infrastructure Area ("IA") were relogged with reference to quarry material by M. Gear from Hanson and A. Eastwood. The samples included the sieved samples in the reference chip trays, and larger, un-sieved samples stored in snap-lock plastic bags.

As a result of the re-logging, the returns from the drillholes were classified (based on probable end uses) as aggregate material (Agg, fresh Tertiary basalt), roadbase (RB, strongly to weakly weathered basalt), subsoil (Subs, red-brown plastic clays and brown loamy clay with basalt fragments and ferruginous nodules) and topsoil (Soil). The logged intersections of these materials in each hole are tabulated in Appendix VI of this report.

From this table and the differential GPS pickups of the hole collars, Anne Eastwood was able to construct a series of grid east-west oriented vertical sections showing the materials intersected and the interpreted correlations of the boundaries between these materials from hole to hole, which are presented on Figure 4.

The resource calculation covered an area approximately 115 metres long by 45-55 metres wide, constrained by the northernmost line of percussion holes (GUY-044 - 046) and the southernmost line (GUY-032 - 034), and projected from the westernmost hole on each traverse, to approximately half the hole spacing (i.e. 10 metres) beyond the easternmost hole on each traverse. An average batter angle of 80° was assumed from the daylight line of the IA.

On each section, the areas of each material domain (separate colours) were calculated. In line with the wire-frame technique of calculating volumes of ore reserves undrilled, intermediate sections were constructed at 6301441N, 6301414N and 6301383N and the material boundaries interpreted on to them from the adjoining sections, to allow a smoother and more reliable calculation of volumes.

For each section a consistent one metre thick zone of topsoil was assumed to be present throughout.

The volumes of each material were calculated from section to section by averaging the areas of each domain on adjoining sections and multiplying the average area by the distances between those sections, then totaling all of the calculated volumes for each material (see Table 1 below).

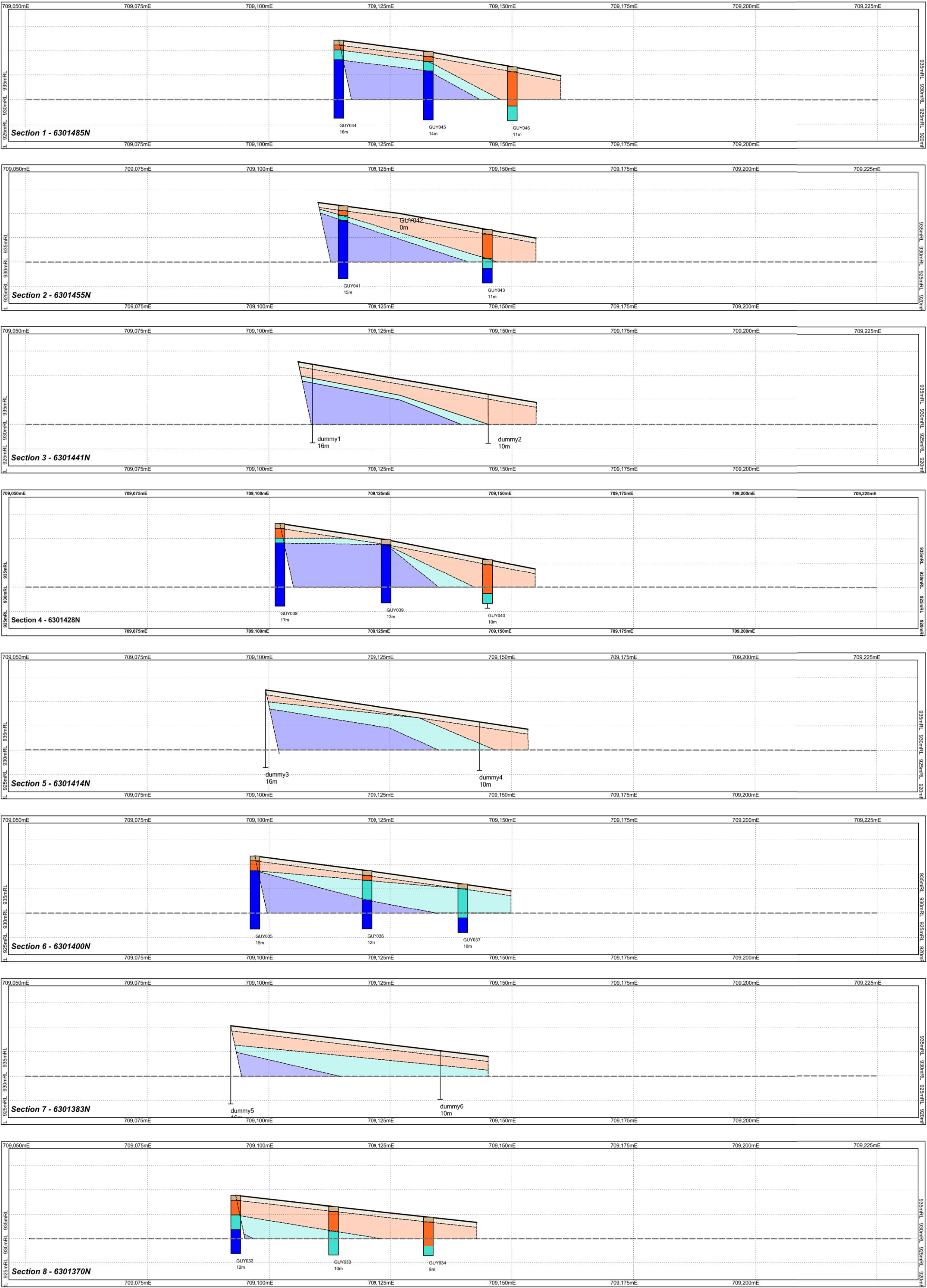
Densities of fresh basalt were measured on lengths of core from the 2000 core holes EG-01 and EG-03. These averaged 2.83. However, as those holes were drilled vertically and there may be minor zones of alteration along the boundaries between vertical columns in the basalt, a lower and more conservative density figure of 2.80 was adopted for the calculations. Density figures of 2.2 for roadbase, 1.6 for subsoil and 1.4 for topsoil were provided by M. Gear (based on densities used at Hanson's Bathurst Quarry) and used in the calculations.

For the 115 x 45-50 metres area, resources of 16,887cu.m. (47,283 tonnes) of aggregate material (10,839cu.m. (23,847 tonnes) of roadbase, 20,598cu.m. (32,955 tonnes) of subsoil, and 5,335cu.m. (7,469 tonnes) of topsoil were calculated, for removal and processing or storage nearby.

It is pointed out the most variable and least predictable domain is that of subsoil, reflecting the rapidly varying depths of weathering of the basalt flow along this east-facing slope.

**TABLE 1 - ROCK and SOIL EXTRACTION VOLUME and TONNEAGE CALCULATIONS for
NORTHWESTERN CORNER OF INFRASTRUCTURE AREA**

	AGGREGATE	ROADBASE	SUBSOIL	SOIL
SECTION 1 6301485N Area (m ²) Volume Section 1 to 2 (m ³)	145.5 4,275.0	88.1 1,978.5	181.2 9,345.0	46.0 1,365.0
SECTION 2 6301455N Area (m ²) Volume Section 2 to 3 (m ³)	139.5 2,032.0	43.8 583.8	441.8 4,194.4	45.0 595.0
SECTION 3 6301441N Area (m ²) Volume Section 3 to 4 (m ³)	150.8 2,436.8	39.6 564.2	157.4 1,692.6	40.0 295.7
SECTION 4 6301428N Area (m ²) Volume Section 4 to 5 (m ³)	224.1 3,208.1	47.2 1,459.5	103.0 1,285.9	53.5 756.0
SECTION 5 6301414N Area (m ²) Volume Section 5 to 6 (m ³)	234.2 2,597.7	160.4 2,380.7	80.7 583.3	54.5 752.5
SECTION 6 6301400N Area (m ²) Volume Section 6 to 7 (m ³)	136.9 1,584.4	178.8 2,590.8	41.4 1,509.6	53.0 901.0
SECTION 7 6301383N Area (m ²) Volume Section 7 to 8 (m ³)	49.5 325.6	126.0 1,281.8	136.2 1,987.0	53.0 669.5
SECTION 8 6301370N Area (m ²)	0.6	71.2	169.5	50.0
TOTAL VOLUME	16,887.1	10,839.3	20,597.8	5,334.7
SG	2.8	2.2	1.6	1.4
TONNAGES	47,283.9	23,846.5	32,955.2	7,468.6



- Soil
- Subsoil
- Road Base
- Aggregate

Section Orientation = 90° Grid; 1:1 Vertical Ratio

**Hanson Construction Materials
Lyndon Quarry
Infrastructure Area - RC Drillhole Cross Sections
Scale 1:500 MGA94 zone 55**

Figure 4

6.0 CALCULATION of MATERIAL RESOURCES on SITE ACCESS ROAD

Four percussion holes (GUY-028 to 031) were drilled along the northwestern part of the revised proposed site access road, to investigate sub-surface materials and quantify materials to be extracted. In this area, downcutting will be required to bring the road down from the broad swampy plain north of the Mitchell Highway, to the entrance to the IA in a valley. A fifth planned hole, GUY-047, was not drilled.

All of the four holes intersected weathered to fresh basalt at relatively shallow depths. The materials classified by M. Gear have been plotted on a long section (Figure 6) along the road course, and the boundaries between them have been projected along the section between and beyond the drillholes.

In order to calculate volumes and materials to be excavated for the downcut, it was necessary to prepare a preliminary design of the roadway along this section line. For this design, RLs for the sites of the five holes, as well as selected reference points, were obtained by differential GPS pickups of those points by D. Brownlee, and used to plot the land surface. The reference points were where the road centre line crosses 6300800mN (RL 937.61) and at the entrance to the IA immediately to the southeast of the planned weighbridge (RL 929.216).

A road centerline RL of 938.5m was assumed from where it crosses 709500mE, and 929.0m at GUY-031, resulting in a grade of approximately 1 in 27 between those points. It was assumed that, for safety purposes, the short section of roadway from GUY-031 to the entrance of the IA, should be level.

It was also assumed that for areas of the cut known to have a base in fresh to moderately weathered basalt, it would only be necessary to excavate to 0.5m below the final centerline of the road surface, whereas in areas with a subsoil base, it will be necessary to excavate 1.0 metre below (and backfill with competent roadbase material in each case).

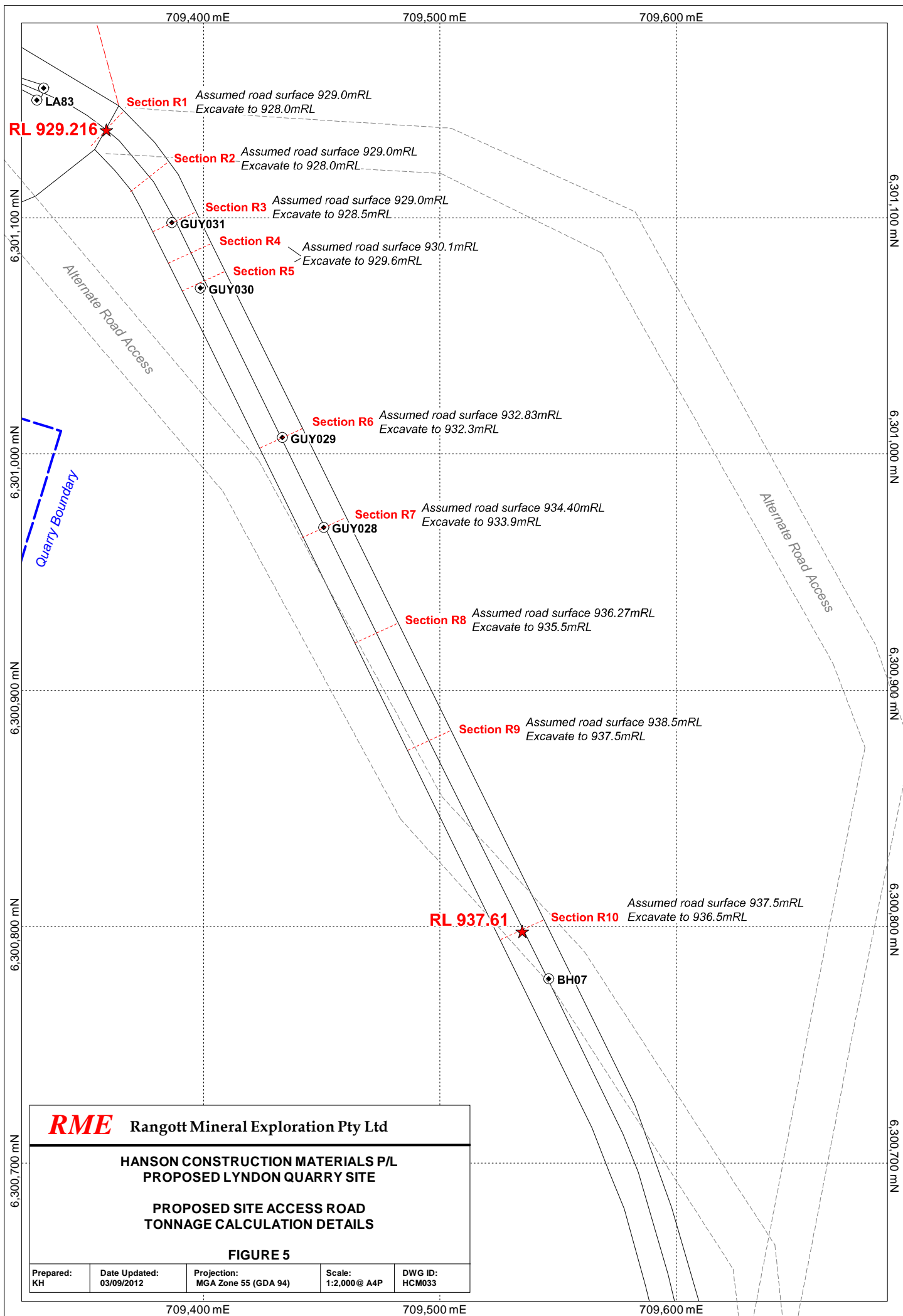
The design parameters are shown on Figure 5. From the long section (Figure 6), a series of cross sections (R1 to R10) located where shown on Figure 5, were hand-drawn, with boundaries between the material domains plotted on to them.

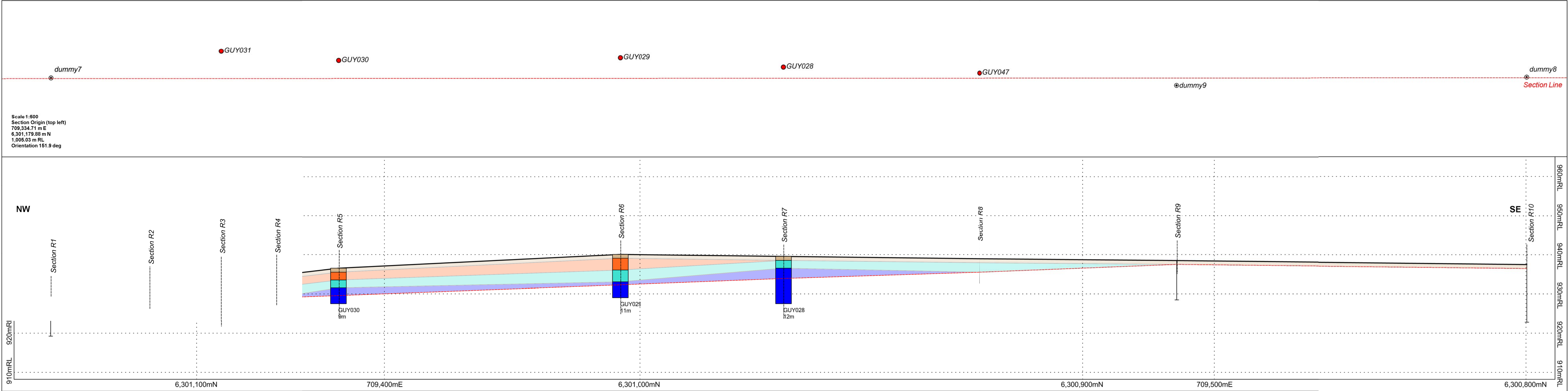
The volumes of the four material domains, and the corresponding tonneages, were then calculated in the same manner, and using the same density figures, as used for the resource calculations for the northwestern corner of the IA.

The calculated figures for the planned roadcut are 5,397cu.m. (15,113 tonnes) of aggregate material, 10,924cu.m. (24,032 tonnes) of roadbase, 9,900cu.m. (15,840 tonnes) of subsoil, and 8,170cu.m. (11,438 tonnes) of topsoil. These figures should be regarded as approximate only, as they are based on only four drillholes, with some major projection distances between and beyond the drillholes.

**TABLE 2 - ROCK and SOIL EXTRACTION VOLUME and TONNEAGE CALCULATIONS for
NORTHWESTERN PART of PROPOSED SITE ACCESS ROAD**

	AGGREGATE	ROADBASE	SUBSOIL	SOIL
SECTION R1 Area (m ²)	-	-	-	25.0
Volume section R1 to R2 (25.5m) - (m ³)	-	-	603.1	624.8
SECTION R2 Area (m ²)	-	-	47.3	24.0
Volume section R2 to R3 (18.0m) - (m ³)	-	276.7	1,235.7	432.0
SECTION R3 Area (m ²)	-	30.75	90.0	24.0
Volume section R3 to R4 (14.0m) - (m ³)	-	614.3	946.4	347.9
SECTION R4 Area (m ²)	-	57.0	45.2	25.7
Volume section R4 to R5 (16.0m) - (m ³)	331.2	827.2	790.4	423.2
SECTION R5 Area (m ²)	41.4	46.4	53.6	27.2
Volume section R5 to R6 (72.0m) - (m ³)	2,070.0	3,978.0	4,705.2	1,987.2
SECTION R6 Area (m ²)	16.1	64.1	77.1	28.0
Volume section R6 to R7 (42.0m) - (m ³)	1,558.2	2,358.3	1,619.1	1,129.8
SECTION R7 Area (m ²)	58.1	48.2	-	25.8
Volume section R7 to R8 (49.5m) - (m ³)	1,438.0	2,470.1	-	1,210.3
SECTION R8 Area (m ²)	-	51.6	-	23.1
Volume section R8 to R9 (50.0m) - (m ³)	-	1,290.0	-	1,090.0
SECTION R9 Area (m ²)	-	-	-	20.5
Volume section R9 to R10 (90.2m) - (m ³)	-	-	-	924.6
SECTION R10 Area (m ²)	-	-	-	-
TOTAL VOLUME	5,397.4	10,923.6	9,899.9	8,169.8
DENSITY	2.8	2.2	1.6	1.4
TONNEAGE	15,112.7	24,031.9	15,839.8	11,437.7





- Soil
- Subsoil
- Road Base
- Aggregate

Hanson Construction Materials
Lyndon Quarry
Long Section Along Proposed Site Access Road,
Showing Interpreted Units for Extraction

Scale 1:500 MGA94 zone 55

RME
Rangott Mineral Exploration Pty Ltd

Section Orientation = 152° Grid; 1:1 Vertical Ratio

FIGURE 6

Section R1

Soil	A = 25.4
------	----------

930 RL

Section R2

Soil	A = 24.0
Subsoil	A = 47.3

930 RL

Section R3

Soil	A = 24.0
Subsoil	A = 90.0
Roadbase	A = 30.75

930 RL

Section R4

Soil	A = 25.7
Subsoil	A = 45.2
RB	A = 57.0

930 RL

Section R5

Soil	A = 27.2
Subsoil	A = 53.6
RB	A = 46.4
AGG	A = 41.4

930 RL

Section R6

Soil	A = 28.0
Subsoil	A = 77.1
RB	A = 64.1
AGG	A = 16.1

930 RL

Section R7

Soil	A = 25.8
RB	A = 48.2
AGG	A = 58.1

930 RL

Section R8

Soil	A = 23.1
RB	A = 51.6

930 RL

Section R9

Soil	A = 20.3
------	----------

930 RL

Section R10

A = 0

930 RL

7.0 RELOCATION of R.W. CORKERY DRILL COLLARS

In late 2011, a photocopy of an airphoto contact print, on which R.W Corkery and Co. had plotted the locations of their holes drilled in 2000, was used to calculate approximate coordinates of their holes, by rescaling the photocopy and obtaining “best fit” locations for the holes on a recent digital orthophoto plot.

During the July, 2012 drilling, each of the calculated coordinates and their surroundings, were located in the field and checked by M. Rangott. Evidence of prior drillholes (subsidence cones, surveyor’s pegs, basalt chips) were found at the site of EG-002, 003 and 012 and revised coordinates taken with a hand-held GPS meter. These are regarded as confirmed sites, and three sites with lower order evidence, EG-007, 010 and 011 were also recorded. No unequivocal evidence of drillholes could be found at or close to the rest of the coordinate points.

The current status of the 2000 drillsites is summarised in Table 3 below.

**TABLE 3 - LYNDON SITE
REVISED POSITIONS OF CORKERY'S PERCUSSION HOLES**

HOLE No.	MGA_E	MGA_N	STATUS	EVIDENCE
EG-001	709047	6301560	assumed	best fit from RWC airphoto
EG-002	708983	6301228	confirmed	depression + chips
EG-003	709187	6300995	confirmed	depression + surveyor's peg
EG-004	709397	6301050	assumed	best fit from RWC airphoto
EG-005	709113	6301283	assumed	best fit from RWC airphoto
EG-006	709240	6301490	assumed	best fit from RWC airphoto
EG-007	709185	6301707	probable	old steel star post
EG-008	709007	6301742	assumed	best fit from RWC airphoto
EG-009	708987	6301403	assumed	best fit from RWC airphoto
EG-010	708839	6301269	probable	mound of fresh Tb chips
EG-011	708828	6301177	probable	surveyor's peg
EG-012	709022	6301075	confirmed	surveyor's peg (025E, 074N) and Tb chips (020E, 075N)

Rangott Mineral Exploration Pty. Ltd.
ABN 36 002 563 825

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REPORT on DRILLING PROGRAMMES

at the

PLANNED LYNDON QUARRY SITE (East Guyong, NSW)

July - August, 2012.

APPENDIX I

Auger Drill Hole Logs

HOLE No: LA-41

SHEET / OF /

LOGGED BY: M. RANGOTT

COLLAR CO-ORDS: MGA 709 248 E, 6 301 09 BN

AZIMUTH: 1

DECLINATION: VERTICAL

Date Drilled: 24/7/12

[illegible]

COLLAR CO-ORDS: 709 251 E, 6 301 108 N

AZIMUTH:

Date Drilled: 24/7/2012.

[illegible]

HOLE No: LA-043

SHEET 1 OF 1

LOGGED BY: M. RANGOTT

COLLAR CO-ORDS: MGA 709209E, 6301 129mN

AZIMUTH: —

DECLINATION: VERTICAL

Date Drilled: 24/7/202

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709 222E, 6 301 154N

AZIMUTH:

DECLINATION: VERTICAL

Date Drilled: 24/7/2012.

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709 264E, 6 301 134N

AZIMUTH:

DECLINATION: VERTICAL

Date Drilled: 24/7/2012.

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709 236, 6 301 131 N

AZIMUTH:

DECLINATION: VERTICAL

Date Drilled: 24/7/2012.

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709 148E, 6 301 174

AZIMUTH:

DECLINATION: VERTICAL

Date Drilled: 24/7/2012.

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709 111E, 6 301 230

AZIMUTH:

DECLINATION: VERTICAL

Date Drilled: 24/7/2012.

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709127, 6 30/232

AZIMUTH: 

DECLINATION: VERTICAL

Date Drilled: 24/7/2012

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709124, 6 301 254

AZIMUTH: 

DECLINATION: VERTICAL

Date Drilled: 24/7/2012.

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709107 6301251

AZIMUTH:

DECLINATION: VERTICAL

Date Drilled: 25/7/2012.

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709 114E, 6 301 263N

AZIMUTH:

Date Drilled: 25/7/2012.

[illegible]

SITE: EAST GUYONG.

SHEET 1 OF 1

COLLAR CO-ORDS: MGA 709 104E, 6 301 272N

PROJECT: LYNDON

AZIMUTH:

HOLE No: LA-54

LOGGED BY: M. RANGOTT

DECLINATION: VERTICAL

Date Drilled: 25/7/2012.

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709 115E, 6 30, 286N

AZIMUTH:

Date Drilled: 25/7/2012.

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709121E 6301303

AZIMUTH:

DECLINATION: VERTICAL

Date Drilled: 25/7/2012.

[illegible]

SITE: EAST GUYONG

SHEET 1 OF 1

COLLAR CO-ORDS: 709 124E, 6 301 321N

PROJECT: LYNDON

AZIMUTH:

HOLE No: LA-57

LOGGED BY: M. RANGOTI

DECLINATION: *VERTICAL*

Date Drilled: 25/7/2012.

[illegible]

COLLAR CO-ORDS: MGA 709130E, 6301319N

AZIMUTH:

Date Drilled: 25/7/2012.

[illegible]

COLLAR CO-ORDS: MGA 709 131E, 6 301 332N

AZIMUTH:

Date Drilled: 25/7/2012.

[illegible]

for **Hanson Construction Materials**

SITE: EAST GUYONG

SHEET 1 OF 1

COLLAR CO-ORDS: MGA 709 135E, 6 301 344N

PROJECT: LYNDON

AZIMUTH: _____

HOLE No: LA-60

LOGGED BY: M. RANGOTT

DECLINATION: VERTICAL

Date Drilled: 25/7/2012.

[illegible]

HOLE No: LA-61

SHEET 1 OF 1

COLLAR CO-ORDS: MGA 709 165E, 6 301.362N

DECLINATION: *VERTICAL*

Date Drilled: 25/7/2012.

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709171E, 6 301 362N

AZIMUTH:

DECLINATION: VERTICAL

Date Drilled: 25/7/2012.

[illegible]

SITE: EAST GUYONG

SHEET / OF /

COLLAR CO-ORDS: MGA 709 172E, 6 30/353N

PROJECT: LYNDON

AZIMUTH:

HOLE No: LA-63

LOGGED BY: M. RANGOTT

DECLINATION: VERTICAL

Date Drilled: 26/7/2012

[illegible]

for **Hanson Construction Materials**

SITE: EAST GUYONG

SHEET / OF /

COLLAR CO-ORDS: MGA 709/65E, 630/352N

PROJECT: LYNDON

AZIMUTH: 

HOLE No: LA-64

LOGGED BY: M. RANGOTT

DECLINATION: *VERTICAL*

Date Drilled: 26/7/2012.

[illegible]

SITE: EAST GUYONG

SHEET 1 OF 1

COLLAR CO-ORDS: MGA 709 176 E, 6 301 328 N

AZIMUTH:

LOGGED BY: M. RANGOTT

DECLINATION: VERTICAL

Date Drilled: 26/7/2012.

[illegible]

for **Hanson Construction Materials**

SITE: EAST GUYONG

SHEET / OF /

COLLAR CO-ORDS: MGA 709 170E, 6 327 N

PROJECT: LYNDON

AZIMUTH:

HOLE No: LA-66

LOGGED BY: M. RANGOTT

DECLINATION: VERTICAL

Date Drilled: 26/7/2012.

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709172E, 6 301317N

AZIMUTH:

Date Drilled: 26/7/2012.

[illegible]

for **Hanson Construction Materials**

SITE: EAST GUYONG

SHEET 1 OF 1

COLLAR CO-ORDS: MGA 709 177E, 6301318N

PROJECT: LYNDON

AZIMUTH:

HOLE No: LA-68.

LOGGED BY: M. RANGOTT

DECLINATION: VERTICAL

Date Drilled: 26/7/2012.

[illegible]

[illegible]

HOLE No: **LA-70**

SHEET 1 OF 1

LOGGED BY: M. RANGOTT

COLLAR CO-ORDS: MGA 709 150E, 6 301 293N

DECLINATION: VERTICAL

Date Drilled: 26/7/2012.

[illegible]

SITE: EAST GUYONG

SHEET 1 OF 1

COLLAR CO-ORDS: MGA 709159E, 6301293N

PROJECT: LYNDON

AZIMUTH:

HOLE No: LA-71

LOGGED BY: M. RANGOTT

DECLINATION: VERTICAL

Date Drilled: 26/7/2012.

[illegible]

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709151E, 6301276N

AZIMUTH:

Date Drilled: 26/7/2012.

[illegible]

for **Hanson Construction Materials**

SITE: EAST GUYONG

SHEET / OF /

COLLAR CO-ORDS: MGA 709158E, 6301271N

PROJECT: LYNDON

AZIMUTH:

HOLE No: LA-74

LOGGED BY: M. RANGOTT

DECLINATION: VERTICAL

Date Drilled: 26/7/2012.

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709152E, 6301264N

AZIMUTH:

DECLINATION: VERTICAL

Date Drilled: 26/7/2012.

[illegible]

[illegible]

SITE: EAST GUYONG

SHEET / OF /

COLLAR CO-ORDS: MGA 709280E, 6 301 178N

PROJECT: LYNDON

AZIMUTH:

HOLE No: **LA-77.**

LOGGED BY: M. RANGOTT

DECLINATION: VERTICAL

Date Drilled: 26/7/2011.

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: MGA 709 278E, 6 301 173N.

AZIMUTH:

DECLINATION: VERTICAL

Date Drilled: 26/7/2011.

[illegible]

for **Hanson Construction Materials**

SITE: EAST GUYONG

SHEET / OF /

COLLAR CO-ORDS: MGA 709 299, 6 301 164N

PROJECT: LYNDON

AZIMUTH:

HOLE No: LA-79

LOGGED BY: M. RANGOTT

DECLINATION: VERTICAL

Date Drilled: 26/7/2012.

[illegible]

for **Hanson Construction Materials**

SITE: EAST GUYONG

SHEET 1 OF 1

COLLAR CO-ORDS: MGA 709295E, 6301154N.

PROJECT: LYNDON

AZIMUTH: 4 -

HOLE No: LA-80.

LOGGED BY: M. RANGOTT

DECLINATION: VERTICAL

Date Drilled: 26/7/2012

[illegible]

SITE: EAST GUYONG

SHEET 1 OF 1

COLLAR CO-ORDS: MGA 709313E, 6301146N

PROJECT: LYNDON

AZIMUTH:

HOLE No: LA-81.

LOGGED BY: M. RANGOTT

DECLINATION: VERTICAL

Date Drilled: 26/7/2012.

[illegible]

for **Hanson Construction Materials**

SITE: EAST GUYONG

SHEET 1 OF 1

COLLAR CO-ORDS: MGA 709318E, 6 301156N

PROJECT: LYNDON

AZIMUTH:

HOLE No: LA-82

LOGGED BY: M. RANGOTT

DECLINATION: *VERTICAL*

Date Drilled: 26/7/2012.

[illegible]

HOLE No: LA-83

SHEET / OF /

DECLINATION: VERTICAL

Date Drilled: 26/7/2012

[illegible]

for **Hanson Construction Materials**

SITE: EAST GUYONG

SHEET / OF /

COLLAR CO-ORDS: MGA 709 333E, 6 30/ 155N

PROJECT: LYNDON

AZIMUTH:

HOLE No: LA-84.

LOGGED BY: M. RANGOTT

DECLINATION: VERTICAL

Date Drilled: 26/7/2012.

[illegible]

Rangott Mineral Exploration Pty. Ltd.
ABN 36 002 563 825

for

HANSON CONSTRUCTION MATERIALS

REPORT on DRILLING PROGRAMMES

at the

PLANNED LYNDON QUARRY SITE (East Guyong, NSW)

July - August, 2012.

APPENDIX II

Percussion Drill Hole Logs

for **Hanson Construction Materials**

SITE:	East Guyong	SHEET	1	OF	1	COLLAR CO-ORDS:	709451mE 6300969mN GDA94	
PROJECT:	Lyndon Quarry					AZIMUTH:	-	Date Drilled: 25/7/12
HOLE No:	GUY028	LOGGED BY:	KH			DECLINATION:	-90	

[illegible]

HOLE No: GUY029

LOGGED BY: KH

DECLINATION: -90

Date Drilled:[illegible]

[illegible]

Rangott Mineral Exploration Pty Ltd

PERCUSSION DRILL LOG for **Hanson Construction Materials**

for **Hanson Construction Materials**

SITE: East Guyong **SHEET** 1 **OF** 1

SHEET 1 OF 1

COLLAR CO-ORDS: 709388mE 6301100mN GDA94

PROJECT: Lyndon Quarry	AZIMUTH: -	Date Drilled: 26/7/12
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AZIMUTH: - **Date Drilled:** 26/7/12

Date Drilled: 26/7/12

HOLE No: GUY031 **LOGGED BY:** KH

LOGGED BY: KH

DECLINATION: -90

[illegible]

for **Hanson Construction Materials****COLLAR CO-ORDS:** 709093mE 6301370mN GDA94

Date Drilled: 26/7/12

DECLINATION: -90

[illegible]

for **Hanson Construction Materials****COLLAR CO-ORDS:** 709113mE 6301370mN GDA94

Date Drilled: 27/7/12

DECLINATION: -90

[illegible]

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Rangott Mineral Exploration Pty Ltd

Rangott Mineral Exploration Pty Ltd

SITE: East Guyong **SHEET** 1 **OF** 1 **COLLAR CO-ORDS:** 709132mE 6301370mN GDA94

SITE: East Guyong **SHEET** 1 **OF** 1 **COLLAR CO-ORDS:** 709132mE 6301370mN GDA94

SITE: East Guyong **SHEET** 1 **OF** 1 **COLLAR CO-ORDS:** 709132mE 6301370mN GDA94

PROJECT: Lyndon Quarry	AZIMUTH: -	Date Drilled: 27/7/12
-------------------------------	-------------------	------------------------------

PROJECT: Lyndon Quarry	AZIMUTH: -	Date Drilled: 27/7/12
-------------------------------	-------------------	------------------------------

PROJECT: Lyndon Quarry	AZIMUTH: -	Date Drilled: 27/7/12
-------------------------------	-------------------	------------------------------

HOLE No:	GUY034	LOGGED BY:	AE	DECLINATION:	-90
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HOLE No:	GUY034	LOGGED BY:	AE	DECLINATION:	-90
-----------------	--------	-------------------	----	---------------------	-----

HOLE No:	GUY034	LOGGED BY:	AE	DECLINATION:	-90
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[illegible]

Rangott Mineral Exploration Pty Ltd				PERCUSSION DRILL LOG				for Hanson Construction Materials			
SITE: East Guyong		SHEET 1 OF 1		COLLAR CO-ORDS: 709097mE 6301400mN GDA94							
PROJECT: Lyndon Quarry				AZIMUTH: -				Date Drilled: 27/7/12			
HOLE No: GUY035		LOGGED BY: AE		DECLINATION: -90							

HOLE No: GUY035

LOGGED BY: AE

DECLINATION: -90

Date Drilled: 27/7/12

[illegible]

for **Hanson Construction Materials****COLLAR CO-ORDS:** 709120mE 6301400mN GDA94

Date Drilled: 27/7/12

DECLINATION: -90

[illegible]

for **Hanson Construction Materials****COLLAR CO-ORDS:** 709140mE 6301400mN GDA94

Date Drilled: 27/7/12

DECLINATION: -90

[illegible]

Rangott Mineral Exploration Pty Ltd			PERCUSSION DRILL LOG		for Hanson Construction Materials	
SITE: East Guyong		SHEET 1 OF 1		COLLAR CO-ORDS: 709102mE 6301428mN GDA94		
PROJECT: Lyndon Quarry			AZIMUTH: -		Date Drilled: 31/7/12	
HOLE No: GUY038		LOGGED BY: AE		DECLINATION: -90		
DEPTH (m)		DESCRIPTION OF RETURNS	K (mag. susc. x 10 ⁻⁵ SI units			
FROM	TO					
0	1	Dark orange-brown clay + 1% small rock chips.	250			
1	2	Dark orange-brown clay + 4% small weathered basalt chips.	200			
2	3	Green-orange-brown clay (60%) + strongly oxidised & weathered basalt chips.	200			
3	4	5% clay + weakly oxidised, fine-grained, green-black Tertiary basalt.	270			
4	5	Fresh, green-black, fine-grained Tertiary basalt	400			
5	6	Fresh, green-black, fine-grained Tertiary basalt	350			
6	7	Fresh, green-black, fine-grained Tertiary basalt	300			
7	8	Fresh, green-black, fine-grained Tertiary basalt	200			
8	9	Fresh, green-black, fine-grained Tertiary basalt	300			
9	10	Fresh, green-black, fine-grained Tertiary basalt	400			
10	11	Fresh, green-black, fine-grained Tertiary basalt	450			
11	12	Fresh, green-black, fine-grained Tertiary basalt	500			
12	13	Fresh, green-black, fine-grained Tertiary basalt	500			
13	14	Fresh, green-black, fine-grained Tertiary basalt	500			
14	15	Fresh, green-black, fine-grained Tertiary basalt	500			
15	16	Fresh, green-black, fine-grained Tertiary basalt	400			
16	17	Fresh, green-black, fine-grained Tertiary basalt	400			

for **Hanson Construction Materials**

SITE:	East Guyong	SHEET	1	OF	1	COLLAR CO-ORDS:	709124mE 6301428mN GDA94	
PROJECT:	Lyndon Quarry					AZIMUTH:	-	Date Drilled: 1/8/12
HOLE No:	GUY039	LOGGED BY:	AE			DECLINATION:	-90	

[illegible]

for **Hanson Construction Materials****COLLAR CO-ORDS:** 709145mE 6301428mN GDA94

Date Drilled: 1/8/12

DECLINATION: -90

[illegible]

Rangott Mineral Exploration Pty Ltd

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Rangott Mineral Exploration Pty Ltd

SITE: East Guyong **SHEET** 1 **OF** 1

SITE: East Guyong **SHEET** 1 **OF** 1

SITE: East Guyong **SHEET** 1 **OF** 1 **COLLAR CO-ORDS:** 709115mE 6301456mN GDA94

PROJECT: Lyndon Quarry	AZIMUTH:	-	Date Drilled: 1/8/12
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PROJECT: Lyndon Quarry	AZIMUTH:	-	Date Drilled: 1/8/12
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PROJECT: Lyndon Quarry	AZIMUTH:	-	Date Drilled: 1/8/12
-------------------------------	-----------------	---	-----------------------------

HOLE No: GUY041 **LOGGED BY:** AE

HOLE No: GUY041 **LOGGED BY:** AE

HOLE No: GUY041	LOGGED BY: AE	DECLINATION: -90
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HOLE No: GUY041	LOGGED BY: AE	DECLINATION: -90
------------------------	----------------------	-------------------------

[illegible]

for **Hanson Construction Materials**

COLLAR CO-ORDS: 709145mE 6301456mN GDA94

Date Drilled: 1/8/12

DECLINATION: -90

[illegible]

Rangott Mineral Exploration Pty Ltd				PERCUSSION DRILL LOG		for Hanson Construction Materials	
SITE:		East Guyong		SHEET 1 OF 1		COLLAR CO-ORDS: 709114mE 6301485mN GDA94	
PROJECT: Lyndon Quarry				AZIMUTH: -		Date Drilled: 1/8/12	
HOLE No:		GUY044		LOGGED BY: AE		DECLINATION: -90	
DEPTH (m)		DESCRIPTION OF RETURNS					K (mag. susc. x 10 ⁻⁵ SI units
FROM	TO						
0	1	Orange-brown clay (60%) + fresh, oxidised & very weathered basalt chips					100
1	2	Orange-brown clay (10%) + moderately oxidised, orange-brown & green-black basalt chips.					100
2	3	Weakly oxidised green-black, fine-grained Tertiary basalt chips.					150
3	4	Fresh, green-black, fine-grained basalt.					200
4	5	Slightly oxidised, green-grey-black, fine-grained basalt					200
5	6	Slightly oxidised, green-grey-black, fine-grained basalt					200
6	7	Fresh, green-grey-black, fine-grained basalt.					200
7	8	Fresh, green-grey-black, fine-grained basalt.					200
8	9	Fresh, green-grey-black, fine-grained basalt.					100
9	10	Fresh, green-grey-black, fine-grained basalt.					100
10	11	Fresh, green-grey-black, fine-grained basalt.					100
11	12	Fresh, green-grey-black, fine-grained basalt. Rare nepheline? phenocrysts to 2mm					400
12	13	Fresh, green-grey-black, fine-grained basalt.					300
13	14	Fresh, green-grey-black, fine-grained basalt. Rare translucent phenocrysts to 2mm					400
14	15	Fresh, green-grey-black, fine-grained basalt.					350
15	16	Fresh, green-grey-black, fine-grained Tertiary basalt with rare nepheline? phenocrysts to 2mm					400

for **Hanson Construction Materials****COLLAR CO-ORDS:** 709133mE 6301486mN GDA94

Date Drilled: 30/7/12

DECLINATION: -90

[illegible]

for **Hanson Construction Materials****COLLAR CO-ORDS:** 709160mE 6301486mN GDA94

Date Drilled: 30/7/12

DECLINATION: -90

[illegible]

Rangott Mineral Exploration Pty. Ltd.
ABN 36 002 563 825

for

HANSON CONSTRUCTION MATERIALS

REPORT on DRILLING PROGRAMMES

at the

**PLANNED LYNDON QUARRY SITE
(East Guyong, NSW)**

July - August, 2012.

APPENDIX III

AEC Environmental - Mineral Identification Report no. 67722

MINERAL IDENTIFICATION REPORT No. 67722

1. INTRODUCTION

Drill chip samples were received from Max Rangott of Rangott Mineral Exploration Pty Ltd with a request for determination the presence of any asbestiform minerals. The Reference was RME/LYND/012

2. PROCEDURE

The samples were air-dried and cursorily examined using a stereomicroscope. A representative portion was pulverized a small portion examined using a polarized light microscope. Particular attention was given to particles that may be classed as asbestos fibres, using the classification of being less than 1 micrometer in width and at least 20 micrometers in length. A separate portion was analysed by X-ray diffraction to identify the minerals present.

3. RESULTS

MG BH2, 7.5-10.0m

This is a sample of green clay and off-white gravel. The amphibole present occurs as blocky and stubby elongated particles which are too coarse to be classed as asbestos-sized

MG BH3, 7.5-10.0m

This is a sample of green clay and off-white gravel. The amphibole present occurs as elongated particles, a small proportion of which are fine enough and long enough to be classed as asbestos-sized

MG BH4, 8.5-10.0m

This is a sample of brown clay. The amphibole present in low abundance occurs as elongated particles, a small proportion of which are fine enough and long enough to be classed as asbestos-sized

MG BH5, 7.5-10.0m

This is a sample of green clay and off-white gravel. The amphibole present occurs as elongated particles, a small proportion of which are fine enough and long enough to be classed as asbestos-sized

LA-50, 4.0-5.2m

This is a sample of brown sand and off-white gravel. No fibres were detected and no amphibole was detected by XRD

LA-74, 2.0-3.0m

This is a sample of brown sand and off-white gravel. No fibres were detected and no amphibole was detected by XRD

LA78, 2.8-3.0m

This is a sample of pale green and brown clay. The amphibole present in low abundance occurs as elongated particles which are too coarse to be classed as asbestos-sized

TESTING OFFICER: Michael Till (Senior Mineralogist)

REPORT DATE: 21 August 2012

Please note that the results contained in this report relate only to the sample(s) submitted for testing.

Rangott Mineral Exploration Pty. Ltd.
ABN 36 002 563 825

for

HANSON CONSTRUCTION MATERIALS

REPORT on DRILLING PROGRAMMES

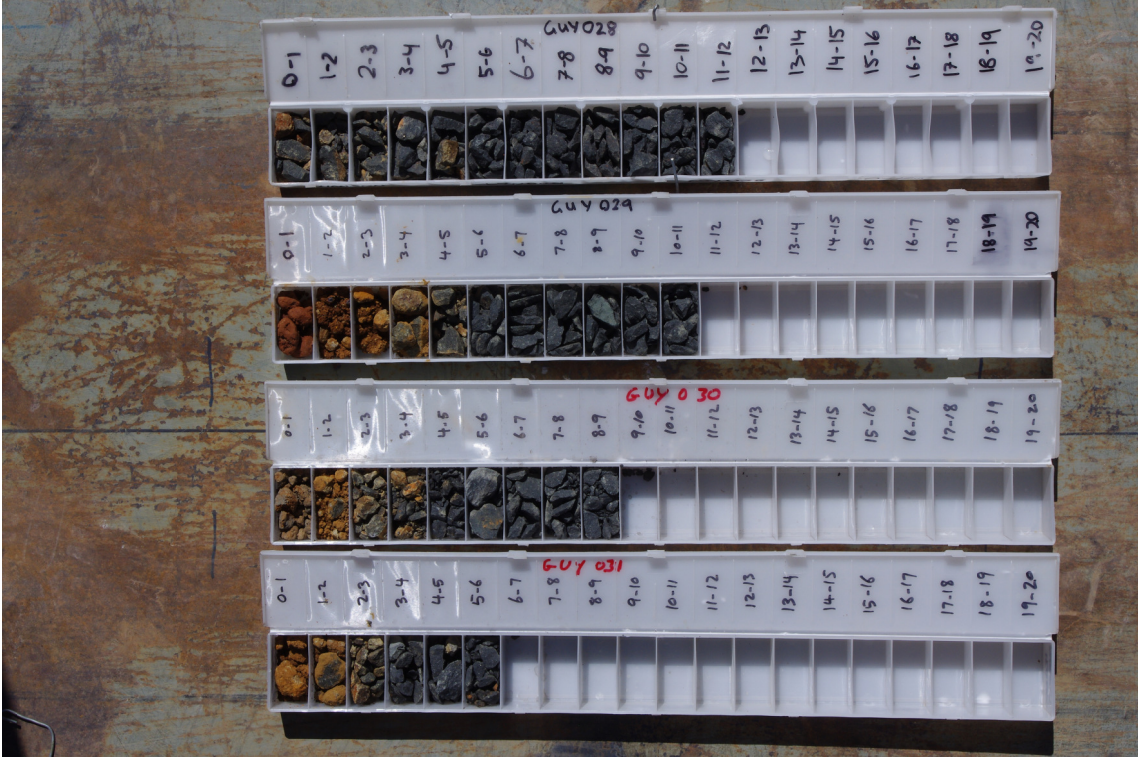
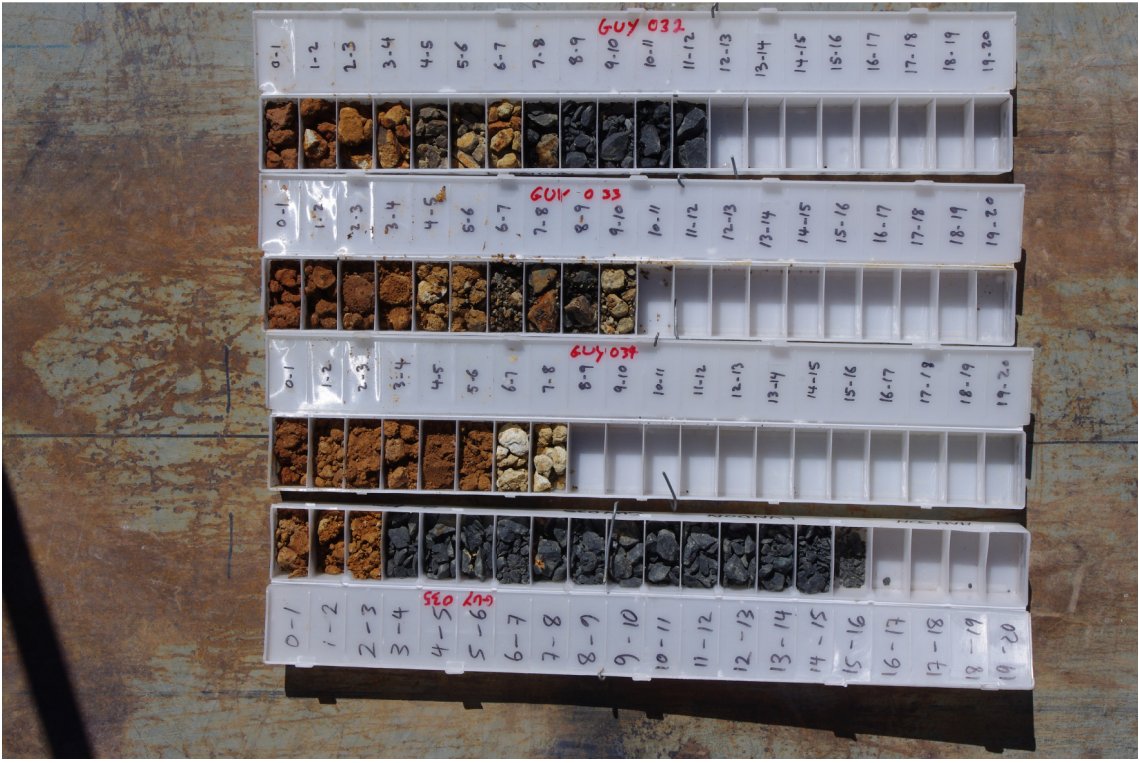
at the

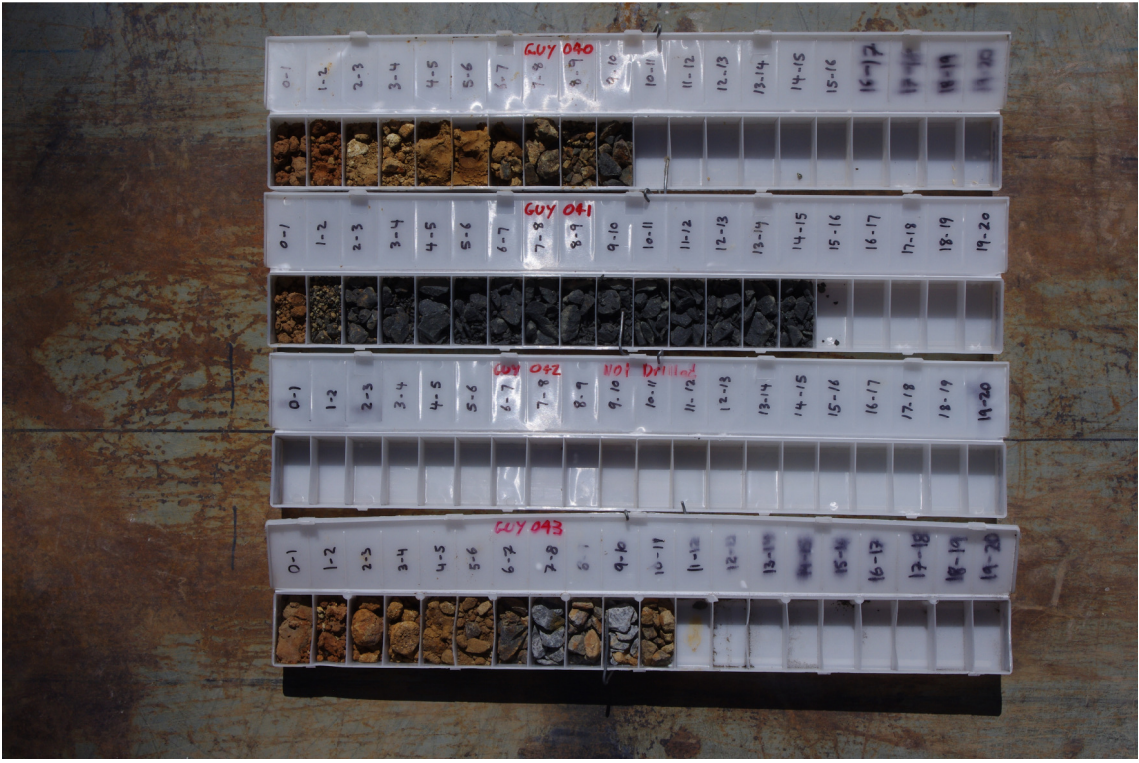
PLANNED LYNDON QUARRY SITE (East Guyong, NSW)

July - August, 2012.

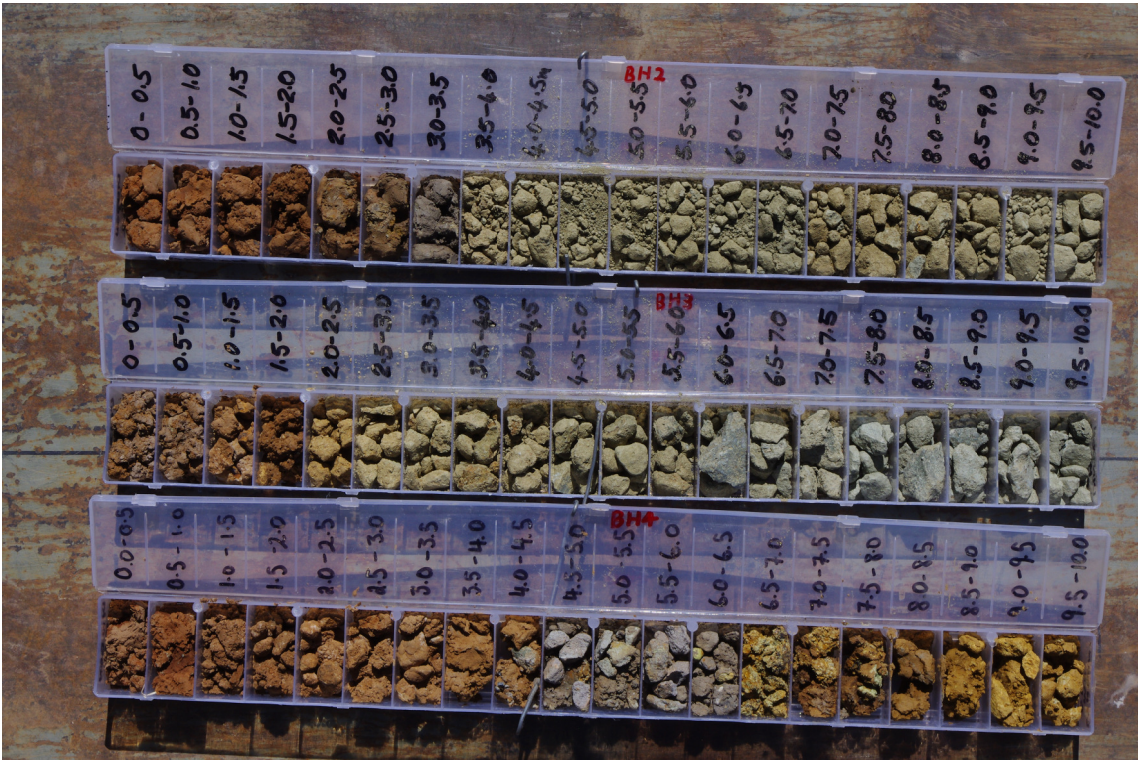
APPENDIX IV

Photographs of Reference Chip Samples for Percussion and Geotechnical Holes









Rangott Mineral Exploration Pty. Ltd.
ABN 36 002 563 825

for

HANSON CONSTRUCTION MATERIALS

REPORT on DRILLING PROGRAMMES

at the

PLANNED LYNDON QUARRY SITE (East Guyong, NSW)

July - August, 2012.

APPENDIX V

Drillholes Survey Data

Hole Type	Hole ID	East GDA	North GDA	Collar RL	Bottom of Hole RL	Total Depth (m)
Percussion	GUY028	709450.89	6300969.03	939.53	927.53	12.00
Percussion	GUY029	709433.28	6301007.03	940.06	929.06	11.00
Percussion	GUY030	709398.73	6301070.24	936.53	927.53	9.00
Percussion	GUY031	709386.67	6301097.91	932.99	926.99	6.00
Percussion	GUY032	709093.11	6301369.89	938.86	926.86	12.00
Percussion	GUY033	709113.21	6301370.01	936.58	926.58	10.00
Percussion	GUY034	709132.84	6301369.91	934.42	926.42	8.00
Percussion	GUY035	709097.10	6301399.75	941.72	926.72	15.00
Percussion	GUY036	709120.09	6301400.14	938.75	926.75	12.00
Percussion	GUY037	709139.91	6301399.94	936.00	926.00	10.00
Percussion	GUY038	709102.18	6301427.82	943.09	926.09	17.00
Percussion	GUY039	709124.14	6301428.01	939.77	926.77	13.00
Percussion	GUY040	709144.98	6301428.00	935.67	925.67	10.00
Percussion	GUY041	709115.16	6301455.62	941.55	926.55	15.00
Percussion	GUY042	709126.98	6301456.14	940.01		not drilled
Percussion	GUY043	709144.94	6301456.19	936.69	925.69	11.00
Percussion	GUY044	709114.31	6301485.48	942.18	926.18	16.00
Percussion	GUY045	709132.83	6301485.96	939.83	925.83	14.00
Percussion	GUY046	709150.06	6301486.48	936.67	925.67	11.00
Percussion	GUY047	709473.17	6300924.06	938.935		not drilled
Auger	LA41	709246.59	6301091.95	935.61	926.61	9.00
Auger	LA42	709249.61	6301106.76	933.87	925.87	8.00
Auger	LA43	709208.19	6301127.40	933.24	927.24	6.00
Auger	LA44	709221.20	6301152.75	930.31	925.31	5.00
Auger	LA45	709262.19	6301133.11	930.50	925.50	5.00
Auger	LA46	709234.47	6301129.60	931.75	925.75	6.00
Auger	LA47	709147.30	6301173.55	934.11	926.11	8.00
Auger	LA48	709109.14	6301228.84	934.85	926.85	8.00
Auger	LA49	709125.83	6301230.48	933.16	926.16	7.00
Auger	LA50	709122.68	6301252.85	932.38	927.18	5.20
Auger	LA51	709106.04	6301249.55	934.01	926.01	8.00
Auger	LA52	709113.00	6301261.27	933.03	927.03	6.00
Auger	LA53	709119.67	6301273.00	932.03	928.93	3.10
Auger	LA54	709102.76	6301269.82	933.80	926.80	7.00
Auger	LA55	709113.86	6301284.00	932.25	926.25	6.00
Auger	LA56	709120.09	6301300.95	931.41	926.41	5.00
Auger	LA57	709122.89	6301318.54	931.48	926.48	5.00
Auger	LA58	709129.36	6301316.51	930.95	925.95	5.00
Auger	LA59	709130.57	6301329.23	931.42	926.42	5.00
Auger	LA60	709134.54	6301340.91	931.69	925.69	6.00
Auger	LA61	709165.05	6301362.00	930.61	925.61	5.00
Auger	LA62	709170.82	6301362.10	930.11	926.11	4.00
Auger	LA63	709171.93	6301352.98	929.60	925.60	4.00
Auger	LA64	709164.93	6301351.91	930.03	926.03	4.00
Auger	LA65	709176.04	6301328.14	928.43	925.43	3.00
Auger	LA66	709169.87	6301326.83	928.62	925.62	3.00

Hole Type	Hole ID	East GDA	North GDA	Collar RL	Bottom of Hole RL	Total Depth (m)
Auger	LA67	709171.99	6301317.03	928.27	925.27	3.00
Auger	LA68	709177.04	6301318.03	928.08	926.08	2.00
Auger	LA69	709149.95	6301304.97	929.33	926.33	3.00
Auger	LA70	709149.88	6301292.98	929.49	925.49	4.00
Auger	LA71	709159.10	6301293.00	929.09	926.09	3.00
Auger	LA72	709163.06	6301278.05	929.02	926.02	3.00
Auger	LA73	709150.91	6301275.87	929.62	925.62	4.00
Auger	LA74	709158.06	6301270.95	929.34	926.34	3.00
Auger	LA75	709151.96	6301263.98	929.95	925.95	4.00
Auger	LA76	709164.94	6301266.03	929.14	926.14	3.00
Auger	LA77	709278.40	6301177.03	927.05	925.05	2.00
Auger	LA78	709276.72	6301172.41	927.42	924.42	3.00
Auger	LA79	709297.64	6301163.64	927.44	925.44	2.00
Auger	LA80	709293.52	6301153.51	928.10	925.10	3.00
Auger	LA81	709311.68	6301145.69	928.39	925.39	3.00
Auger	LA82	709316.27	6301155.57	927.50	925.50	2.00
Auger	LA83	709329.55	6301149.74	927.77	925.77	2.00
Auger	LA84	709332.35	6301154.78	927.48	925.48	2.00
Auger	BH01	709104.71	6301261.01	933.752	923.75	10.00
Auger	BH02	709162.19	6301272.53	928.901	918.90	10.00
Auger	BH03	709270.33	6301286.05	923.869	913.87	10.00
Auger	BH04	709198.55	6301379.25	929.193	919.19	10.00
Auger	BH05	709305.73	6301154.47	927.648	917.65	10.00
Auger	BH06	709586.80	6300375.26	935.831	933.83	2.00
Auger	BH07	709545.93	6300778.02	937.557	935.56	2.00

Rangott Mineral Exploration Pty. Ltd.
ABN 36 002 563 825

for

HANSON CONSTRUCTION MATERIALS

REPORT on DRILLING PROGRAMMES

at the

PLANNED LYNDON QUARRY SITE (East Guyong, NSW)

July - August, 2012.

APPENDIX VI

Percussion Hole Materials Classification (M. Gear)

HOLE ID	FROM (m)	TO (m)	CLASSIFICATION
GUY028	0	1	SOIL
GUY028	1	3	RB
GUY028	3	12	AGG
GUY029	0	1	SOIL
GUY029	1	4	SUBS
GUY029	4	7	RB
GUY029	7	11	AGG
GUY030	0	1	SOIL
GUY030	1	3	SUBS
GUY030	3	5	RB
GUY030	5	9	AGG
GUY031	0	1	SOIL
GUY031	1	3	SUBS
GUY031	3	6	RB
GUY032	0	1	SOIL
GUY032	1	4	SUBS
GUY032	4	7	RB
GUY032	7	12	AGG
GUY033	0	1	SOIL
GUY033	1	5	SUBS
GUY033	5	10	RB
GUY034	0	1	SOIL
GUY034	1	6	SUBS
GUY034	6	8	RB
GUY035	0	1	SOIL
GUY035	1	3	SUBS
GUY035	3	15	AGG
GUY036	0	1	SOIL
GUY036	1	2	SUBS
GUY036	2	6	RB
GUY036	6	12	AGG

HOLE ID	FROM (m)	TO (m)	CLASSIFICATION
GUY037	0	1	SOIL
GUY037	1	7	RB
GUY037	7	10	AGG
GUY038	0	1	SOIL
GUY038	1	3	SUBS
GUY038	3	4	RB
GUY038	4	17	AGG
GUY039	0	1	SOIL
GUY039	1	13	AGG
GUY040	0	1	SOIL
GUY040	1	7	SUBS
GUY040	7	9	RB
GUY041	0	1	SOIL
GUY041	1	2	SUBS
GUY041	2	3	RB
GUY041	3	15	AGG
GUY043	0	1	SOIL
GUY043	1	6	SUBS
GUY043	6	8	RB
GUY043	8	11	AGG
GUY044	0	1	SOIL
GUY044	1	2	SUBS
GUY044	2	4	RB
GUY044	4	16	AGG
GUY045	0	1	SOIL
GUY045	1	2	SUBS
GUY045	2	4	RB
GUY045	4	14	AGG
GUY046	0	1	SOIL
GUY046	1	8	SUBS
GUY046	8	11	RB