



# NATIONAL RADIO ASTRONOMY OBSERVATORY

SUITE 100, 2010 NORTH FORBES BOULEVARD TUCSON, ARIZONA 85705  
TELEPHONE 602 882 8250

March 2, 1982

25 METER MILLIMETER WAVE TELESCOPE  
MEMO No. 148

Dr. R. E. Hills  
Cavendish Laboratory  
Madingley Road  
Cambridge CB3 0HE  
England

Dear Richard:

Your sketch (with the unperturbed road) looks excellent to me. We could work well with that arrangement. Construction of our support building on a slope will make possible a loading dock for trucks.

Let me discuss the plan with Mort. If he agrees, we will send you a formal letter of agreement which you will be able to use vis-a-vis your application to the University of Hawaii.

Good luck with your arrangements. It must be exciting (and encouraging) to have actual money for construction. I myself am looking forward to that experience.

Sincerely yours,

Mark A. Gordon

MAG:mt

c: M. S. Roberts  
25-m Memoranda

UNIVERSITY OF CAMBRIDGE

DEPARTMENT OF PHYSICS

MULLARD RADIO  
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24 February 1982

Dr M A Gordon  
National Radio Astronomy Observatory  
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2010 North Forbes Boulevard  
TUCSON  
Arizona 85705  
U.S.A.

Dear Mark

Many thanks to you and to Mr Peery for the maps and diagrams. Inevitably these arrived the morning after I called you. As well as clarifying your plans they will certainly be very useful to us. They also brought home to me how much detailed work you have already put into the arrangements for the site. I hope these proposals of ours are not going to cause you too much extra trouble.

I do not think that we can move quite as far out on the outcrop of lava as you have suggested. It becomes rather steep and narrow at that end. However, it seems to me that we can fit in quite nicely on the position indicated in the accompanying sketches, but this will make it necessary for you to move your building a bit. If you wish to leave the road where it is, then it might be best to turn your building as I have shown in the first sketch. However, the slope of the ground might make that a bit difficult and it may be better to just move the building to the north of its previous location and bend the road around it. Naturally it is entirely up to you to decide the best arrangement; the question that we need to settle is whether the site boundary I am proposing would be satisfactory to you.

Since our Users' Committee is meeting tomorrow, I am bringing them up to date on these discussions and enclose a copy of my note to them. Assuming that they are happy and you are happy, we would then make a better diagram of the layout of our facility and send that to yourselves, University of Hawaii and Cal Tech. So please let me have your comments as soon as possible.

Regards

Dr R E Hills

Encs

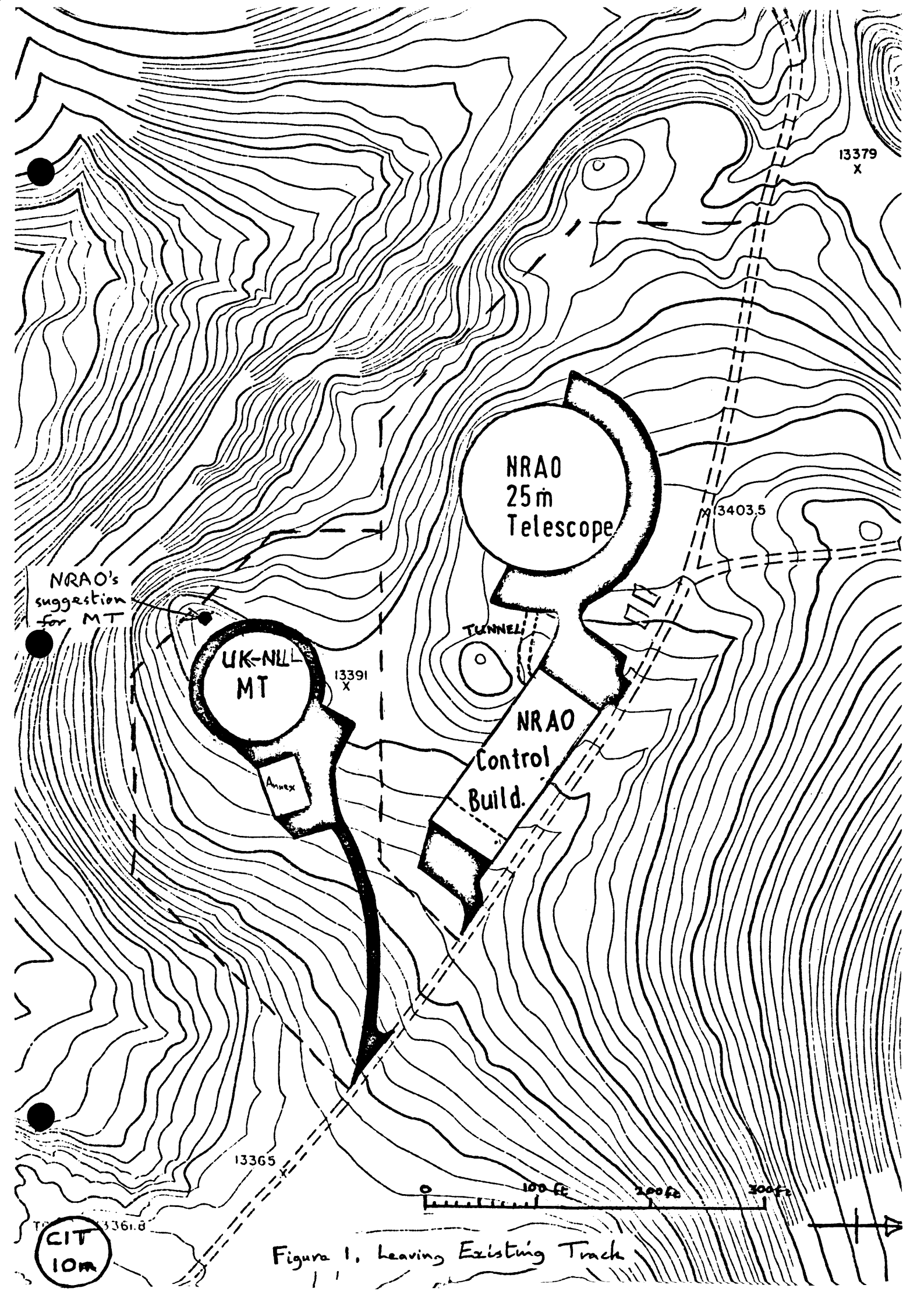


Figure 1, Leaving Existing Track