

BLACK & VEATCH, INC.

CONSULTING ENGINEERS

TEL. (919) 467-9913

Onslow County, North Carolina
Water Line Extensions

117 EDINBURGH SOUTH, SUITE 101
MAILING ADDRESS: P.O. DRAWER 1123
CARY, NORTH CAROLINA 27511

B&V Project 02713.010
B&V File B
June 9, 1987

Public Works Department
PWD Building - 1005
Camp Lejeune, North Carolina 28542-5001

Attention: Mr. John Jordan

Gentlemen:

Mr. Freeman Hill of So-Par Utilities requested that we send information to your attention regarding the crossing of an existing railroad with a proposed 8" water pipeline in Onslow County, North Carolina. We have included a copy of our cover letter to Southern Railway, an Application for Approval, a plan and profile of the crossing, and the Southern Railway approval letter for your review and approval. I talked to Mr. Lee Warren of the Department of the Navy concerning necessary information and he requested that we also include the bearing of the centerline of the pipeline easement where it crosses the railroad. This information was not readily available but we have included the angle at which the railroad and the proposed pipeline cross.

Mr. Hill is anxious to begin work on the project and we would appreciate an expediate review of the enclosed material. Please inform us when the review is complete and of the necessary steps to be taken.

If you have any questions, please call us.

851-0500

Very truly yours,

BLACK & VEATCH, INC.

David L. Dunn

David L. Dunn

ks
Enclosure

cc: Mr. Bill Harvey
Mr. Freeman Hill
Mr. Lee Warren w/encl —

File Onslow 2713.010
Southern Railway System

G-1.1

Operating Department
Office of Superintendent
Greensboro, N.C. 27401

OLIN G. MILLS
SUPERINTENDENT

May 26, 1987

400 S. ELM STREET
TEL: (919) 272-0224

870-10

RECEIVED

MAY 27 1987

BLACK & VEATCH, INC.
CARY, N. C.

Mr. Peter C. R. Shelley
Black & Veatch, Inc.
P. O. Drawer 1123
Cary, N. C., 27511

Dear Mr. Shelley:

Reference yours of April 6, 1987, making application to construct an 8 inch water pipeline crossing located 2,080 feet southwest of Mile Post CK-9, Jacksonville, N. C., for Onslow County, N. C.

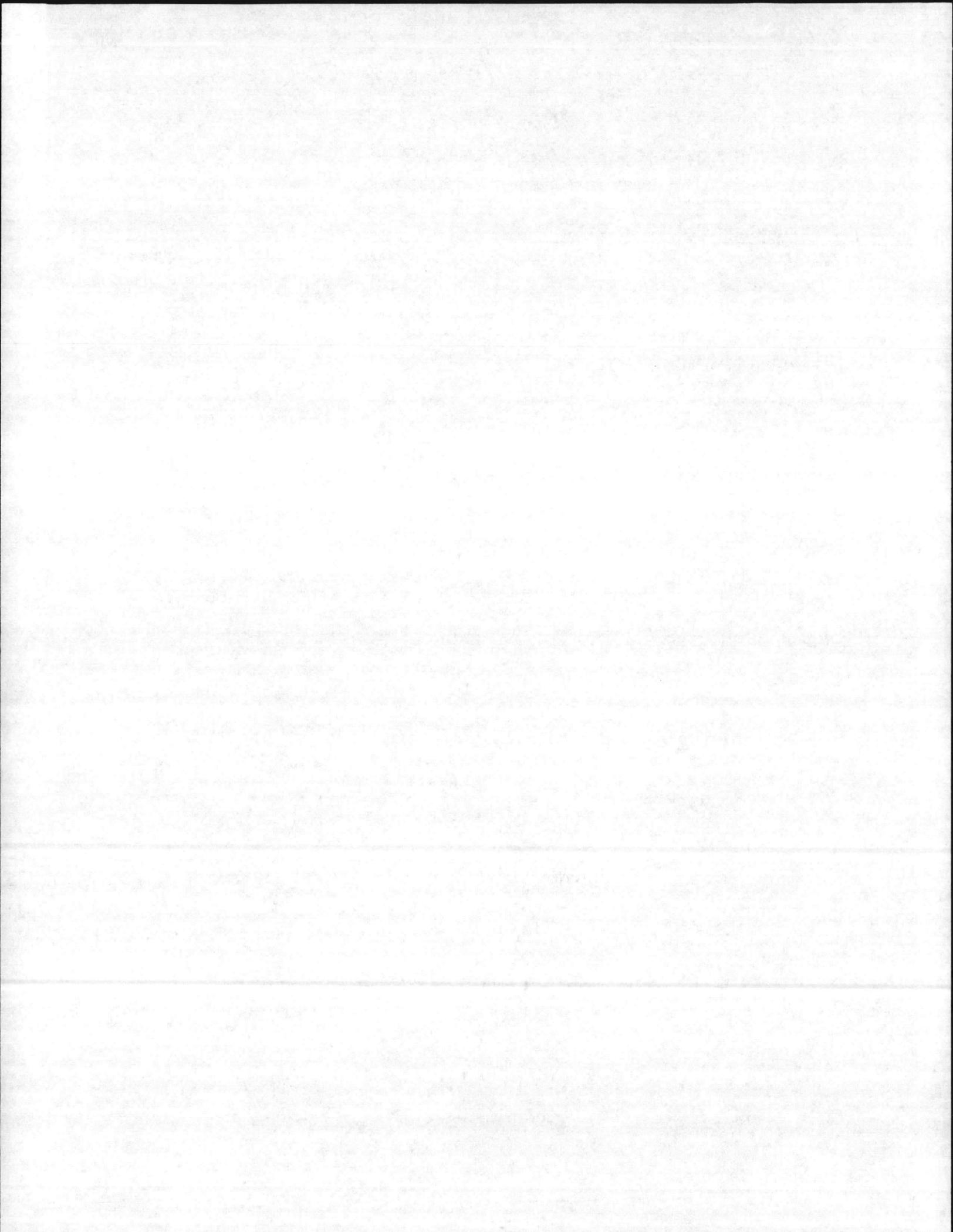
This application has been approved by our Engineering Department and the agreement will be prepared by our Contracts and Conveyance Department and will be forwarded to you upon receipt for execution. Please be advised that effective December 1, 1986 insurance requirements as outlined on the attached sheet will be inserted in all pipeline and wireline crossing agreements. After the agreement has been signed by the appropriate official, construction may be made as depicted in the attached drawing with the notification made as outlined below. With insurance requirements met, an emergency need to install prior to signing the agreement stated by letter with indication of intent to sign the agreement when presented will be considered by this office. Please be advised that right of way is 62.5 feet each side of center line of railway; 8 inch G. V. and C.I box located outside of right of way.

At least three (3) days' advance notice must be given J. E. Haithcock, Track Supervisor, Headquarters New Bern, N. C. After normal working hours he can be reached through his residence phone number 638-2490, or through Division Engineer C. H. Groce at phone 831-3029 during working hours. Satisfactory arrangements must be made with Mr. Haithcock before entering upon the railroad's right of way or property.

Very truly yours,

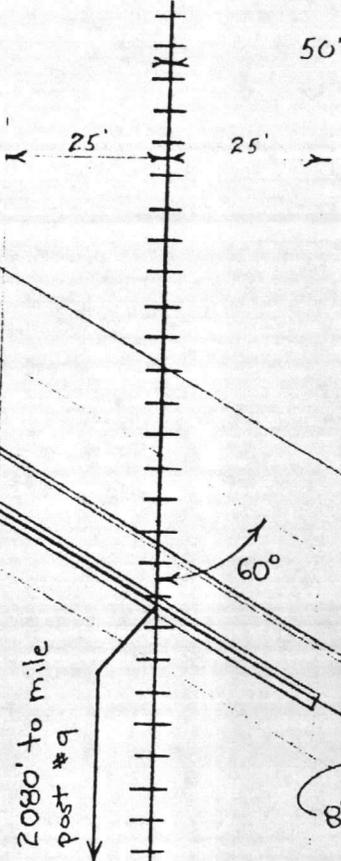


Superintendent



Proposed 8" water line

60' of 20" steel casing
bored & jacked under
R.R. w/ 60' of 8" PVC
placed in casing



PLAN

Scale: 1" = 30'

NC 1428

8" G.V. ?
C.I. box
(typ.)

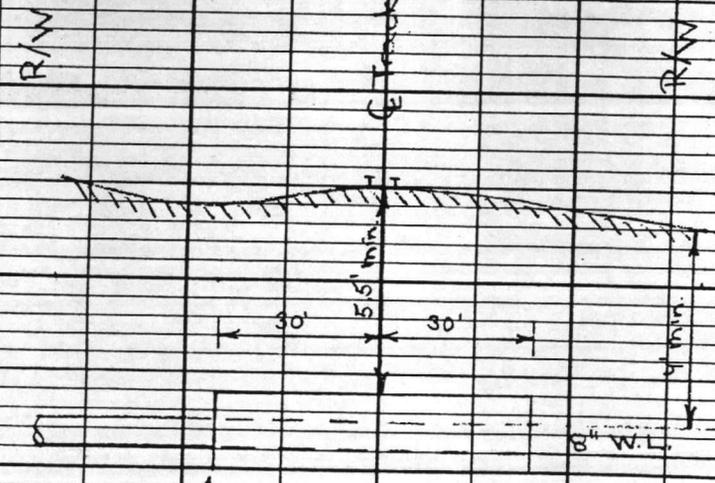
100

95

90

PROFILE

Scale: 1" = 30' Horiz.
1" = 5' Vert.

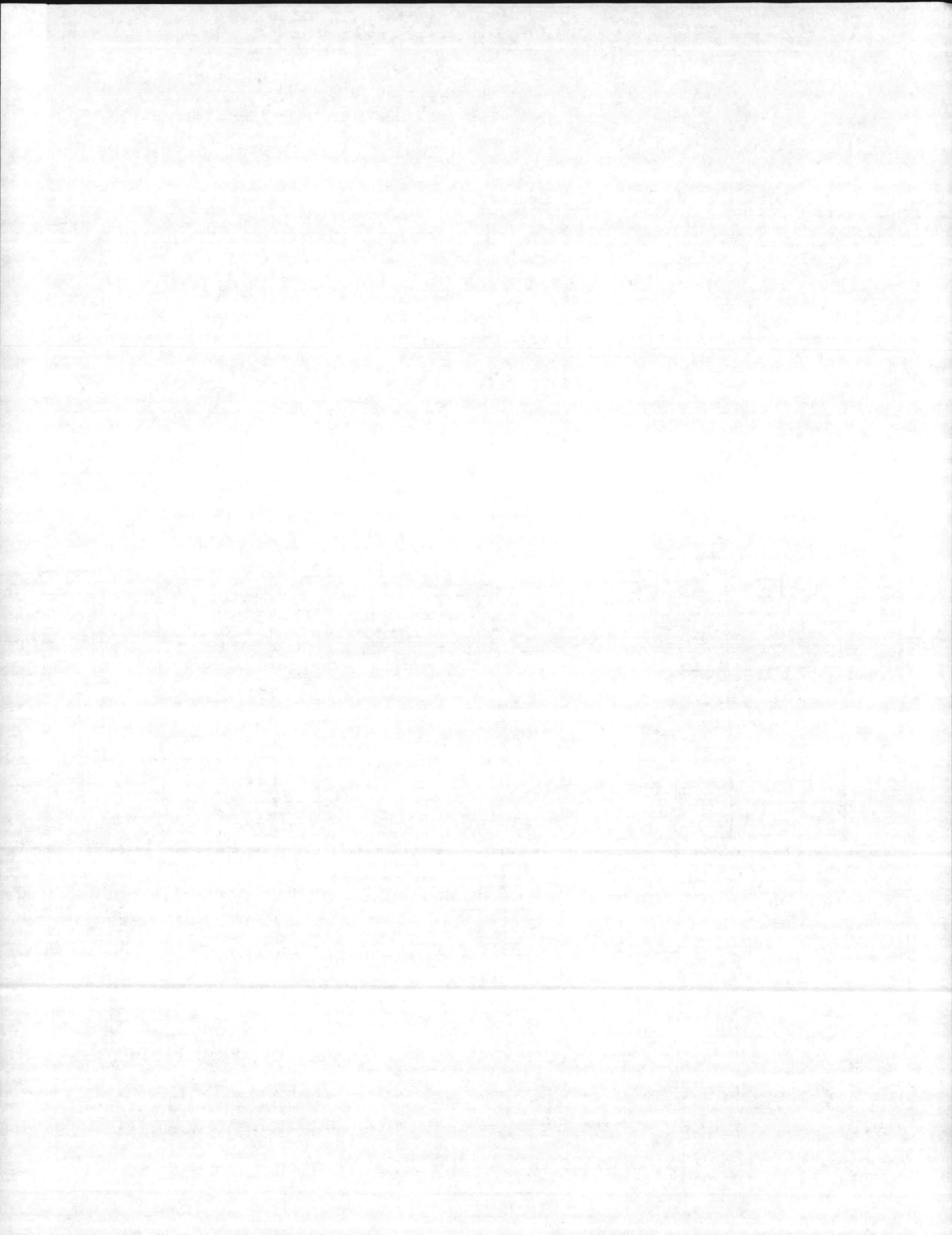


60' of 20" steel casing
bored & jacked under R.R.
w/ 60' of 8" PVC placed
in casing

SOUTHERN R.R.
CROSSING
ON SLOW COUNTY
NORTH CAROLINA
WATER LINE
EXTENSIONS
BLACK & VEATCH
Consulting Engineers
Cary, N.C.
Project # 2713.009

3-23-87

PCRS



SOUTHERN RAILWAY COMPANY

APPLICATION FOR PIPE LINE CROSSING UNDER PROPERTIES AND TRACKS

Plans for proposed installation shall be submitted to and meet the approval of the Railroad Company before construction is begun. Material and installation are to be in strict accordance with specifications of the American Railway Engineering Association and requirements of the Southern Railway Company. Original and eleven copies of this form shall be submitted, accompanied by eleven prints of a drawing showing plan, elevation section of crossing from field survey, location in respect to Mile Post, width of Railroad's Right of Way, location of adjacent structures affecting crossing, and all information required in Figures 1 and 2 of A.R.E.A. Specifications, Part 5—Pipelines. If tunneling is necessary, details of sheeting and method of supporting tracks or driving tunnel shall be shown.

1. Correct Name of Applicant Onslow County, North Carolina
2. Post Office Address 521 Mill Street, Jacksonville, NC 28541
3. Partnership — Name and Initials all Partners, Women — Given and Surnames before marriage and present _____
4. If Incorporated, Name of State in which Incorporated _____
5. Location 2100 Feet SW (Direction) from nearest R.R. Mile Post #9
6. Nearest City or Town Jacksonville County Onslow State North Carolina
7. Within limits of Public Highway Name _____ Fed-State-County No. NCSR 1428
8. Temporary track support or rip rapping required () Yes (X) No — Describe _____
9. Wires, poles, obstructions to be relocated () Yes (X) No — Describe _____
10. Product to be conveyed Water Flammable () Yes (X) No — Temperature _____
11. Max. Working Pressure _____ PSI. Field Test Pressure 150 PSI. Type Test _____
12. Location of shut-off valves Outside right-of-way each side of track

13. PIPE SPECIFICATIONS:

	<u>CARRIER PIPE</u>	<u>CASING PIPE</u>
Material	PVC	Steel
Material Specifications and Grade	ASTM D2241-SDR 18	_____
Minimum Yield Strength of Material PSI	_____	35000
Mill Test Pressure PSI	_____	_____
Inside Diameter	7.98 inches	19.25 inches
Wall Thickness	0.533 inches	0.375 inches
Outside Diameter	9.05 inches	20 inches
Type of Seam	_____	_____
Laying Lengths	_____	_____
Type of Joints	Slip	Welded
Total Length within RR R/W	115	60 feet
VENTS: Number _____ Size _____ Hgt. above ground _____		
SEALS: Both ends _____ One end _____		
BURY: Base of rail to top of casing _____	5	6
BURY: (Not beneath tracks) _____	4	0
BURY: (Roadway ditches) _____	_____	_____
CATHODIC PROTECTION: () Yes (X) No		
PROTECTIVE COATING () Yes (X) No Kind _____		

- Type, Size and Spacing of Insulators or Supports _____
14. Method of Installation Boring and Jacking

If application is approved, applicant agrees to reimburse the Railroad for any cost incurred by the Railroad incident to installation, maintenance, and/or supervision necessitated by this pipe line installation, and further agrees to assume all liability for accidents or injuries which arise as a result of this installation.

3/17/87
Date


Signature and Title of Officer Signing Application

BLACK & VEATCH, INC.
CONSULTING ENGINEERS

TEL. (919) 467-9913

117 EDINBURGH SOUTH, SUITE 101
MAILING ADDRESS: P.O. DRAWER 1123
CARY, NORTH CAROLINA 27511

Onslow County, North Carolina
Water Line Extensions

B&V Project 02713.009
B&V File B
April 6, 1987

Southern Railway Systems
400 South Elm Street
Greensboro, North Carolina 27401

Attention: Mr. O. G. Mills
Division Superintendent

Gentlemen:

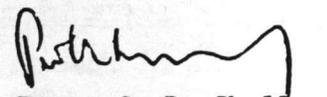
We are submitting a Southern Railway pipe crossing application for a waterline along NC 1428 in Onslow County. An eight (8") inch PVC pressure pipe will be the carrier pipe which will be installed in a twenty (20") inch steel casing pipe.

I have enclosed 11 copies of an Application for Pipeline Crossing under Properties and Tracks, and 11 copies of a plan and profile that shows the located crossing. Please review these enclosures at your earliest convenience.

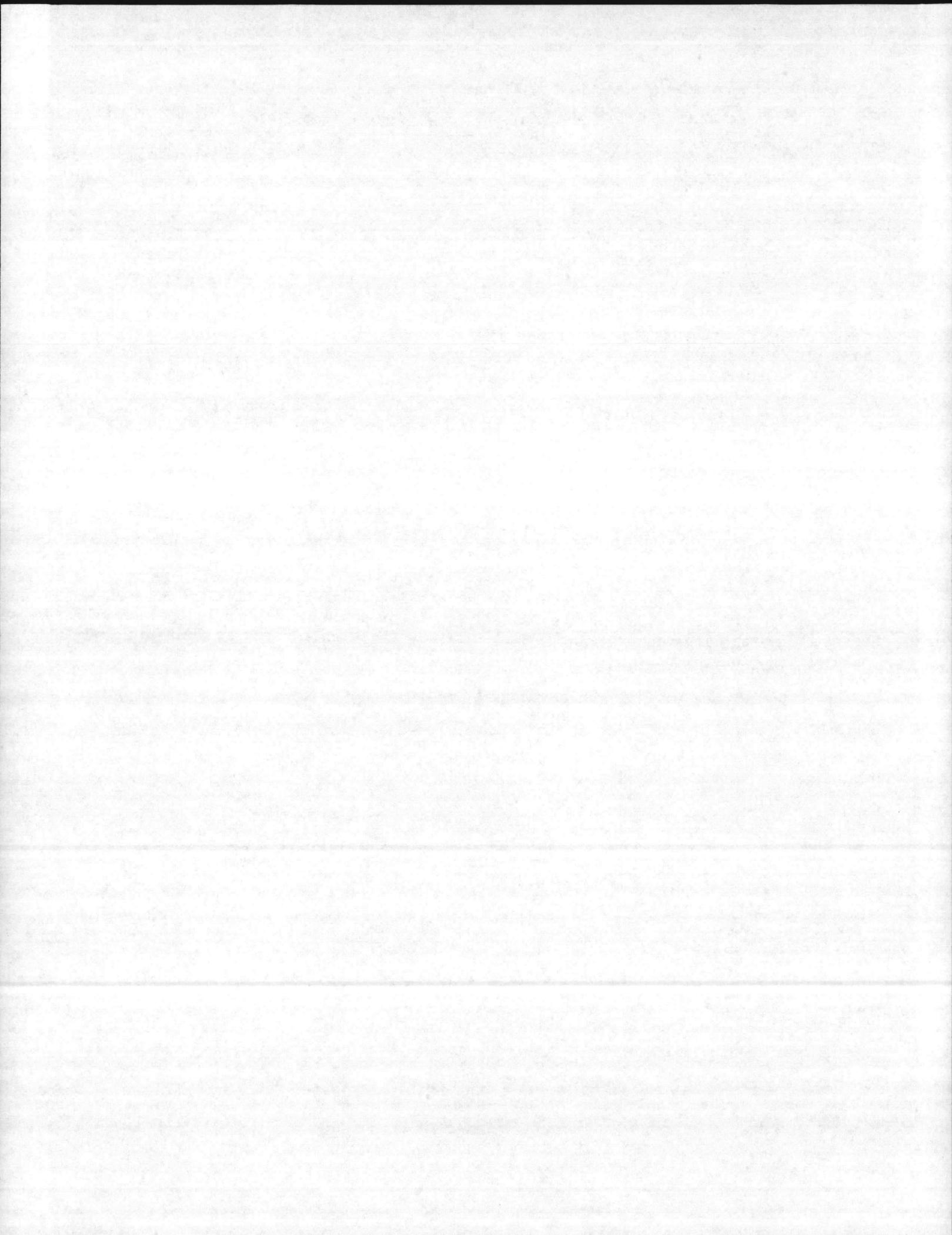
Please call if you have any questions.

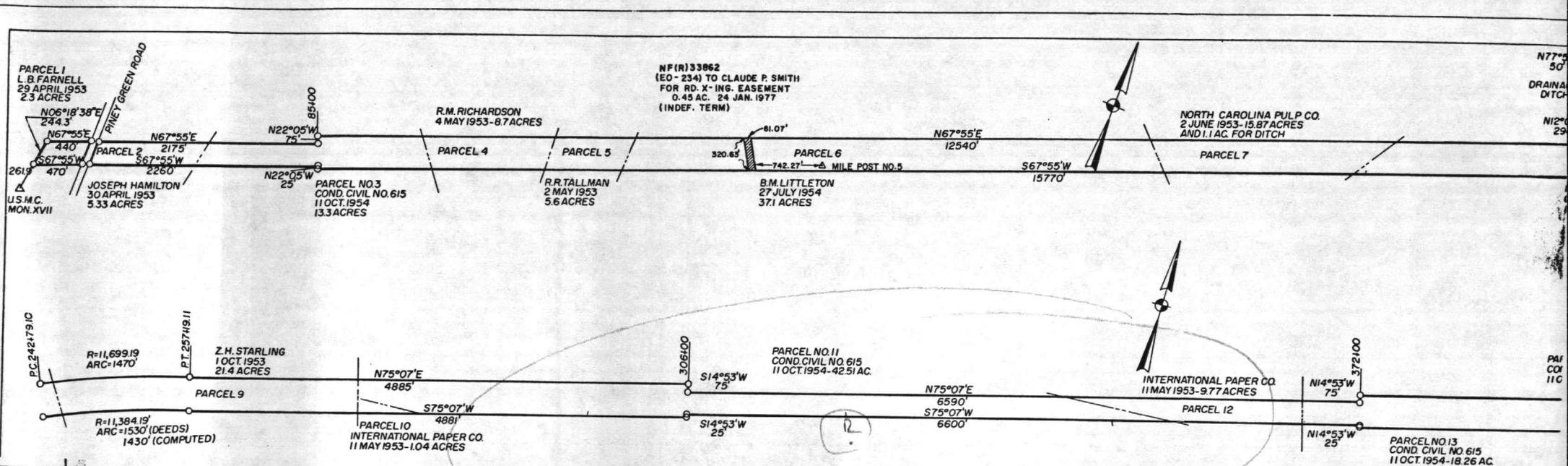
Very truly yours,

BLACK & VEATCH, INC.

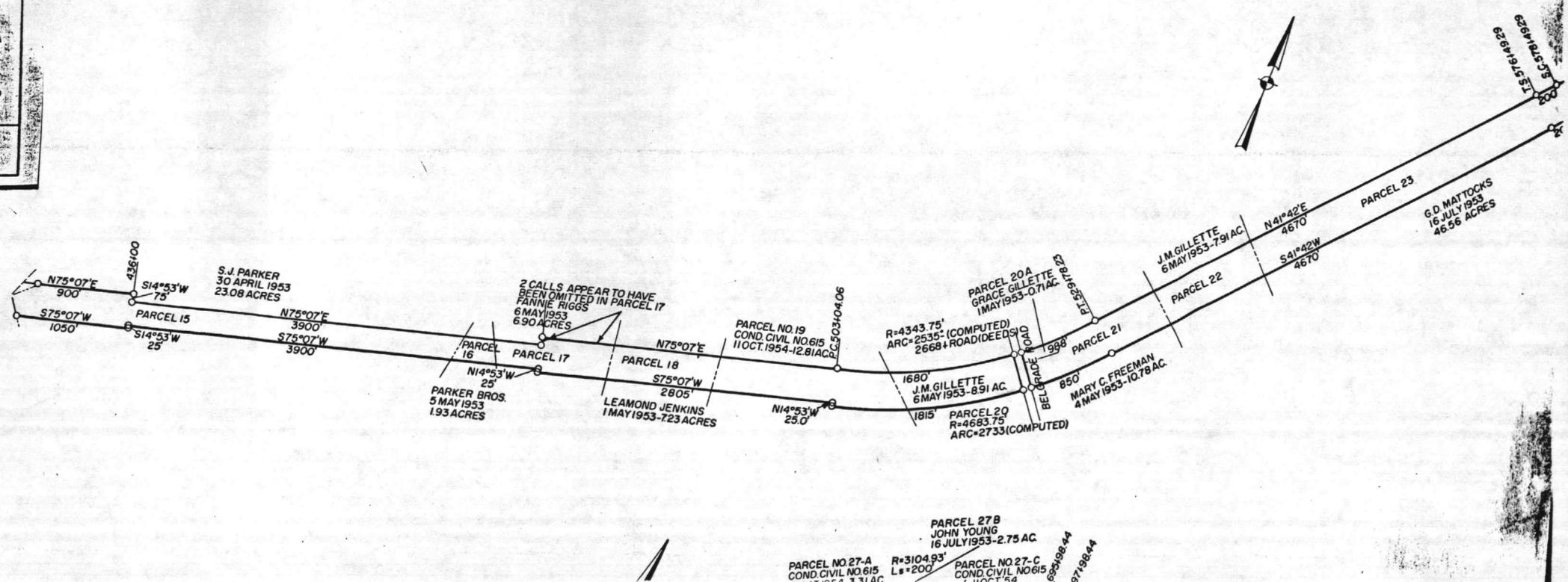

Peter C. R. Shelley

ks
Enclosure(s)





EFD DWG. NO. 196460		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DESIGN WALKER <i>W.K.</i>		MARINE CORPS BASE	
DRAWN WALKER <i>W.K.</i>		CAMP LEJEUNE NORTH CAROLINA	
CHECK <i>W.K.</i>		ACTIVITY CODE NO. 8270-475 MANAGEMENT C.M.C.	
DIRECTOR, REAL ESTATE DIV.		REAL ESTATE SUMMARY MAP	
ASST. DIR. FOR FACILITIES MGMT.		CODE IDENT. NO. 80091	SIZE F
FOR DIR. LANTDOCKS FOR CHIEF BLDGOS.		NAVAFAC DWG. NO. 4096460	
DATE 15 JUNE 1968	SCALE GRAPHIC	SHEETS OF 20	



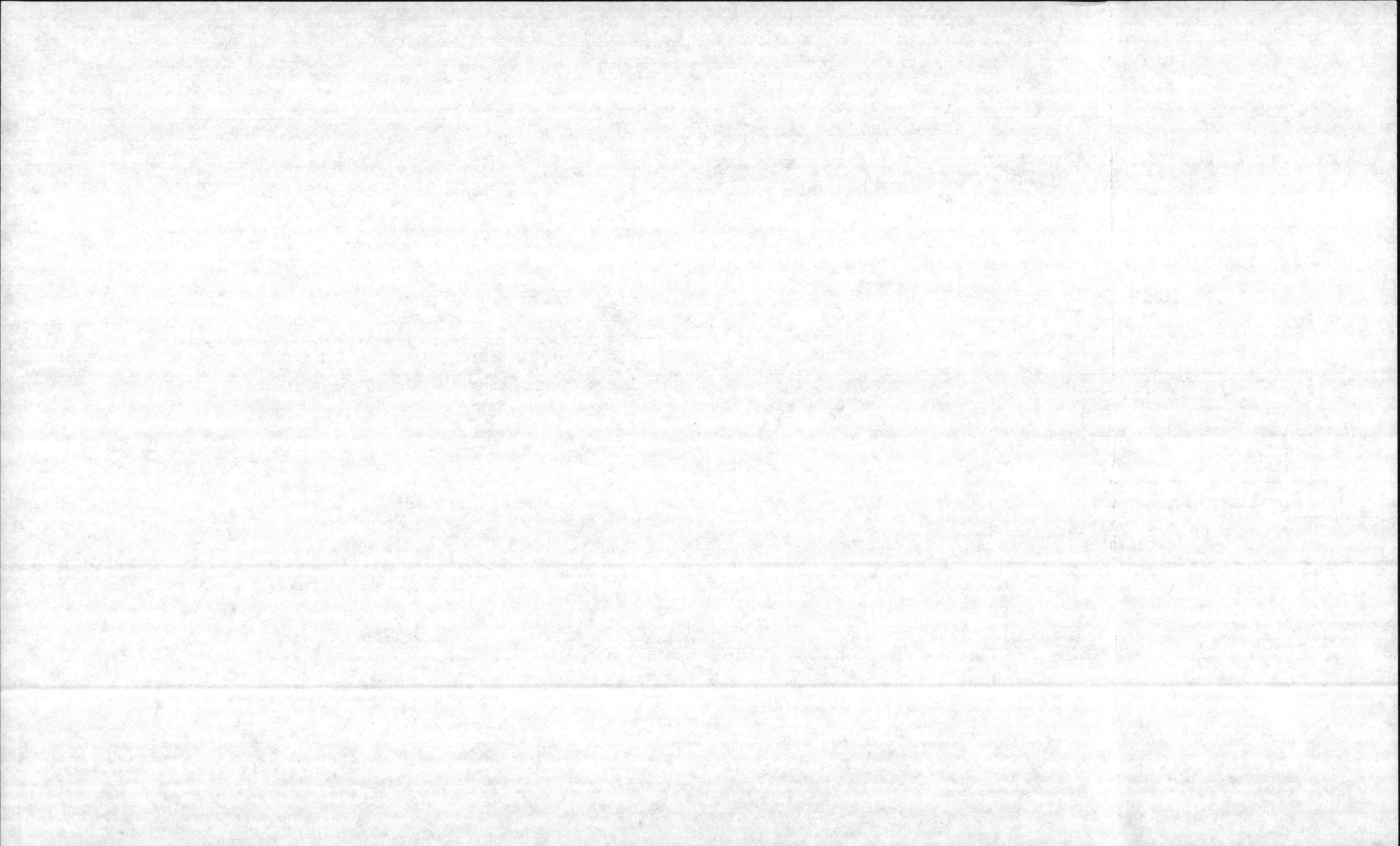
IN THIS LACON?

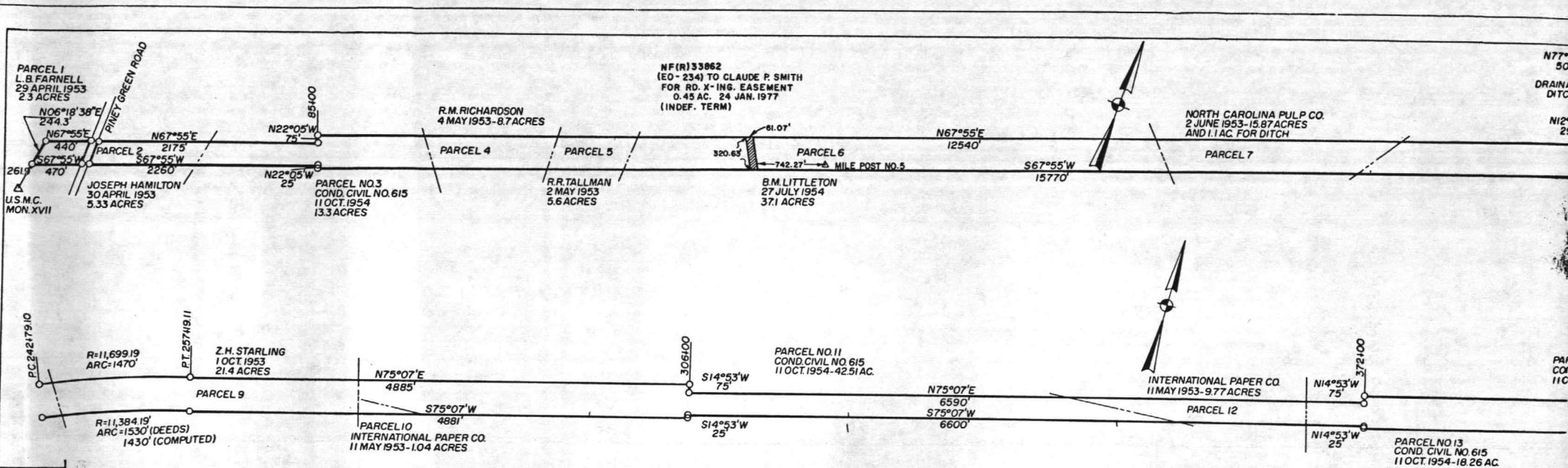
PARCEL NO 27-A
COND. CIVIL NO. 615
L=200'
R=3104.93'

PARCEL NO 27-C
COND. CIVIL NO. 615
L=200'
R=3104.93'

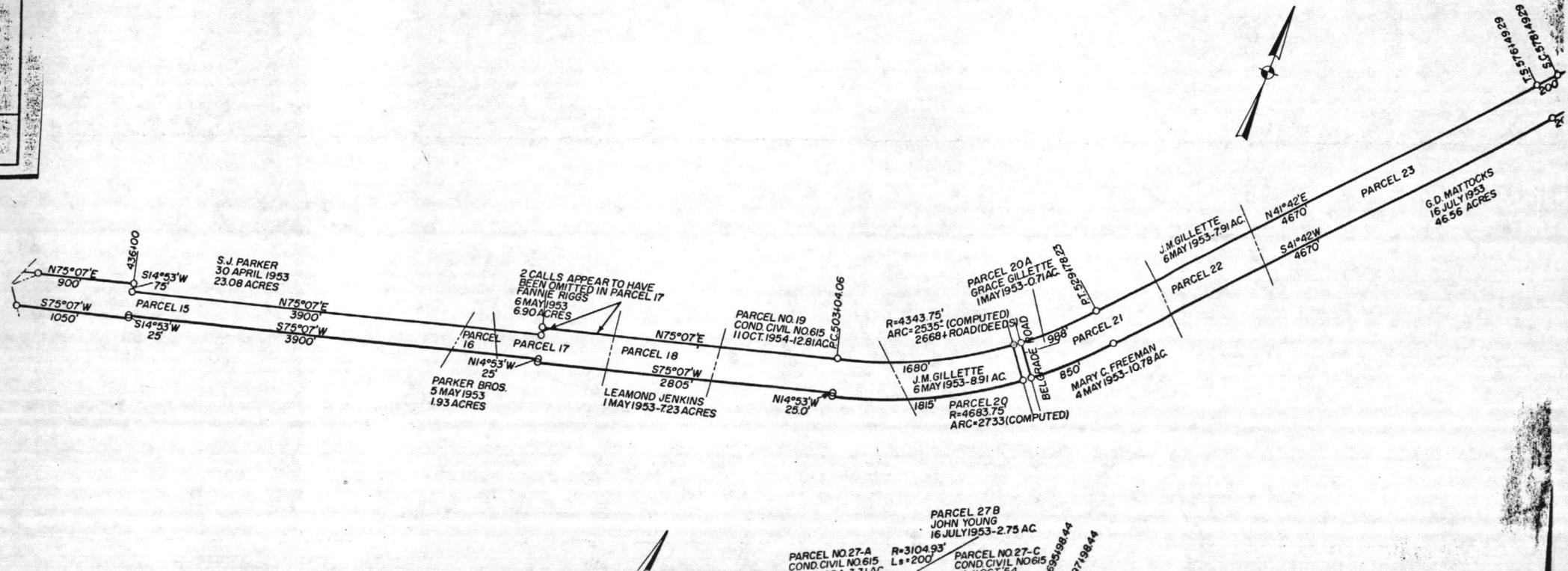
PARCEL 27-B
JOHN YOUNG
16 JULY 1953-2.75 AC.

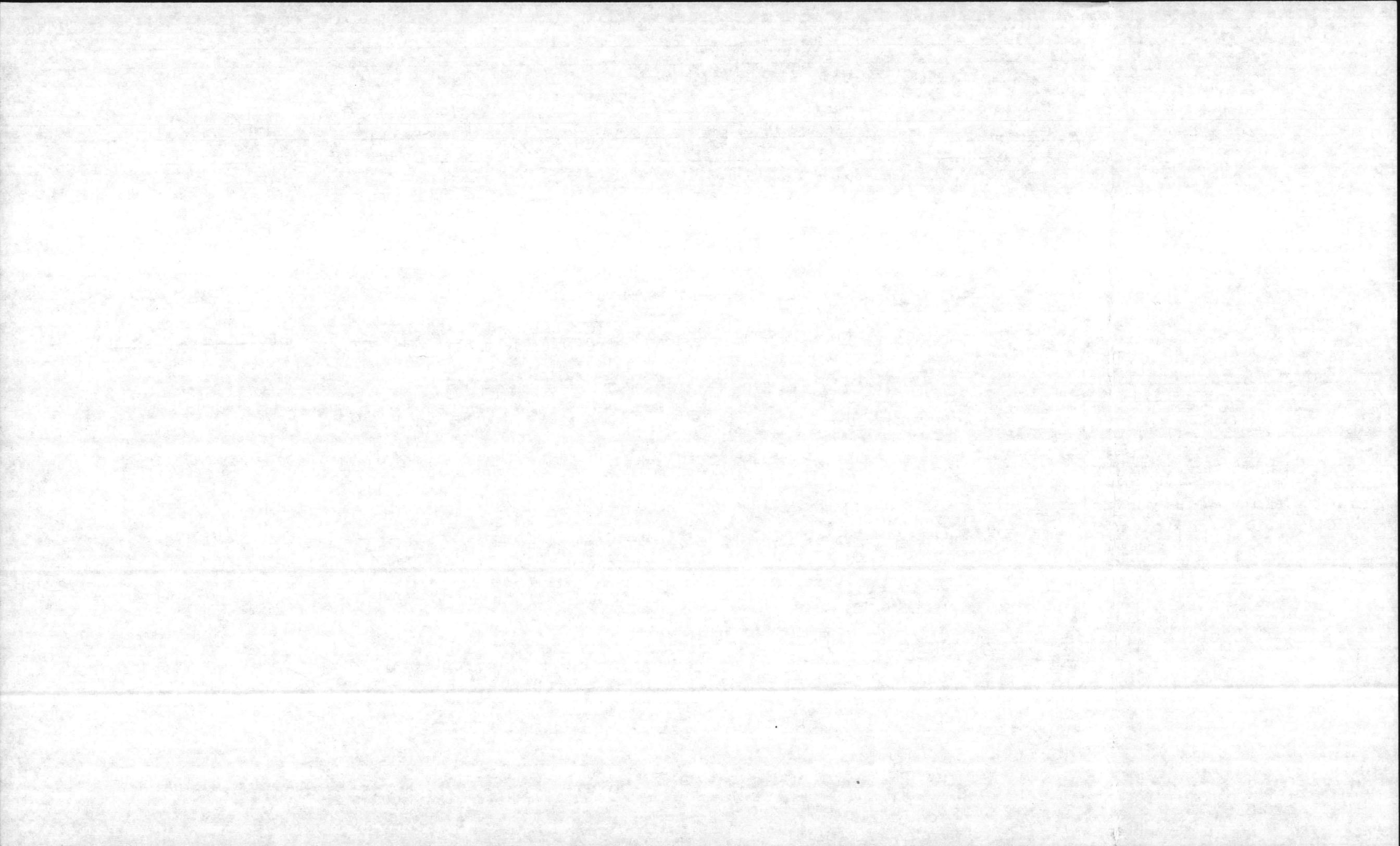
98-198-44
97-198-44





EFD DWG. NO. 196460		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DESIGN WALKER <i>XX</i>		MARINE CORPS BASE	
DRAWN WALKER <i>XX</i>		CAMP LEJEUNE NORTH CAROLINA	
CHECK <i>SA</i>		ACTIVITY CODE NO. 8270-175 MANAGEMENT C.M.C.	
<i>R. Young</i> DIRECTOR, REAL ESTATE DIV.		REAL ESTATE SUMMARY MAP	
ASST. DIR. FOR FACILITIES MGMT.		FOR DIRM/ITDOCS FOR CHIEF BLDGGS	
NO. AMD. OR COR.	DESCRIPTION OF AMENDMENT OR CORRECTION	DATE	LAND DIV. APPROVAL
1	AMD. UPDATED TO COMPLY WITH CURRENT CONDITIONS	01-11-85	<i>SA</i>
CODE IDENT. NO.	SIZE	NAVIFAC DWG. NO.	
80091	F	4096460	
SCALE GRAPHIC	SHEETS OF 20		
15 JUNE 1985	DATE		





SAMPLE
GRANT OF EASEMENT

THIS GRANT OF EASEMENT, made and entered into this _____ day of _____, 1981, by and between the UNITED STATES OF AMERICA, acting by and through the Department of the Navy, hereinafter referred to as the GOVERNMENT, and the MOWER LUMBER COMPANY, a New York corporation, hereinafter referred to as the GRANTEE;

W I T N E S S E T H:

WHEREAS, the GOVERNMENT owns that certain real property lying and situate in Onslow County, North Carolina, and comprising the Camp Lejeune-Cherry Point Railroad, said real property being hereinafter referred to as the RAILROAD; and

WHEREAS, the GRANTEE has requested an easement for the construction, installation, operation, use, maintenance, repair and replacement of a grade level road crossing on, over, and across that portion of said RAILROAD as hereinafter described; and

WHEREAS, the Secretary of the Navy has found that the grant of such easement on the terms and conditions hereinafter stated is not incompatible with the public interest.

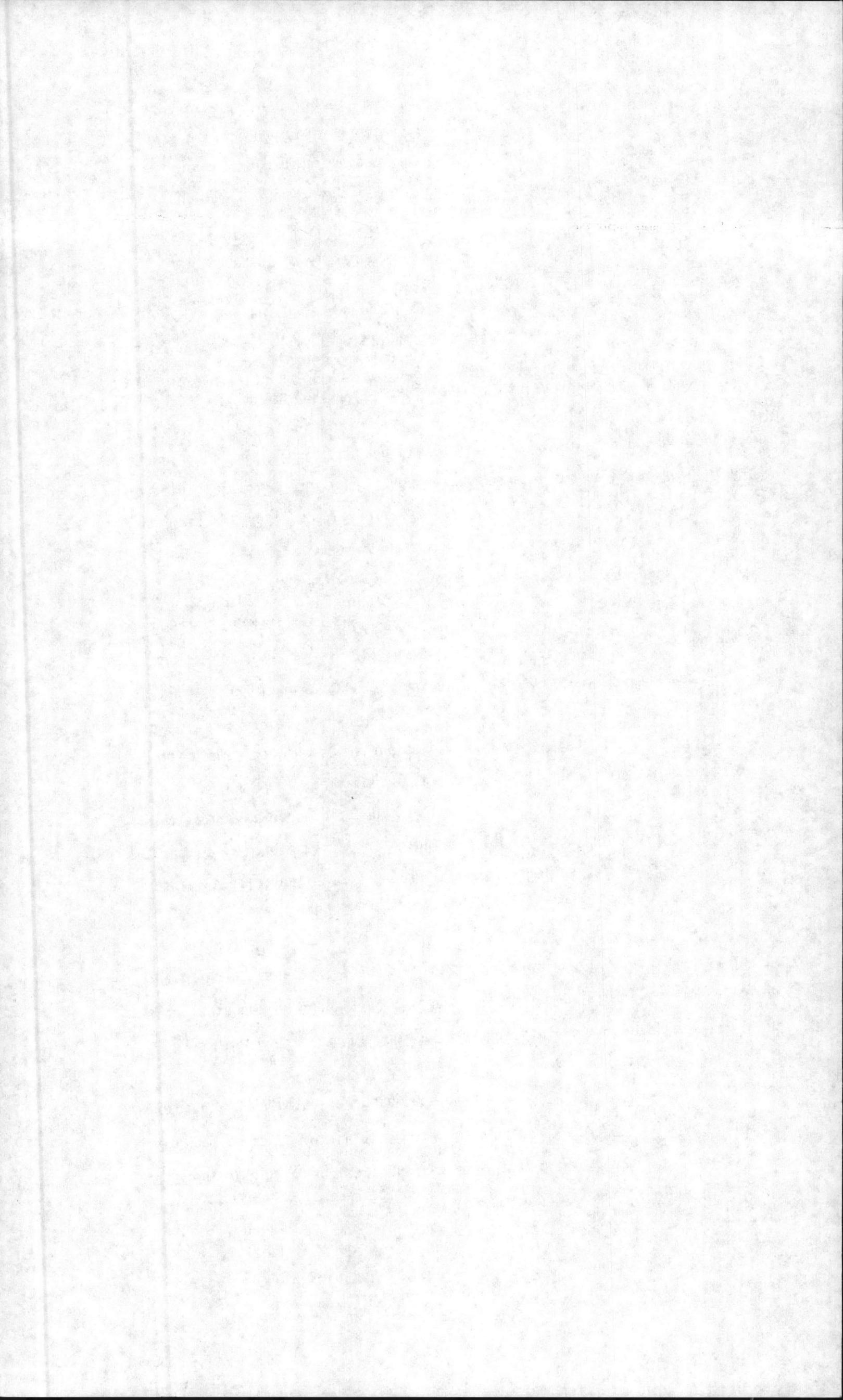
NOW THEREFORE, this instrument witnesseth that, for and in consideration of the sum of Five Hundred Dollars (\$500.00) paid by the GRANTEE to the GOVERNMENT, and the terms and conditions hereinafter stated, the GOVERNMENT hereby grants to the MOWER LUMBER COMPANY, its successors and assigns, a perpetual easement for the construction, installation, operation, use, maintenance, repair and replacement of a grade level road crossing, hereinafter called the ROAD, such easement being on, over and across that portion of the RAILROAD hereinafter called the Premises and described as follows:

All that certain piece or parcel of land situate, lying and being in White Oak Township, Onslow County, North Carolina, and comprising all that real property located within a distance of thirty (30) feet on either side of the hereinafter described centerline:

Beginning at the point of intersection of the southern right-of-way line of the Camp Lejeune-Cherry Point Railroad with the centerline of North Carolina State Route 1459; thence, leaving said point of intersection and running along and with the southern right-of-way line of said Railroad N 74° 30' 38" E, 3,950 feet to a point, said point being situated N 74° 30' 38" E, 700 feet, as measured along the southern right-of-way line of said Railroad, from Railroad Milepost Number 5, and being identified as the southern end and TRUE POINT OF BEGINNING of the hereinafter described centerline; thence, running along a centerline through and across the right-of-way of said Camp Lejeune-Cherry Point Railroad, N 15° 29' 22" W, 315 feet to a point located in the northern right-of-way line of said Railroad, said point being identified as the northern end of aforesaid centerline; containing 0.434 of an acre, more or less.

Sample of Easement

Sample
Legal
Description



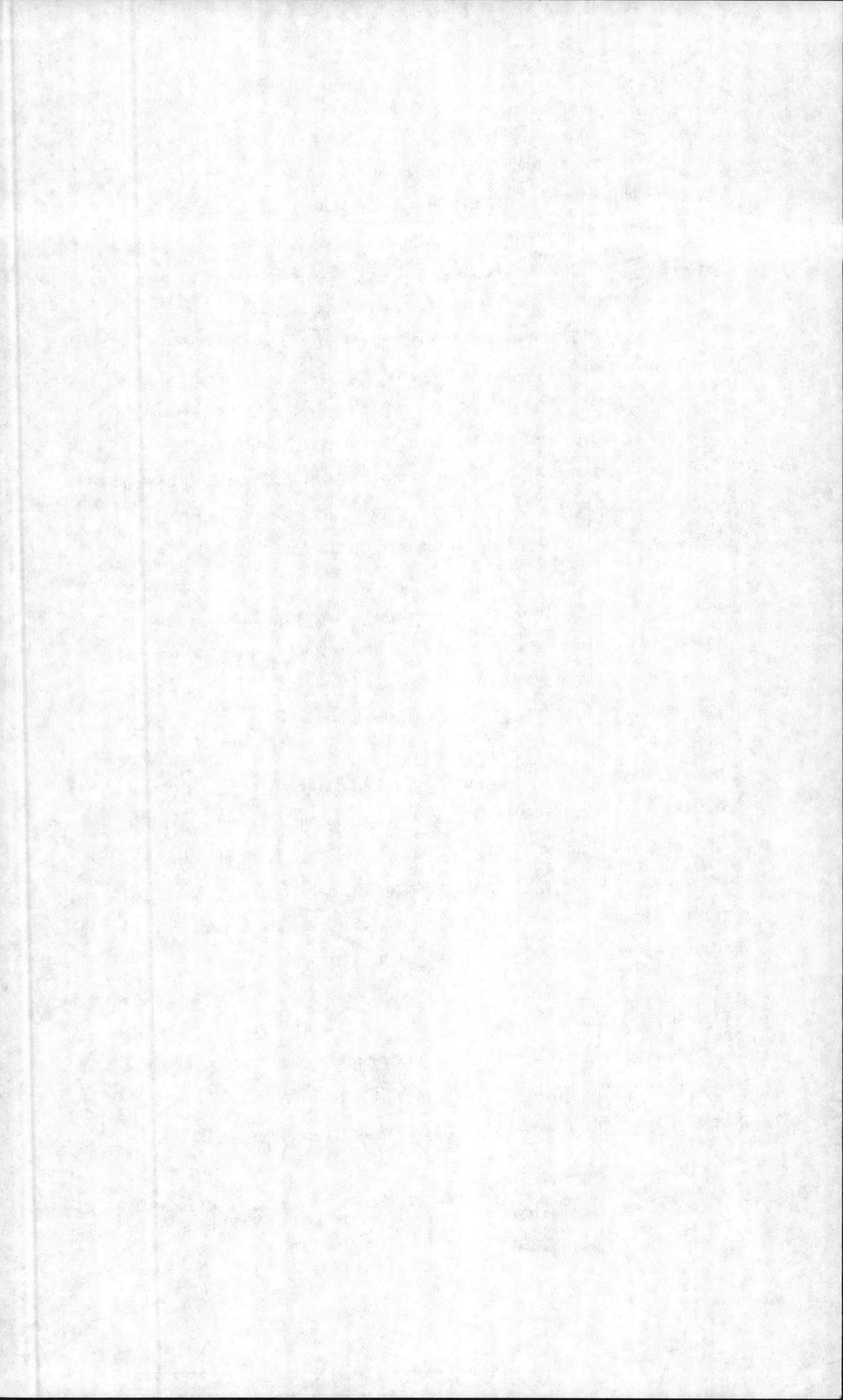
The width of said easement area shall be as necessary and reasonable for the purposes granted but shall not exceed a distance of thirty (30) feet on either side of the hereinabove described centerline nor extend beyond the property of the GOVERNMENT.

Aforesaid Premises comprising a portion of that certain tract of land designated as Parcel 6 of said Comp Lejeune-Cherry Point Railroad, said Parcel 6 having been acquired by the GOVERNMENT from B. M. Littleton by virtue of Warranty Deed dated 27 July 1954 and recorded in the Onslow County Registry of Property in Deed Book 248, page 603.

SUBJECT, HOWEVER, to all existing roads, utility easements, and all other outstanding rights, including but not limited to Lease and Use Agreement NOM-71659, dated 2 September 1960, to the Camp Lejeune Railroad Company, and to all such utility lines, facilities and other improvements as may now be located on, over, and across or under aforesaid Premises.

THIS EASEMENT is granted subject to the following terms and conditions:

1. All work in connection with the construction, installation, operation, repair, and replacement of aforesaid ROAD shall be done without cost or expense to the GOVERNMENT, and in accordance with plans previously approved by the Commander, Atlantic Division, Naval Facilities Engineering Command.
2. The GRANTEE shall maintain the Premises and the ROAD in good condition at all times and shall promptly make all repairs thereto that may be necessary for the preservation of the condition of the Premises and the continued operation and maintenance of said ROAD. To the extent requested by the GOVERNMENT or by the Camp Lejeune Railroad Company, the GRANTEE shall provide and maintain such signalization and protective devices as may be required for the safe operation of said ROAD.
3. The GRANTEE's rights hereunder shall be subject to such rules and regulations as may be prescribed by the GOVERNMENT to assure that the exercise of such rights will not interfere with GOVERNMENT activities and the use and operation of said RAILROAD. GRANTEE shall not block said RAILROAD and, when crossing same, shall exercise caution and shall yield the right-of-way to all RAILROAD traffic.



4. If at any future time, the GOVERNMENT determines that aforesaid ROAD, or any portion thereof, unduly interferes with any of its activities, it shall have the right to terminate this easement, in whole or in part, to the extent necessary to eliminate such interference; PROVIDED THAT, unless the GOVERNMENT shall have determined that relocation is not feasible, it shall convey to the GRANTEE, without charge, a substitute easement permitting the GRANTEE to relocate said ROAD, or portion thereof, on adjacent GOVERNMENT property, at the GRANTEE's cost and expense. The substitute easement shall contain the same terms and conditions as those of this easement, and shall bear the same expiration date, if any.

5. All or any part of this easement may be terminated upon failure by the GRANTEE to comply with any of its terms and conditions; upon abandonment of the rights granted herein; or upon nonuse of such rights for a period of two consecutive years.

6. Upon the termination of this easement, the GRANTEE, at its expense, shall remove, to the extent requested by the GOVERNMENT, improvements installed or constructed hereunder, and shall restore the Premises to the same or as good a condition as that which existed prior to the exercise by the GRANTEE of its rights hereunder. Such restoration shall be done in a manner satisfactory to the Commander, Atlantic Division, Naval Facilities Engineering Command.

7. The GOVERNMENT may use the premises of this easement for any purpose that does not unreasonably interfere with the use and enjoyment by the GRANTEE of the rights herein granted.

IN WITNESS WHEREOF, the parties hereto, have caused this instrument to be executed by their duly authorized officers as of the day and year hereinabove written.

UNITED STATES OF AMERICA

By _____

By direction of the Commander
Atlantic Division, Naval Facilities
Engineering Command

ATTEST:

MOWER LUMBER COMPANY

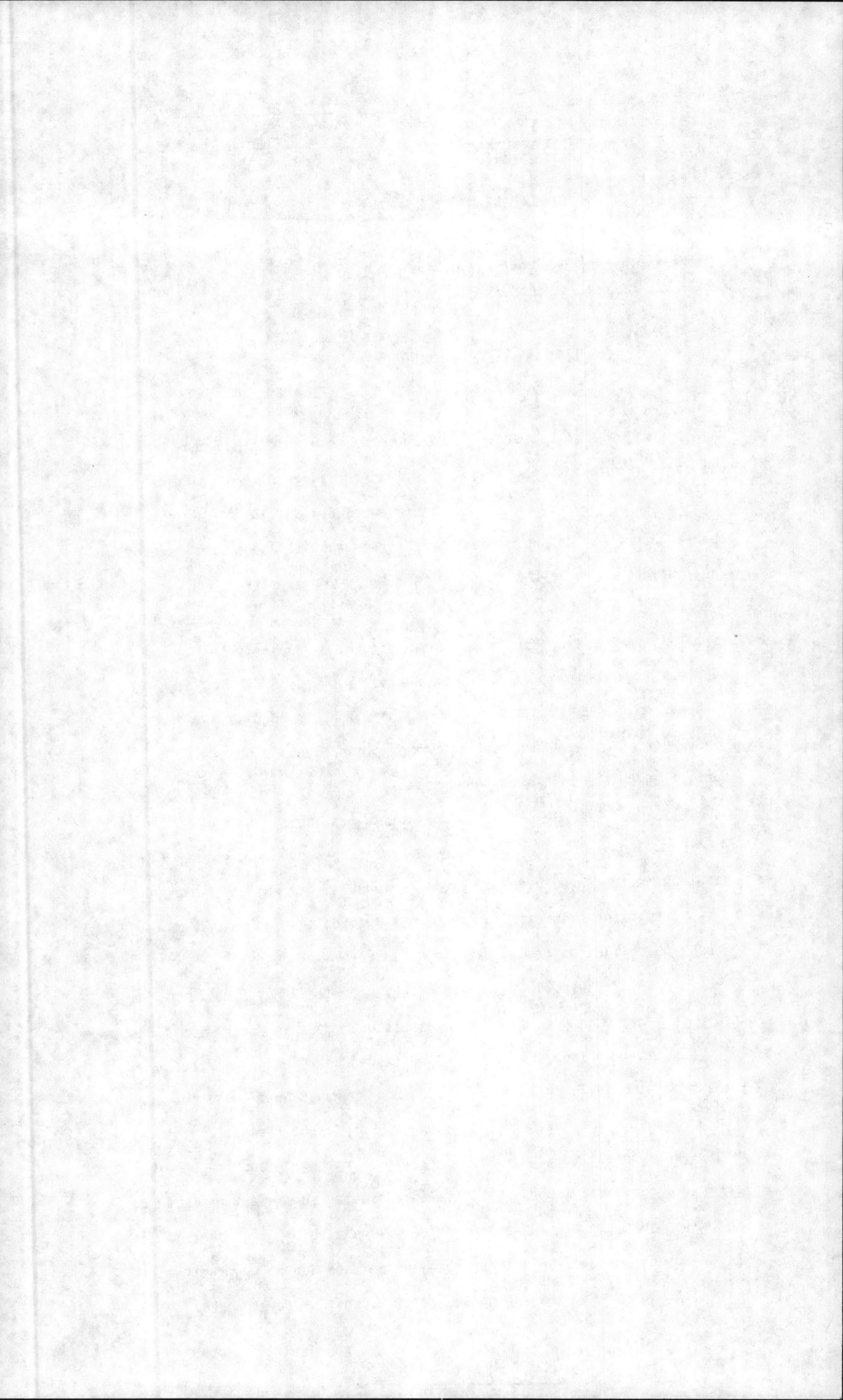
By _____

By _____

Title _____

Title _____

(SEAL)



STATE OF _____)
CITY OF _____) To-wit

I, _____, a Notary Public
in and for the State and City aforesaid, certify that _____
_____ personally came before me this day and acknowledged
that he is _____ of the MOWER
LUMBER COMPANY, a corporation, and that by authority duly given and as an
act of said corporation, the foregoing instrument was signed in its name
by its _____, sealed with its corporate
seal, and attested by himself as its _____.

Witness my hand an official seal, this _____ day of
_____, 1981.

Notary Public

My commission expires: _____

(SEAL)

STATE OF VIRGINIA)
CITY OF NORFOLK) To-wit:

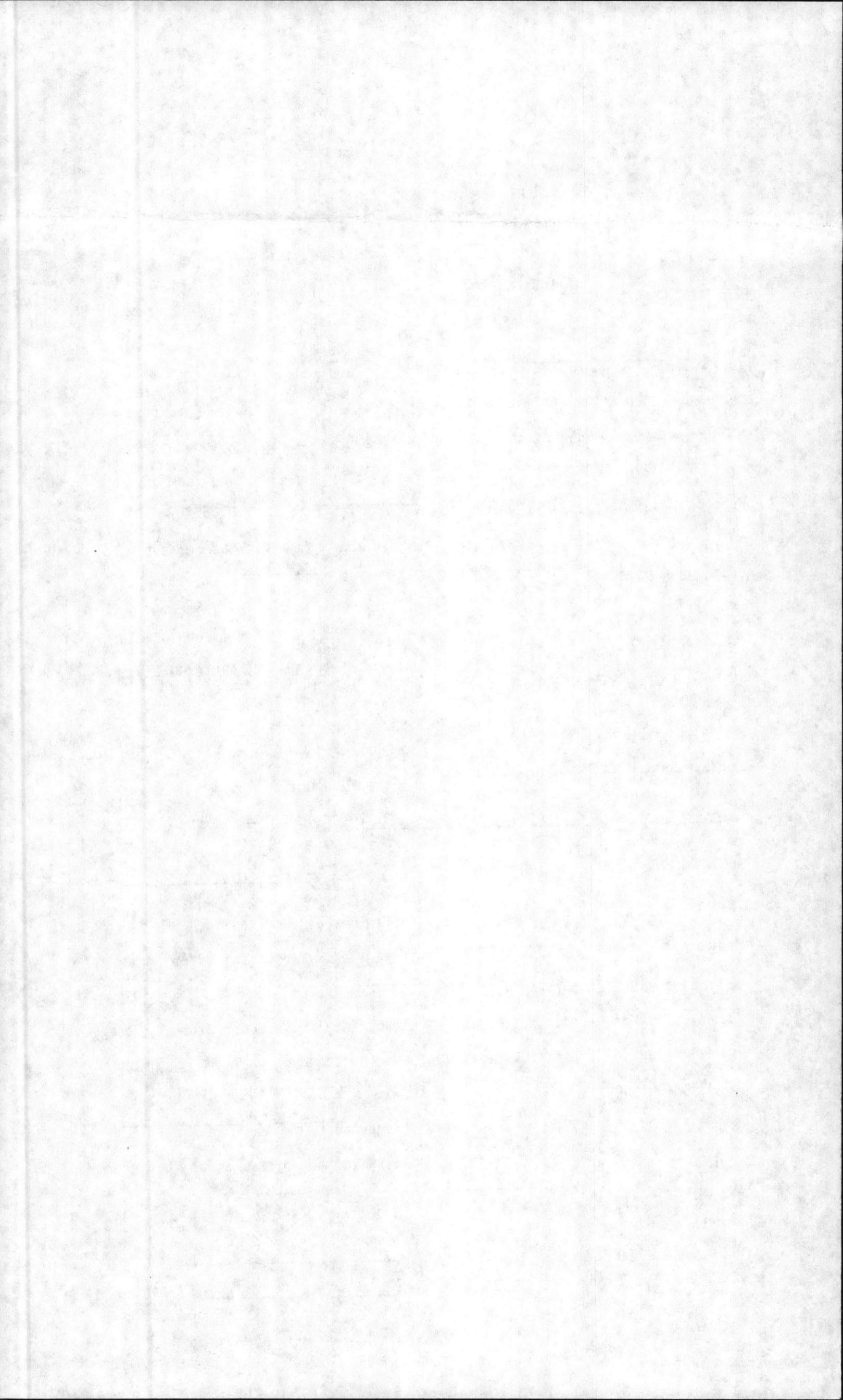
I, _____, a Notary Public
in and for the State at Large aforesaid, do hereby certify that
_____, whose name is signed to the foregoing
instrument bearing the date of the _____ day of _____, 1981,
has personally appeared before me this date in said City and State and
acknowledged the same.

Given under my hand this _____ day of _____, 1981.

Notary Public

My commission expires: _____

(SEAL)



BLACK & VEATCH, INC.

CONSULTING ENGINEERS

TEL (919) 851-0500

5540 CENTERVIEW DRIVE, SUITE 114
RALEIGH, NORTH CAROLINA 27606

Onslow County, North Carolina
Water Line Extensions

B&V Project 02713.010
B&V File G-1.1
December 22, 1987

Department of the Navy
Facilities Engineering Command
La Fayette River Annex
6500 Hampton Boulevard
Building D - Code 24
Norfolk, Virginia 23509-1297

Attention: Mr. Lee Warren

Gentlemen:

We have enclosed the survey plat and revised legal description for the proposed 8-inch water pipeline along S.R. 1428 in Onslow County as requested.

Please call us if you have any questions.

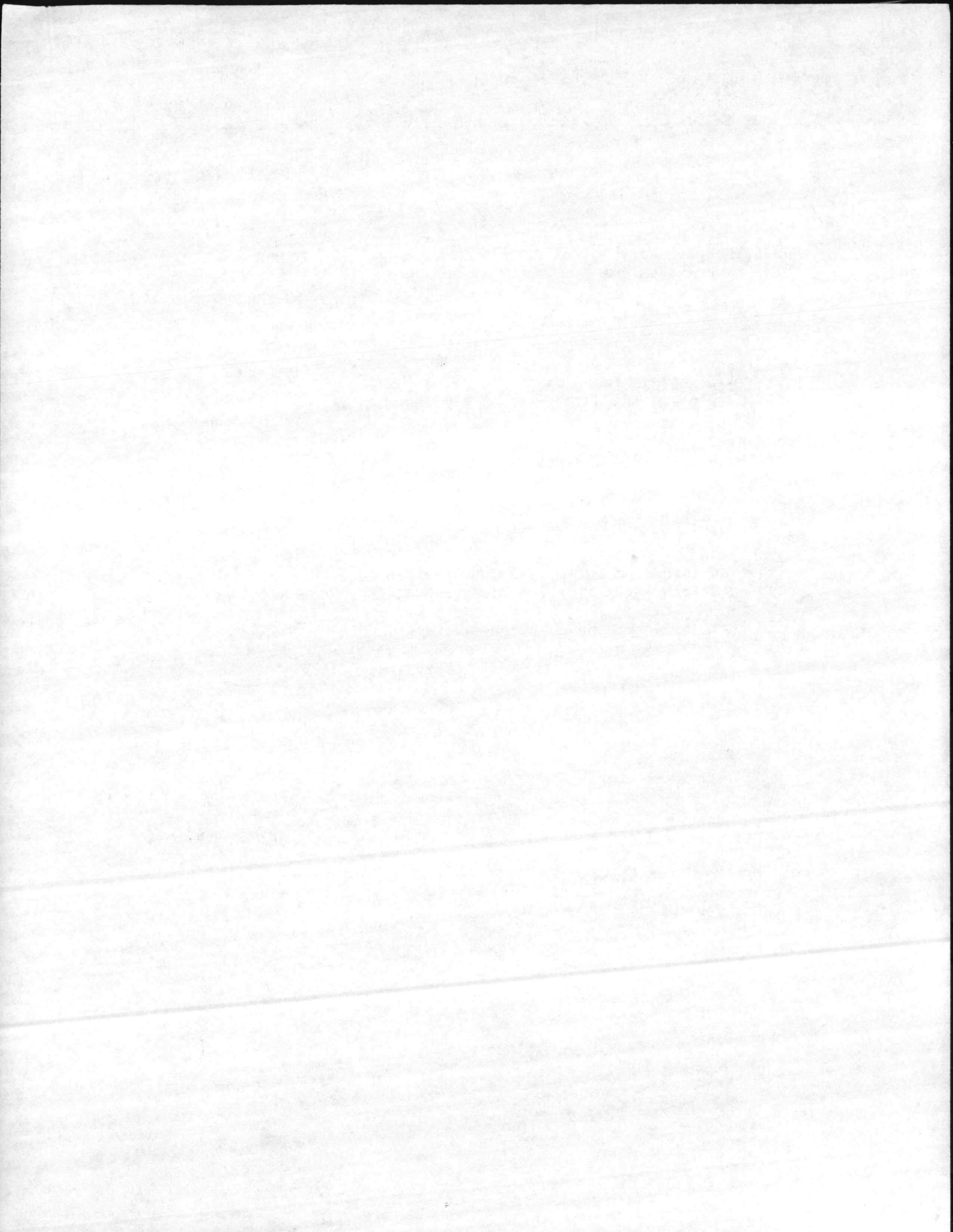
Very truly yours,

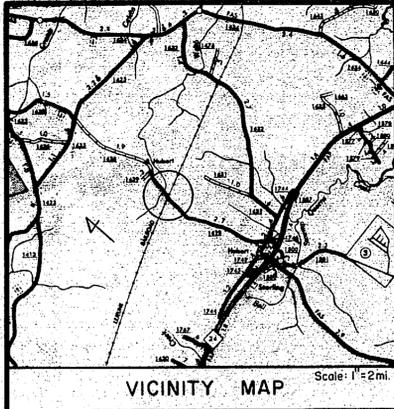
BLACK & VEATCH

David L. Dunn
David L. Dunn

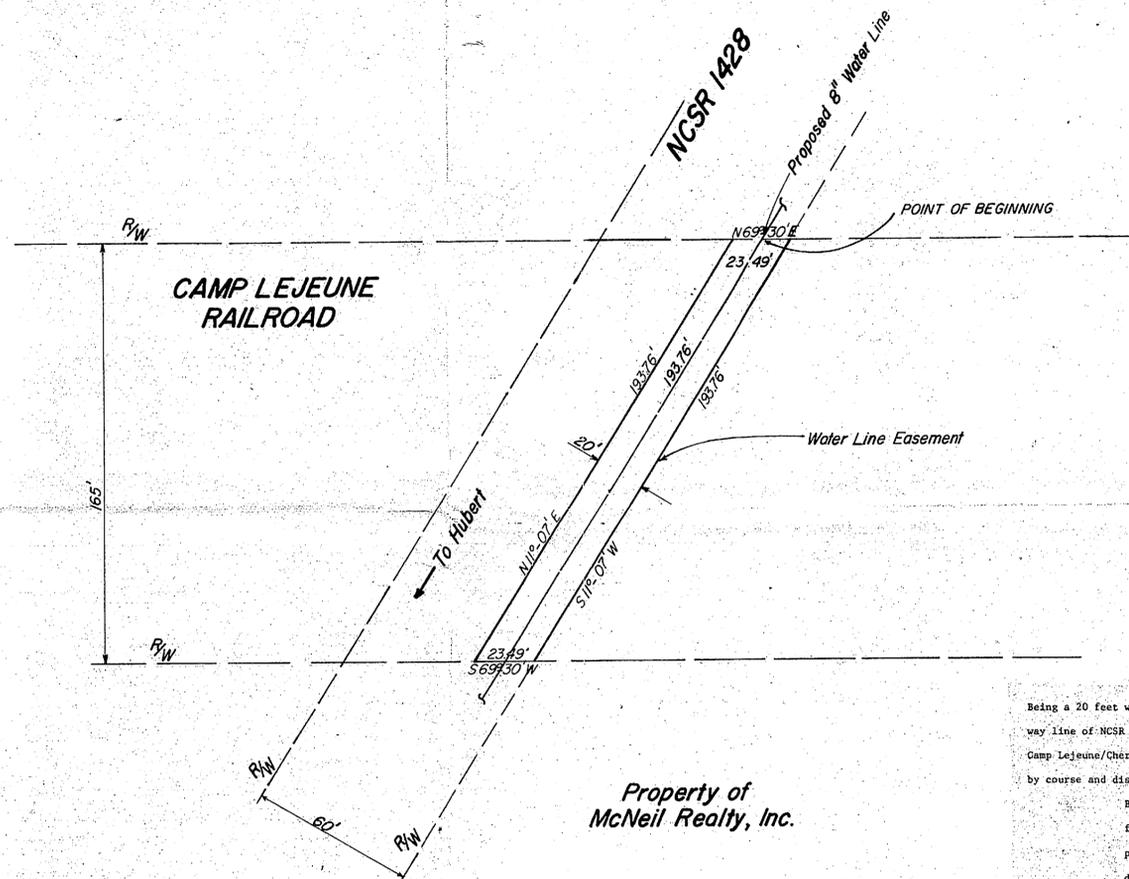
ks
Enclosure

cc: Mr. R. G. Leary w/encl
Mr. Bill Harvey w/encl
Mr. John Jordan w/encl ✓





Property of
McNeil Realty, Inc.



Property of
McNeil Realty, Inc.

Being a 20 feet wide easement along and parallel to the eastern right of way line of NCSR 1428 as it passes through the right of way for the Camp Lejeune/Cherry Point Railroad; and being more particularly described by course and distance as follows:

Beginning at a point on the northern right of way for the Camp Lejeune/Cherry Point Railroad, said point being approximately 2100 feet in a westerly direction from mile post No. 9, thence S11°-07' 193.76 feet along the center line of a 20 feet wide waterline easement, said easement being 10 feet left and right of center line of waterline and contains .045 acres, situated in White Oak Township, Onslow County, North Carolina.

REVISED: 12-21-87
- legal discription
- point of beginning

NORTH CAROLINA
WAKE COUNTY

I, Timothy E. Bass, certify that this map was drawn from an actual field survey, that the error of closure as calculated by latitudes and departures is 1:10,000, that the boundaries not surveyed are shown as broken lines, plotted from deed information, and that this map was prepared in accordance with G.S. 47-30 as amended.

Witness my hand and seal this 22 day of July, 1987.

Timothy E. Bass
Registered Land Surveyor



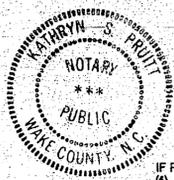
NORTH CAROLINA
WAKE COUNTY

I, Kathryn S. Pruitt, Notary Public, do hereby certify that Timothy E. Bass personally appeared before me this day and acknowledged the due execution of the foregoing document.

Witness my hand and official seal this the 22 day of July, 1987.

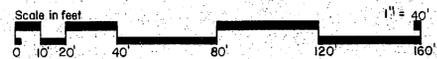
Notary Public Kathryn S. Pruitt

My commission expires July 6, 1990.



IF PRIVATELY MAINTAINED ROADS APPEAR HEREON, N.C.G.S. 136-102.6 (f) REQUIRES THE SUBDIVIDER TO PROVIDE A MAINTENANCE DIS-CLOSURE STATEMENT TO ORIGINAL PURCHASERS WHO ADJUT THEREON.

LEGEND	REFERENCES
● EXISTING IRON	DEED BOOK 696 PAGE 106
○ NEW IRON PIPE SET	MAP BOOK 11 PAGE 51
□ CONCRETE MONUMENT SET	TAX MAP 1147 PARCEL 40
⊠ N.C. D.O.T. R/W MONUMENT	
■ EXISTING CONC. MONUMENT	
- THE DISTANCES ARE UNADJUSTED HORIZONTAL GROUND UNLESS NOTED OTHERWISE	
- AREA BY COORDINATE COMPUTATION	



EASEMENT MAP

WHITE OAK TOWNSHIP
ONSLow COUNTY, NORTH CAROLINA

WATER LINE ADDITIONS

BLACK & VEATCH, INC.
CONSULTING ENGINEERS
RALEIGH
NORTH CAROLINA

DRAWN BY: THM DATE: 7/21/87 CHECKED BY: PCRS

SCALE: 1" = 40' JOB NO.: 2713,010 SHEET 1 OF 1

RECORDED ONSLOW COUNTY BOOK _____ PAGE _____

