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Mr. A. Goode,  
Project Officer,  
Building R.1,  
NIRNS.

R.33 Electronic Laboratory & Office Block

We have been asked by the Rutherford Laboratory Building Committee to examine the costs of three alternative sitings for the above building, these being in principle as follows:-

- Scheme 1 To be sited south of Building R.26 complete with car parks and having external services, steam, condense, gas, compressed air and water, from a position north-east of Building R.20 thus permitting these services to be utilised should any further development take place in this vicinity.
- Scheme 2 Similar siting to above but services extended from Building R.26 and sized only to meet the present development. This scheme is not recommended. In addition the link road south of the building has been omitted.
- Scheme 3 The building sited east of R.1, necessitates the replacement of an existing car park with consequential nugatory expenditure and in addition it is anticipated the building will cost more owing to the considerable amount of under building necessary due to changes in levels. External services will however be less than for the other schemes. In this particular instance, Building R.33 would have to be redesigned as the agreed scheme would not fit the site. We also feel that when replanning R.33 in this position, it is probable it will not be as functionally satisfactory. Siting of car parks as indicated are tentative only.

Bearing in mind the three alternatives, we recommend that Scheme 1 be adopted with the omission of the link road south of the Building R.33. The schedule attached indicates the principal charges against these three schemes but at this stage they can only be considered as token estimates for planning purposes only and immediately your decision has been given we will prepare a project estimate and submit it with the project estimate for the building. You are, of course, aware that if R.33 remains in the position recommended in scheme 1, the building costs will be approximately £167,000.

Siting Plan 21154 and Service layout attached.

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Token Estimate for Planning Decision Only

| Externals                                 | Scheme 1    | Scheme 2   | Scheme 3   |
|-------------------------------------------|-------------|------------|------------|
| Steam                                     | £<br>16,000 | £<br>6,000 | £<br>2,000 |
| Elect.                                    | 2,000       | 2,000      | 2,500      |
| Roads                                     | 6,400       | 4,000      | -          |
| Car Park                                  | 7,600       | 7,600      | 12,500     |
| Drains                                    | 8,000       | 8,000      | 8,000      |
| Total                                     | 40,000      | 27,600     | 25,000     |
| Deduct ITP for Car Parks                  | 3,600       | 3,600      | 3,600      |
| Extra Building Cost<br>(under-building)   | -           | -          | 4,900      |
| Total Cost                                | 36,400      | 24,000     | 25,400     |
| Recommend omit link road<br>south of R.33 | 2,400       | -          | -          |
|                                           | 34,000      |            |            |

The above costs are exclusive of fees and assume the additional land and re-routing of fence is covered by a separate vote.

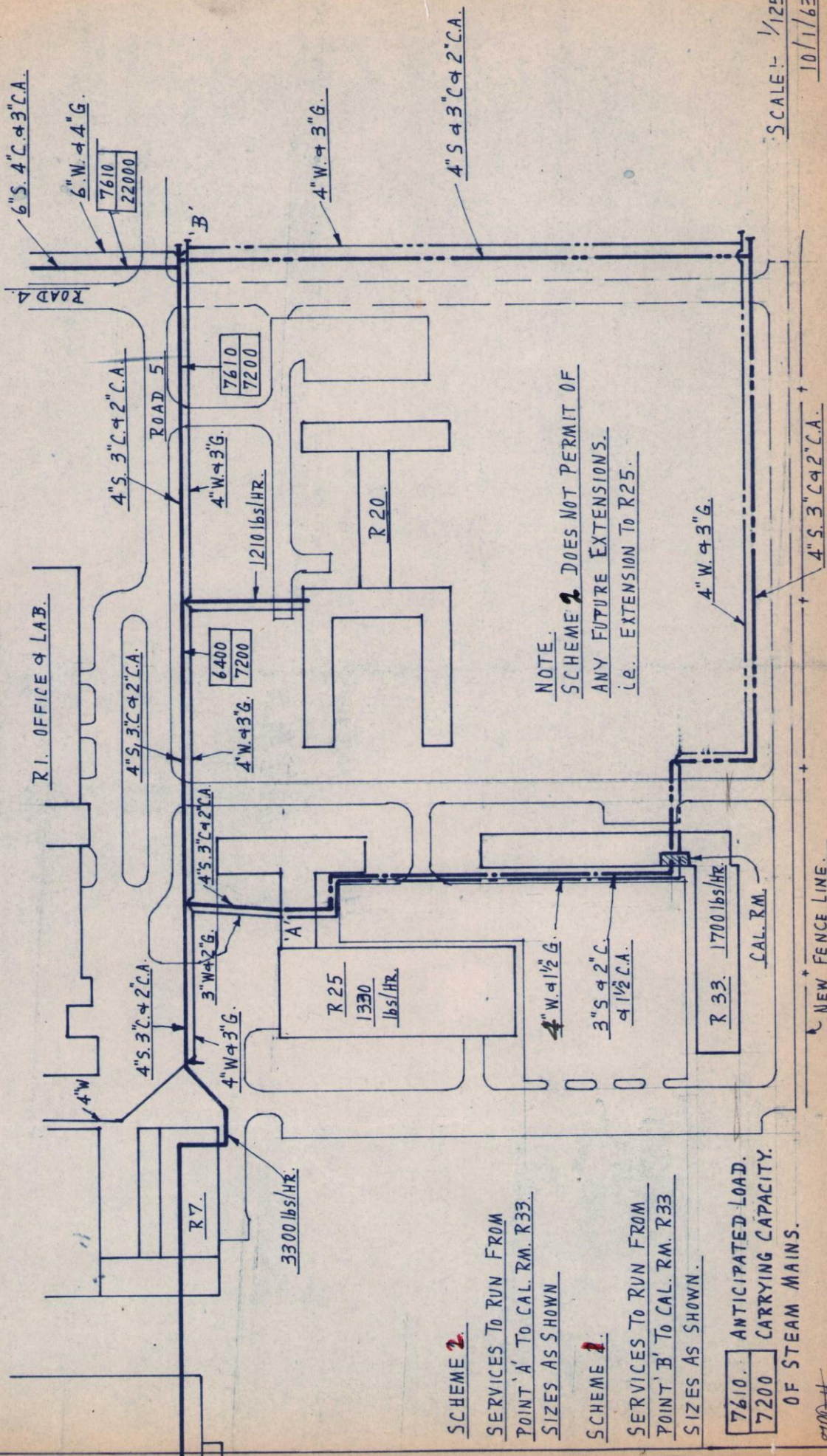
*K. H. Houghton*  
*A.C.A.*  
Colonel Wilson,  
Manager.

Southern Works Organisation,  
Tadley.

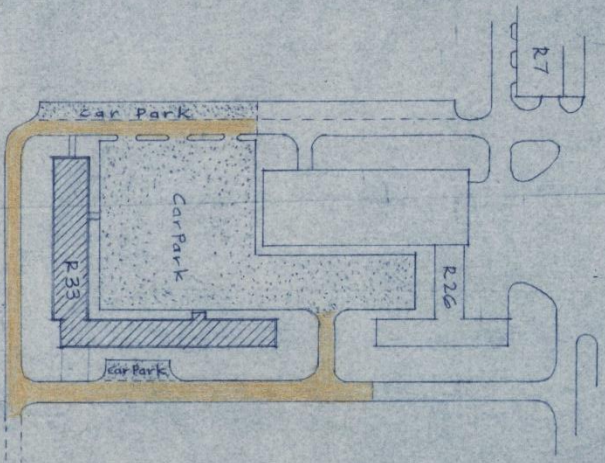
22nd January, 1963.

Col. Wilson  
c.c. Mr. Dixon  
Mr. Harbert  
Mr. Youd (2)  
Mr. de Metz  
Mr. Bowers  
Mr. Godfrey  
File

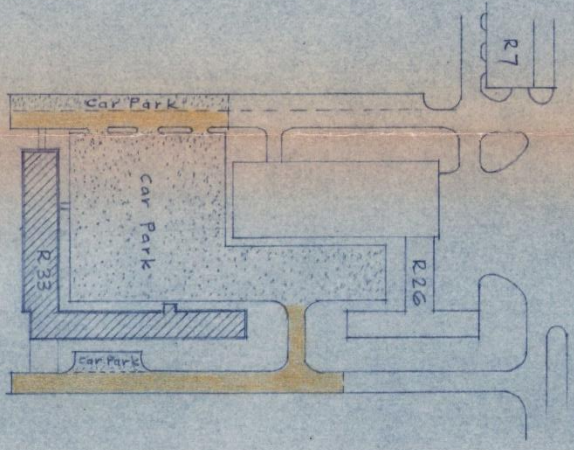
PROPOSED ROUTES OF MECHANICAL SERVICES  
TO BLDG. R33.



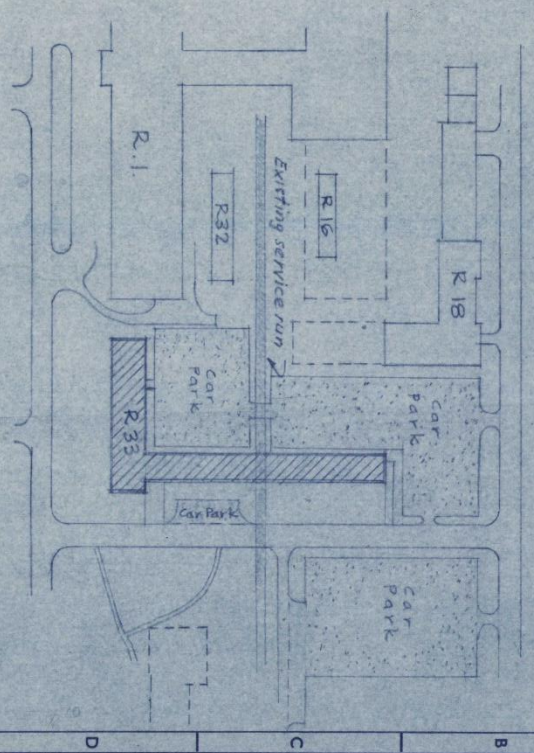
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10/11/63.



*Scheme 1*



*Scheme 2.*



*Scheme 3.*

**UNITED KINGDOM ATOMIC ENERGY AUTHORITY**  
**SOUTHERN WORKS ORGANISATION**

| SITE          | BUILDING No. | JOB No.   | E.O. & S. No. | DATE        |
|---------------|--------------|-----------|---------------|-------------|
| N.I.E.N.S.    | R 33         | 55 6679   |               | 21-1-63     |
| DRG. OFFICE   | DRAWN BY     | TRACED BY | CHECKED BY    | APPROVED BY |
| Archts S.W.O. | P.M.C.       | —         | —             | —           |

SCALE 1/250  
 ARCHITECT  
 TITLE  
 ALTERNATIVE SITINGS  
 FOR BUILDING R 33

MOD. A  
 DRAWN BY