

11102  
RCTL  
29 Oct 1984

From: Range Control Officer, Marine Corps Base, Camp Lejeune,  
North Carolina  
To: Commanding Officer, 10th Marines, 2d Marine Division, FMF  
Lant, Camp Lejeune, North Carolina  
Via: (1) Assistant Chief of Staff, Training and Operations,  
Marine Corps Base, Camp Lejeune, North Carolina  
(2) Commanding General, 2d Marine Division, FMF Lant,  
Marine Corps Base, Camp Lejeune, North Carolina

Subj: G-7 RANGE -- ARTILLERY DIRECT FIRE

Ref: (a) CO 10th Mar ltr 5100 over CO of 24 Aug 1984

Encl: (1) RCO ltr 3100 over RCTL of 23 Oct 84

1. The reference requested range modifications for direct firing of the 203mm (8") projectile.

2. After additional coordination between the Range Maintenance Officer and your Safety Officer, the modification described at the enclosure was decided upon. The 300 meter restriction will be changed upon completion of the range modification to accommodate direct fire.

F. J. CIZERLE

1102  
100  
23

From the Chief of Police, Memphis, Tennessee, dated 11/10/54.  
Re Memphis airtel dated 11/10/54.  
Enclosed for the Bureau are two copies of a report dated 11/10/54  
and captioned as above. The report contains information regarding  
the activities of the Memphis Police Department in connection with  
the investigation of the activities of the Memphis Police Department  
in connection with the activities of the Memphis Police Department  
in connection with the activities of the Memphis Police Department.

Very truly yours,  
[Signature]  
[Title]  
[Address]  
[City, State, Zip]



**UNITED STATES MARINE CORPS**

Range Control  
Marine Corps Base  
Camp Lejeune, North Carolina 28542

IN REPLY REFER TO:

3100  
RCTL  
23 Oct 84

From: Range Control Officer, Marine Corps Base, Camp Lejeune  
To: Assistant Chief of Staff, Facilities, Marine Corps Base  
Camp Lejeune  
Via: Assistant Chief of Staff, Training and Operations, Marine  
Corps Base, Camp Lejeune

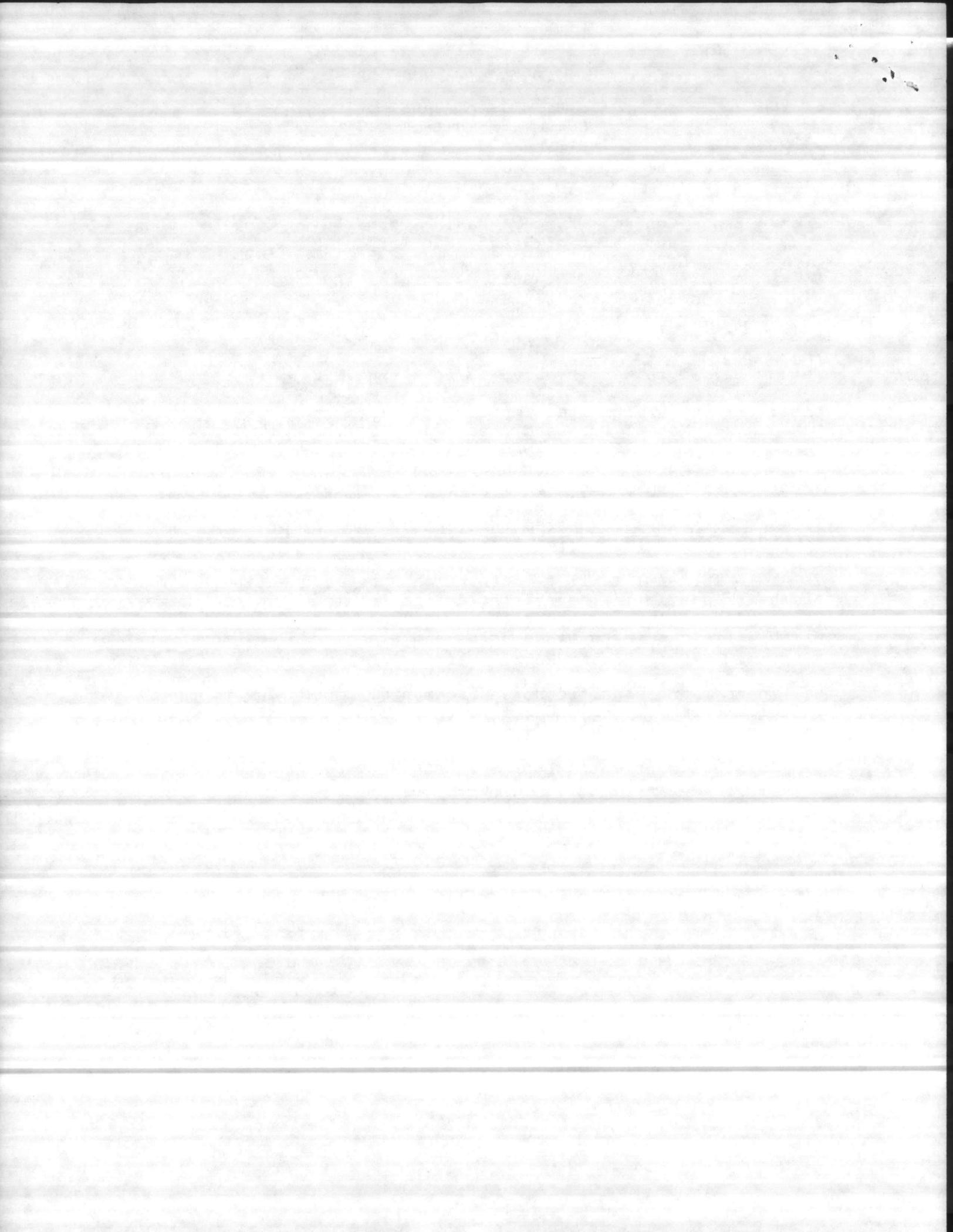
Subj: MODIFICATION OF G-7 RANGE

Ref: (a) 10th Mar ltr 5100 Co fo 24 Aug 1984

Encl: (1) Environmental Impact Review Statement  
(2) Map of Proposed Area

1. It is requested that an additional berm be constructed 950m~~m~~ down range of G-7. This berm should be approximately nine feet high, two hundred feet long and have a road bed width of eleven feet. It is also requested that, after completion, this berm be reseeded to reduce erosion problems.
2. This berm will fill a training gap for 10th Marine Regiment. At the present time there is no available area to direct fire the 203mm projectile. In accordance with reference (a) all 203mm direct fire has taken place using a distance of 3000 meters which is not an excellent example of direct fire.
3. There is no significant environmental impact due to the fact that the berm will be located in the impact area of G-7. See enclosures (1) and (2).
4. Point of contact is 1Lt R.C. GRAHAM, Range Maintenance Officer, extension 3065/3066.

  
J. CIZERLE



REQUEST FOR ENVIRONMENTAL IMPACT REVIEW;

1. Action Sponsor: TFAC

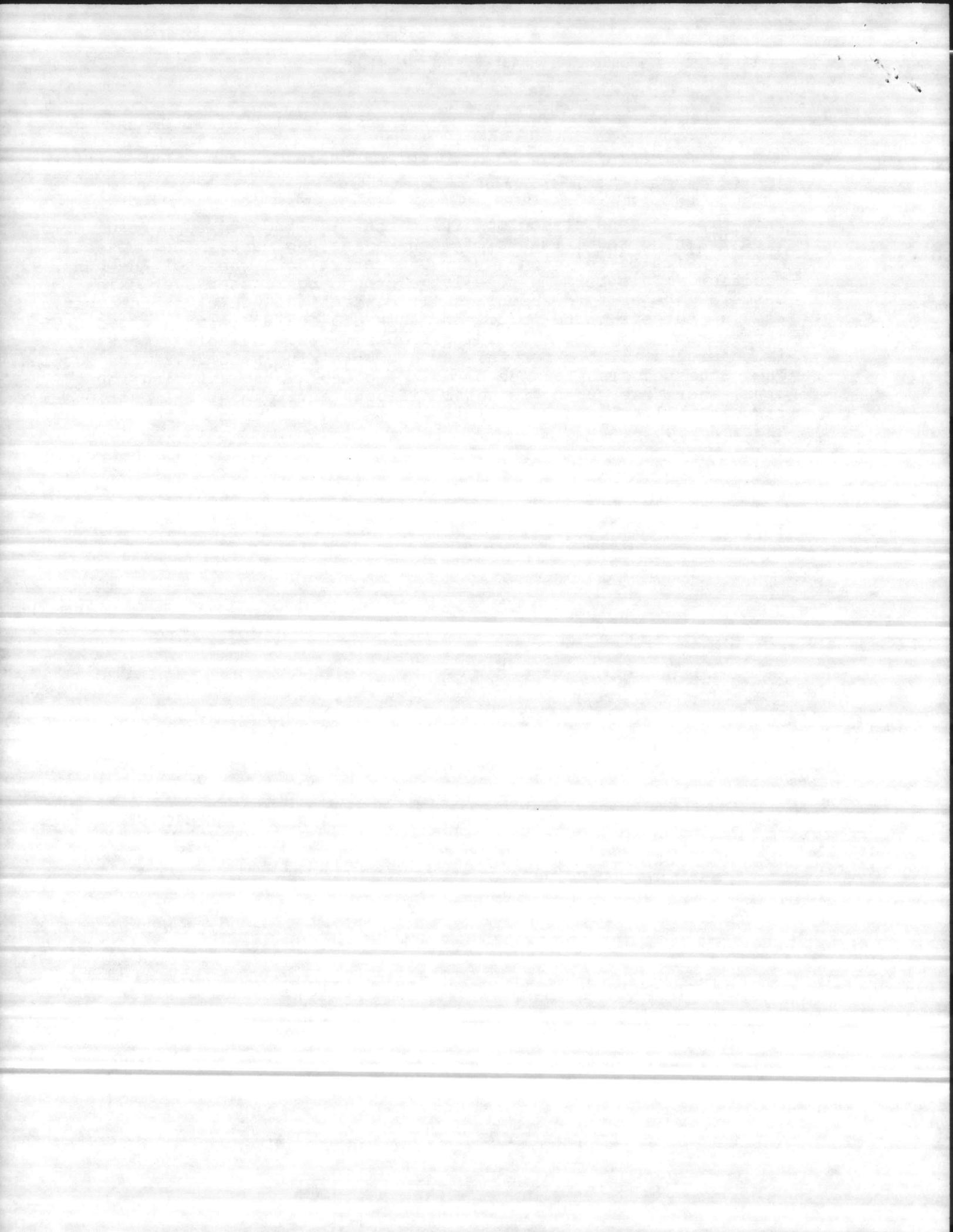
2. Name, Address, Phone Number of Point of Contact: 1Lt R. C. GRAHAM

Bldg 1404, Marine Corps Base, Camp Lejeune, N.C., ext. 3065/3066

3. Title and Brief Description of Proposed Action (state purpose, when proposed action is to occur, and any proposed environmental protection measure):

This project consists of modifying the G-7 range to support direct fire training requirements of 10th Marine Regiment. The project will consist of building a berm 950 meters down range of the gun position. This berm must be large enough to be seen over existing berms and be able to support hulls of tactical vehicles and equipment used as targets. The purpose of this project is to fill a gap in 10th Marine Regiment's Training requirements. At this time there is no area available for this type of training with an 8" projectile. The suggested area for the berm is located in the existing impact area, therefore, there is no significant environmental impact. A request will be sent to Facilities to seed the berm to reduce erosion problems.

ENCLOSURE (1)



4. Location: Attach a Camp Lejeune Special Map (or equivalent quality map) showing location of proposed action/project site(s).

5. Potential Environmental Impact/Considerations:

a. Air Quality: Will there be any open burning associated with the project/action? NO Will there be any new boilers, incinerators or fuel storage tanks (larger than 1,000 gallons) provided? NO Will there be any paint booths, solvent vats, degreasers or other vapor-producing industrial processes involved? NO Will the project involve the use or disposal of asbestos? NO Will project cause dust problems? NO

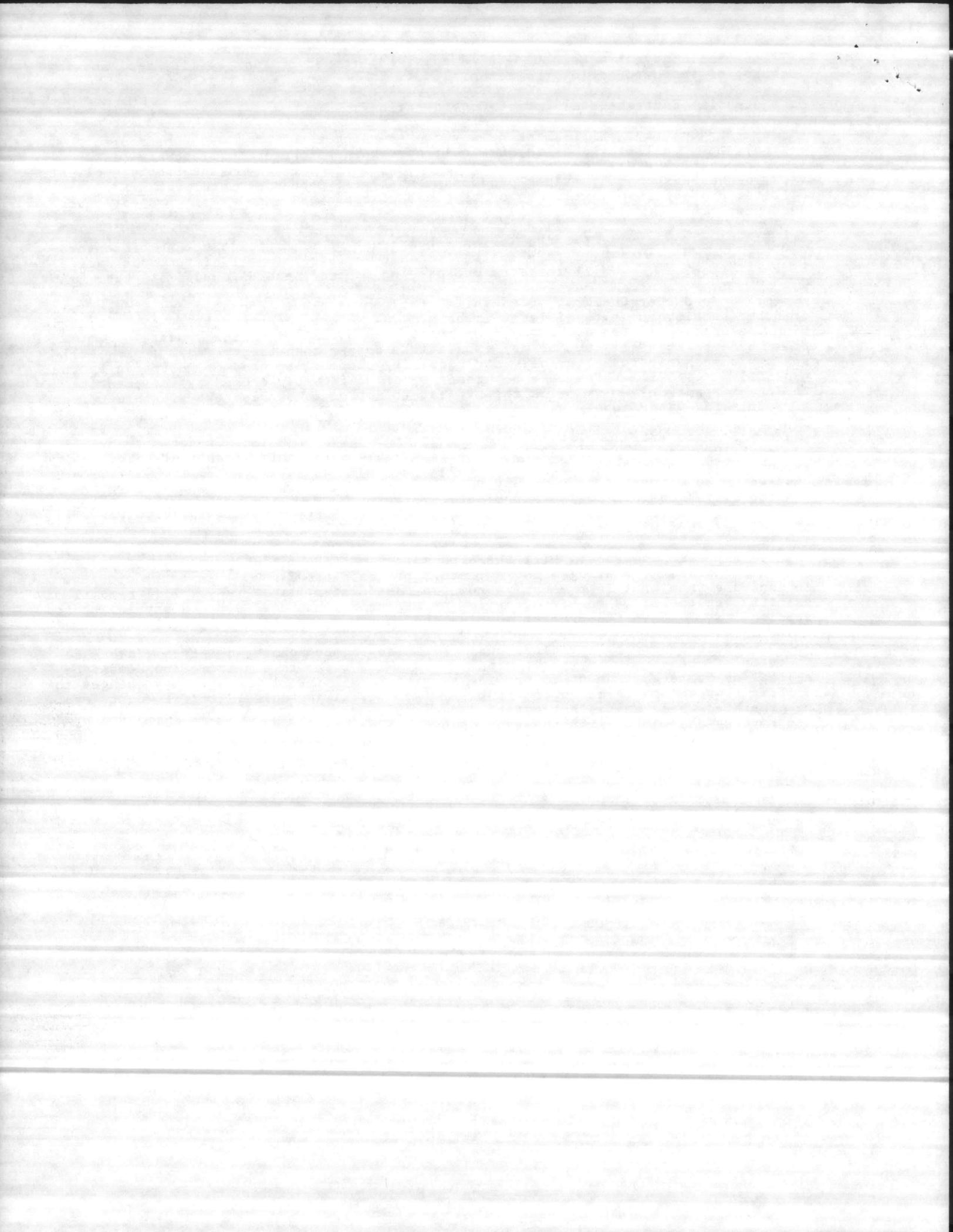
b. Land Quality: Will the action require use of significant amount of earthen fill material? YES Will there be an increase in level of soil disturbance/damage to vegetation? NO Will there be one acre or more of land cleared/disturbed? NO

c. Groundwater Quality: Does the project involve use of herbicides, insecticides or other pesticides in significant amounts? NO Does the project involve installation/use of septic tanks, or any other on-site disposal of sanitary waste? NO Will there be any wells dug or any excavations deeper than twenty feet? NO Will any toxic or hazardous material/waste requiring disposal be used or generated by the project? NO Will there be a net increase of solid waste caused by implementing the project/action? NO Will the project or action be carried out within 200 feet of a drinking water supply well? NO

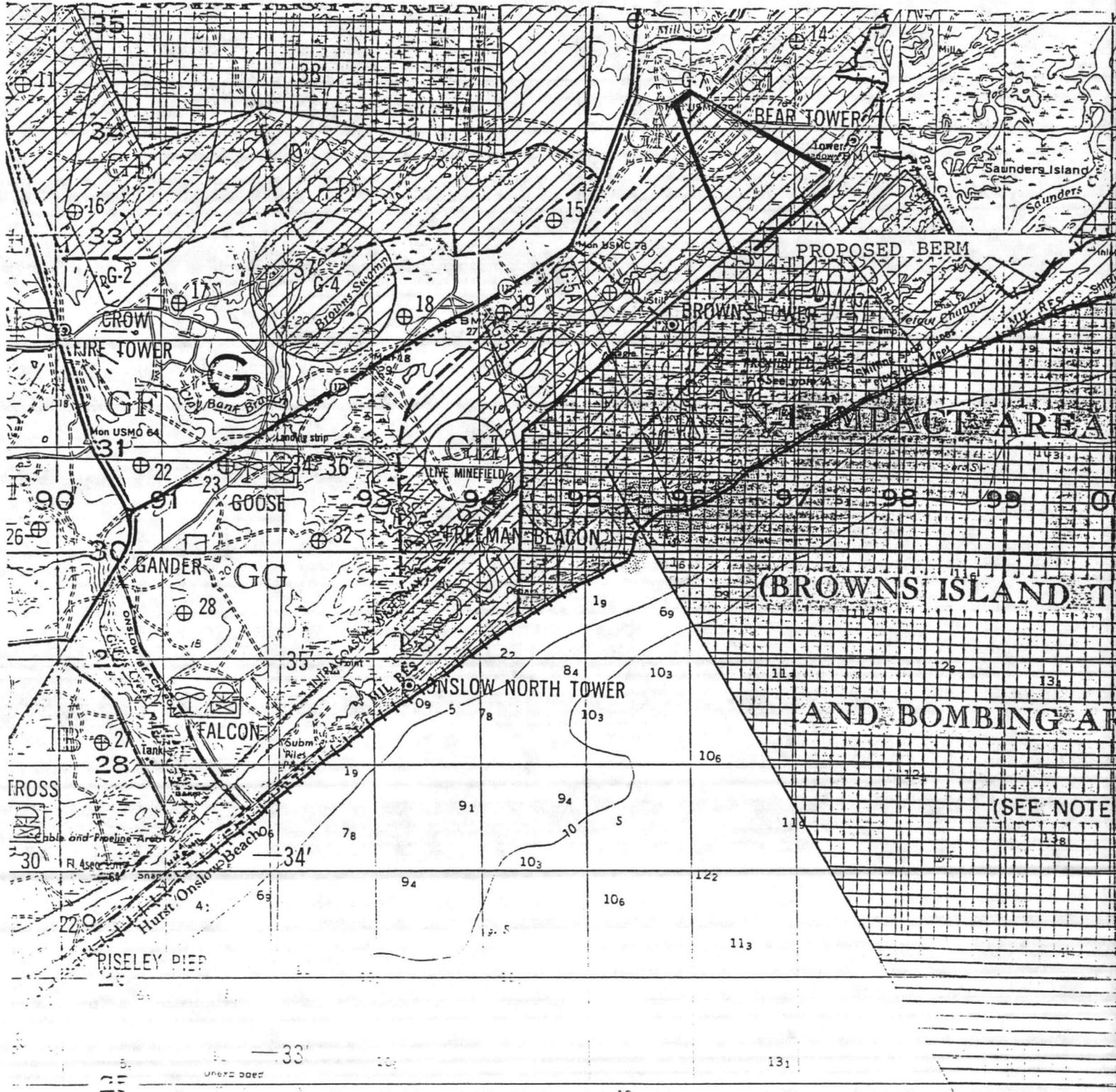
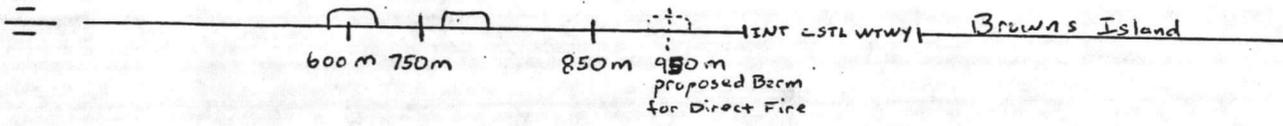
d. Surface Water Quality: Is the project located on or in a water body or adjacent 100-year flood plain? NO Will the project involve construction of drainage ditches/underground drains for purposes of lowering water table? NO Will all wastewater be connected to sanitary sewer? NO Will there be an increase in erosion/siltation from soil disturbing activity? NO Will petroleum oil and lubricants be routinely stored or used at the site? NO Will the project increase rates of surface/storm water run-off? NO

e. Natural Resources: Will there be a loss of forest land? NO Will public access for hunting, boating, fishing, etc., be restricted? NO Is there a change in land use from what is presently shown in Base Master Plan? NO Will removal of existing vegetation be required? NO Are there any known effects on any endangered species? NO Does the project involve the purchase or sale of any real estate? NO

f. Socio-Economic Considerations: Will the project cause an increase/decrease in on or off-base military population? NO Will there be any increased demand on a local or state government to provide services? NO Will there be any changes to traffic flow and patterns on or off-base? NO Will any noise, traffic, dust, etc., be generated which may affect off-base persons or property? NO Is there any known controversy associated with the type of project or action proposed? NO Are there any historical or archaeological sites affected by project/action? NO



Firing Point



10



**UNITED STATES MARINE CORPS**  
2d Marine Division, Fleet Marine Force  
Camp Lejeune, North Carolina 28542

IN REPLY REFER TO:  
5000  
AC/S G-3(T)  
6 Sept 1984

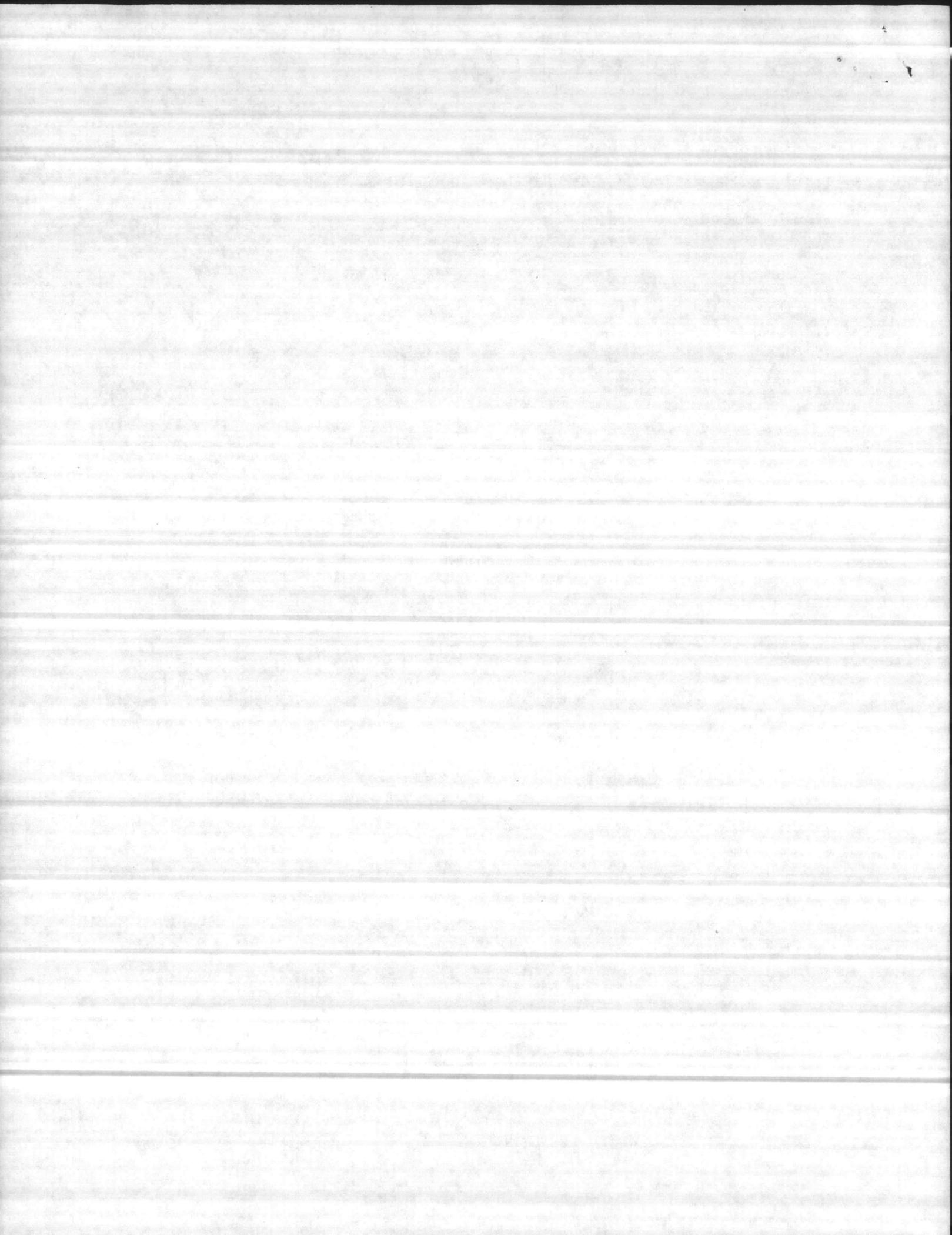
FIRST ENDORSEMENT on Co, 10th Mar ltr 5100 Co of 24 Aug 1984

From: Commanding General  
To: Commanding General, Marine Corps Base, Camp Lejeune, North Carolina  
28542 (Attn: AC/S Trng)

Subj: G-7 RANGE

1. Forwarded.

L. R. ZINSER  
By direction





**UNITED STATES MARINE CORPS**  
10th Marines, 2d Marine Division, FMF  
Camp Lejeune, North Carolina 28542

IN REPLY REFER TO

5100

CO

24 Aug 1984

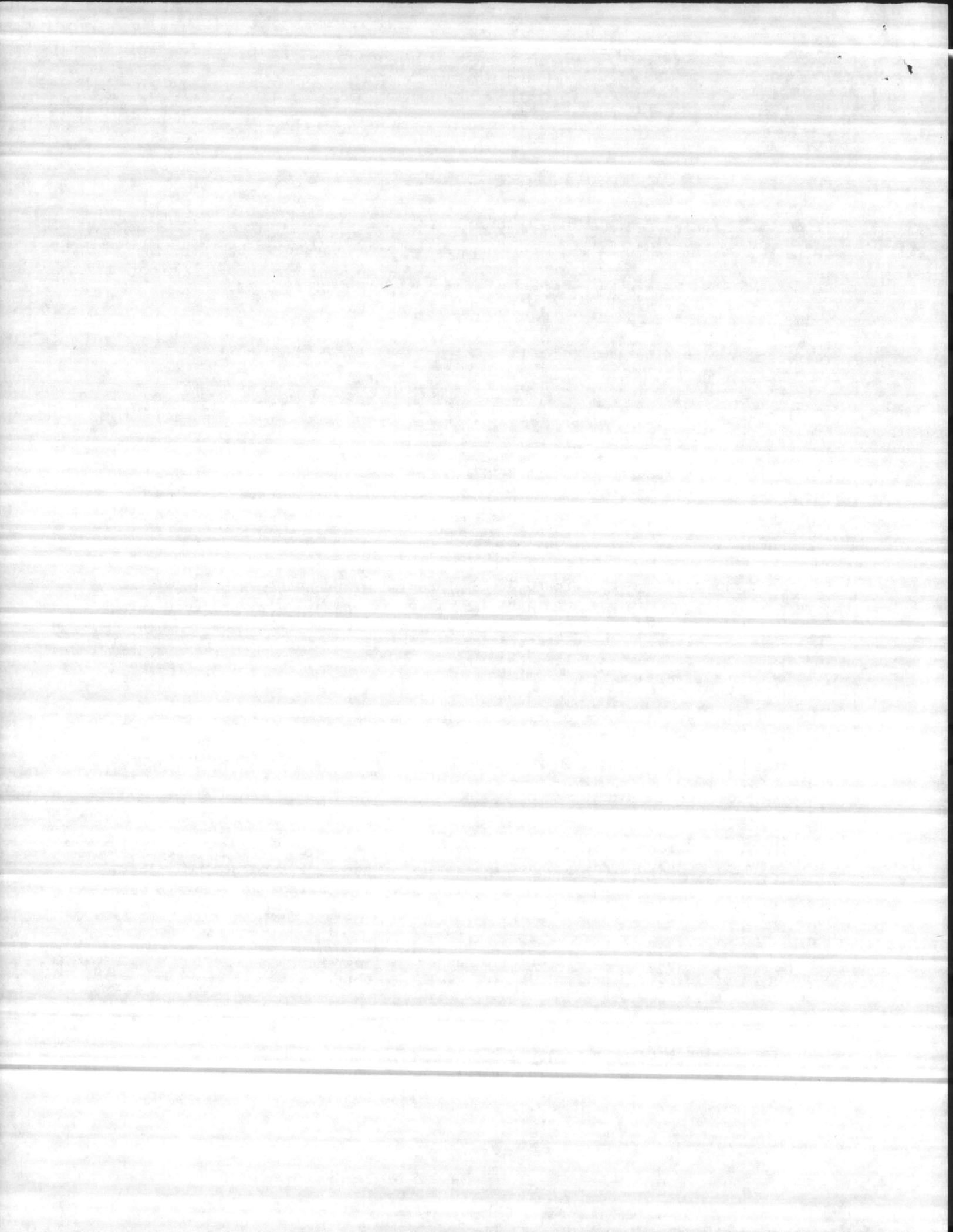
From: Commanding Officer, 10th Marines  
To: Commanding General, Marine Corps Base, Camp Lejeune, North Carolina  
28542 (Attn: G-3T)  
Via: Commanding General, 2d Marine Division, FMF (Attn: G-3T)

Subj: G-7 RANGE

Ref: (a) BO P11102.1J  
(b) MCO P3570.1A

Encl: (1) Safety Limitations for direct firing of Artillery on the G-7  
Range

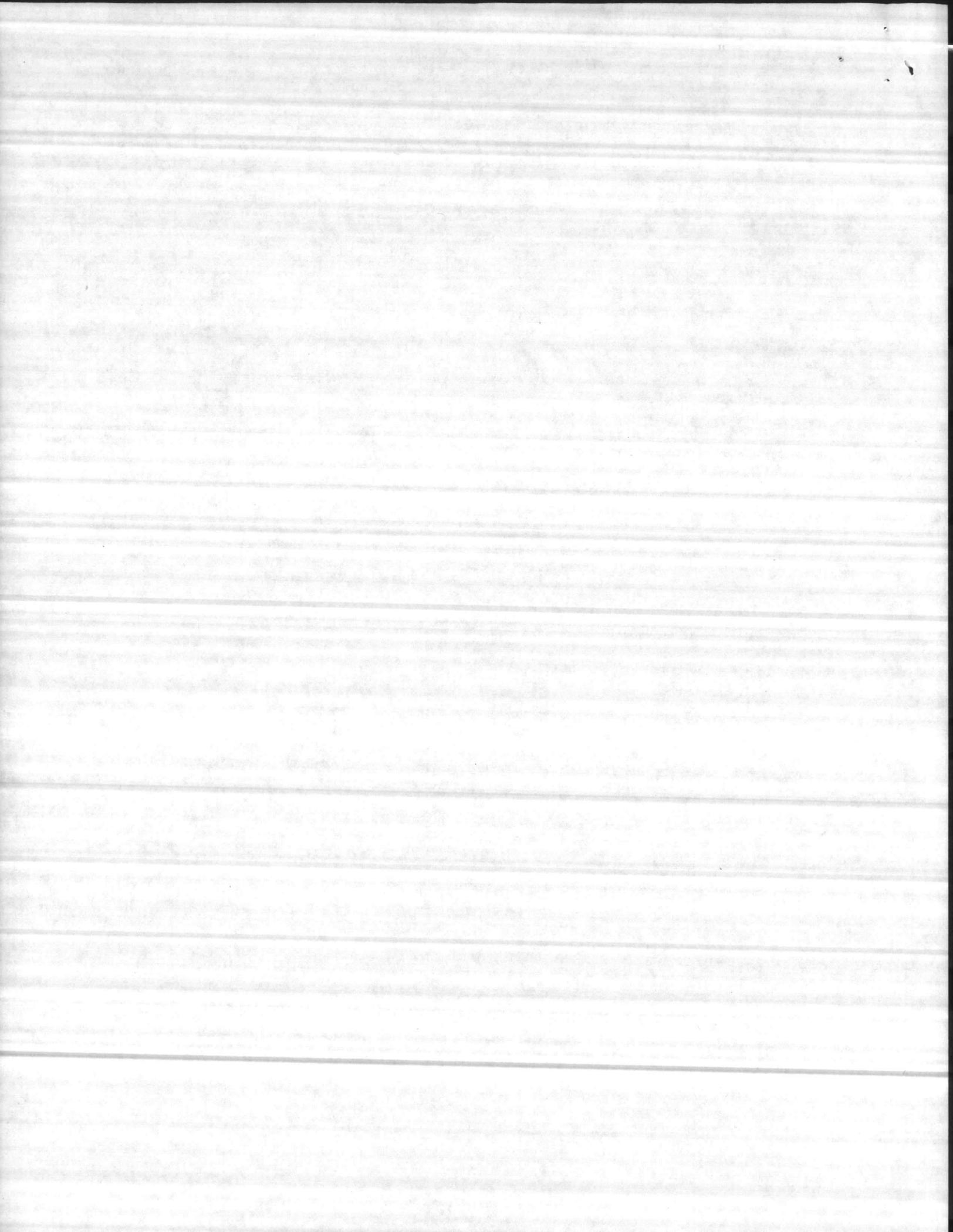
1. Reference (a) authorizes direct firing of artillery on the G-7 range. Reference (a) also prohibits the impact of artillery projectiles within 300 meters of the intercoastal waterway. Reference (b) limits the impact of 155mm projectiles and 203mm (eight inch) projectiles 750 meters and 850 meters, respectively, from the howitzer when direct firing.
2. The physical layout of the G-7 range coupled with the firing restrictions imposed by the references prohibit safe direct firing of 203mm projectiles on the near side of the intercoastal waterway. Enclosure (1) further depicts these restrictions. The substitute for direct firing is to "lob" projectiles out to a berm on Brown's Island (3000 meters away) which is not an excellent illustration of direct fire.
3. The combination of restrictions outlined in the references and, inherent gunnery limitations encountered with a significant difference in target altitude, negate direct fire training with the eight inch self-propelled howitzer.
4. Three solutions are proposed:
  - a. Allow direct firing of artillery weapons on the G-6 range. Adequate range exists to have 203mm projectiles impact on the near side of the coastal waterway. A berm will have to be constructed 800-900 meters downrange (South-east of highway 172).
  - b. Construct a berm 900 meters southwest of the G-7 tower so that 203mm projectiles can be fired without ricochet or falling short of a line 850 meters southeast of the G-7 tower. This 850 meter safety line is required by reference (b). The left azimuth limit will need to be adjusted to 2350 mils (130 degrees).
  - c. The least desirable recommendation is to build a berm on Brown's Island. However, this virtually negates direct firing of artillery due to the range involved (approximately 3,000 meters). Distances of this magnitude preclude direct firing.

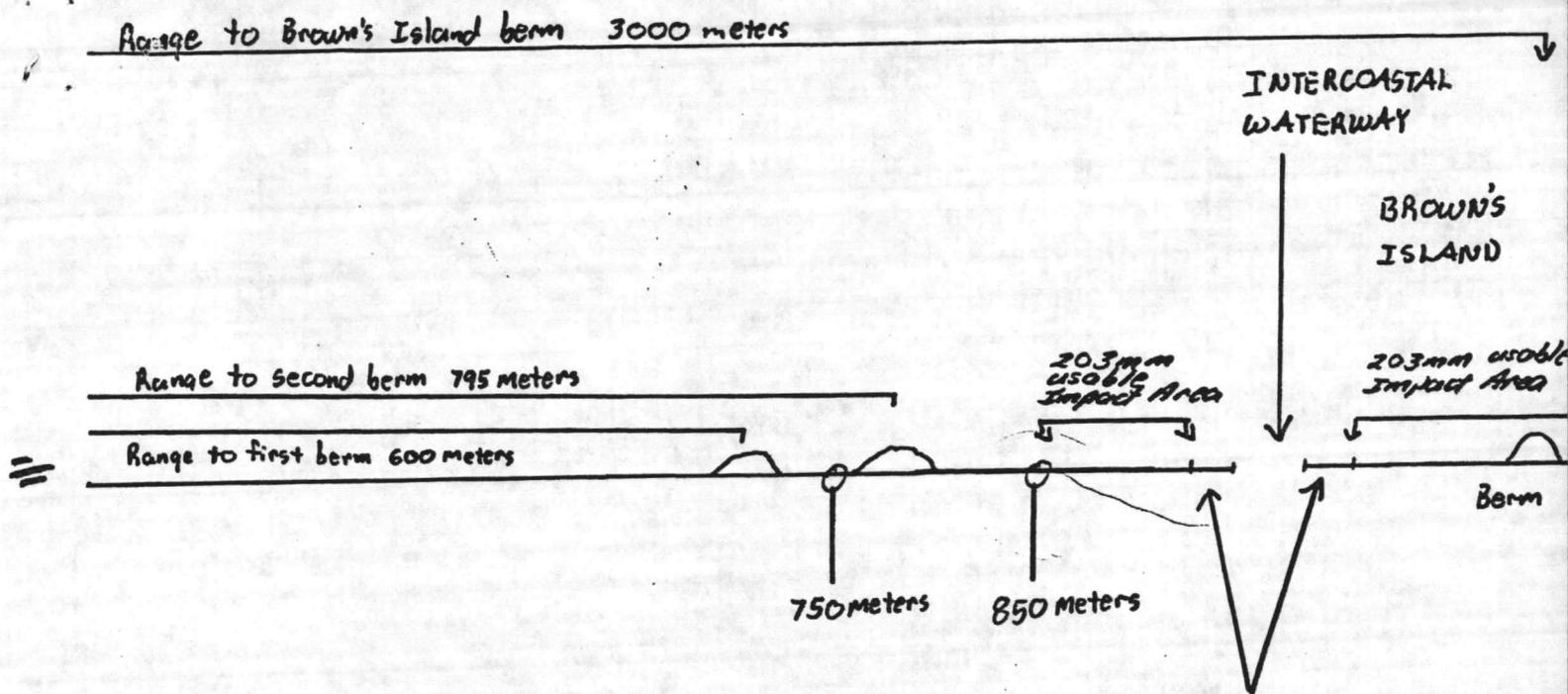


5. The solution outlined in paragraph 4 (a) appears to be the most expedient and feasible and is, therefore, recommended for approval.

6. Although ricochets have occurred with 155mm projectiles, the berm on the G-7 range is adequate for 155mm direct firing. It is requested that targets be placed on the second berm (795 meters) downrange to facilitate a more realistic training environment for direct firing of artillery.

  
C. CATOE





155mm: require 750 meter separation for safety

203mm: require 850 meter separation for safety

(MCO P3570.1A)

300 meter impact restrictions (Base Order P11102.1J)

G-7 Direct firing limitations for 203mm howitzers

Enclosure C)

