

DDS
JW
23 Feb 87

Julian I have
Kept copy
sent
Betsy
original



TO: Sup. Chemist
VIA Director
Please Investigate
And Advise of
Corrective Action
required
D Sharpe

Department of Human Resources
of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

February 9, 1987

Danny Sharp
Camp Lejeune
CC MLB Director, NR+Env. Aff.
Camp Lejeune, NC 28542

NOTICE OF DEFICIENCY: Regarding ground-water monitoring wells at Camp LeJeune
Landfill.

Dear Mr. Sharp:

A recent inspection at the above referenced facility indicates the following problems associated with the operation and subsequent maintenance of the existing ground-water monitoring wells.

- 1. Damaged PVC cap.
- 2. Rusted outer casing.

Because these problems significantly influence and affect the integrity and validity of the analytical results, it is of the utmost importance that these deficiencies be corrected as soon as possible. Your prompt attention to this matter is greatly appreciated.

Yours sincerely,

Thomas R. Will

Tom Will, Hydrogeological Technician
Solid & Hazardous Waste Management Branch
Environmental Health Section

TW/mj/6213pg12

cc: M.L. Babuin

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JWW
23 Feb 87



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TW/mj/6213pg12

cc: M.L. Babuin

g/w
Dany DDB Glenée gls
Charles CDP
Peter PEB

JUN 03 1987

11017
DAC

Assistant Chief of Staff, Facilities
Base Maintenance Officer
Public Works Officer

DEMOLITION LANDFILL FOR MONTFORD POINT AREA

- Ref: (a) Phonecon btwn Mr. Alexander and Mr. Terry Dover, N.C. Solid and Hazardous Waste Mgmt Branch of 25 Nov 1986
(b) Environmental Impact Review Board mtg of 18 Nov 1986
(c) N.C. Div of Land Quality ltr dtd 31 Mar 87

1. Request your action to develop supporting information for a demolition landfill permit application to the North Carolina Solid and Hazardous Waste Management Branch. Information required per reference (a) includes:

- a. Site and construction plan;
- b. A description of operating measures;
- c. A list of authorized/prohibited materials being disposed;
and
- d. A sediment control plan for approval by North Carolina Division of Land Quality.
- e. An estimated schedule of borrow pit construction/
demolition landfill operation.

2. This project was conditionally approved during reference (b) to use the borrow pit at Montford Point as a demolition landfill once the borrow pit is fully developed. Reference (c) approved construction of the borrow site. Concerns raised regarding how to control materials being disposed in order to avoid creating a pollution problem should be addressed in paragraph 1.b above.

3. Point of contact is Mr. Alexander, extension 3034.

B. W. ELSTON
By direction

Copy to:
NREAD
EnvEngr

010

Handwritten signatures and notes at the top of the page.

11017
BAC

JUN 0 1987

Assistant Chief of Staff, Facilities
Base Maintenance Officer
Public Works Officer

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- b. A description of operating measures;
- c. A list of authorized/controlled materials being disposed;

and
d. A sediment control plan for approval by North Carolina Division of Land Quality.

e. An estimated schedule of borrow pit construction and demolition landfill operation.

2. This project was conditionally approved during reference (b) to use the borrow pit at Montford Point as a demolition landfill once the borrow pit is fully developed. Reference (c) approved construction of the borrow site. Concerns raised regarding how to control materials being disposed in order to avoid creating a pollution problem should be addressed in paragraph 1.0 above.

3. Point of contact is Mr. Alexander, extension 303A.

B. W. ELLISON
By Direction

Copy to:
RRAD
Savner

fw

ENVIRONMENTAL HEALTH/SANITATION INSPECTION REPORT

NAV HOSP (CLNC) 6240/1A (8-83)

FROM: **Commanding Officer, Naval Hospital, CLNC 28542**

TO: **Base Maintenance Office, MCB, CLNC 28542**

REF: (a) NAVMED P-5010

CDP Acting
[Signature]

1. In accordance with reference (a) an environmental health/sanitation inspection of LANDFILL, FC 19 was conducted on 23 DEC 06 by HN MOJICA. Findings and recommended corrective action are as follows.

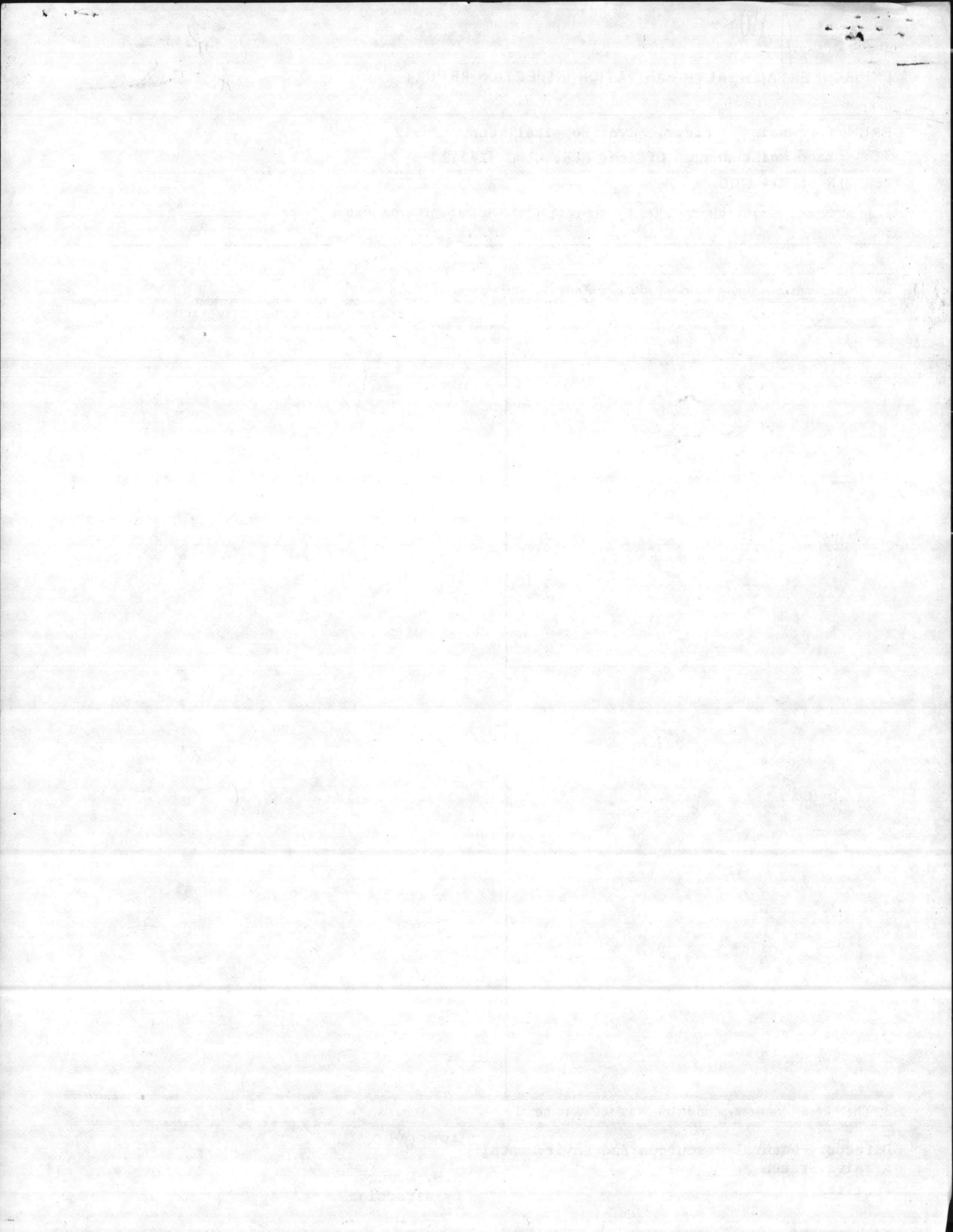
AN * INDICATES THAT THE FINDING HAS BEEN PREVIOUSLY REPORTED.

FINDINGS	RECOMMENDED CORRECTIVE ACTION
<p>NO DISCREPANCIES NOTED AT LANDFILL</p> <p><u>BLDG # FC 19</u></p> <p><u>HEAD-TOILETS</u> NEED DAILY CLEANING. SINK AND URINALS NEED TO BE CLEANED AND FREE OF BUILD-UP.</p> <p><u>SHOWER</u> - SOAP SCUM ACCUMULATION ON DECK, BULKHEAD, CEILING AND CURTAINS. CANNISTERS AND OTHER GEAR NOTED IN SHOWER.</p> <p><u>DECK</u> - GARBAGE NOTED ON DECK WITH ACCUMULATION OF DIRT.</p> <p><u>REFRIGERATOR</u> - DIRTY, ACCUMULATION OF ICE IN FREEZER, LEFTOVER OPEN JUICE CANS AND RUST.</p> <p><u>1/4 HOT PLATE</u> NOTED WITHOUT INSPECTION STICKER FROM F.D. DIRT BUILD-UP.</p> <p><u>ELECTRICAL WIRE</u> OVER SHOWER.</p> <p><u>SEPTIC TANK</u> UNCOVERED.</p> <p><u>FIRE EXTINGUISHER</u> NEEDS INSPECTION STICKER. PRESENTLY STICKER ABSENT.</p> <p><i>Miguel A. Mojica HN/USN PMU</i></p>	<p>FIELD-DAY!</p> <p>- DEFROST FREEZER. DISCARD LEFTOVER JUICES FIELD DAY AND SANITIZED.</p> <p>- HOTPLATE NEEDS TO BE TAKEN TO F.D. TO GET INSPECTED. NEEDS TO BE FIELD DAY.</p> <p>- REMOVE WIRE OR PLACE AWAY FROM AREA WHERE THERE IS RUNNING WATER.</p> <p>- HAVE FIRE EXTINGUISHER RE-INSPECTED.</p> <p><i>Phillip M. Gentry</i></p>

2. The overall sanitary condition was found to be: UNSATISFACTORY AT BLDG FC 19

Copy to:
Director, Natural Resources and Environmental Affairs Branch Facility

APPROVED:
[Signature]
M.P. Gentry
By direction



11330/3
NREAD
19 Mar 87

From: Director, Natural Resources and Environmental Affairs
Division, Marine Corps Base, Camp Lejeune
To: Base Maintenance Officer, Marine Corps Base, Camp Lejeune
Subj: LANDFILL INSPECTION BY DIVISION OF HEALTH SERVICE OF
17 MAR 87
Encl: (1) DHS Form 1709 dated 17 Mar 87

1. The enclosure was provided by DHS during the subject inspections. DHS representatives were satisfied with the operation, but pointed out the need for stabilization (planting of permanent grasses) on acres of exposed soil which are not involved in active grading and filling. Point of contact is Mr. Danny Sharpe, extension 2083.

J. I. WOOTEN

DSS
Encl

11330
NRAD
1

Division of Health and Environmental Control
Division of Health and Environmental Control

X
11330

Division of Health and Environmental Control
Division of Health and Environmental Control

11330

Good WEATHER CONDITIONS

C. DEPARTMENT OF HUMAN RESOURCE
DIVISION OF HEALTH SERVICES
INSPECTION FOR SANITARY LANDFILLS

67-03
PERMIT NUMBER

NAME OF SITE <i>Marine Corps Camp LeJeune</i>	COUNTY <i>Onslow</i>
LOCATION <i>Swood Ferry Rd.</i>	SIGNATURE OF PERSON(S) RECEIVING REPORT <i>[Signature]</i>

SIR: AN INSPECTION OF YOUR LAND DISPOSAL SITE HAS BEEN MADE THIS DATE AND YOU ARE NOTIFIED OF THE VIOLATIONS, IF ANY, MARKED BELOW WITH A CROSS (X).

- (1) PLAN AND PERMIT REQUIREMENTS
 - (a) Construction plans shall be approved and followed.
 - (b) Specified monitoring and reporting requirements shall be met.
- (2) SPREADING AND COMPACTING REQUIREMENTS
 - (a) Solid waste shall be restricted into the smallest area feasible.
 - (b) Solid waste shall be compacted as densely as practical into cells.
- (3) COVER REQUIREMENTS
 - (a) Solid waste shall be covered after each day of operation, with a compacted layer of at least six inches of suitable cover or as specified by the division.
 - (b) Areas which will not have additional wastes placed on them for 12 months or more shall be covered with a minimum of one foot of intermediate cover.
 - (c) After final termination of disposal operations at the site or a major part thereof or upon revocation of a permit, the area shall be covered with at least two feet of suitable compacted earth.
- (4) EROSION CONTROL REQUIREMENTS
 - (a) Adequate erosion control measures shall be practiced to prevent silt from leaving the site.
 - (b) Adequate erosion control measures shall be practiced to prevent excessive on-site erosion.
- (5) DRAINAGE CONTROL REQUIREMENTS
 - (a) Surface water shall be diverted from the operational area.
 - (b) Surface water shall not be impounded over or in waste.
 - (c) Completed areas shall be adequately sloped to allow surface water runoff in a controlled manner.
- (6) VEGETATION REQUIREMENTS
 - (a) Within six months after final termination of disposal operations at the site on a major part thereof or upon revocation of a permit, the area shall be stabilized with native grasses.
 - (b) Temporary seeding will be utilized as necessary to stabilize the site.
- (7) WATER PROTECTION REQUIREMENTS
 - (a) The separation distance of four (4) feet between waste and water table shall be maintained unless otherwise specified by the division in the permit.
 - (b) Solid waste shall not be disposed of in water.
 - (c) Leachate shall be contained on site or properly treated prior to discharge. An NPDES permit may be required prior to the discharge of leachate to surface waters.
- (8) ACCESS AND SECURITY REQUIREMENTS
 - (a) The site shall be adequately secured by means of gates, chains, berms, fences, and other security measures approved by the division, to prevent unauthorized entry.
 - (b) An attendant shall be on duty at the site at all times while it is open for public use to ensure compliance with operational requirements.
 - (c) The access road to the site shall be of all-weather construction and maintained in good condition.
 - (d) Dust control measures shall be implemented where necessary.
- (9) SIGN REQUIREMENTS
 - (a) Signs providing information on dumping procedures, the hours during which the site is open for public use, the permit number and other pertinent information shall be posted at the site entrance.
 - (b) Signs shall be posted stating that no hazardous or liquid waste can be received without written permission from the division.
 - (c) Traffic signs or markers shall be provided as necessary to promote an orderly traffic pattern to and from the discharge area and to maintain efficient operating conditions.
- (10) SAFETY REQUIREMENTS
 - (a) Open burning of solid waste is prohibited.
 - (b) Equipment shall be provided to control accidental fires or arrangements shall be made with the local fire protection agency to immediately provide fire-fighting services when needed.
 - (c) Fires that occur at a sanitary landfill shall be reported to the division within 24 hours and a written notification shall be submitted within 15 days.
 - (d) The removal of solid waste from a sanitary landfill is prohibited unless the owner/operator approves and the removal is not performed on the working face.
 - (e) Barrels and drums shall not be disposed of unless they are empty and perforated sufficiently to ensure that no liquid or hazardous waste is contained therein.
- (11) WASTE ACCEPTANCE AND DISPOSAL REQUIREMENTS
 - (a) A site shall only accept those solid wastes which it is permitted to receive.
 - (b) No hazardous, liquid, or infectious waste shall be accepted or disposed of in a sanitary landfill except as may be approved by the division.
 - (c) Spoiled foods, animal carcasses, abattoir waste, hatchery waste, and other animal waste delivered to the disposal site shall be covered immediately.
 - (d) Asbestos waste that is packaged in accordance with 40 CFR 61, as amended through January 1, 1985, may be disposed of separate and apart from other solid wastes at the bottom of the working face or in an area not contiguous with other disposal areas, in either case, in virgin soil. Separate areas shall be clearly marked so that asbestos is not exposed by future land-disturbing activities. The waste shall be covered immediately with soil in a manner that will not cause airborne conditions. Copies of 40 CFR 61 may be obtained and inspected at the Solid and Hazardous Waste Management Branch, Division of Health Services, P. O. Box 2091, Raleigh, NC, 27602.
- (12) MISCELLANEOUS REQUIREMENTS
 - (a) Effective vector control measures shall be applied to control flies, rodents, and other insects or vermin when necessary.
 - (b) Appropriate methods such as fencing and diking shall be provided within the area to confine solid waste subject to be blown by the wind. At the conclusion of each day of operation, all windblown material resulting from the operation shall be collected and returned to the area by the owner or operator.

REMARKS: Landfill in very good condition. Need to stabilize any finished areas during spring.

DATE: 3-17-87 NAME: Bill W. Martin
Solid and Hazardous Waste Management Branch

Purpose: G.S. 130A-294 requires that an inspection program be established for the operation of solid waste management facilities on a statewide basis. The N.C. Solid Waste Management Rules codified 10 NCAC 10G, Section .0505 list specific operational requirements which must be followed by sanitary landfills.

Preparation: Solid and Hazardous Waste Branch personnel shall complete the inspection form each time they conduct an official inspection. The form shall be signed by the person(s) receiving the report.

- Distribution:**
1. White copy to Raleigh office
 2. Yellow copy to facility
 3. Green copy to preparer

Disposition: This form may be destroyed in accordance with Standard 7, Inspection Records, of the Records Disposition Schedule published by the N.C. Division of Archives and History.

Order additional forms from:

Solid and Hazardous Waste Management Branch
Division of Health Services
P. O. Box 2091
Raleigh, NC 27602-2091

DLW
Davy DDS
Marty MM

6280/5
FWO
MAR 03 1987

Mr. Gerald Kraynak
Regional Engineer
NC Division of Land Quality
7225 Wrightsville Avenue
Wilmington, NC 23408-3696

Re: Sedimentation Control Plan, Montford Point Borrow Pit

Dear Mr. Kraynak:

In accordance with NC Admin Code 4B .0001-.0023, we are forwarding the subject plan. As described herein, the proposed borrow pit is an essential component of the ongoing Military Construction Program at Camp Lejeune.

Construction and operation of the borrow pit and access road has been designed to control all sedimentation within the site boundaries. We request your review and approval of this plan, along with any guidance which you feel will improve sediment control.

Mr. Bob Alexander, Marine Corps Base, Environmental Engineer, 919-451-3034 will provide any further information you may desire.

Sincerely,

T. J. DALZELL
Colonel, U. S. Marine Corps
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Encl:
(1) Sediment Control Plan

Copy to:
ROICC, JAX Area

Blind copy to:
EMO
NREAD
EnvEngr

1941 10 24

SEDIMENTATION CONTROL PLAN
FOR
CAMP JOHNSON BORROW PIT

MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

PREPARED BY CIVIL SECTION, PUBLIC WORKS DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA

APPROVED BY: _____

EROSION CONTROL PLAN FOR CAMP JOHNSON BORROW PIT

1. Description of Proposed Work: In support of future construction projects at Camp Johnson, a new borrow pit location and access road have been sited as indicated on enclosure (1). The borrow pit area and portions of the proposed access road will require clearing approximately eight acres of merchantable timber. Natural Resources and Environmental Affairs Division has been notified and a contract to harvest this timber is being developed. The construction of the access road and borrow area is anticipated to be accomplished by contract during FY-87. After the removal of merchantable timber, the contractor will be required to remove any existing trees and stumps and stockpile this material in the borrow area to be used in constructing a berm to contain on site run-off. The work will also include upgrading existing dirt roads to the cross section required to accommodate large construction vehicles, providing a stone surface course and installing additional culverts, as required for adequate drainage. When the borrow pit has reached its maximum depth, asphalt and concrete rubble is recommended to be disposed of at the same site. Disposal of rubble will be handled by separate permit at a later date.

2. Description of Project Area: Enclosure (1) indicates the new borrow area. The site has been investigated and was selected because of the characteristics of the soil encountered. Preliminary investigation indicates suitable material for construction purposes and because of existing topography can be removed without impacting existing water sheds. The soil is predominately Baymeade fine sand with Craven fine sandy loam around the perimeter.

3. Erosion Control Methods: Erosion will be controlled in the borrow pit and access road area using the following methods:

a. Sediment Pond. A sediment pond will be constructed in the center of the borrow pit as there will be no discharge from the sediment pond and actual construction of the pond will occur as fill material is removed from the borrow pit.

b. Silt Fence. Silt fences will be constructed at the toe of the berm around the borrow pit and along the new access road if necessary to control sediment.

c. Revegetation of Exposed Areas. Immediately after completion of land disturbing activity in an area, fertilization, liming and seeding will take place. The areas to be vegetated shall be prepared by loosening the soil to a depth of four inches, application of ground dolomite agricultural limestone at a rate of 40 pounds per 1000 square feet, application of standard commercial fertilizer of 10-10-10 analysis at a rate of 35 pounds per 1000 square feet, and sowing of a seed mixture containing 55 percent KY-31 fescue, 25 percent annual ryegrass, and 20 percent unhulled Bermuda at a rate of one-half pound per 100 square feet

Enclosure (2) indicates the clearing limits of the borrow pit, the proposed berming of existing material, and the location of the sediment pond to contain site run-off in the borrow area. Also indicated is the proposed construction of silt fences to be utilized where necessary.

4. Work Sequence:

a. All merchantable timber will be removed from the borrow area and portions of the access road.

b. New culverts will be installed if required and the new portion of the access road will be constructed. See enclosure (3).

c. The existing dirt road will be improved and all affected areas of the access route will be seeded to establish vegetation.

d. The borrow pit will be grubbed of existing stumps and small trees and a berm constructed of this material around the site to contain all run-off. See enclosure (3).

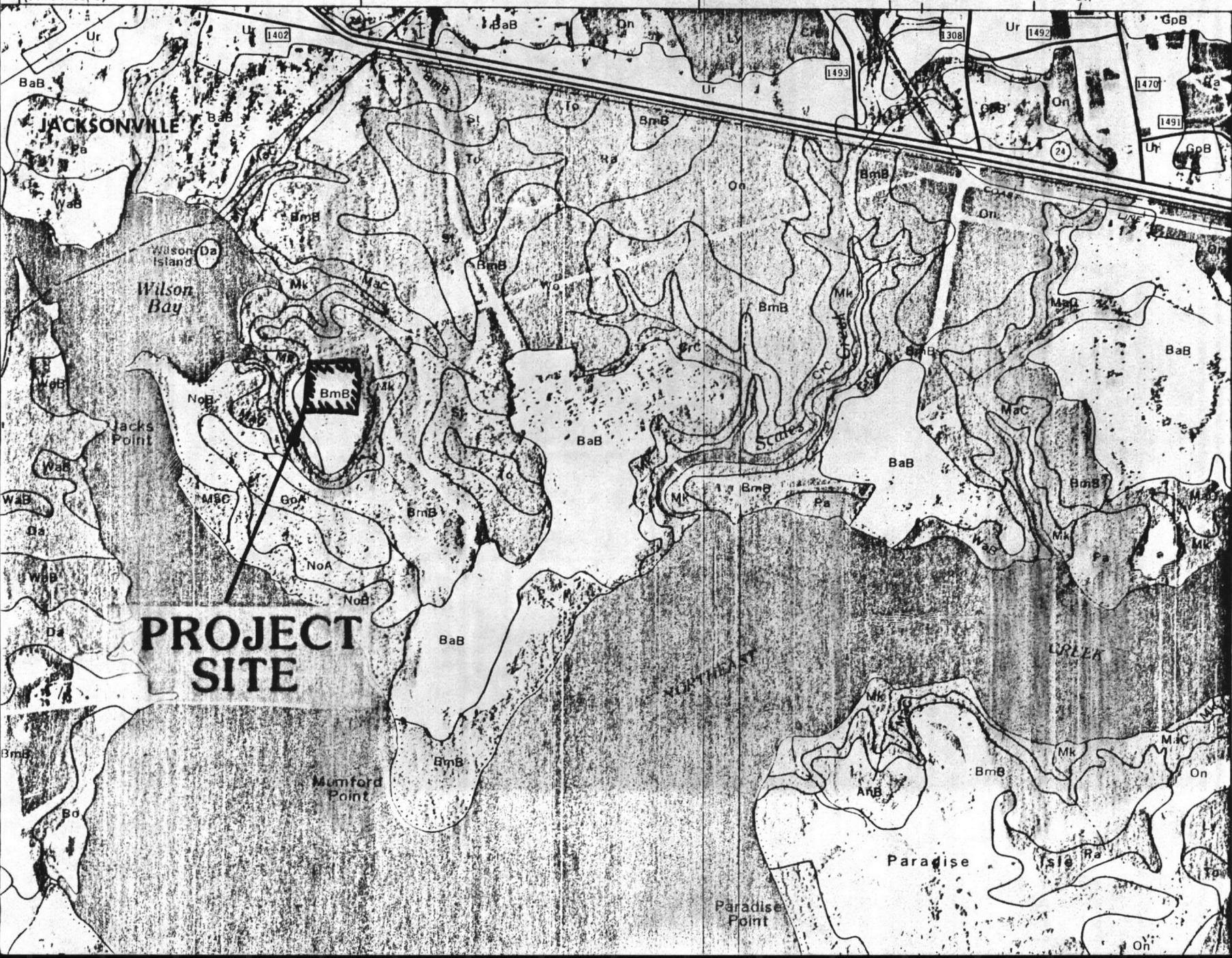
e. A sediment pond will be constructed in the center of the borrow area to contain storm water and local sediment. See enclosure (2) and (3).

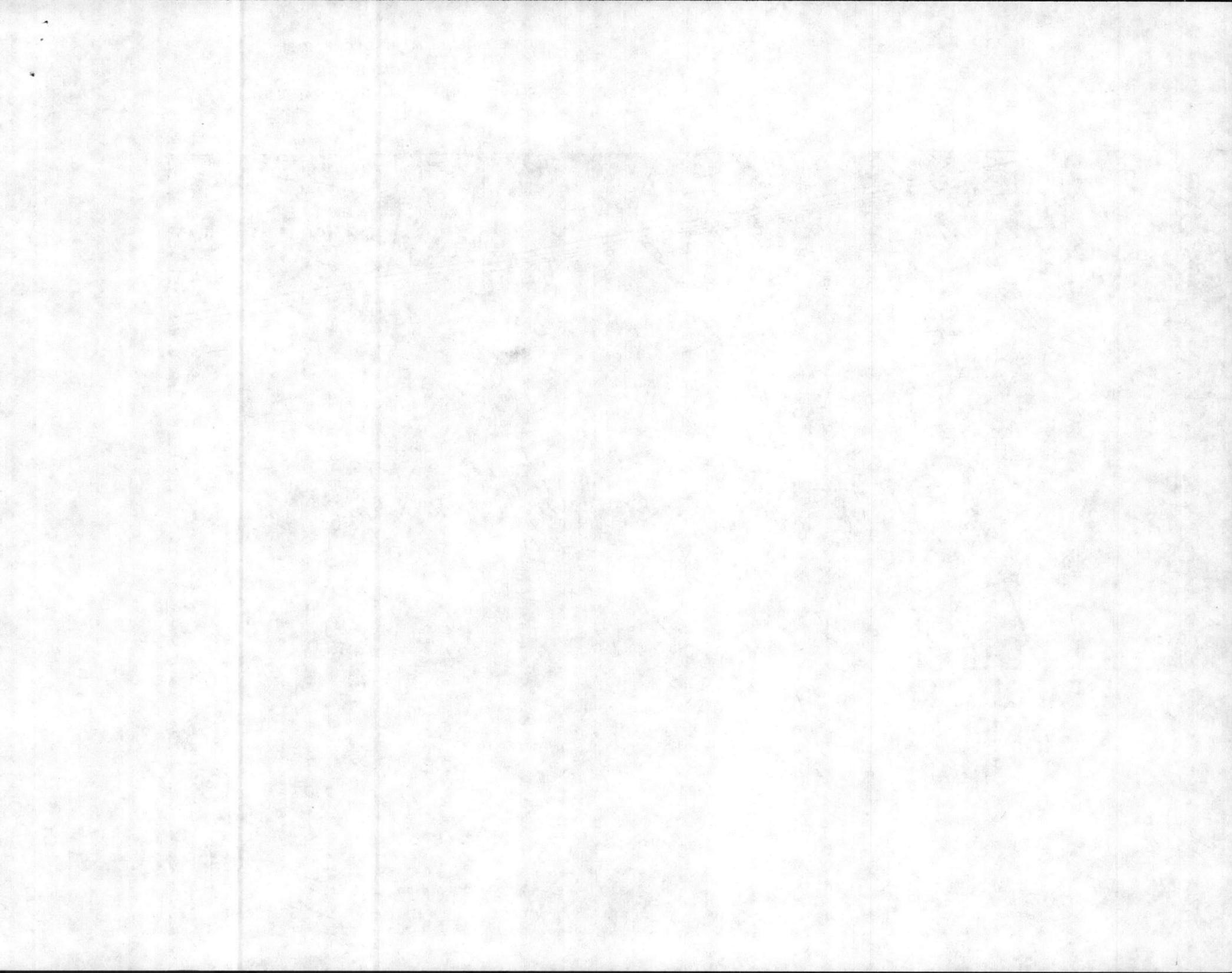
5. Borrow Pit Operation and Maintenance: The borrow pit will be made available to contractors when fill material is required by the contract. Dumping of refuse will not be permitted and contractors will be required to dress and revegetate disturbed areas upon completion of projects.

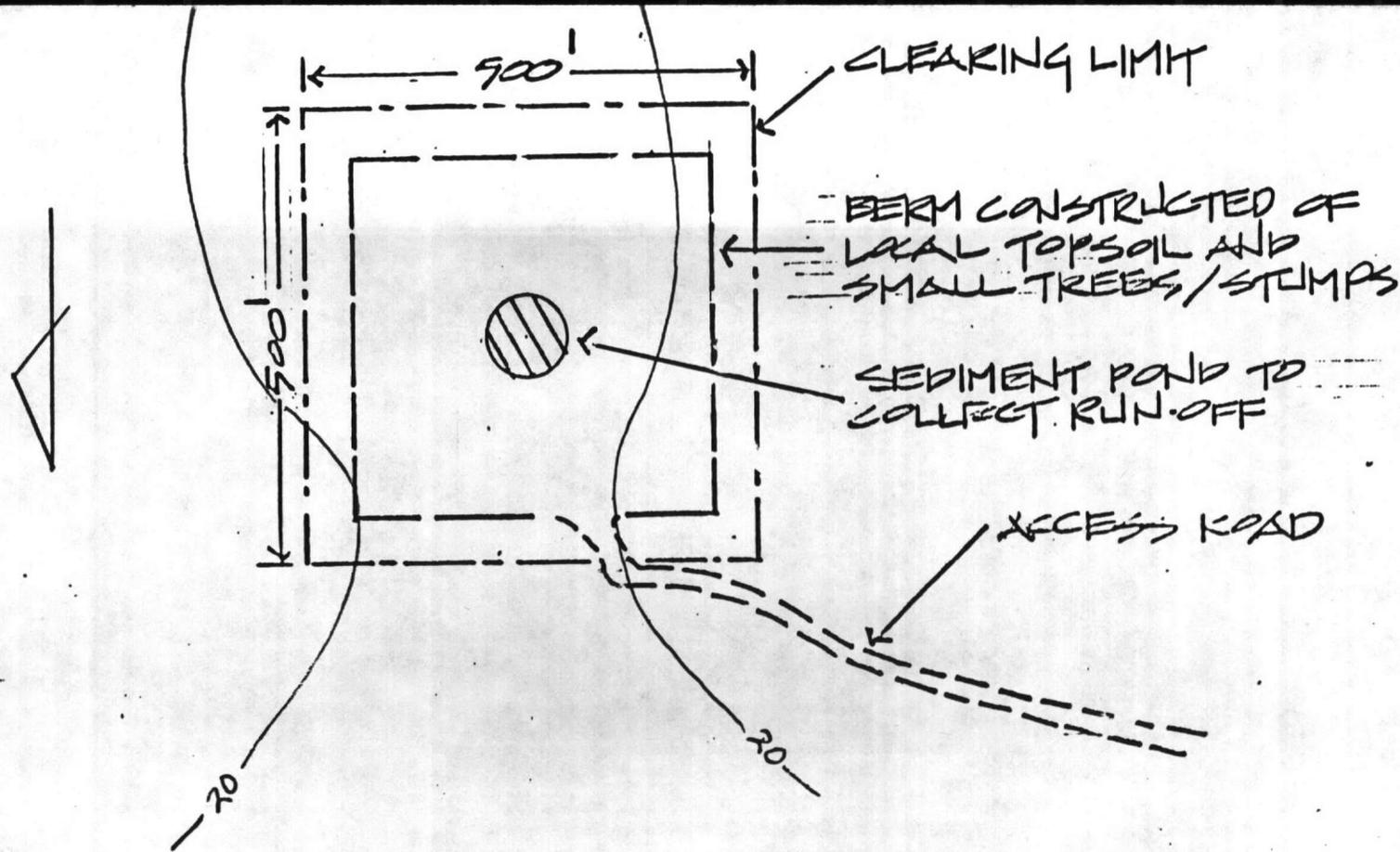
CAMP LEJEUNE MARINE CORPS BASE
SHEET NUMBER 1
ONslow COUNTY, NORTH CAROLINA

(Joins sheet 6)

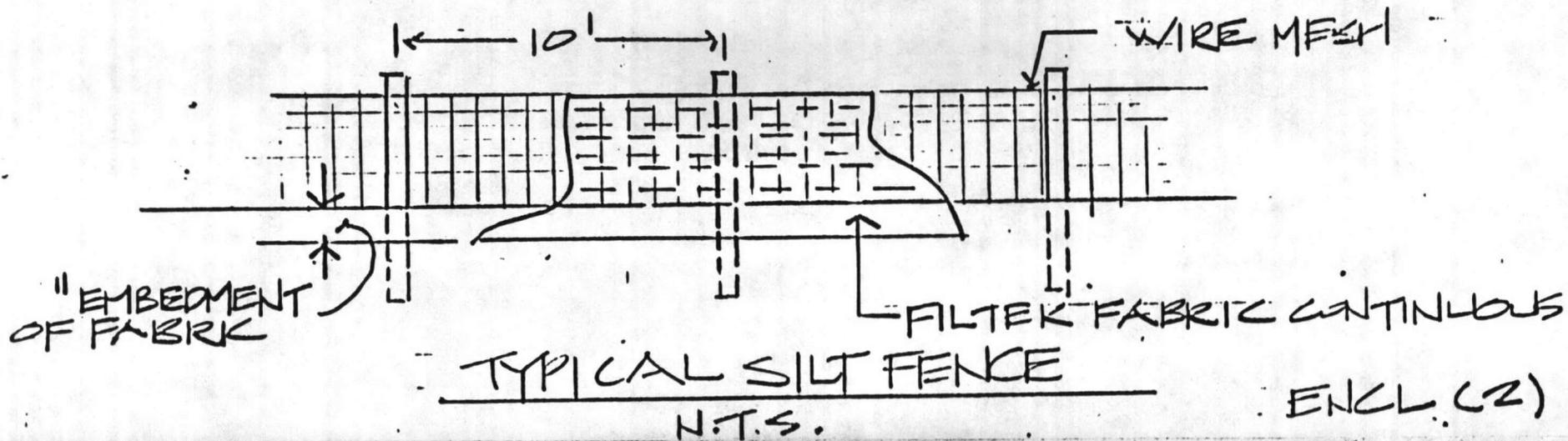
77°22'30"
34°45'00"



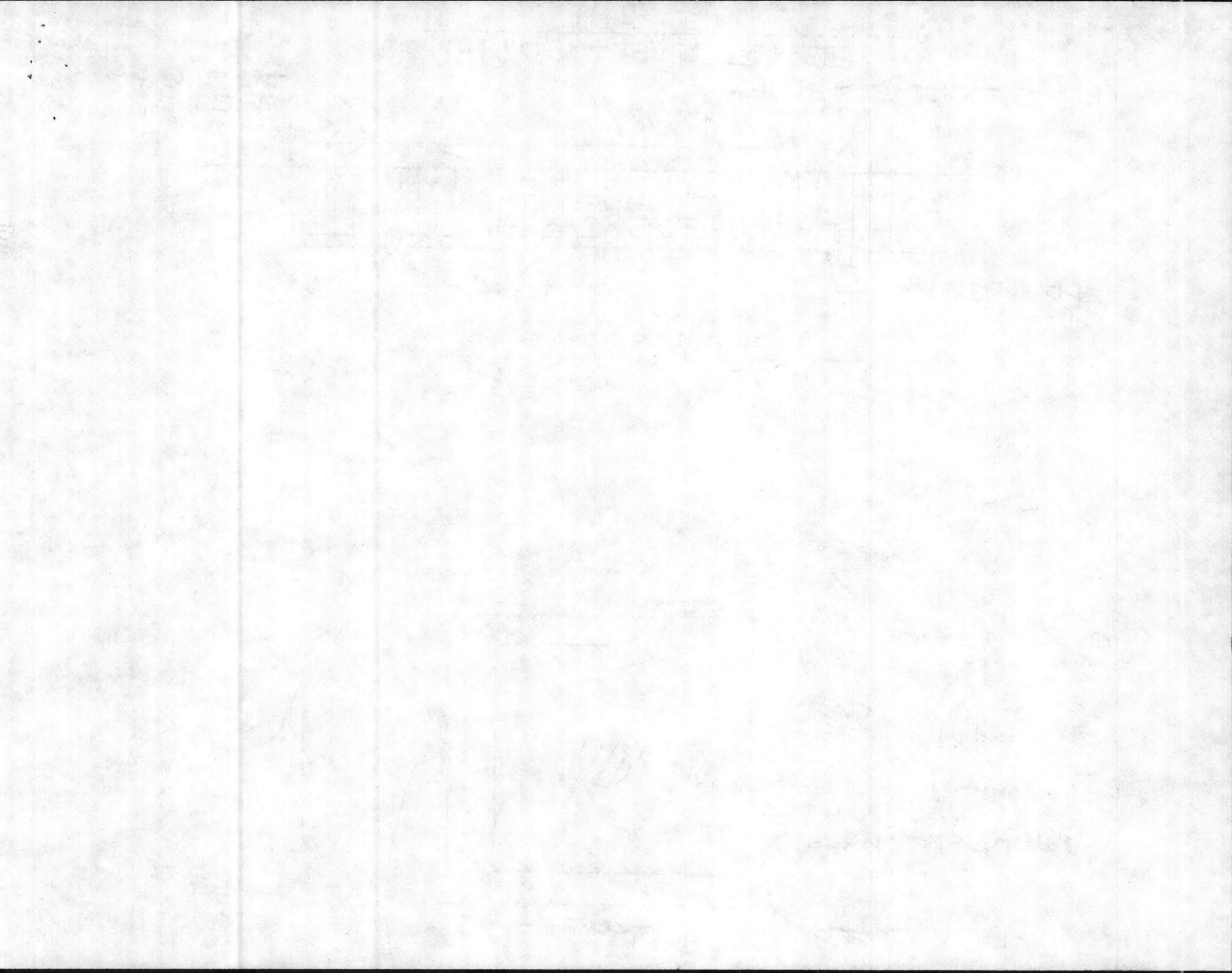




PARTIAL PLAN
SCALE = 1" = 200'



ENCL. (2)



HYDRAULIC RADIUS $r_h = \frac{\text{area in flow}}{\text{wetted perimeter}}$

$$A = \frac{1}{2} b^2$$

$$= \frac{1}{2} (1.5' \times 8.5')$$

$$= 6.4 \text{ sq ft}$$

$$r_h = \frac{6.4}{9}$$

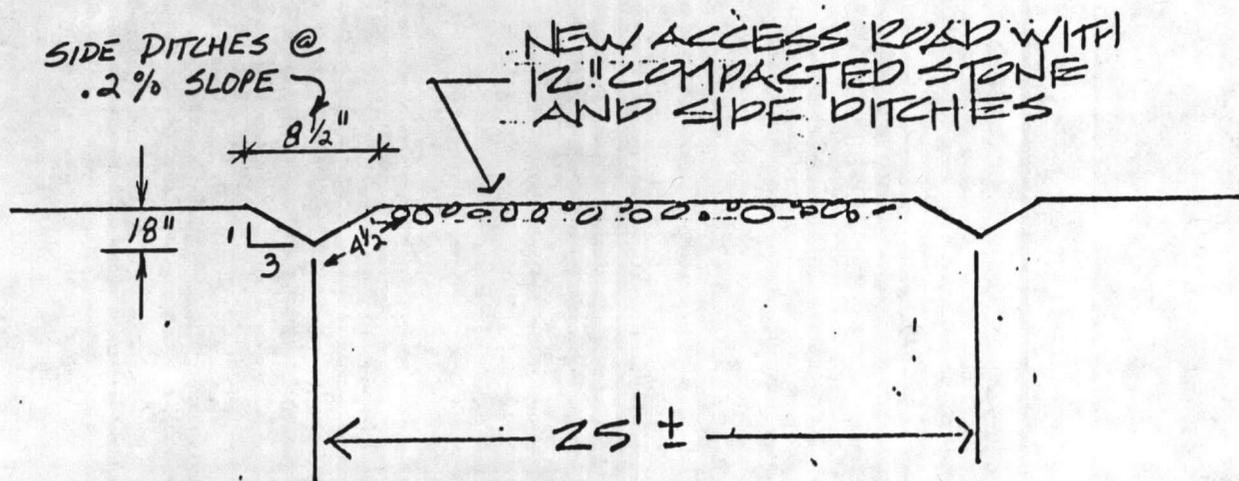
$$= .71$$

$$P_w = 25$$

$$= 2(9.5)$$

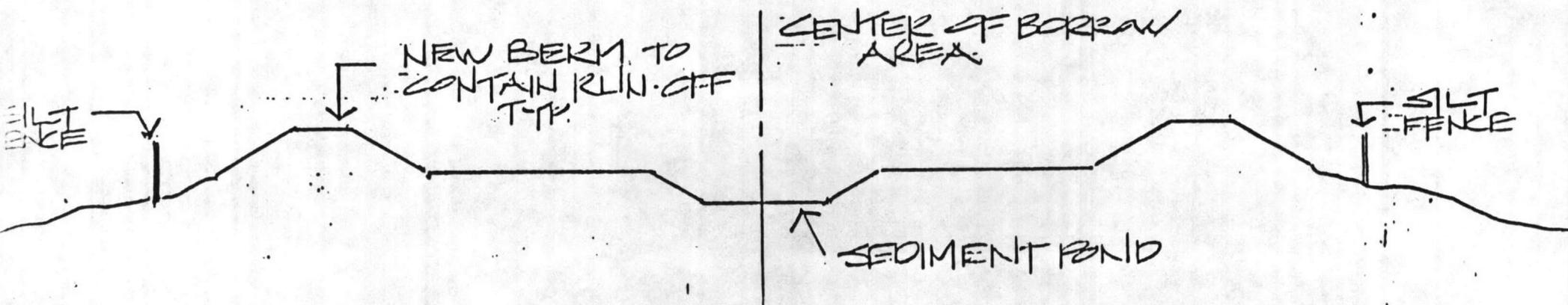
$$= 19 \text{ ft}$$

FROM FIGURE 3.11C
(ATTACHED), MAX.
VELOCITY IN DITCH
IS 1.7 FPS



TYPICAL CROSS SECTION OF NEW ACCESS RD.

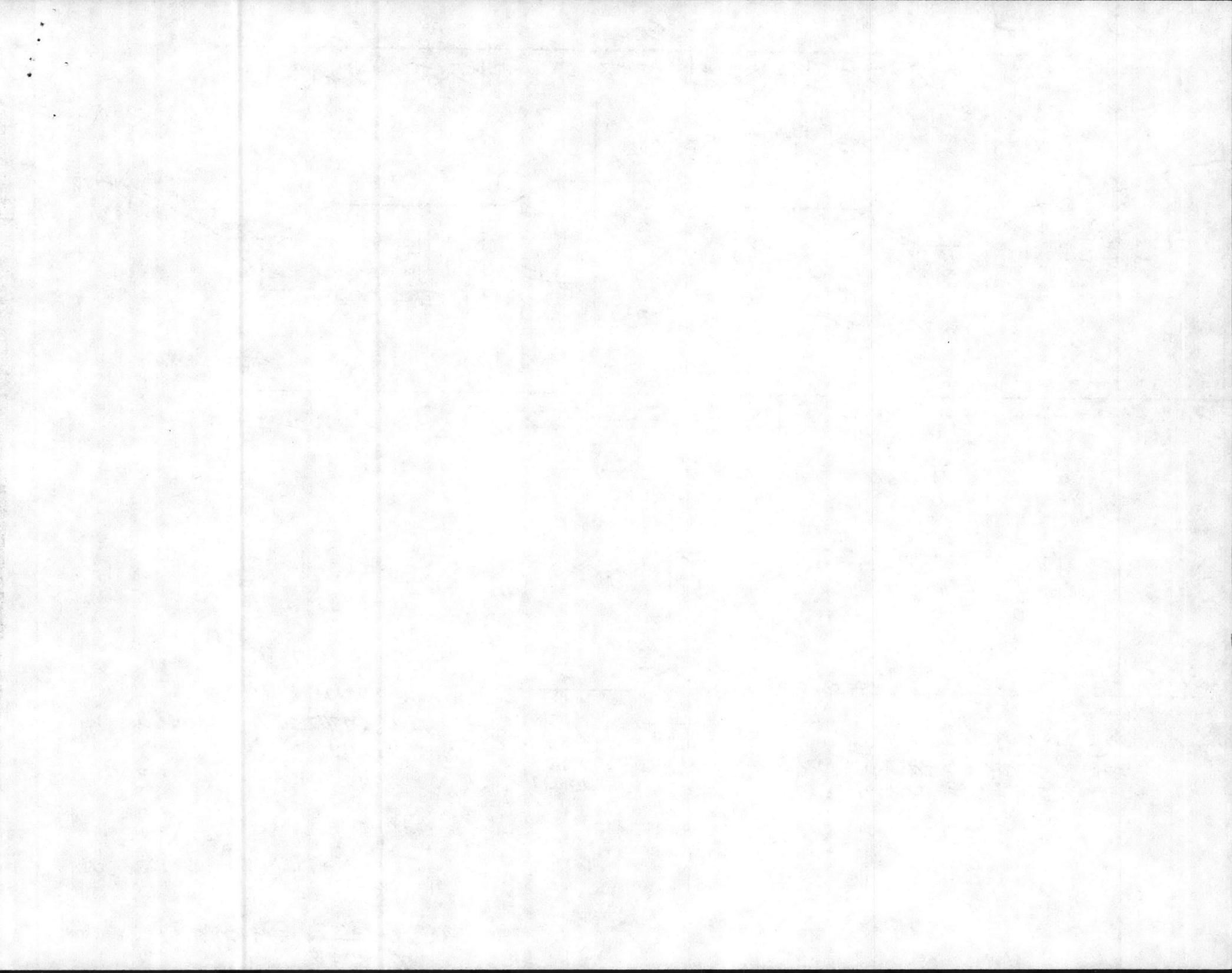
N.T.S.



TYPICAL CROSS SECTION - BORROW PIT

N.T.S.

ENCL (3)



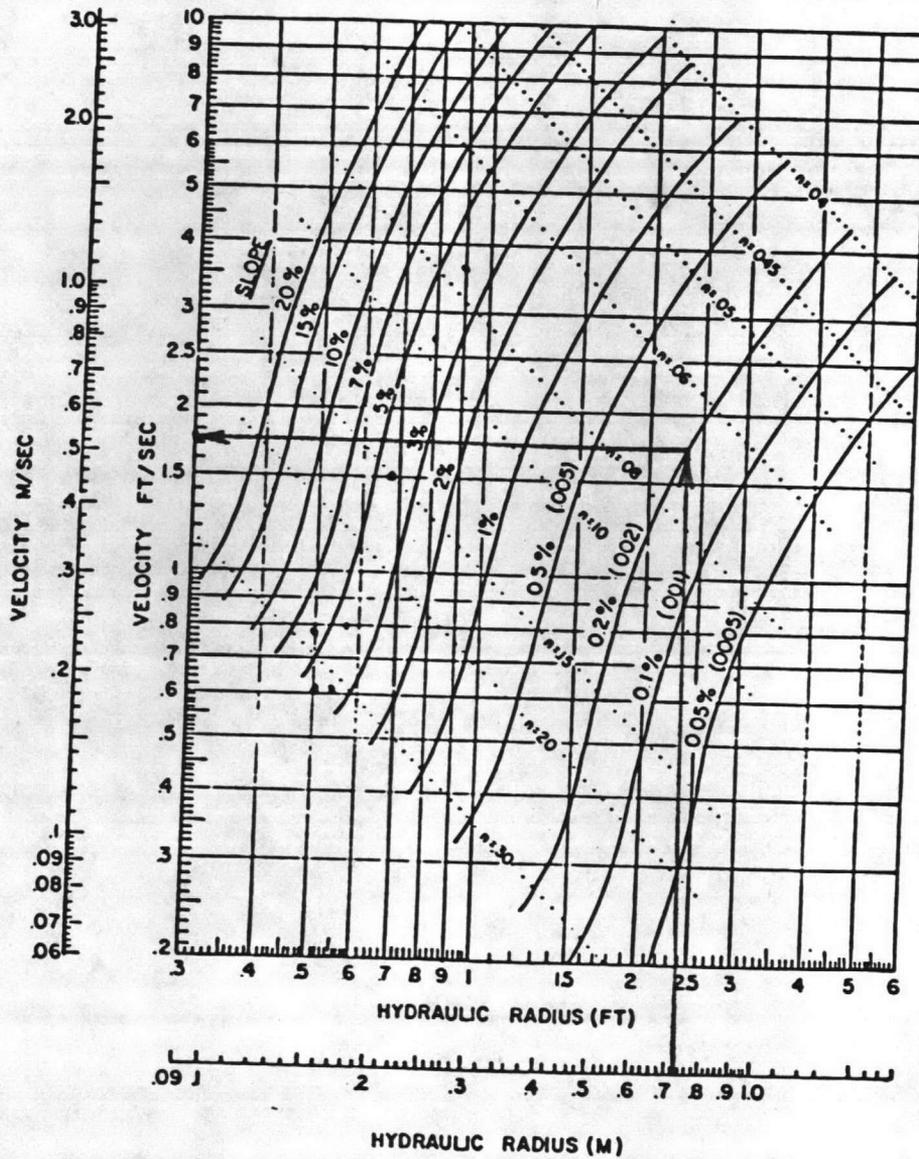


Figure 3.11b. Solution to Manning's Equation for Retardance Class B.

H 44

