



UNITED STATES MARINE CORPS
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542-5001

IN REPLY REFER TO:
11800
BOSM

FEB 10 1987

From: Assistant Chief of Staff, Base Operational Support
Management Assistance

To: Ronnie C. Vick, Base Maintenance Division

Via: (1) Assistant Chief of Staff, Facilities

→ (2) Base Maintenance Officer *BRK 2/11/87*

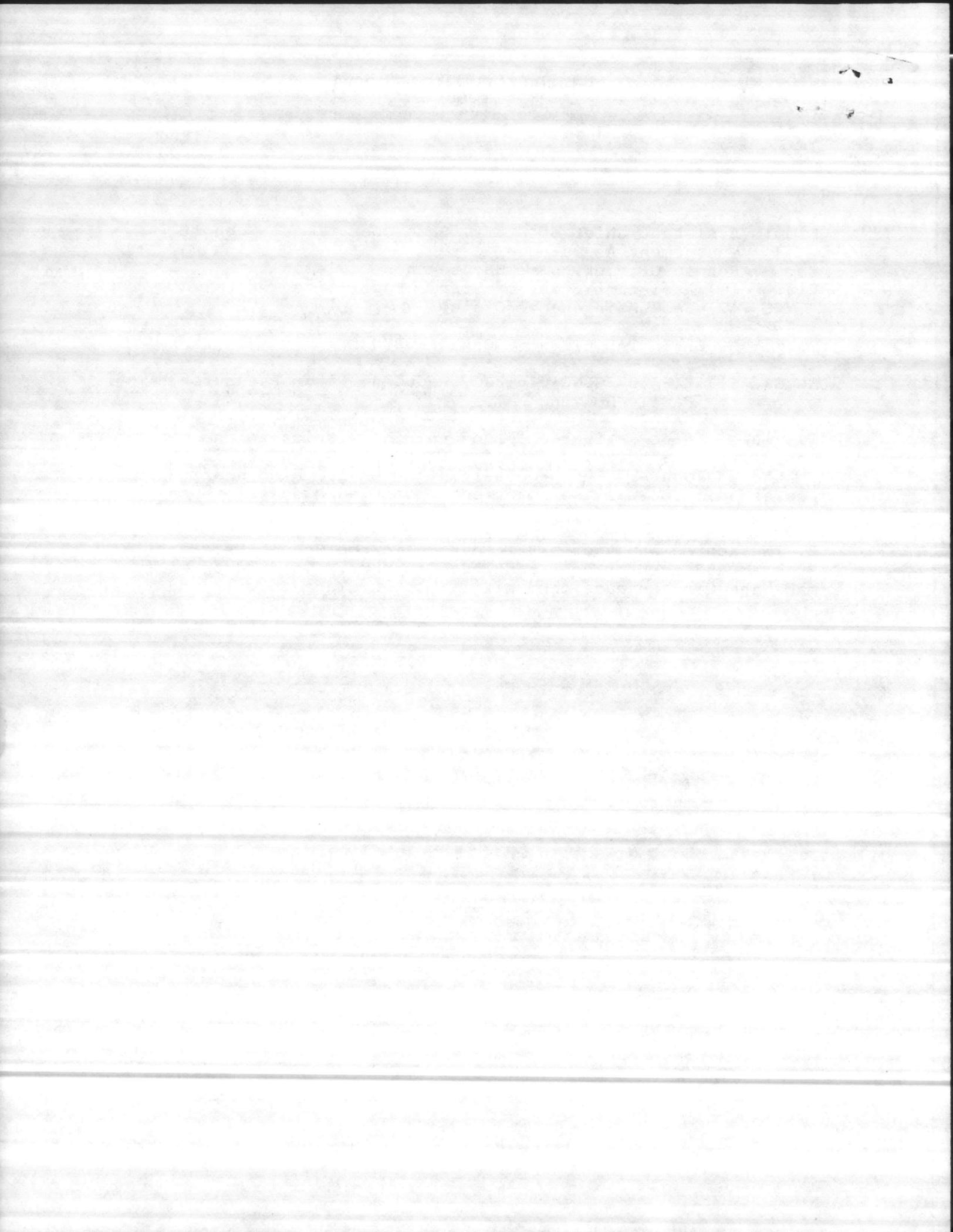
Subj: MODEL INSTALLATION PROGRAM PROPOSAL

Encl: (1) MIP #87-CLNC-046-FAC, Reducing Water Pressure in
Family Housing

1. This office is in receipt of your submission to the Model Installation Program, and has assigned it the number identified in the enclosure. The proposal is currently being staffed and processed. You will be notified as soon as a decision has been made.

2. We appreciate your participation in the Model Installation Program and ask for your continued support. Good ideas will make the Camp Lejeune community a better place to work and live.

H. F. Smith
H. F. SMITH





MODEL INSTALLATION PROGRAM

PROPOSAL

MARINE CORPS BASE
CAMP LEJEUNE



INSTRUCTIONS:

- 1. COMPLETE ALL INFORMATION REQUESTED.
- 2. PLEASE PRINT OR TYPE LEGIBLY.
- 3. USE ADDITIONAL SHEETS IF NECESSARY.
- 4. FORWARD COMPLETED PROPOSAL TO AC/S, BOSMAD, MCB

DO NOT WRITE IN THIS SPACE

DATE RECEIVED

3 Feb 87

TITLE OR SUBJECT OF PROPOSAL

Reducing water pressure in Family Housing

PROPOSAL NUMBER

87-CLNC-046-FAC

NAME, TITLE, GRADE/RANK, UNIT OF SUBMITTER(S)

RONNIE C. VICK WG-11 / BASE MAINTENANCE UTILITIES DIV.

PHONE

451-5988

CURRENT PROCEDURE

The current procedure is to supply potable water to base housing (T.T., Midway Park, Berkeley Manor, Paradise Point) under line pressures averaging 55-60 p.s.i. This water is used for all occupants needs (domestic) watering lawns, washing cars, etc.

PROPOSED PROCEDURE (If a directive/order must be waived to implement proposal-Identify the specific reference.)

Install pressure reducers between main water lines and feeder lines to individual quarters. By lowering pressure to 45 p.s.i. very few if any individuals will ever notice this pressure drop; however, your main lines will still maintain current pressures.

BENEFITS/ADVANTAGES

The Advantage is immediately obvious, by reduced water pressure, water consumption will decrease. Thereby, conserving our precious resource, also future consumption will be reduced; possible future expansion of facilities may be cut back or abandoned.

(WE) UNDERSTAND THAT THE ACCEPTANCE OF A CASH AWARD FOR THE USE OF THIS PROPOSAL BY THE UNITED STATES GOVERNMENT SHALL NOT FORM THE BASIS OF A FURTHER CLAIM OF ANY NATURE UPON THE UNITED STATES BY ME (US), MY (OUR) HEIRS, OR ASSIGNS.

Ronnie C. Vick 3 Feb 87

(SIGNATURE AND DATE)

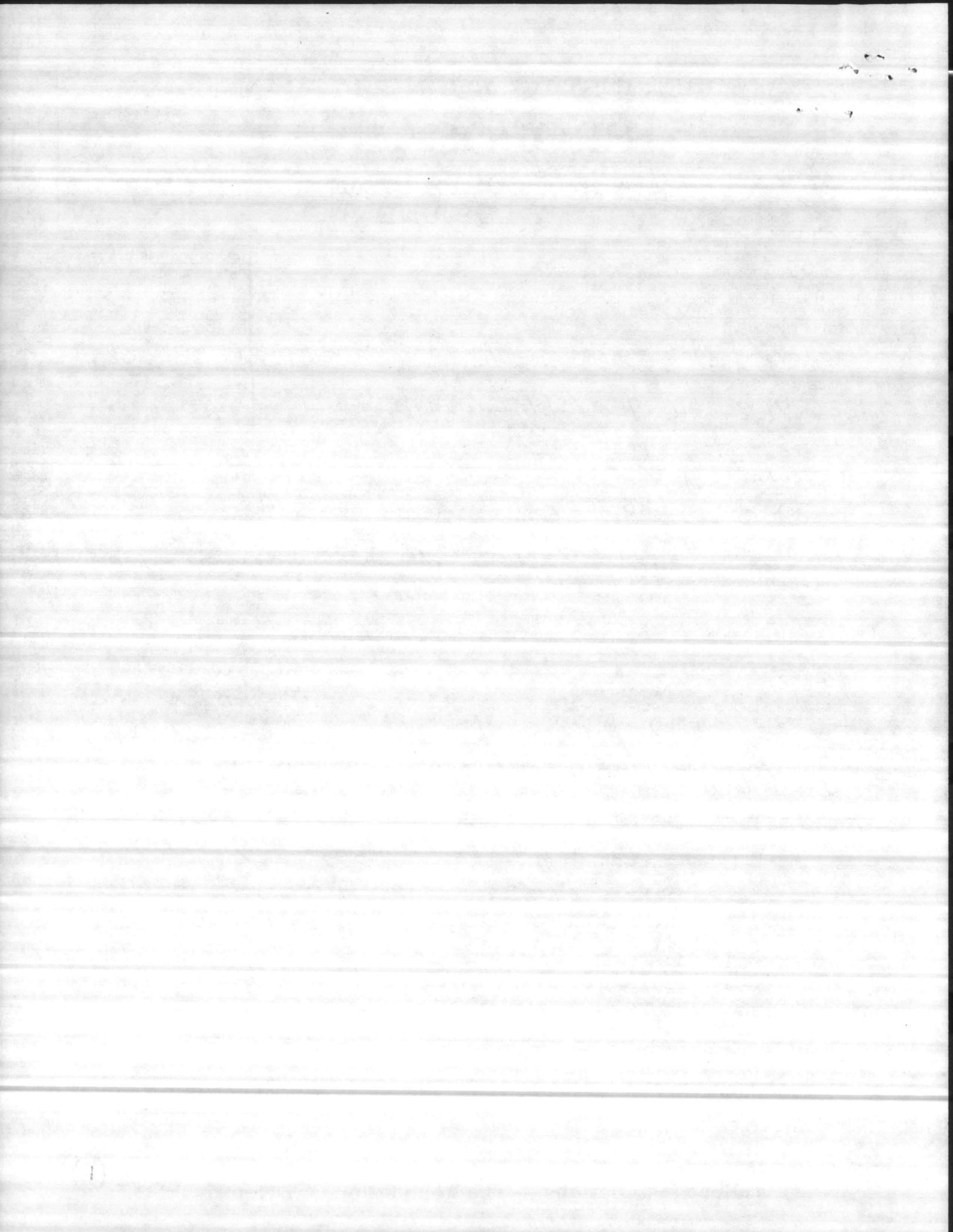
(SIGNATURE AND DATE)

MODEL INSTALLATION PROPOSAL

MCBCL 11800

Excellent Installations — The Foundation Of Defense

ENCL (1)



Memorandum

11800

FAC

DATE: FEB 19 1987

FROM: Assistant Chief of Staff, Facilities, Marine Corps Base, Camp
Lejeune
TO: Base Maintenance Officer

SUBJ: MODEL INSTALLATION PROGRAM PROPOSALS

Ref: (a) AC/S BOSMAD memo 11800 BOSM dtd 10 Feb 87

Encl: (1) MIP #87-CLNC-045-FAC, Hydrostatic Testing of Unfired
Pressure Vessels
(2) MIP #87-CLNC-046-FAC; Reducing Water Pressure in Family
Housing

1. Please review the enclosed MIP proposals in accordance with established procedures and reference (a). Response is requested by 6 March 1987.


K. J. KIRIACOPOULOS
By direction

11800
BOSM

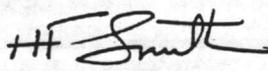
FEB 10 1987

MEMORANDUM

From: Assistant Chief of Staff, Base Operational Support
Management Assistance
To: Assistant Chief of Staff, Facilities
Subj: MODEL INSTALLATION PROGRAM PROPOSAL

Encl: (1) MIP #87-CLNC-045-FAC, Hydrostatic Testing of Unfired
Pressure Vessels
(2) MIP #87-CLNC-046-FAC, Reducing Water Pressure in
Family Housing

1. Enclosures (1) and (2) are forwarded for review and comment. Request recommendation for approval or disapproval be returned to this office with an excerpt from the applicable directive within ten working days from date of receipt. Recommendation for disapproval should be accompanied by a written rationale.
2. This office will forward proposals recommended for approval directly to the Commanding General for decision. Proposals recommended for disapproval will be reviewed by the Model Installation Steering Committee prior to forwarding to the Commanding General.
3. It is recommended that any other Marine Corps Base department that may be affected by the approval or disapproval of the enclosed proposals be contacted during your review.
4. BOSMAD POC is D. Martin, 5521/1577.


H. F. SMITH



MODEL INSTALLATION PROGRAM



PROPOSAL

MARINE CORPS BASE CAMP LEJEUNE

INSTRUCTIONS:

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3 Feb 87

TITLE OR SUBJECT OF PROPOSAL*Reducing water pressure in Family Housing*

PROPOSAL NUMBER

87-CLNC-046 **FAC****NAME, TITLE, GRADE/RANK, UNIT OF SUBMITTER(S)***RONNIE C. VICK WG-11 / BASE MAINTENANCE UTILITIES DIV.*

PHONE

451-5988

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Ronnie C. Vick 3 Feb-87

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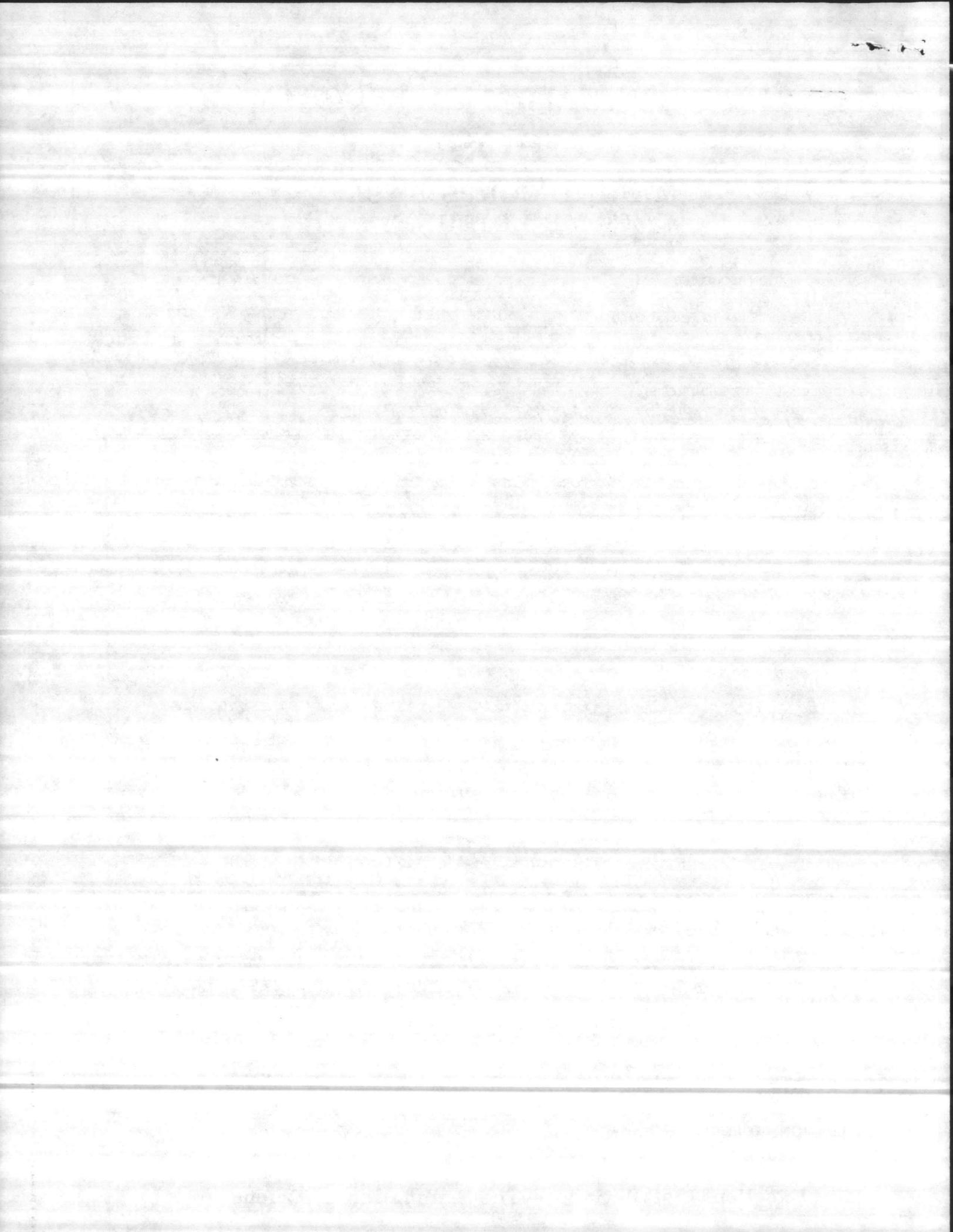
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MODEL INSTALLATION PROPOSAL

MCSL 11800

Excellent Installations — The Foundation Of Defense

ENCL (2)



06 MAR 1987

11800
MAIN

Base Maintenance Officer, Marine Corps Base, Camp Lejeune
Assistant Chief of Staff, Facilities, Marine Corps Base,
Camp Lejeune

MODEL INSTALLATION PROPOSAL (MIP) 87-CLNC-046-FAC, REDUCING
WATER PRESSURE IN FAMILY HOUSING

ReRef: (a) AC/S Fac memo 11800 FAC of 19 Feb 87

1. As requested in the reference, the subject MIP has been reviewed. It is recommended that the proposal be disapproved based on the following findings:

a. The majority of uses for domestic water in housing areas are based on volume. Appliances such as toilets, clothes washers, and dishwashers would take longer to fill at a lower water pressure but would still require the same volume of water to operate. Water savings would be realized when taking showers or washing hands, but the amount of savings would be minimal.

b. Flow reducing shower heads are currently installed in all military family housing units with the proper plumbing. Lowering the water pressure would require these water conservation shower heads to be removed in order to give adequate water flow for showering.

c. Pressure reducing valves (PRV) could not be installed on the main water lines since proper pressure is required for fire hydrants. Consequently, it would be necessary to install a PRV at each housing unit at a cost of \$71/unit for approximately 4,500 military family units. This would cost approximately \$319,500 for installation only.

d. The underground plumbing in housing areas is not consistent throughout Camp Lejeune. Copper, galvanized and PVC piping are used in various areas. In addition, 1", 1.25", 1.5" and 1.75" pipes are located throughout the installation. This would make identification of the PRV required a difficult task since each line would have to be dug up and sized. Maintenance of the valves would make the stocking of all of the varied sizes a necessity to provide proper service.

2. Any questions concerning these findings should be directed to Mr. D. Southerland, extension 5025/5161.

M. G. LILLEY

Writer: P. Engle, Util, X5642
Typist: R. Norris, 5 Mar 87

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

CHICAGO, ILLINOIS

1954

TO THE DIRECTOR OF THE UNIVERSITY OF CHICAGO

FROM THE PHYSICS DEPARTMENT

RE: [Illegible]

Memorandum

11800

FAC

DATE: FEB 19 1987

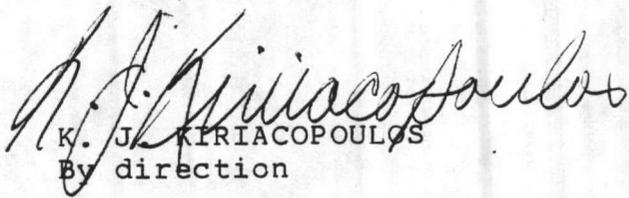
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TO: Base Maintenance Officer

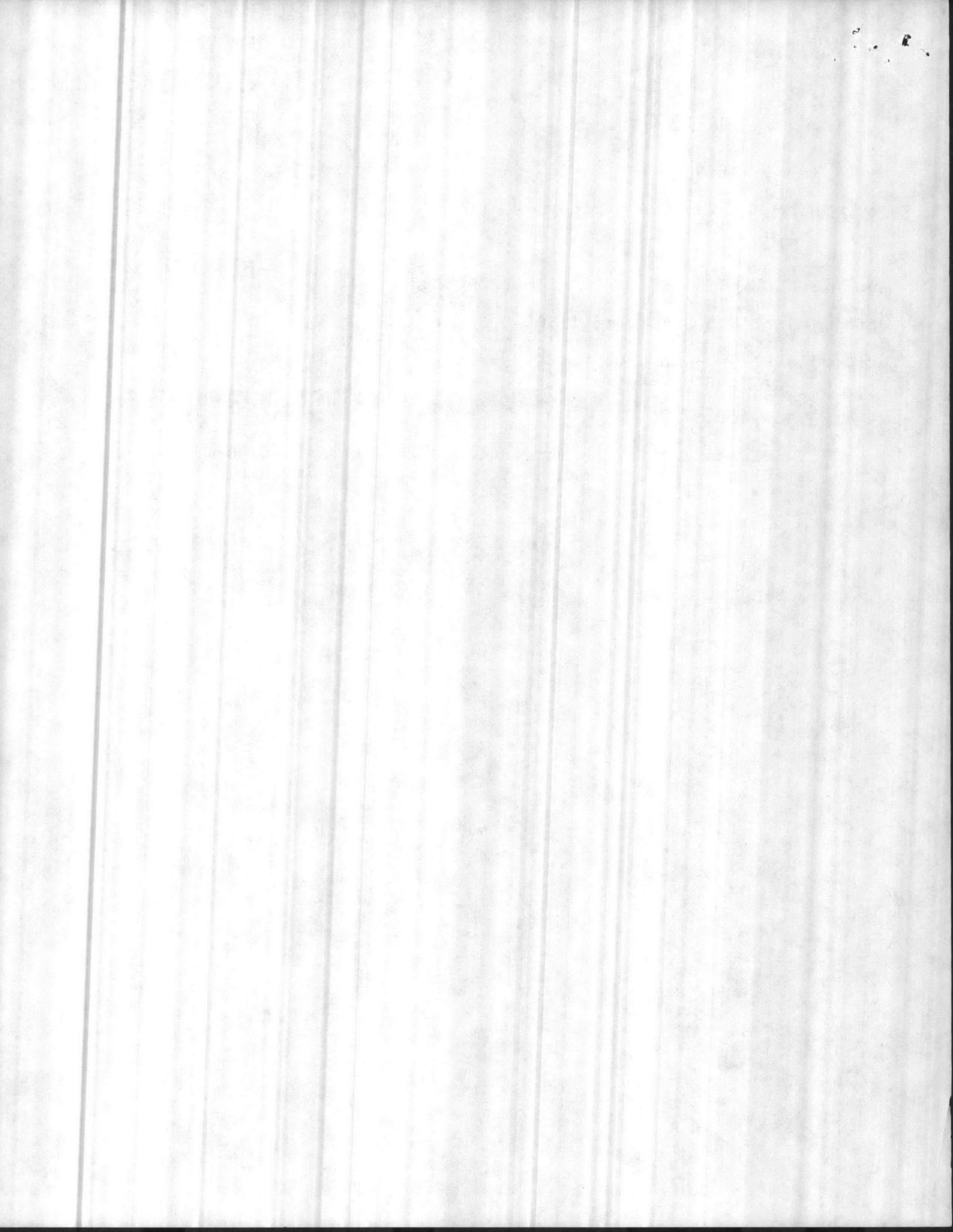
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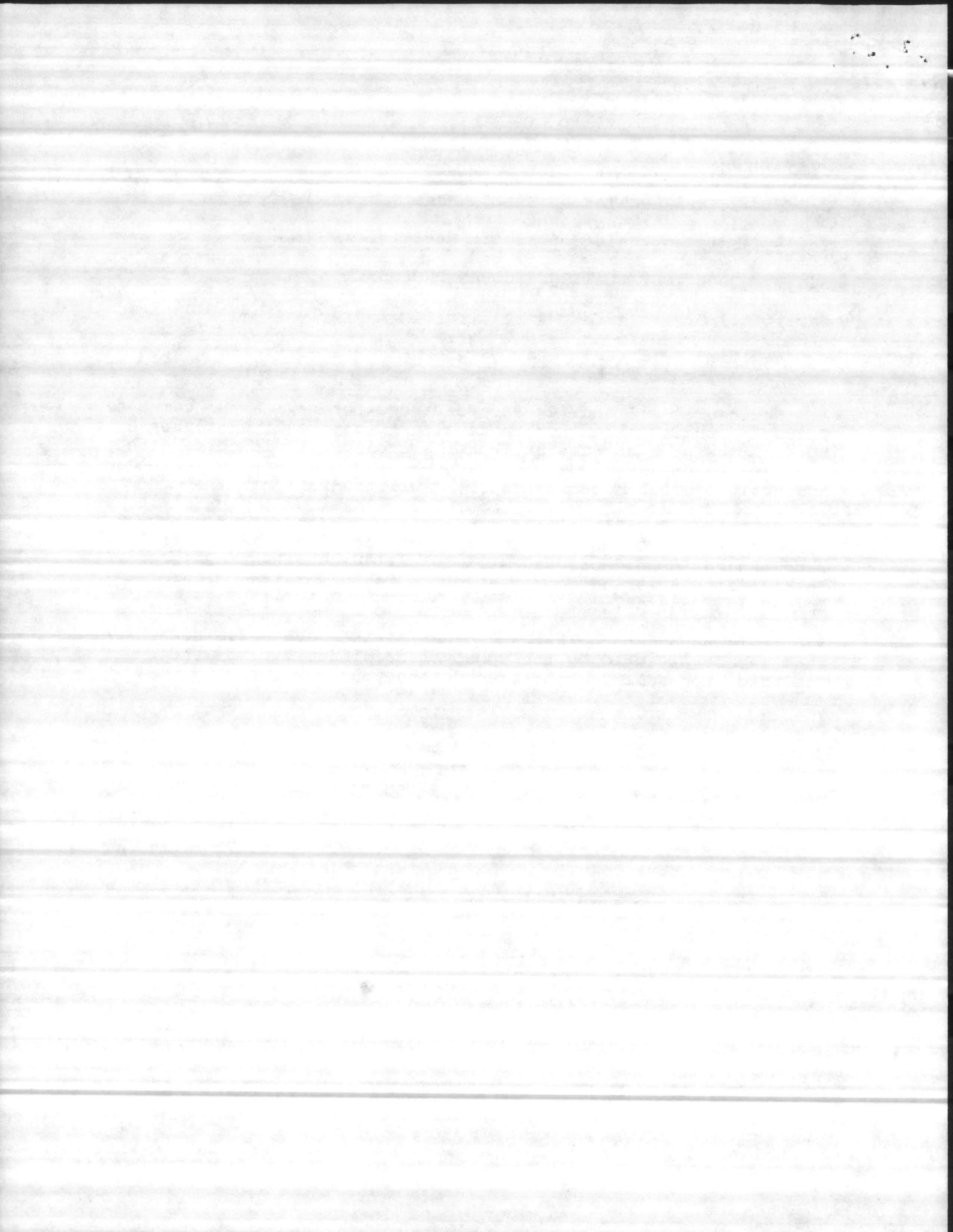
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ENCL (2)

