



Civil Engineers &  
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Contractors

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EL 4864

PROPOSED

PROGRAM OF WORK

PHASE 1

AIRTRAC DRILLING

CR89 / 520

PHASE 1AIRTRAC DRILLING

Airtrac drilling will be carried out at areas AA to AF, BA and CA (refer drawing 4864/2 Target Areas). Further target areas will be advised after further structural studies by Dr. C. Wilson

**PLANT:**

Model D3100 AirTrac  
900cfm Ingersoll Rand Air Compressor  
Toyota Landcruiser Ute  
Toyota Landcruiser Wagon  
Hydracyclone  
Fuel Trailer

**LABOUR:**

Foreman  
Driller  
Engineer and Geologist as required

3

## PROPOSED PROGRAM OF WORK

### TARGET AREAS:

Three groups of target areas have been selected and designated by areas A,B and C.

In area A, 6 areas within have been targeted for drilling, designated by AA to AF.

In area B, 1 area within has been targeted for drilling, designated by BA

In area C, 1 area within has been targeted for drilling, designated by CA

Refer to drawing 4864/2

As the drilling program proceeds, further target areas will be proposed so that a continuous program of work will occur.

Target areas that occur within areas of Reservation from Occupation will continue to be put forward but it is understood at this stage that no work will occur in these areas.

DRILL METHOD:

The use of the Air Trac and towed compressor has been proposed due to its minimal disturbance to ground surface when travelling and whilst drilling. Drill pads are not necessary in most cases as the machine can set up on most terrain situations. It is anticipated target areas to date will require minimal site preparation

DRILL HOLES:

Each target has proposed drill hole locations pegged. Drill hole locations have been indicated on the detailed drawings accompanying this report. Drill holes will be either vertical or inclined depending on dip of ore body. Average depth of holes will be 15 to 20 metres. Order of drilling in each area has been indicated numerically as shown in the accompanying drawings. At completion of drilling, holes will be capped and areas generally cleaned up.

SAMPLING:

Samples will be collected in the hydracyclone for every metre of drilling. These will be collected in plastic bags, split into smaller proportions and removed from site for analysis.

ACCESS:

Access routes to work areas will be required, extending from existing tracks or roads. Because of the small plant fleet intended to be used, minimal disturbance is envisaged to these areas. Access routes have been selected such that no bulldozing will be required, however, some trees and shrubs may have to be removed. Access from drill hole to drill hole will be as direct as possible.

WORK AREAS:

A work area of 10 to 15m clear of each drill hole is required, depending on terrain of each target area. These areas will be continuous from one drill hole to the next as shown in detail in accompanying drawings.

TOPSOIL:

It is not intended that topsoil be removed from any work areas, access routes or drill holes.

3

VEGETATION:

Due to our work method minimal disturbance will occur to trees and scrub. Access routes will be located to avoid trees and heavy scrub areas. Where heavy scrub or trees do need to be removed to allow access, it is proposed that each tree or scrub will be cut off at ground level so that growth may occur after completion of drilling.

HISTORICAL SITES:

It is not intended that any historical sites be moved or relocated. All areas and structures will need to be recognised and flagged by the Conservation Commission.

EXISTING  
EXCAVATIONS:

It is not intended that any existing excavations be interfered with.

DETAILED DRAWINGS:

We have prepared drawings 4864 AA to AF, BA and CA which show location of areas, access routes proposed, and drill hole location.

SIGNING:

As some of the target areas are in areas of interest to the public, it is proposed that work areas will be fenced off and signs installed advising of drilling in progress. It is anticipated that drilling could stop so that the public may continue to view areas of interest. Liaison with Conservation Commission regarding tourist groups will be undertaken so that minimal interruption may occur.

ACCOMMODATION:

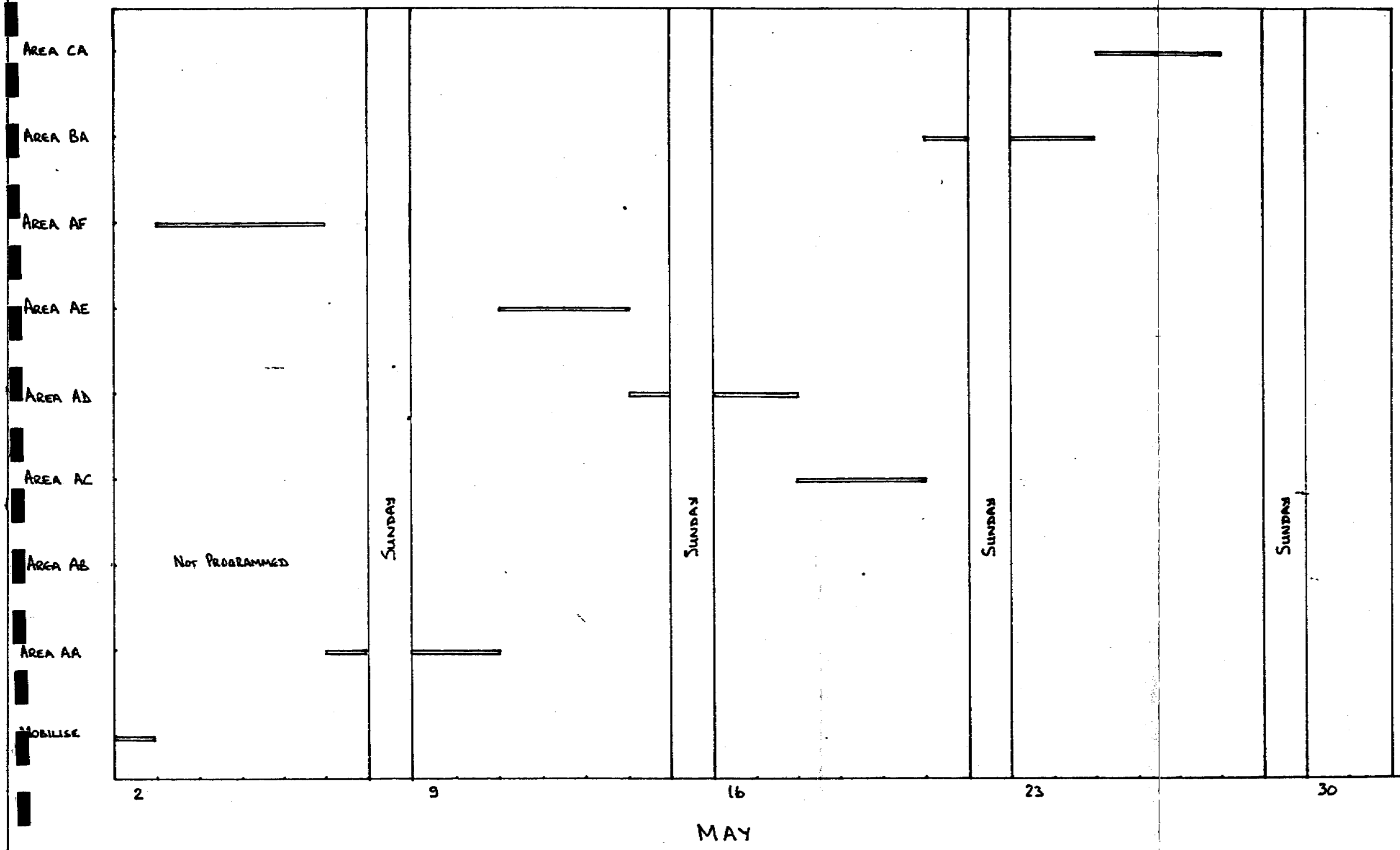
Our workforce will be accommodated within Mr. Gary Bohning's camping area adjacent to the Arltunga store.

HOURS OF OPERATION:

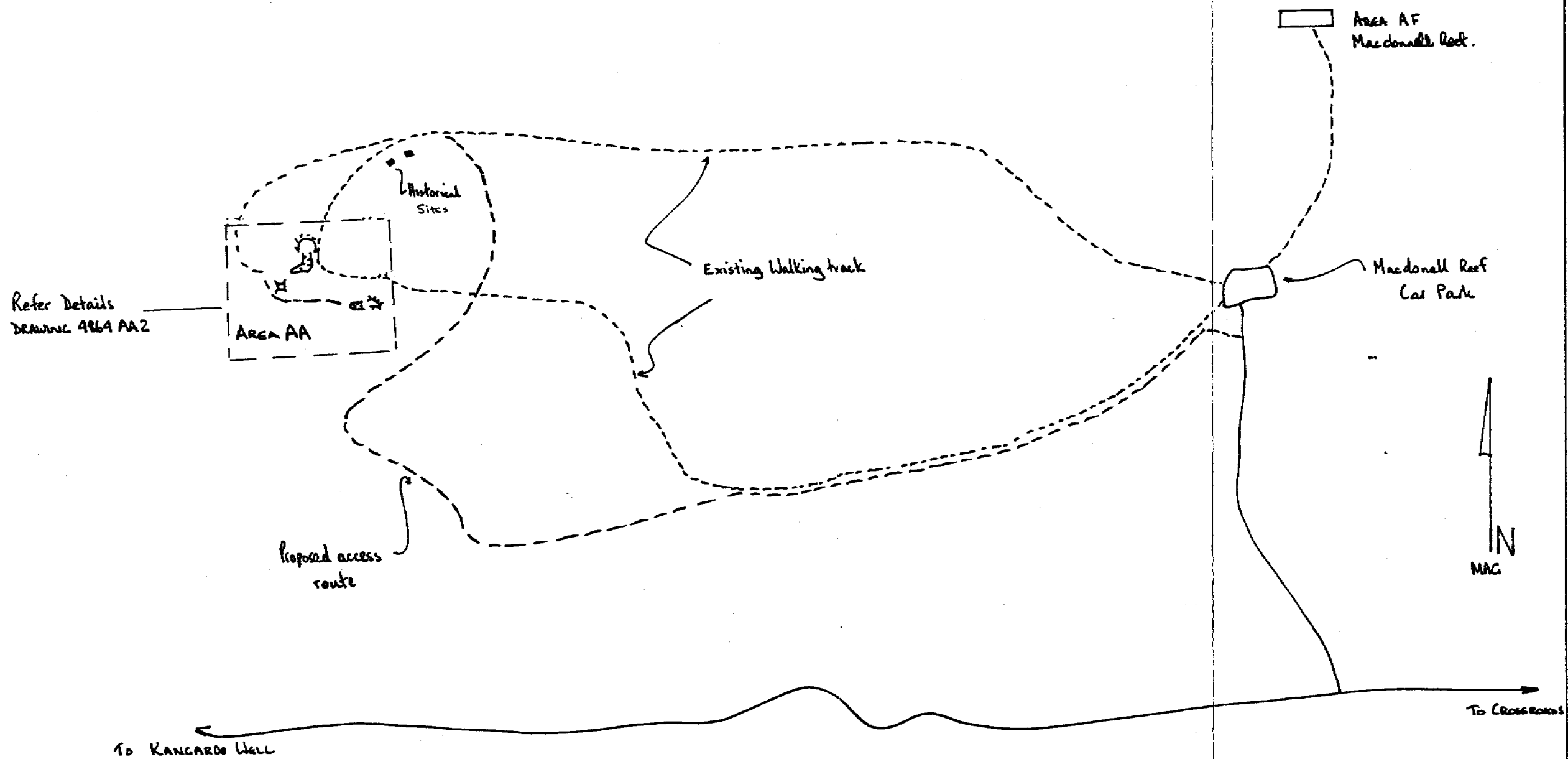
It is proposed that the hours of operation will be between 6.30a.m. and 6.00p.m. Monday to Saturday. Should we find it necessary, work may be required to continue on Sunday also.

PROGRAM TIMING:

As this program is dependent on completion of our program now underway in the Kurinelli region, we cannot give an exact day of commencement. However, an estimated date can be given along with our estimation of time for the drilling program. This has been drawn up in a bar graph form accompanying this report.



MACMAHON CONSTRUCTION P/LTD	
EL 4864	
PROPOSED DRILLING PROGRAM	
DATE	
MARCH 1988	



MACMAHON CONSTRUCTION Pty Ltd		
EL 4864		
DATE	SCALE	DRAWING
MARCH 1988	NOT TO SCALE	4864 AA1



Proposed access route

2

11m

10m

3

15m

42m

4

10m

5

12m

9m

6



SCALE

MAG

N

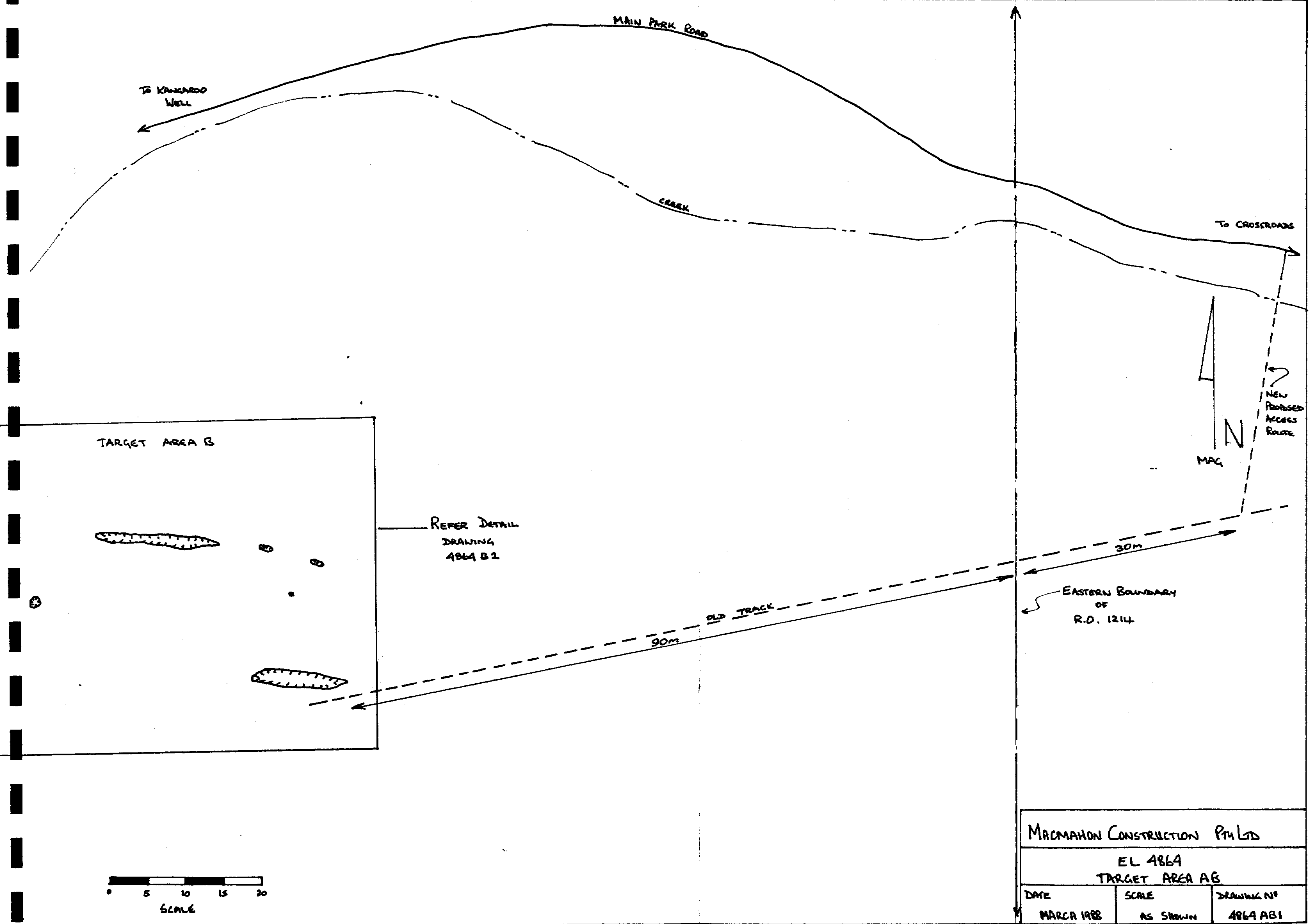
MACMAHON CONSTRUCTION Pty Ltd

EL 4864  
TARGET AREA AA

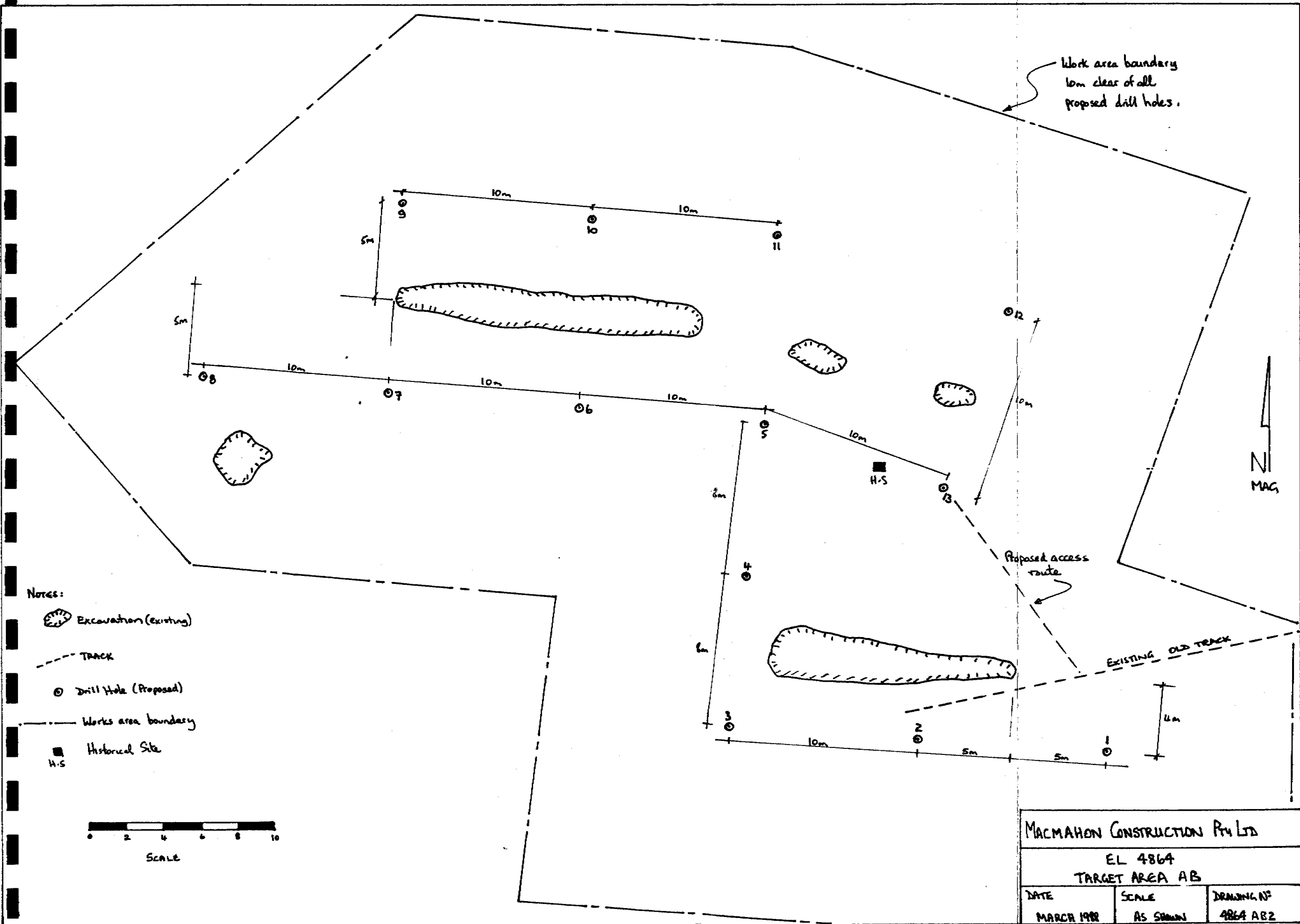
DATE  
MARCH 1988

SCALE  
AS SHOWN

DRAWING  
4864 AA 2



MACMAHON CONSTRUCTION PTY LTD		
EL 4864		
TARGET AREA AB		
DATE	SCALE	DRAWING NO
MARCH 1988	AS SHOWN	4864 AB1



MACMAHON CONSTRUCTION Pty LTD		
EL 4864		
TARGET AREA AB		
DATE	SCALE	DRAWING NO
MARCH 1998	AS SHOWN	4864 AB2

REFER DETAIL  
DRAWING  
4864 C2



Proposed  
Access  
Route

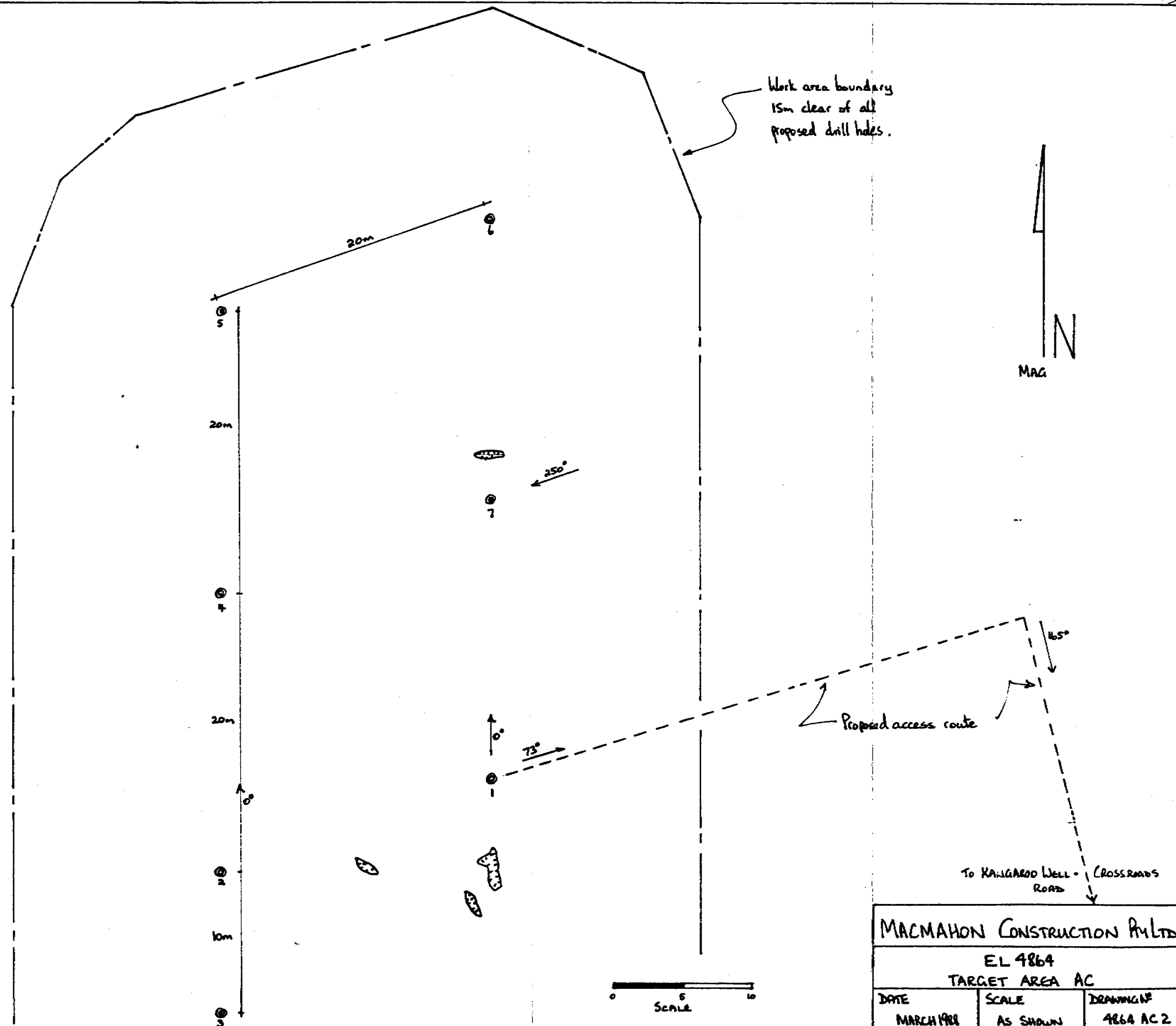
MAIN PARK ROAD

TO KANGAROO  
WELL

TO  
CARRIBONG

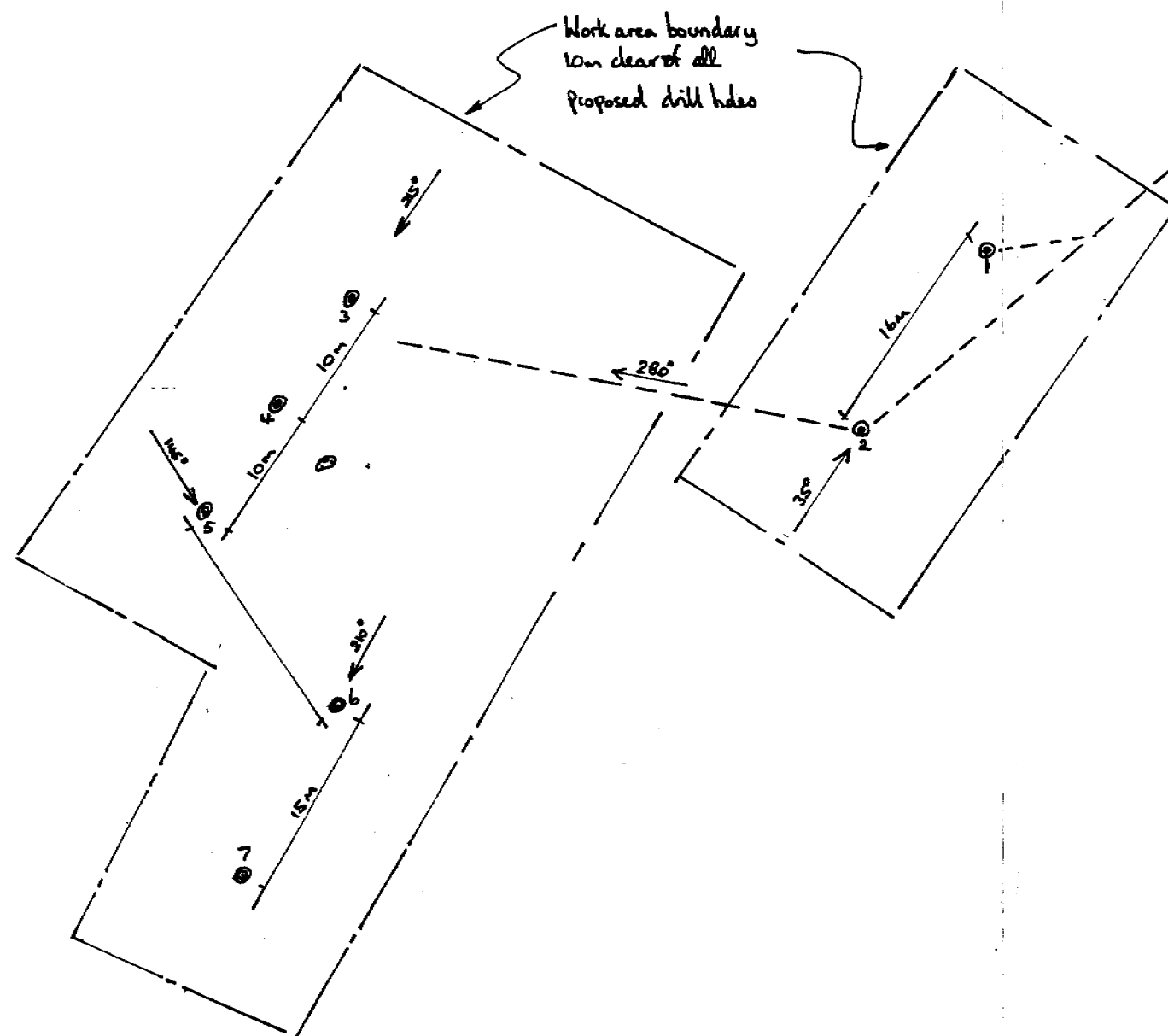


MACMAHON CONSTRUCTION Pty LTD		
EL 4864 TARGET AREA AC		
DATE	SCALE	DRAWING NO
MARCH 1988	AS SHOWN	4864 AC1

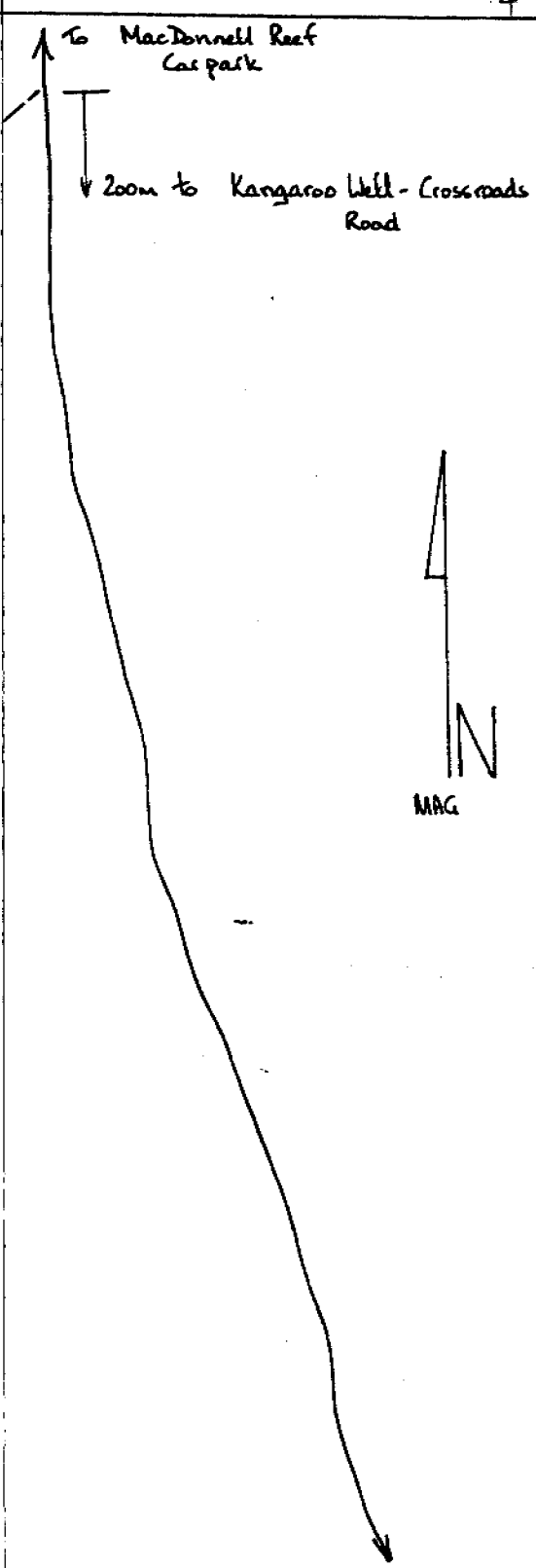


- NOTES:
- ⊙ Proposed drill hole
  - Existing excavation

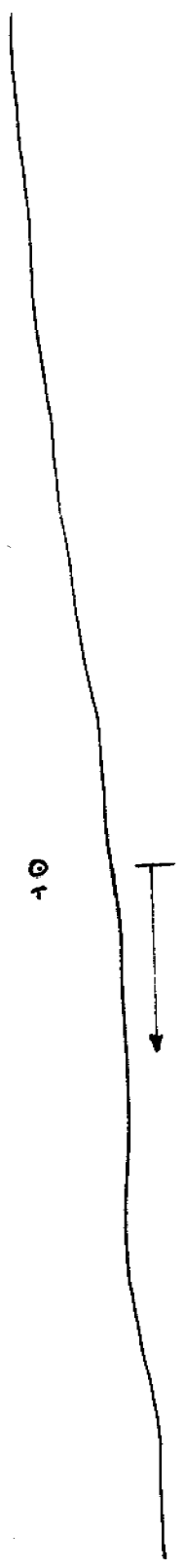
MACMAHON CONSTRUCTION Pty LTD		
EL 4864		
TARGET AREA AC		
DATE	SCALE	DRAWING#
MARCH 1988	AS SHOWN	4864 AC 2



SCALE



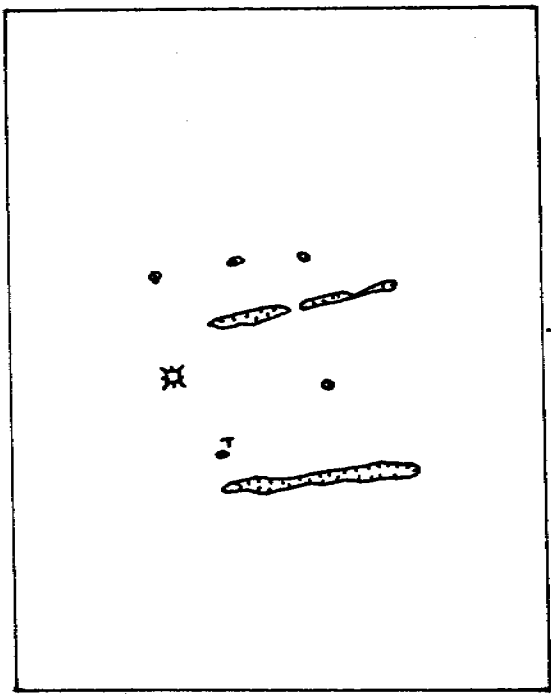
MACMAHON CONSTRUCTION Pty Ltd		
EL 4864 TARGET AREA AD		
DATE MARCH 1981	SCALE AS SHOWN	DRAWING NO 4864 AD 1



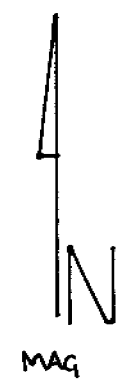
10



300m to Kangaroo Well - Crossroads Road

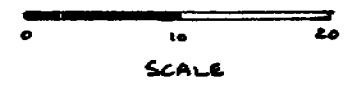


Refer Drawing 4864 AE2

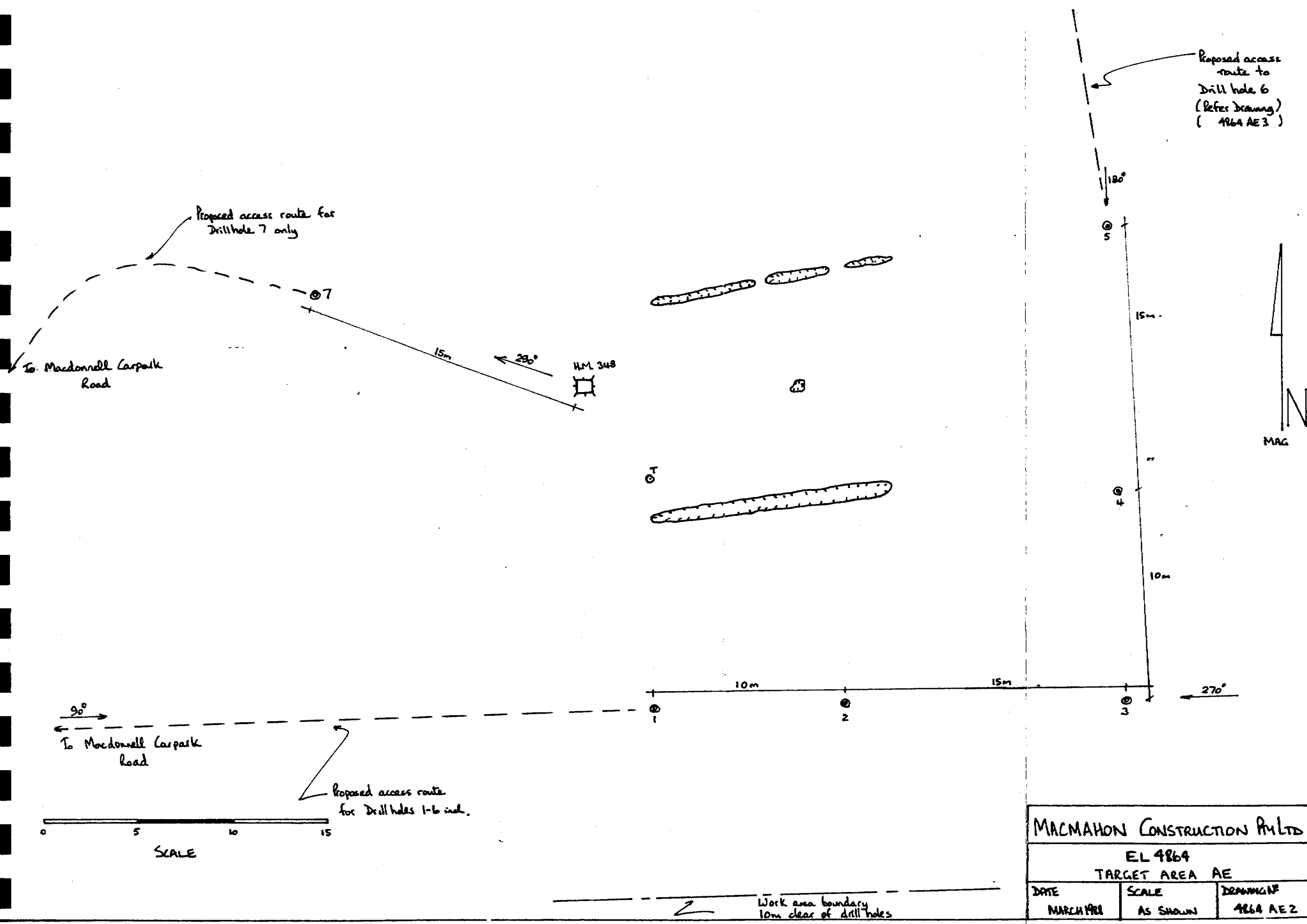


NOTES

- Tree
- Shaft
- Existing excavations

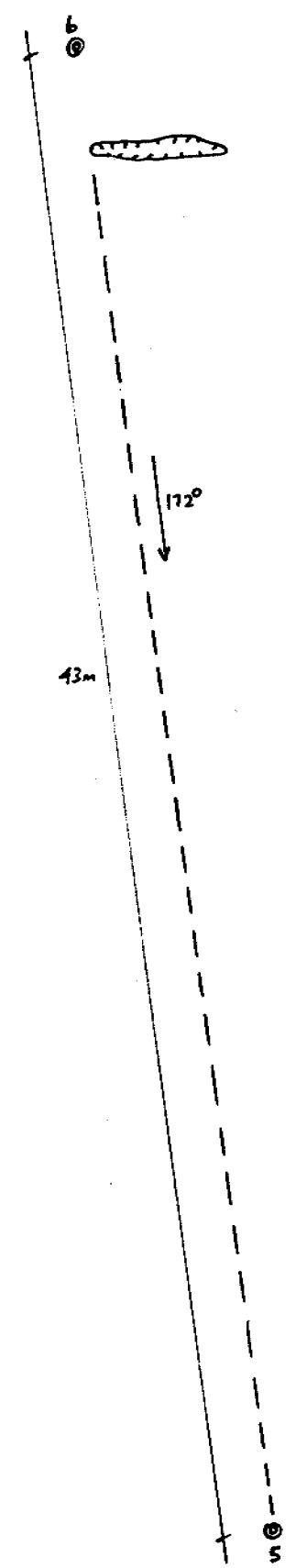
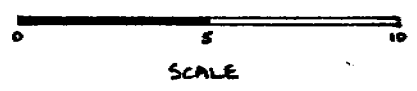


MACMAHON CONSTRUCTION Pty Ltd		
EL 4864		
TARGET AREA AE		
DATE	SCALE	DRAWING#
MARCH 1988	AS SHOWN	4864 AE1

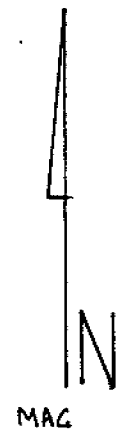


MACMAHON CONSTRUCTION PT LTD		
EL 4864		
TARGET AREA AE		
DATE	SCALE	DRAWING
MARCH 1981	AS SHOWN	4864 AE 2

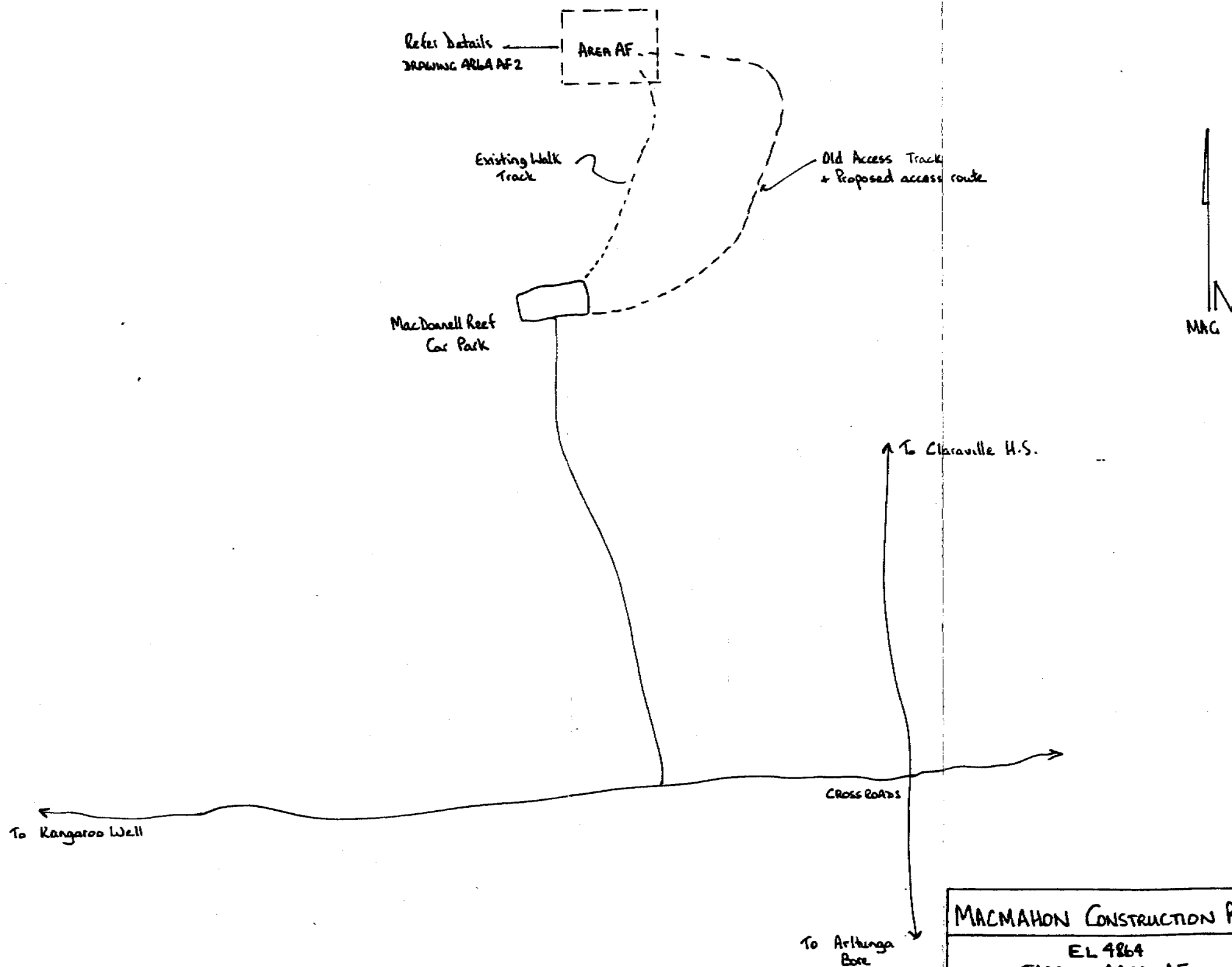




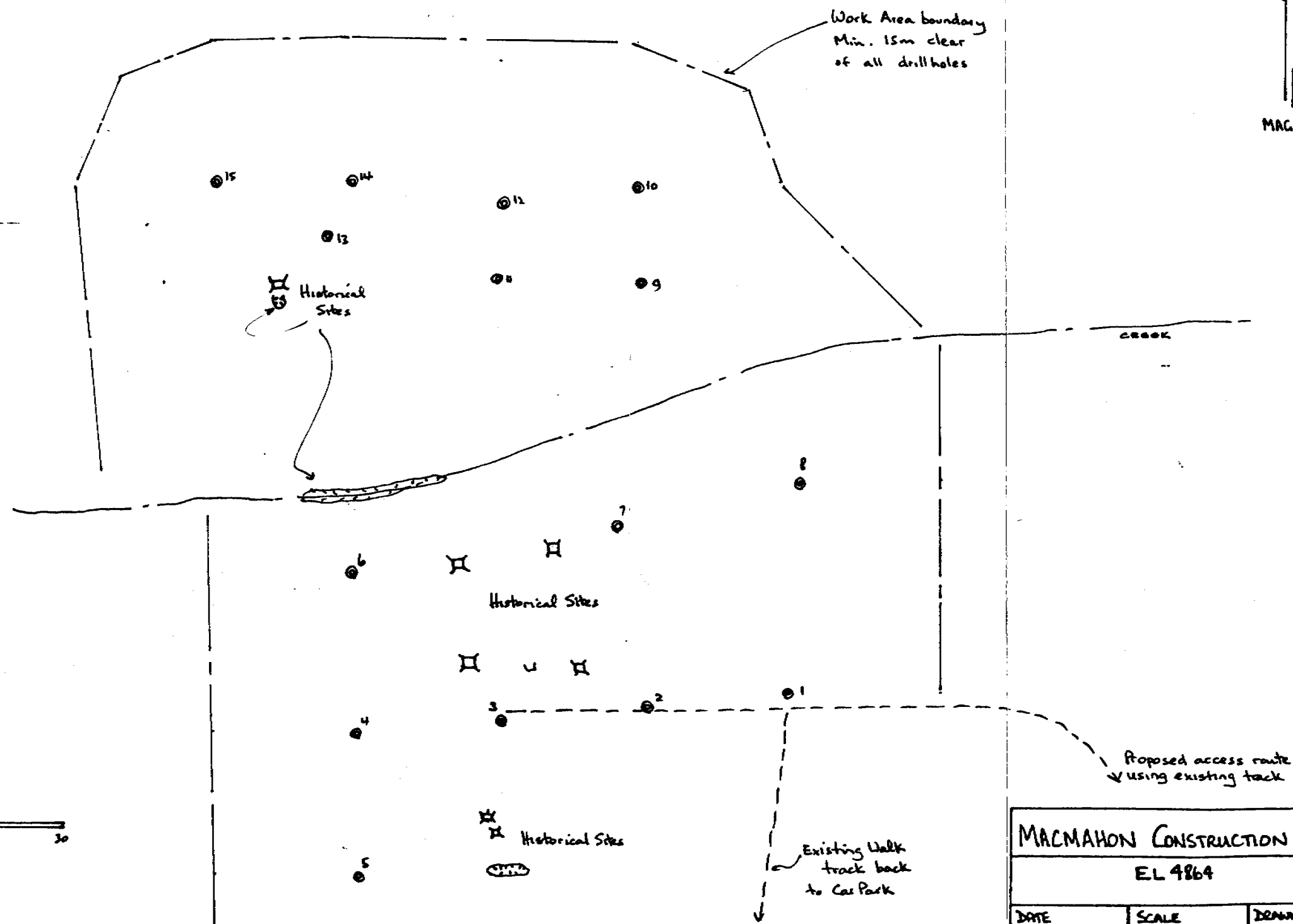
Work area boundary  
10m clear of  
drill hole.



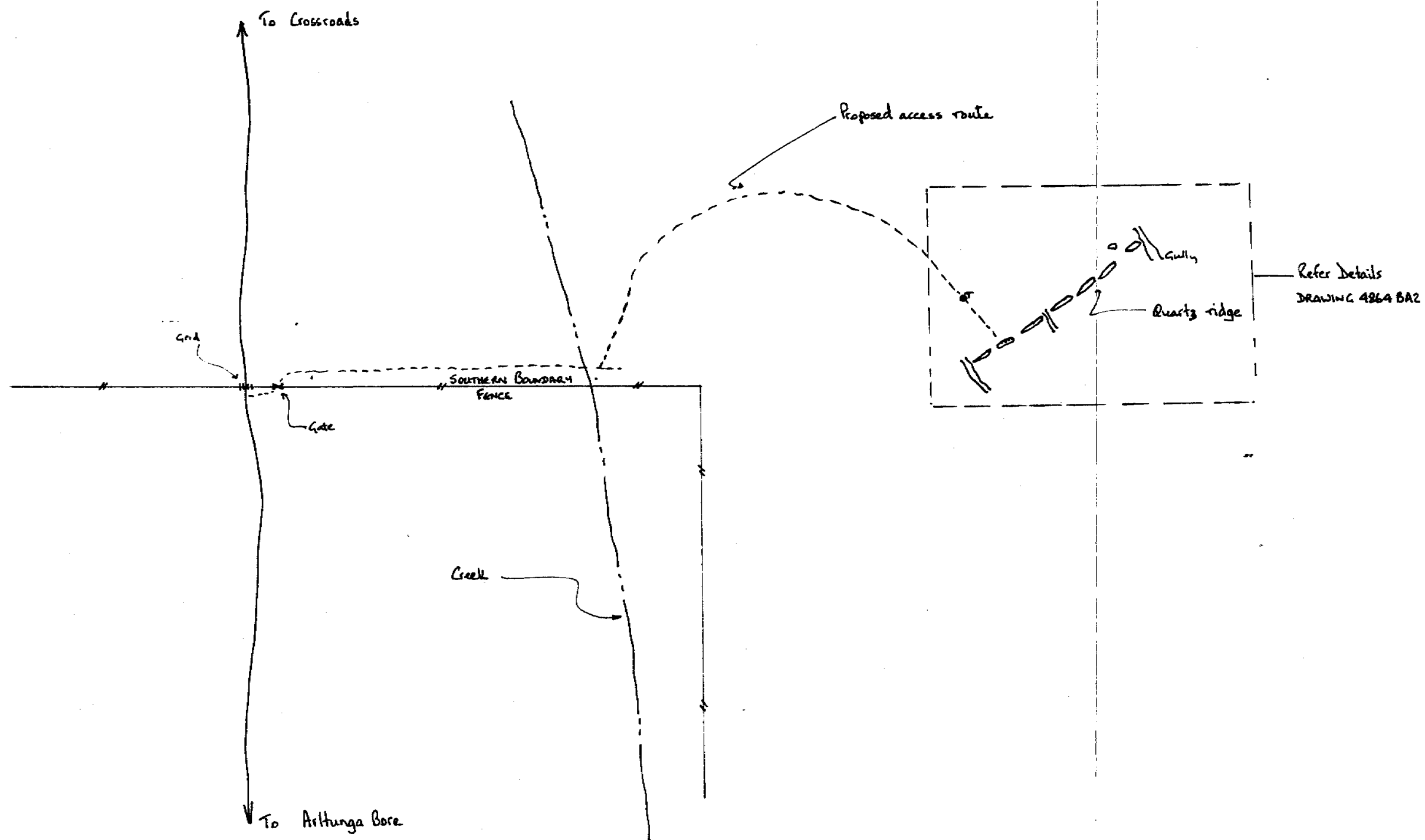
MACMAHON CONSTRUCTION Pty LTD		
EL 4864		
TARGET AREA AE		
DATE	SCALE	DRAWING#
MARCH 1981	AS SHOWN	4864 AE 3



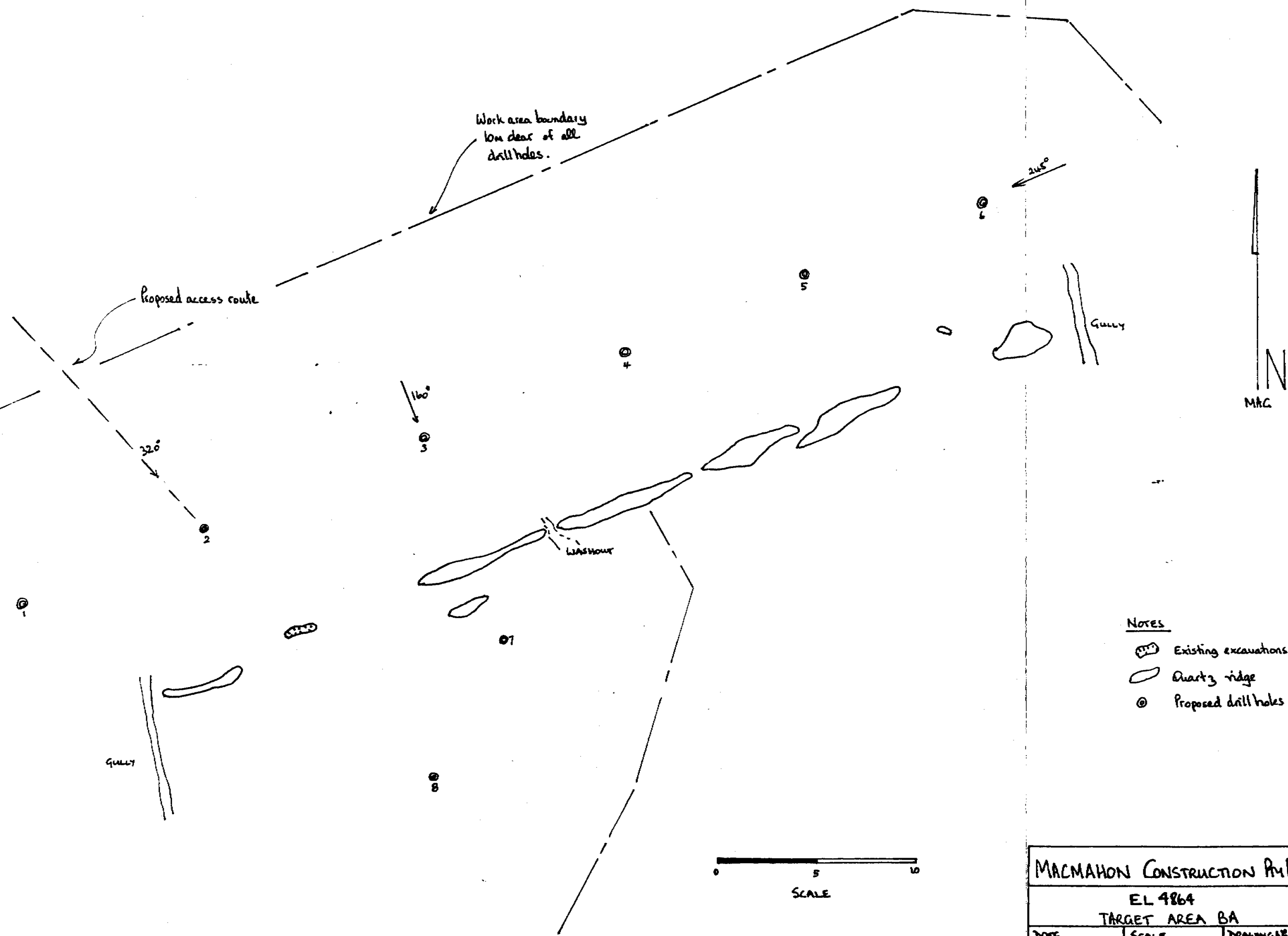
MACMAHON CONSTRUCTION Pty Ltd		
EL 4864 TARGET AREA AF		
DATE	SCALE	DRAWING
MARCH 1981	NOT TO SCALE	4864 AF 1



MACMAHON CONSTRUCTION Pty Ltd		
EL 4864		
DATE MARCH 1988	SCALE AS SHOWN	DRAWING 4864 AF 2

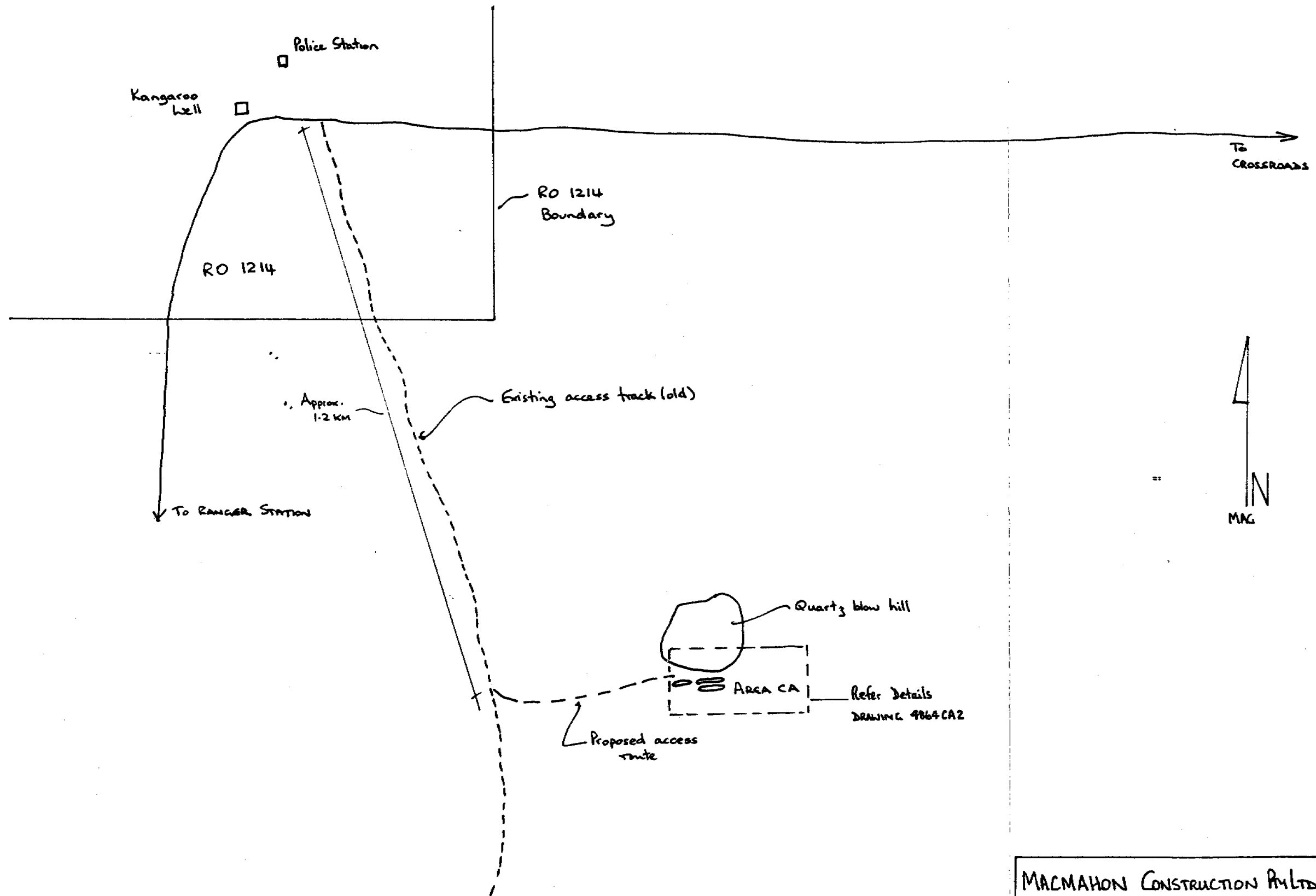


MACMAHON CONSTRUCTION Pty Ltd		
EL 4864		
TARGET AREA BA		
DATE	SCALE	DRAWING
MARCH 1988	NOT TO SCALE	4864 BA1



- NOTES
- Existing excavations
  - Quartz ridge
  - Proposed drill holes

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EL 4864		
TARGET AREA BA		
DATE	SCALE	DRAWING#
MARCH 1981	AS SHOWN	4864 BA 2



MACMAHON CONSTRUCTION Pty Ltd		
EL 4864		
TARGET AREA CA		
DATE	SCALE	DRAWING
MARCH 1988	Not To Scale	4864 CA 1



