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MINISTRY OF DEFENCE
MAIN BUILDING WHITEHALL LONDON SW1

Telephone 01-9800000 2111/3

4th February 1980

Pamie Parites

Pans

Dear Michael,

# PROTECTION OF SECURITY FORCE BASES IN NORTHERN IRELAND

Thank you for your letter of 28th January about the threat from mortar attacks on Security Force bases in Northern Ireland. The Prime Minister's views were of course conveyed to the GOC Northern Ireland who asked the Commander Land Forces to prepare a report for the Prime Minister on this subject.

I attach a copy of Major General Glover's report.

I hope that it will provide reassurance on the one hand that all reasonable steps are being taken to counter the threat of mortar attacks, and on the other hand that there has certainly been no complacency in attitudes to this threat either on the part of commanders in Northern Ireland or of the MOD and its R and D establishments which have been working on this problem.

If the Prime Minister would like to have any of this material further developed, we would of course be very ready to arrange this.

I am sending copies of this letter and enclosure to Roy Harrington (Northern Ireland Office) and David Wright (Cabinet Office).

(D B OMAND)

M Alexander 10 Downing Street

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 is 24 lbs TNT and the maximum weight of the bomb is 150 lbs. These two parameters constitute the "design threat".

8. PIRAs use of heavy mortars (Marks 8-10) have been confined to date to the border areas:

Base	No of attacks		
	Mk 8	Mk 9	Mk 10
Crossmaglen	1+1 NK	1	
Forkill		1	
Bessbrook	1		
Newtownhamilton			1

9. Use of the heavy mortar usually starts with a hijacking of a suitable flat bed lorry and supporting cars in the border area or in the Republic. The lorry is then fitted out with the mortar, and a prefabricated base plate and firing mechanism. Within about 3 hours of the hijacking the lorry is brought to within range of the selected target, an operation that requires up to 20 men in supporting roles. The lorry is parked at a previously selected base plate position, the mortar initiated electrically according to a timed programme and the PIRA team make their escape to the Republic. Because of the complexity of the operation and the number of men involved, it is unlikely that a heavy mortar would be used so far from the border that the escape of the supporting team would be prejudiced.

## OPTIONS IN THE LIGHT OF THE THREAT

- 10. The PIRA mortar threat poses options, which are themselves not mutually exclusive. These are:
  - a. To deter an attack.
  - b. To save lives should an attack occur.

#### DETERRENCE

11. In considering deterrence, it is first necessary to list the basic factors that govern whether or not an attack is likely to take place. An attack is only likely to take place if:

20. Tactical Considerations. The mortar threat to border bases, particularly in South Armagh, is treated extremely seriously. In order to reduce this threat a 24 hour patrol coverage of the immediate area is a standing operational procedure. In Forkill, for example, this deterrence presence requires a dedicated platoon, and in Crossmaglen two platoons are required. This manpower, committed purely to the defence of the base, is a permanent requirement. There is consequently the danger of dissipating one's effort on purely defensive tasks. Too little local patrolling and the bases are in danger of mortar attack. Too much patrolling and the patrols themselves, and not the bases, become the target for snipers and bombs. There is therefore a fine balance to be drawn on the level of local patrolling carried out. This balance is the decision of the local commander, based on the threat and intelligence available at the time.

#### SAFETY DRILLS

21. Drills required to take cover from a mortar attack are well known to all soldiers; they are taught during pre-Northern Ireland training and rehearsed in all the border bases. An attack warning system exists in every border base. In combination with the simple limited physical protection of blast walks and the like, such drills will save lives.

#### CONCLUSIONS

- 22. The threat of mortar attack is markedly reduced by selective patrolling and the use of surveillance devices. The costs are minimal compared to the costs of full mortar proofed accommodation (something in the order of £12,000 per base against £900,000 per base).
- 23. Should an attack occur, casualties are limited by:
  - a. Simple, low cost protection against blast, as has been used effectively in the past (as a matter of normal soldiering) against such a threat.
  - b. Local patrolling to deter the terrorist or make it necessary for him to engage the target from an unsatisfactory position.
  - c. Adopting well thought out and well rehearsed anti-mortar drills in the event of an attack.

ANNEX

A. Surveillance Survey - Newtownhamilton

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# SURVEILLANCE SURVEY NEWTOWNHAMILTON

#### INTRODUCTION .

- 1. The Newtownhamilton SF base was mortared from a lorry parked as shown on 19 Mar 79. (Annex A).
- 2. Two areas, The Common and Newry Road are considered to be the most likely mortar firing points as:
  - a. They cannot be seen from existing sangars.
  - b. They can see aiming marks within the base.
  - c. The lines of fire do not pass over occupied buildings.
- 3. The firing points in Rathole Lane and the northern end of Armagh Street are considered possible but unlikely for the lines of fire pass over occupied buildings.

## REQUIREMENT

4. The surveillance requirement is to provide observation over The Common and Newry Road.

#### PROPOSED CORNER SANGAR

- WATER

- 5. OC D Company 3 QUEENS has requested that a sangar be built within the base at the corner at the junction of Shamble Lane and Newry Street:
  - a. To improve the view of possible mortar FPs east of the Fire Station.
  - b. To improve the close protection of the permanent VCP outside the SF base.

#### 6. Comment

- a. There is already a sangar at ground level on the southwest side of the junction of Shamble Lane and Newry Street. Its field of view and fire along both is adequate for the close protection of the VCP. It is understood however that the sentry is also required to spot for Vengeful as so becomes distracted from his primary protective task during periods of heavy traffic.
- b. The cover from view screen at the corner is approximately 10 m high. From its top Newry Road between the shop and the Masonic Hall cannot be seen. The view onto the corner from a sangar at that height would be very restricted and a sentry in it would not be able to assist in the close protection of the VCP. He would be able to see the Newry Road beyond the Masonic Hall, but the range of 200 m would prevent him using his weapon effectively at targets there.

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## CCTV

- 7. From the top of the cover from view screen (10 m above ground level) at position A it is possible to see most of The Common (as shown) and the roofs of cars moving down Newry Road between the Shops and the Masonic Hall.
- 8. A steerable camera on this site, but elevated to 20 m above ground level would be able to see at street level in this area. Complete coverage of The Common would still not be possible but the coverage would be better than now.
- 9. To obtain complete coverage of the Common a second camera would be required in position B. It is understood that this has already been investigated but that there are legal and CR difficulties over the proposed site.
- 10. The CCTV already covering the helipad cannot see any of these areas nor can it be modified to do so. It is already monitored in the Ops Room, but if a second TV is to be placed there, the Helipad monitor should be in the Guard Room.

### SUMMARY

- 11. Observation is required of The Common and Newry Road beyond the Fire Station.
- 12. The proposed corner sangar would not be able to observe Newry Road.
- 13. A CCTV camera at A would cover all Newry Road and most of the Common.
- 14. A CCTV camera at B would cover the whole of the Common but there are problems in acquiring its site.
- 15. The security of the VCP could be improved by double manning the sangar at the junction of Shamble Lane and Newry Street at busy periods; one man to spot for Vengeful, one man to act as cover sentry.

#### RECOMMENDATION

- 16. A CCTV camera (specification at Annex B) should be erected at A to observe Newry Road and most of the Common.
- 17. As a second priority, and after the installation and evaluation of the camera at A, the installation of a camera at B to cover the whole of the Common should be considered.
- 18. The control position for the Helipad CCTV should be moved to the Guard Room.

# IMPLEMENTATION

19. This CCTV system will be included in the consolidated requirement under preparation within this HQ.

N H H ADAMS

Major

GSO 2 Surveillance

30 Apr 79

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#### Annexes:

- A. Approaches to Newtownhamilton SF Base. (Map)
- B. Proposed CCTV Specification Newtownhamilton.

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ANNEX B TO 1039/4/1

DATED APR 79

# PROFOSED CCTV SPECIFICATION NEWTOWNHAMILTON

- 1. Camera. COTRON NIGHTGUARD.
- 2. Lens. CANON 15 150 mm zoom with x 2 converter.
- 3. Remote Control. MOLYNX BOXER pan and tilt head.
- 4. Environmental Housing. MOLYNX housing with washer, wiper and demister.
- 5. Monitor. COTRON PM 24B. Monitor and remote control position in Army Ops Room.
- 6. Camera Mounting. The height of the vertical girder at the north end of the fence beside Shamble Lane, beside the rear gate, should be extended to 20 m above ground level. The camera should be mounted on top of it with:
  - a. Traverse. As near 360° as possible. Dead are to be centred on 260° grid.
  - b. Elevation. Plus 30° to minus 80°.
- 7. Power. Mains power is to be provided to the camera.
- 8. Video Cable. Approximately 100 m from camera site to Army Ops Room.



