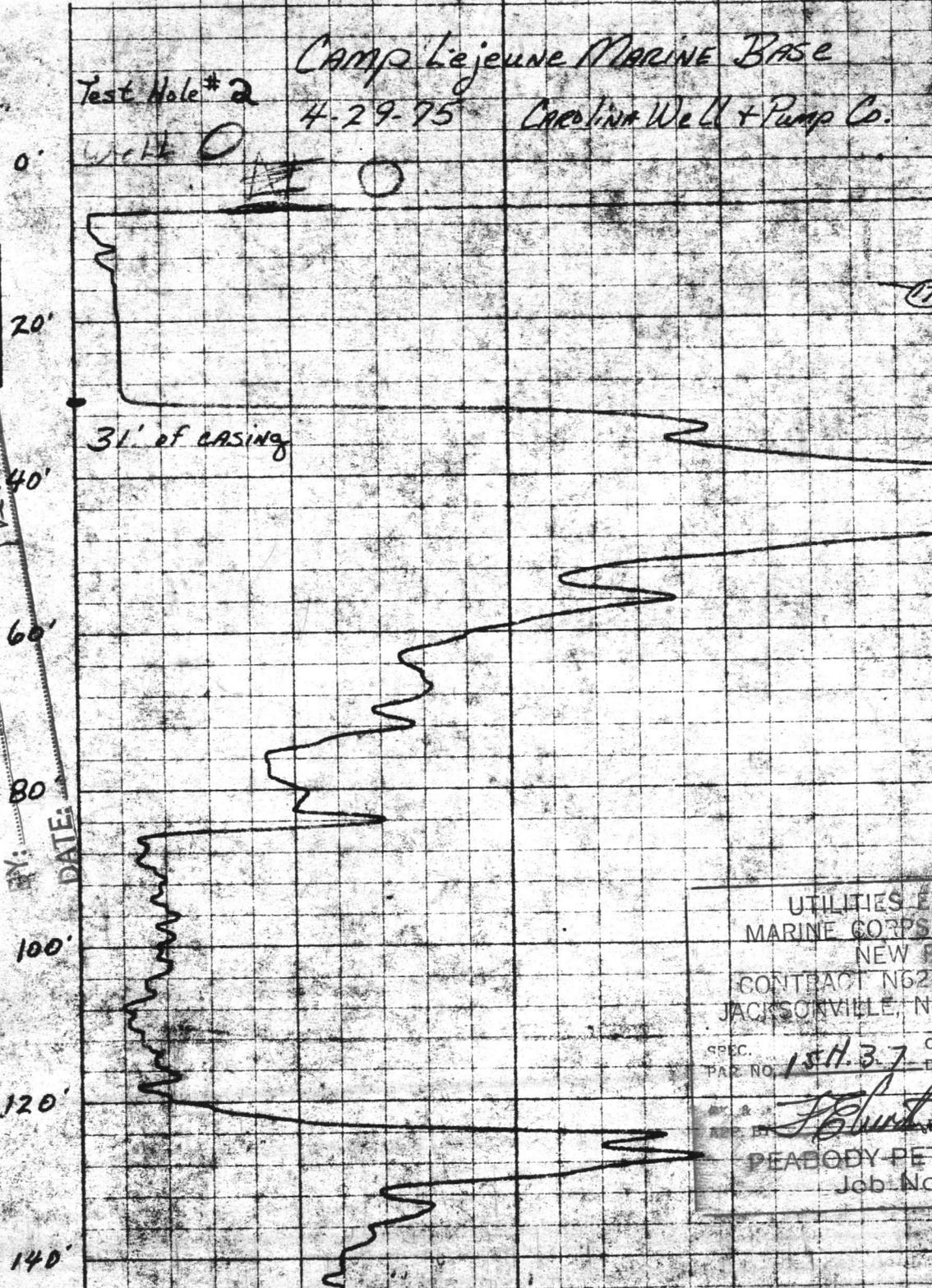


M C A S

WELL +

PUMP INF.

APPROVED  
 SUBJECT TO REQUIREMENTS  
 SPECIFICATIONS & ASSOCIATES  
 J. K. TIMMONS & ASSOCIATES  
 CONSULTING ENGINEERS



Test Hole #2

UTILITIES EXPANSION  
 MARINE CORPS  
 NEW RIVER  
 CONTRACT N62470-301  
 JACKSONVILLE, NORTH CAROLINA

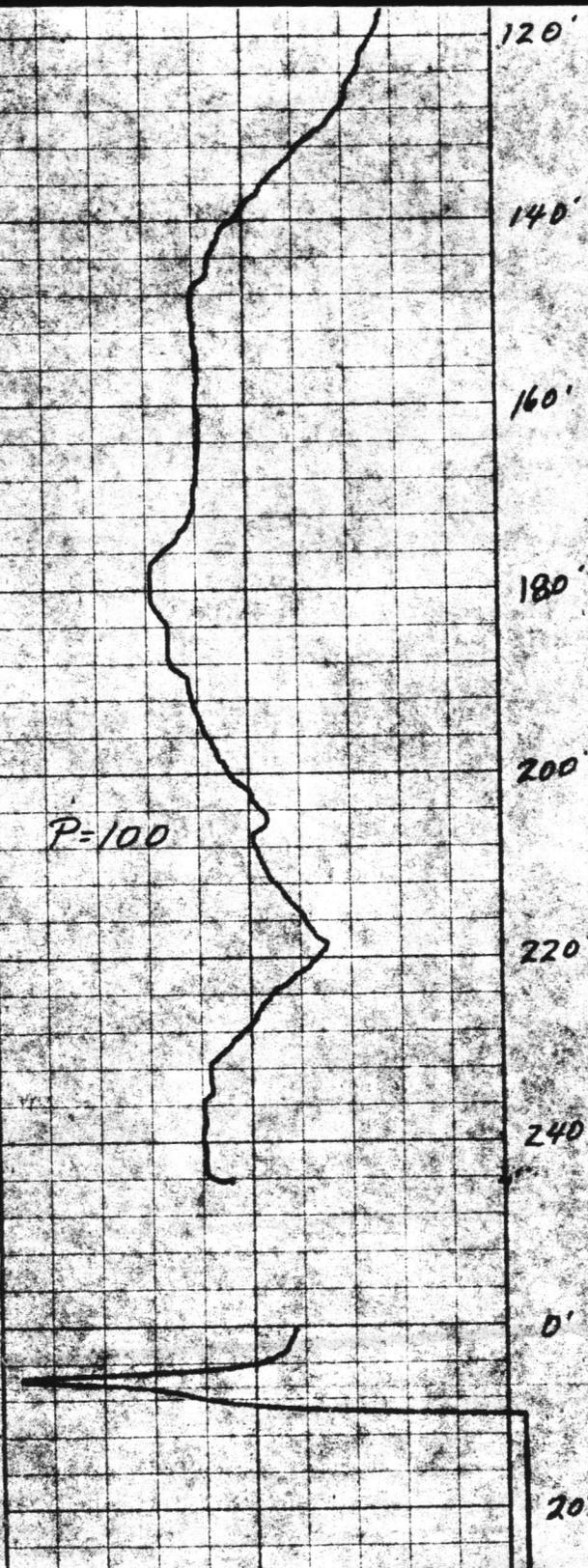
REC. 15H-37 CONTRACT  
 PAR NO. DWG. NO.

BY: J. Hunt DATE 5/22/75

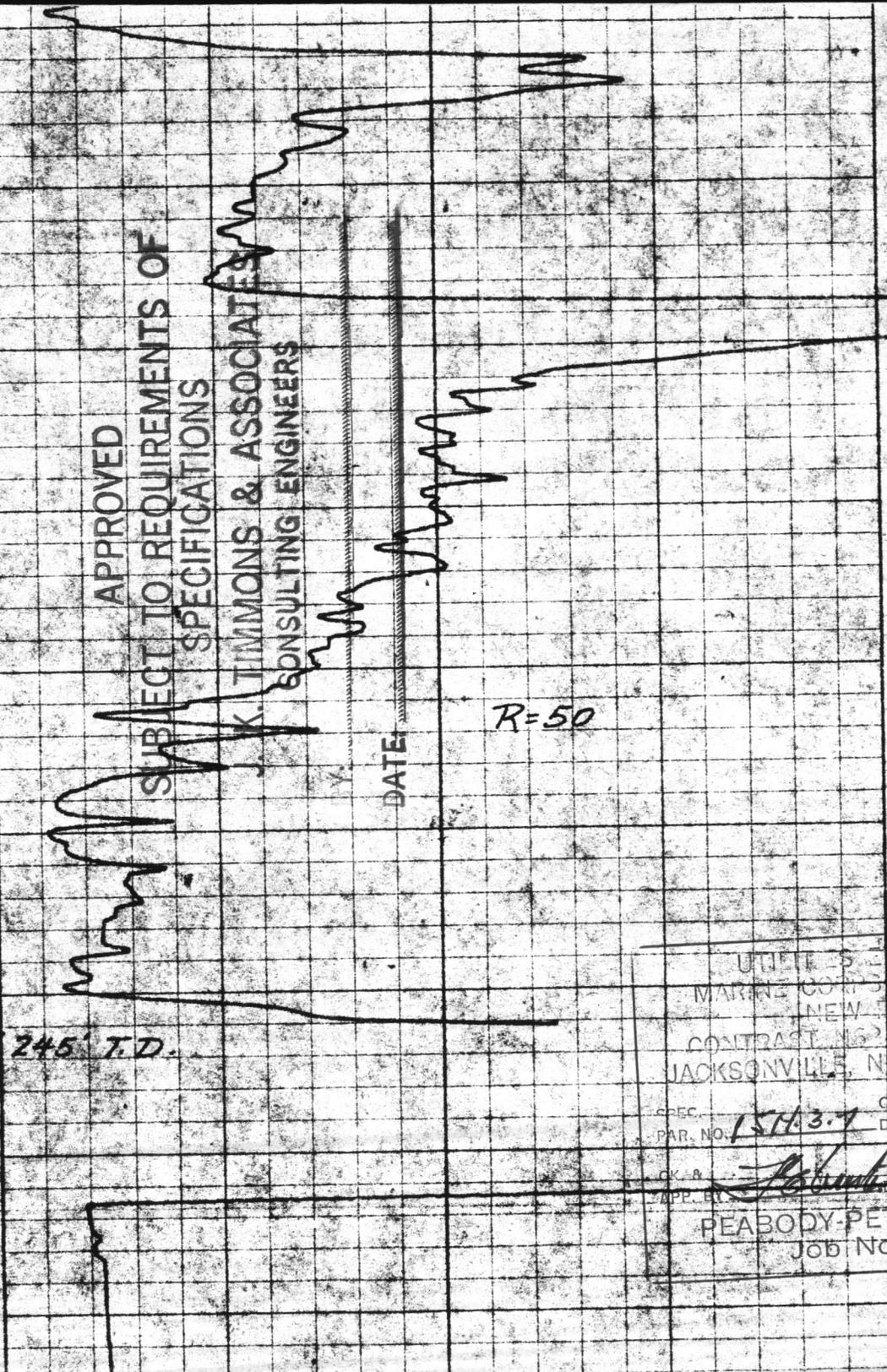
PEABODY-PETERSEN CO.  
 Job No. 7409



RECEIVED  
MARINE CORPS BASE  
CAMP LEJEUNE  
N. C.



P=100



UTILITY EXPANSION  
MARINE CORPS AIR STATION  
NEW TOWER  
CONTRACT NO. 29 3 C-1155  
JACKSONVILLE, NORTH CAROLINA

SPEC. \_\_\_\_\_ CONTRACT.  
PAR. NO. 1514.3.7 DWG. NO. \_\_\_\_\_

CHK. BY: *[Signature]* DATE: 5/22/71  
APP. BY: \_\_\_\_\_

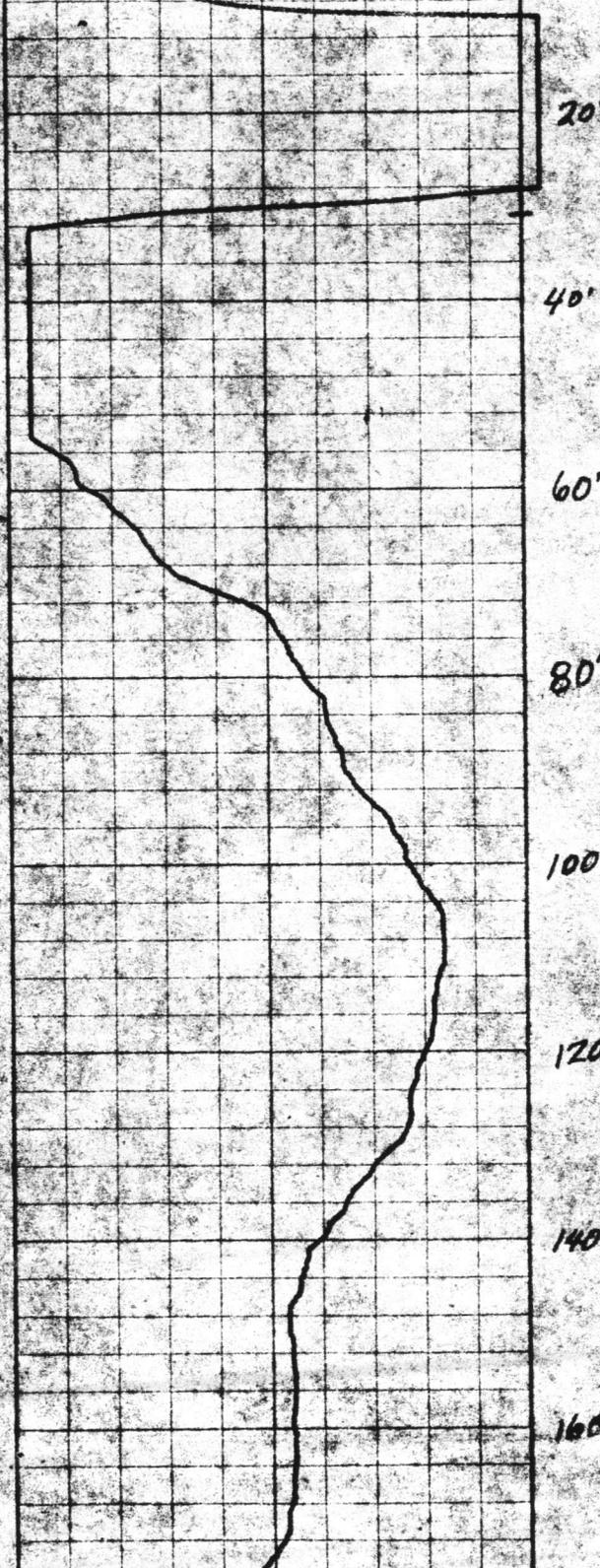
PEABODY-PETERSEN CO.  
JOB NO. 7409

50

DEPARTMENT OF AGRICULTURE  
WASHINGTON, D. C.  
BUREAU OF PLANT INDUSTRY  
OFFICE OF THE ASSISTANT SECRETARY  
FOR PLANT INDUSTRY

R-20

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31" OF CASING

APPROVED  
 SUBJECT TO REQUIREMENTS OF  
 SPECIFICATIONS  
 J. K. TIMMONS & ASSOCIATES  
 CONSULTING ENGINEERS

BY:

DATE:

UTILITIES EXPANSION  
 MARINE CORPS AIR STATION  
 NEW RIVER  
 CONTRACT NO. 2470 73-C-1155  
 ROSSVILLE, NORTH CAROLINA

15H.3.77

APP. BY: *[Signature]* DATE: 5/22/75

PEABODY-PETERSEN CO.  
 Job No. 7409



P=100



160'  
180'  
200'  
220'  
240'

245' T.D.

APPROVED  
SUBJECT TO REQUIREMENTS OF  
SPECIFICATIONS

J. K. TIMMONS & ASSOCIATES  
CONSULTING ENGINEERS

R=100

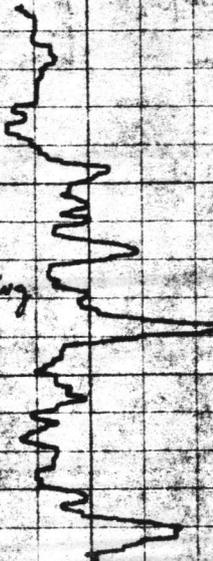
BY:

DATE:

R=100

0'  
20'  
40'  
60'

31' of casing



UTILITY EXPANSION	
MARINE CORP. STATION	
NEW YORK	
CONTRACT NO. 15137	
JACKSONVILLE, FLORIDA	
APP. BY	5/22/70
PEARCE-PETERSEN CO.	
Job No. 409	



DEPARTMENT OF THE ARMY  
HEADQUARTERS  
WASHINGTON, D. C. 20315





140'  
160'  
180'  
200'  
220'  
240'

245' T.D.

APPROVED  
SUBJECT TO REQUIREMENTS OF  
SPECIFICATIONS  
J. K. TIMMONS & ASSOCIATES  
CONSULTING ENGINEERS

BY  
DATE:

*me/*  
*1/16" = .005*  
*1/16" / min.*

UTILITIES EXPANSION  
MARINE CORPS AIR STATION  
NEW RIVER  
CONTRACT NO. 2470-78-C-1155  
JACKSONVILLE, NORTH CAROLINA  
CONTRACT  
NO. 15H-37  
CK. & APP. BY *[Signature]* 5/22/70  
PEABODY PETERSEN CO.  
Job No. 7409

6

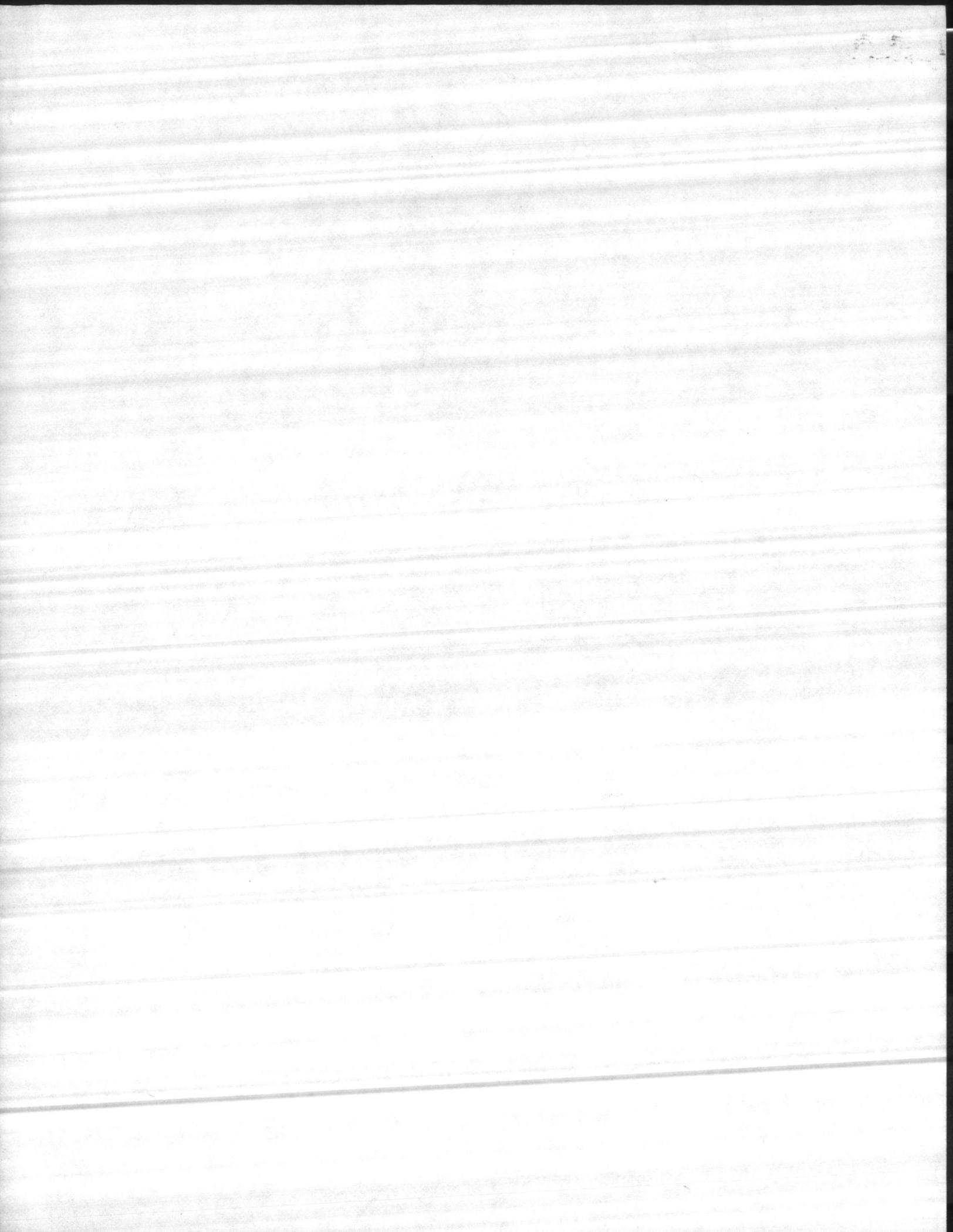


CHLORIDE ANALYSIS OF MCAS(H)-NEW RIVER

<u>Location</u>	<u>Chlorides mg/l</u>
TC 100 B	6
TC 502 D	242
TC 600 E	34
TC 700 F	8
TC 201 H	18
TC 325 I	14
TC 504 J	4
TC 604 K	20
TC 1000 L	14
TC 1001 M	10
STC 1256 N	70
STC 1255 O	70
TC 1254 P	80
STC 1253 Q	28
STC 1251 R	54
AS 190 S	72
AS 191 T	210
AS 131 5	290
203 6	180
5001 7	20
4140 10	374
4150 11	24
AS 106	172
As 5009	

Analysis By: GAINES HUNEYCUTT

Date of Analysis: 26 SEP 84



# Peabody Petersen

Peabody Petersen Co.  
1930 Silver Star Road. | P. O. Box 7934  
Orlando, Florida 32804 | Telephone 305 299-3020

To CAROLINA WELL & Pump Co. Inc.  
P.O. Box 1085  
SANFORD, N.C. 27330

LETTER OF TRANSMITTAL

Date	26 June, 1975	Gal. Ed.
Customer Order No.	N62470-73-C-1155	
Attention	W. PICARD	
Re:	UTILITIES EXPANSION MCAS(H) NEW RIVER JACKSONVILLE, N.C.	
Copies Mailed To:	Home Office OPERATIONS A. BACKHAUS	

Gentlemen:

We are sending You

- the following items:
- Attached
  - Under separate cover via \_\_\_\_\_
  - Shop drawings
  - Prints
  - Plans
  - Samples
  - Specifications
  - Copy of letter
  - Change order

COPIES	DATE	NUMBER	DESCRIPTION
1	12 MAR, 1975	27	DISAPPROVED SHOP DRAWING FOR AUXILIARY PROPANE ENGINE FOR WELLS Q & R.
1	14 APRIL, 1975	25	SUBMITTAL DATA FOR WELLS 'R' (APPROVED AS NOTED)
1	14 APRIL, 1975	26	SUBMITTAL DATA FOR WELLS 'N', 'P', 'Q' (APPROVED AS NOTED)
1	14 APRIL, 1975	24	SUBMITTAL DATA FOR WELLS 'O' (APPROVED AS NOTED)

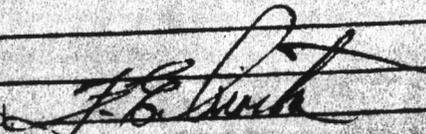
2853 LAWTON PRINTERS Church Distributors

Remarks:

- ① Shop DRAWING FOR ENGINE NEEDS TO BE MORE SPECIFIC. Please verify that submitted engine meets EACH REQUIREMENT LISTED IN PARAGRAPH 156.4.7 OF THE SPECS; PARTICULARLY THE GOVERNOR CHARACTERISTICS & HAND CRANKING CAPABILITIES. SUGGEST YOU CONSIDER A SMALLER ENGINE.
- ② Note that voltage requirement is FOR 208V - NOT 230/460 AS SUBMITTED. Also, requirement for NON-REVERSE RATCHETED RIGHT ANGLE DRIVE.

Copy To: \_\_\_\_\_

Signed





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# Peabody Petersen

Peabody Petersen Co.  
1930 Silver Star Road. | P. O. Box 7934  
Orlando, Florida 32804 | Telephone 305 299-3020

## LETTER OF TRANSMITTAL

Date	8/25/75	Gal. Ed.
Customer Order No.	N62470-73-C-1155	
Attention	MR. WORTH PICKARD	
Re:	UTILITIES EXPANSION	
	M.C.A.S. (4.) NEW RIVER	
	JACKSONVILLE, N.C. 28542	
Copies Mailed To:	HOME OFFICE OPERATIONS	
	DIVISION QUALITY CONTROL REPRESENTATIVE	
	FIELD ENGINEERING FILE.	

To CAROLINA WELL & PUMP Co., Inc.  
P.O. Box 1035  
SOUFORD, NORTH CAROLINA 27330

Gentlemen:

We are sending You

- Attached       Under separate cover via \_\_\_\_\_ the following items:  
 Shop drawings     Prints             Plans             Samples     Specifications  
 Copy of letter       Change order     \_\_\_\_\_

COPIES	DATE	NUMBER	DESCRIPTION
1	8/25/75	49,69,97 AND 100	APPROVED, SUBJECT TO CONTRACT REQUIREMENTS, DATA FOR WELLS R, Q, P, N, & O.

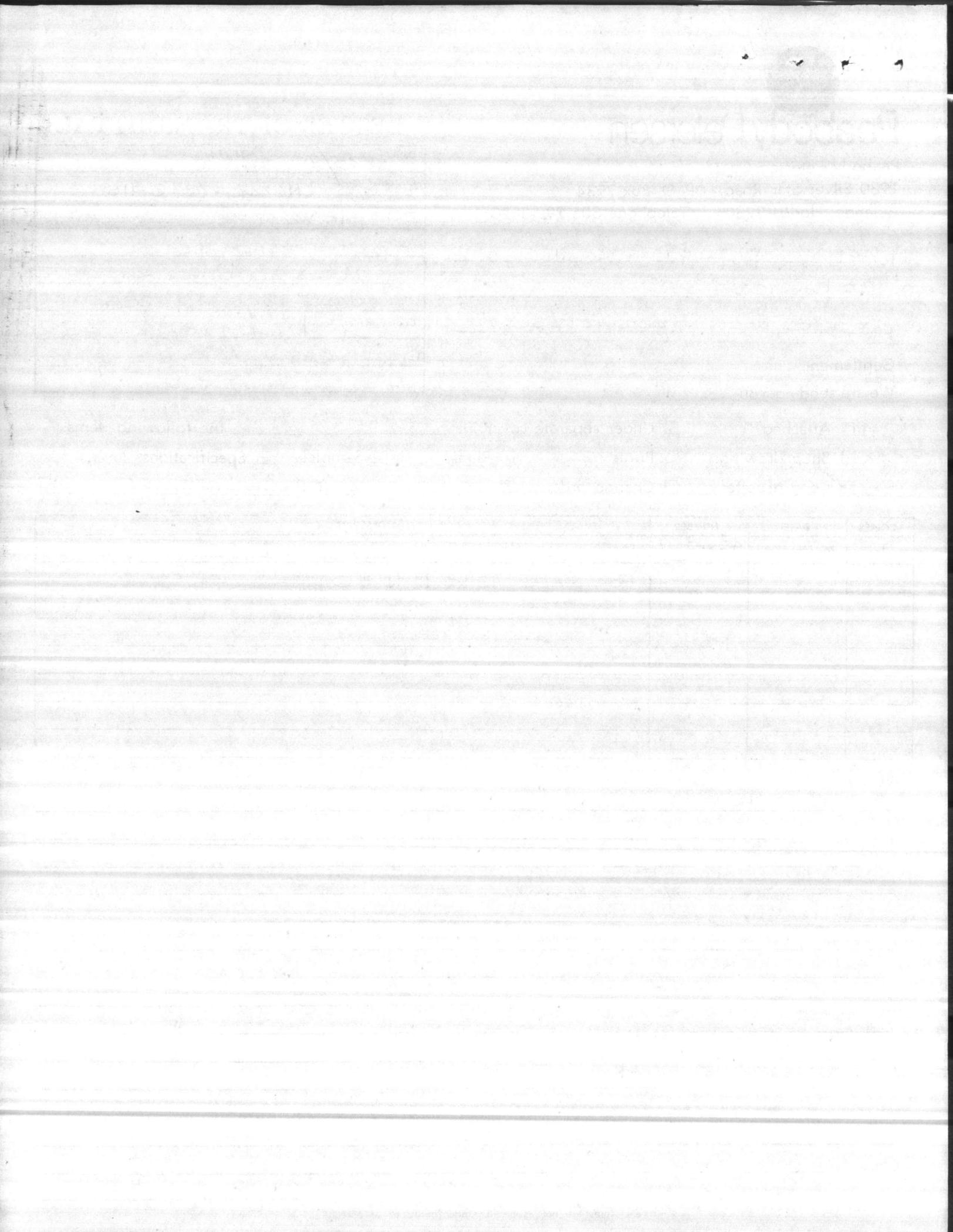
2553 LAWTON PRINTERS Orlando Distributors

Remarks:

FOR YOUR INFORMATION

Copy To: \_\_\_\_\_

Signed: Shawn P. Davis



AM Data made in

DEPARTMENT OF THE NAVY  
RESIDENT OFFICER IN CHARGE  
NAVAL FACILITIES ENGINEERING COMMAND CONTRACTS  
CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO:  
43-510:HH: mec  
N62470-73-C-1155  
19 August 1975

Peabody Petersen Company  
Post Office Drawer 7248  
Jacksonville, North Carolina 28540

Re: Contract N62470-73-C-1155, Utilities  
Expansion, Marine Corps Air Station  
(Helicopter), New River, Jacksonville,  
North Carolina

Gentlemen:

We are returning x herewith \_\_\_\_\_ under separate cover, the  
following shop drawings or data sheets with action indicated.

<u>No of</u>	<u>Dwgs.</u>	<u>Dwg.No.</u>	<u>Description</u>	<u>Action</u>
<u>Your transmittal No. 69 dated 17 June 1975</u>				
1		Data for Well "R"	CAROLINA WELL AND PUMP CO., Recommendations for Well R; N.C. DEPT. OF HUMAN RESOURCES, Analysis of Water, Samples 1 and 2; JOHNSON-KECK, Electric Log	APPROVED, subject to contract requirements
<u>Your transmittal No. 100 dated 18 July 1975</u>				
1		Data for Well "Q"	CAROLINA WELL AND PUMP CO., Recommendations for Well Q; N. C. DEPT. OF HUMAN RESOURCES, Analysis of Water, Samples 1, 2 and 3; JOHNSON-KECK, Electric Log	APPROVED, subject to contract requirements
<u>Your transmittal No. 97 dated 11 July 1975</u>				
1		Data for Well "P"	CAROLINA WELL AND PUMP CO., Recommendations for Well P; N. C. DEPT. OF HUMAN RESOURCES, Analysis of Water, Samples 1, 2, 3 and 4; JOHNSON-KECK, Electric Log	APPROVED, subject to contract requirements

REC'D AUG 22 1975



43-510:HH:mec  
N62470-73-C-1155  
19 August 1975

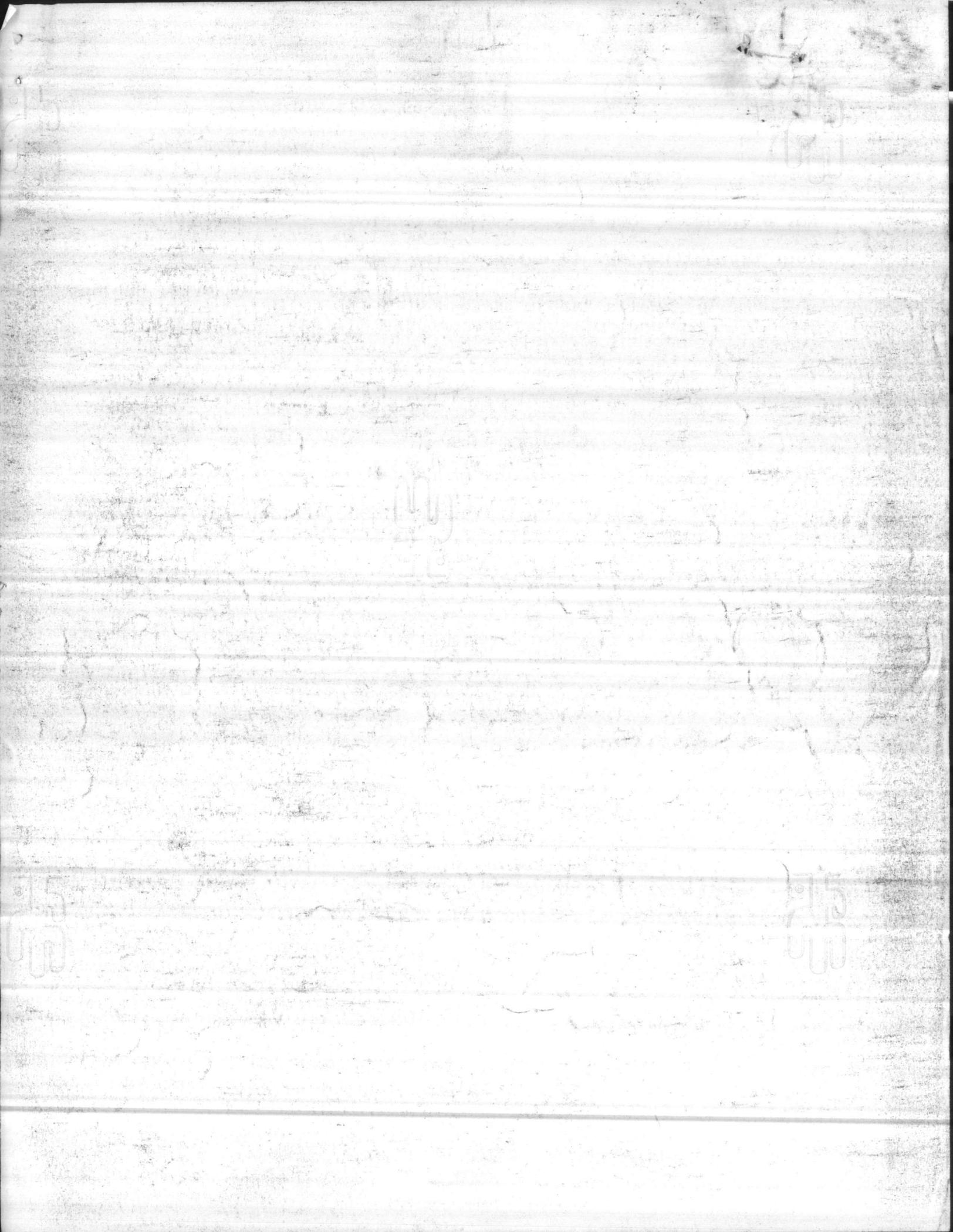
-2-

<u>No. of Dwgs.</u>	<u>Dwg No.</u>	<u>Description</u>	<u>Action</u>
<u>Your transmittal No. 49 dated 22 May 1975</u>			
1	Data for Wells "N" and "O"	Well data and Permanent well recommendations	APPROVED, subject to contract requirements

Sincerely yours,

*K. W. MEEKS*

K. W. MEEKS  
LCDR, CEC, USN  
Assistant Resident Officer  
in Charge of Construction



# Peabody Petersen

Peabody Petersen Co.  
 1930 Silver Star Road, | P. O. Box 7934  
 Orlando, Florida 32804 | Telephone 305 299-3020

To CAROLINA WELL & PUMP CO., INC.  
P.O. Box 1005  
SAUFORD, NORTH CAROLINA 27380

Gentlemen:

We are sending You

- Attached       Under separate cover via \_\_\_\_\_ the following items:  
 Shop drawings     Prints             Plans             Samples     Specifications  
 Copy of letter     Change order     \_\_\_\_\_

## LETTER OF TRANSMITTAL

Date	8/25/75	Gal. Ed.
Customer Order No.	NG2475-75-C-1155	
Attention	Mr. Worth Picked	
Re:	UTILITIES EXPANSION	
	M.C. & S. (d) NEW RIVER	
	JACKSONVILLE N.C. 28512	
Copies Mailed To:	HOME OFFICE OPERATIONS	
	DIVISION QUALITY CONTROL REPRESENTATIVE	
	FIELD ENGINEERING FILE	

COPIES	DATE	NUMBER	DESCRIPTION
1	8/25/75	49 03 97 ENG 100	Approved, Subject To Contract Requirements, Data For Wells R, Q, P, N, & C.

Remarks: For Your Information

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Copy To: \_\_\_\_\_

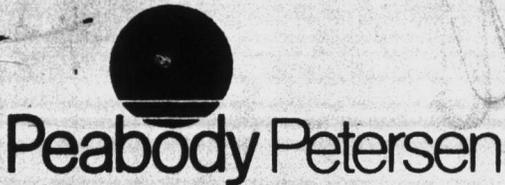
Signed: [Signature]

If enclosures are not as noted, kindly notify us at once.



COOK 100





Peabody Petersen Co.  
 1930 Silver Star Road. | P. O. Box 7934  
 Orlando, Florida 32804 | Telephone 305 299-3020

LETTER OF TRANSMITTAL

Date	8/15/75	Gal. Ed.
Customer Order No.	NG2470-73-C-1155	
Attention	BOICC	
Re:	UTILITIES EXPANSION	
	M.C.A.S. (H.) NEW RIVER	
	JACKSONVILLE N.C. 28542	
Copies Mailed To:	HOME OFFICE OPS DIVISION	
	QUALITY CONTROL & FIELD ENGR. FILE	

To BOICC  
BUILDING No. 1005 MARINE CORPS BASE  
CAMP LEVENE N. C. 28542

Gentlemen:

We are sending You

- Attached
- Under separate cover via \_\_\_\_\_ the following items:
- Shop drawings
- Prints
- Plans
- Samples
- Specifications
- Copy of letter
- Change order
- CERTIFICATE OF COMPLIANCE S.S. SCREENS

COPIES	DATE	NUMBER	DESCRIPTION
4	8/15/75	120	NOTORIZED STATEMENT FOR STAINLESS STEEL SCREEN STRAINERS, CAROLINA WELL & PUMP Co. AS PER SPECIFICATION 15 H. G. 2.

2893 LAWTON PRINTERS Orlando Distributors

Remarks:

FOR YOUR FILES & INFORMATION

Peabody S. E., Inc. # 7409  
 P. O. Drawer 7248  
 Jacksonville, N. C. 28540

Copy To: \_\_\_\_\_

Signed: Clare P. Bond

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REC'D AUG 14 1975

# COOK WELL STRAINER CORP

6330 GLENWAY AVENUE — CINCINNATI, OHIO 45211  
P.O. BOX 11002 — TELEPHONE (513) 481-8800



July 25, 1975

Peabody S. E., Inc.  
P. O. Drawer 7248  
Jacksonville, N. C. 28540

REC'D JUL 29 1975

*Rec'd from Carolina  
Well & Pump Co.*

Carolina Well & Pump Co.  
112 Maple  
Sanford, N.C. 27330

Attn: Mr. Worth Pickard

Dear Sir:

Our invoice No. 35861 (April 28, 1975) for 8" I.D. strainers, shows that they were fabricated using type 304 stainless steel with type 304 stainless steel flush welding rings on each end, and therefore meet the specifications as laid out in the plans for new river project, (subcontract on Peabody Southeastern Project).

Sincerely,

COOK WELL STRAINER CORP.

*Timothy G. Korver*

Timothy G. Korver  
Geologist

TGK/mw

Sworn to before me and subscribed in my presence this 8th day of August 1975 by Timothy G. Korver.

*Ruby A. Hoffman*

RUBY A. HOFFMAN  
Notary Public, Hamilton County, Ohio  
My Commission Expires July 1, 1979

STATE OF HOUSTON



COUNTY OF HOUSTON

SEAL OF THE COUNTY

CLERK OF THE COUNTY

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of said County, this 1st day of January, 1901.



1901





# Peabody Petersen

Peabody Petersen Co.  
1930 Silver Star Road. | P. O. Box 7934  
Orlando, Florida 32804 | Telephone 305 299-3020

## LETTER OF TRANSMITTAL

Date	JULY 8 1975 Gal. Ed.
Customer Order No.	N62470-75-C-1155
Attention	OICC
Re:	UTILITIES EXPANSION MCAS (4) NEW RIVER JACKSONVILLE, N.C.
Copies Mailed To:	HOME OFFICE OPERATIONS DIVISION JACKSONVILLE FIELD OFFICE, QC REP.

To LCDR MEEKS  
BUILDING No. 1005 MARINE CORPS BASE  
CAMP LEVEE, NORTH CAROLINA 28542

Gentlemen:  
We are sending You

- Attached
- Under separate cover via \_\_\_\_\_ the following items:
- Shop drawings
- Prints
- Plans
- Samples
- Specifications
- Copy of letter
- Change order
- CERTIFICATION FOR S.S. SCREENS

COPIES	DATE	NUMBER	DESCRIPTION
4	7/9/75	77	CERTIFICATION - WELL SCREENS - AS PER SPEC PARAGRAPH 15H.6.2.

2553 LAWTON PRINTERS Orlando Distributors

Remarks:  
1. FOR APPROVAL, FILES, & DISTRIBUTION.

Peabody S. E., Inc.  
P. O. Drawer 7248  
Jacksonville, N. C. 28540

Signed: Lawrence P. Bant

University of Texas

Dear Mr. [Name],  
I have received your letter of the 12th and am glad to hear from you.  
I am sorry that I cannot give you a more definite answer at this time.  
I will be glad to discuss this with you if you wish.

Year	Month	Amount	Description
1924	12	100.00	Balance forward
1925	1	50.00	Interest
1925	2	75.00	Interest
1925	3	100.00	Interest
1925	4	125.00	Interest
1925	5	150.00	Interest
1925	6	175.00	Interest
1925	7	200.00	Interest
1925	8	225.00	Interest
1925	9	250.00	Interest
1925	10	275.00	Interest
1925	11	300.00	Interest
1925	12	325.00	Interest
1926	1	350.00	Interest
1926	2	375.00	Interest
1926	3	400.00	Interest
1926	4	425.00	Interest
1926	5	450.00	Interest
1926	6	475.00	Interest
1926	7	500.00	Interest
1926	8	525.00	Interest
1926	9	550.00	Interest
1926	10	575.00	Interest
1926	11	600.00	Interest
1926	12	625.00	Interest
1927	1	650.00	Interest
1927	2	675.00	Interest
1927	3	700.00	Interest
1927	4	725.00	Interest
1927	5	750.00	Interest
1927	6	775.00	Interest
1927	7	800.00	Interest
1927	8	825.00	Interest
1927	9	850.00	Interest
1927	10	875.00	Interest
1927	11	900.00	Interest
1927	12	925.00	Interest
1928	1	950.00	Interest
1928	2	975.00	Interest
1928	3	1000.00	Interest
1928	4	1025.00	Interest
1928	5	1050.00	Interest
1928	6	1075.00	Interest
1928	7	1100.00	Interest
1928	8	1125.00	Interest
1928	9	1150.00	Interest
1928	10	1175.00	Interest
1928	11	1200.00	Interest
1928	12	1225.00	Interest
1929	1	1250.00	Interest
1929	2	1275.00	Interest
1929	3	1300.00	Interest
1929	4	1325.00	Interest
1929	5	1350.00	Interest
1929	6	1375.00	Interest
1929	7	1400.00	Interest
1929	8	1425.00	Interest
1929	9	1450.00	Interest
1929	10	1475.00	Interest
1929	11	1500.00	Interest
1929	12	1525.00	Interest
1930	1	1550.00	Interest
1930	2	1575.00	Interest
1930	3	1600.00	Interest
1930	4	1625.00	Interest
1930	5	1650.00	Interest
1930	6	1675.00	Interest
1930	7	1700.00	Interest
1930	8	1725.00	Interest
1930	9	1750.00	Interest
1930	10	1775.00	Interest
1930	11	1800.00	Interest
1930	12	1825.00	Interest
1931	1	1850.00	Interest
1931	2	1875.00	Interest
1931	3	1900.00	Interest
1931	4	1925.00	Interest
1931	5	1950.00	Interest
1931	6	1975.00	Interest
1931	7	2000.00	Interest
1931	8	2025.00	Interest
1931	9	2050.00	Interest
1931	10	2075.00	Interest
1931	11	2100.00	Interest
1931	12	2125.00	Interest
1932	1	2150.00	Interest
1932	2	2175.00	Interest
1932	3	2200.00	Interest
1932	4	2225.00	Interest
1932	5	2250.00	Interest
1932	6	2275.00	Interest
1932	7	2300.00	Interest
1932	8	2325.00	Interest
1932	9	2350.00	Interest
1932	10	2375.00	Interest
1932	11	2400.00	Interest
1932	12	2425.00	Interest
1933	1	2450.00	Interest
1933	2	2475.00	Interest
1933	3	2500.00	Interest
1933	4	2525.00	Interest
1933	5	2550.00	Interest
1933	6	2575.00	Interest
1933	7	2600.00	Interest
1933	8	2625.00	Interest
1933	9	2650.00	Interest
1933	10	2675.00	Interest
1933	11	2700.00	Interest
1933	12	2725.00	Interest
1934	1	2750.00	Interest
1934	2	2775.00	Interest
1934	3	2800.00	Interest
1934	4	2825.00	Interest
1934	5	2850.00	Interest
1934	6	2875.00	Interest
1934	7	2900.00	Interest
1934	8	2925.00	Interest
1934	9	2950.00	Interest
1934	10	2975.00	Interest
1934	11	3000.00	Interest
1934	12	3025.00	Interest
1935	1	3050.00	Interest
1935	2	3075.00	Interest
1935	3	3100.00	Interest
1935	4	3125.00	Interest
1935	5	3150.00	Interest
1935	6	3175.00	Interest
1935	7	3200.00	Interest
1935	8	3225.00	Interest
1935	9	3250.00	Interest
1935	10	3275.00	Interest
1935	11	3300.00	Interest
1935	12	3325.00	Interest
1936	1	3350.00	Interest
1936	2	3375.00	Interest
1936	3	3400.00	Interest
1936	4	3425.00	Interest
1936	5	3450.00	Interest
1936	6	3475.00	Interest
1936	7	3500.00	Interest
1936	8	3525.00	Interest
1936	9	3550.00	Interest
1936	10	3575.00	Interest
1936	11	3600.00	Interest
1936	12	3625.00	Interest
1937	1	3650.00	Interest
1937	2	3675.00	Interest
1937	3	3700.00	Interest
1937	4	3725.00	Interest
1937	5	3750.00	Interest
1937	6	3775.00	Interest
1937	7	3800.00	Interest
1937	8	3825.00	Interest
1937	9	3850.00	Interest
1937	10	3875.00	Interest
1937	11	3900.00	Interest
1937	12	3925.00	Interest
1938	1	3950.00	Interest
1938	2	3975.00	Interest
1938	3	4000.00	Interest
1938	4	4025.00	Interest
1938	5	4050.00	Interest
1938	6	4075.00	Interest
1938	7	4100.00	Interest
1938	8	4125.00	Interest
1938	9	4150.00	Interest
1938	10	4175.00	Interest
1938	11	4200.00	Interest
1938	12	4225.00	Interest
1939	1	4250.00	Interest
1939	2	4275.00	Interest
1939	3	4300.00	Interest
1939	4	4325.00	Interest
1939	5	4350.00	Interest
1939	6	4375.00	Interest
1939	7	4400.00	Interest
1939	8	4425.00	Interest
1939	9	4450.00	Interest
1939	10	4475.00	Interest
1939	11	4500.00	Interest
1939	12	4525.00	Interest
1940	1	4550.00	Interest
1940	2	4575.00	Interest
1940	3	4600.00	Interest
1940	4	4625.00	Interest
1940	5	4650.00	Interest
1940	6	4675.00	Interest
1940	7	4700.00	Interest
1940	8	4725.00	Interest
1940	9	4750.00	Interest
1940	10	4775.00	Interest
1940	11	4800.00	Interest
1940	12	4825.00	Interest
1941	1	4850.00	Interest
1941	2	4875.00	Interest
1941	3	4900.00	Interest
1941	4	4925.00	Interest
1941	5	4950.00	Interest
1941	6	4975.00	Interest
1941	7	5000.00	Interest
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1941	9	5050.00	Interest
1941	10	5075.00	Interest
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1941	12	5125.00	Interest
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1942	6	5275.00	Interest
1942	7	5300.00	Interest
1942	8	5325.00	Interest
1942	9	5350.00	Interest
1942	10	5375.00	Interest
1942	11	5400.00	Interest
1942	12	5425.00	Interest
1943	1	5450.00	Interest
1943	2	5475.00	Interest
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1943	7	5600.00	Interest
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1944	6	5875.00	Interest
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1944	10	5975.00	Interest
1944	11	6000.00	Interest
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1946	2	6375.00	Interest
1946	3	6400.00	Interest
1946	4	6425.00	Interest
1946	5	6450.00	Interest
1946	6	6475.00	Interest
1946	7	6500.00	Interest
1946	8	6525.00	Interest
1946	9	6550.00	Interest
1946	10	6575.00	Interest
1946	11	6600.00	Interest
1946	12	6625.00	Interest
1947	1	6650.00	Interest
1947	2	6675.00	Interest
1947	3	6700.00	Interest
1947	4	6725.00	Interest
1947	5	6750.00	Interest
1947	6	6775.00	Interest
1947	7	6800.00	Interest
1947	8	6825.00	Interest
1947	9	6850.00	Interest
1947	10	6875.00	Interest
1947	11	6900.00	Interest

21 North Hamilton  
Houston, Texas 77002



Call Collect  
713/227-4111

July 1, 1975

CAROLINA WELL & PUMP CO.  
P.O. Box 1085  
Sanford, N.C. 27330

Dear Sir:

Reference: New River Job  
Camp LeJeune, N.C.

The screens supplied on invoice #17035 are constructed entirely of Type 304 Stainless Steel and meets specifications as outlined in paragraph 15 on well specifications concerning subject well.

Very truly yours,

HOUSTON WELL SCREEN COMPANY

Earl G. Newman

Feabody-S. E., Inc.  
P.O. Drawer 7248  
Jacksonville, N. C. 28540

REC'D JUL 08 1975

EGN:gd

State of Texas  
County of Harris

Subscribed and sworn to before me this the 1st day of July  
in the year of 1975.

  
John D. Roe - Notary Public  
in and for Harris County Texas



## ELKAY LIMITED WARRANTY

Each water cooler sold by Elkay Manufacturing Company is warranted as follows:

### WATER & REFRIGERATION COMPONENTS—ONE YEAR

The following water cooler components are warranted for a period of one year from the date of installation:

*Regulator Cartridge	Compressor
*Bubbler	Condenser
Water Lines	Capillary Tube
Tank	Drier
*Glass Filler	Refrigeration Lines

\*Water components are not covered by this warranty if they are inoperative due to liming or other line stoppage.

### ELECTRICAL COMPONENTS—ONE YEAR

The following water cooler components are warranted for a period of one year from the date of installation:

Starting Relay	Fan Motor
Overload Protector	Wiring
Temperature Control	Hot Tank Assembly

The Elkay Manufacturing Company's warranty obligation shall be limited to repairing or replacing any part of the product which Elkay examination discloses to be defective and which has not been subject to accident, alteration or misuse. The warranty includes freight (not express) to and from factory within the continental limits of the U.S.A. This warranty is in lieu of all other warranties and obligation.

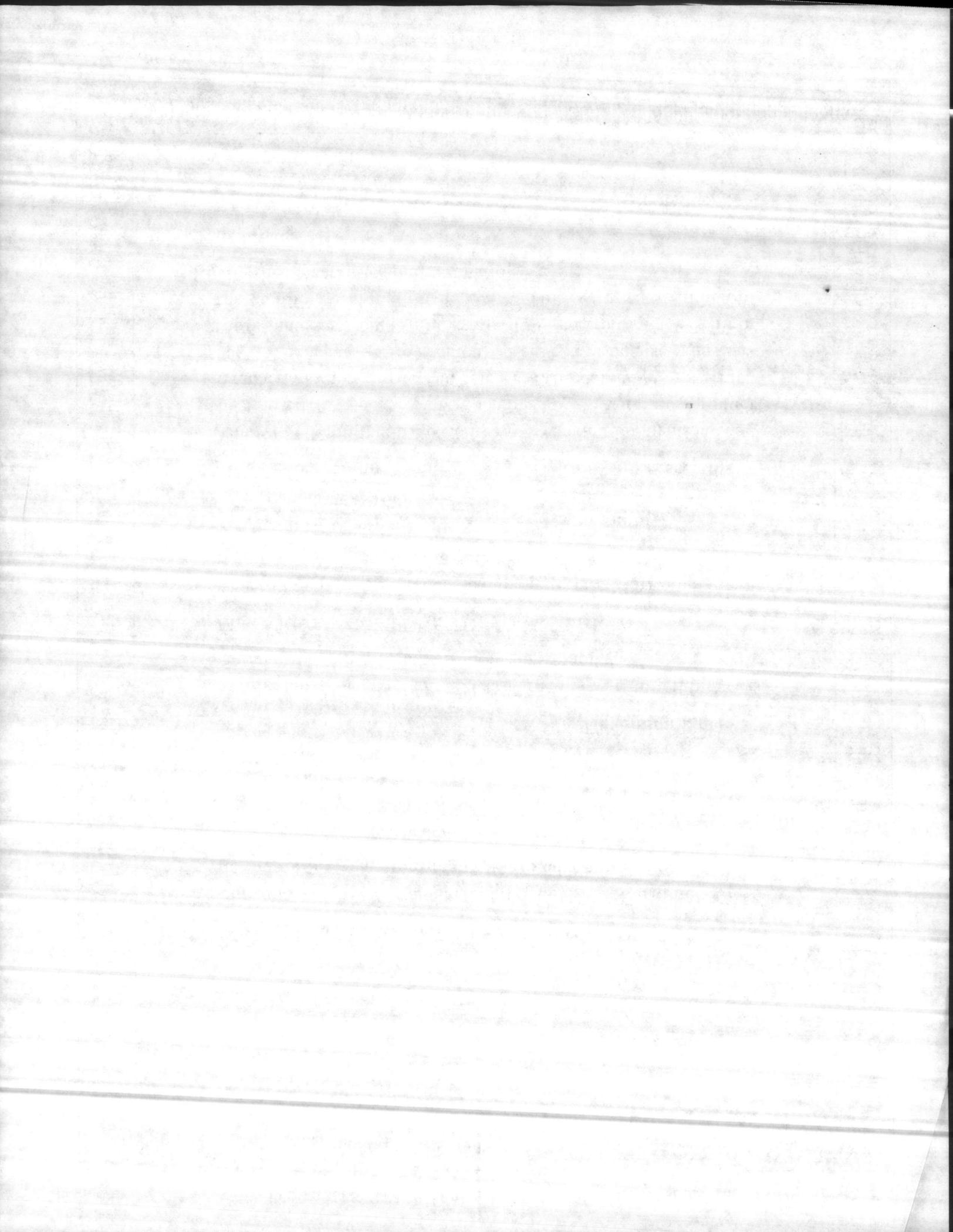
 **ELKAY** MANUFACTURING COMPANY

2700 SOUTH 17TH AVENUE • BROADVIEW, ILLINOIS 60153

DATE OF INSTALLATION \_\_\_\_\_

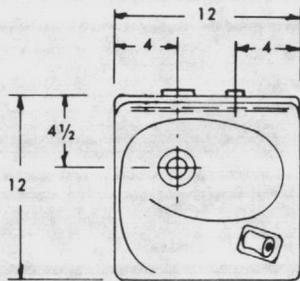
SERIAL NO. \_\_\_\_\_

(To Be Filled In By Installer)

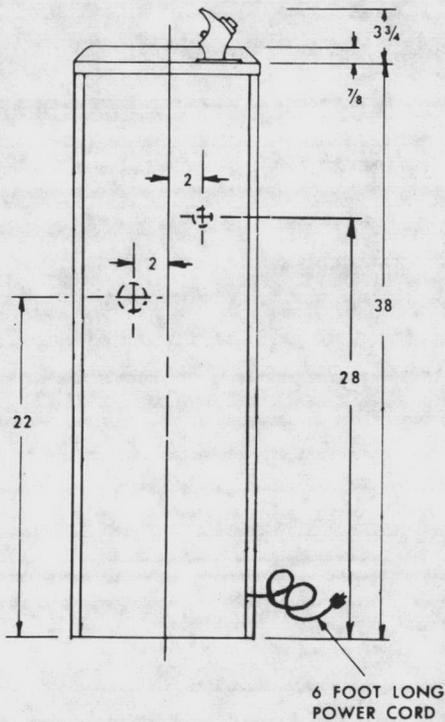


ROUGHING-IN DRAWING FOR:  
COMPACT TYPE WATER COOLERS

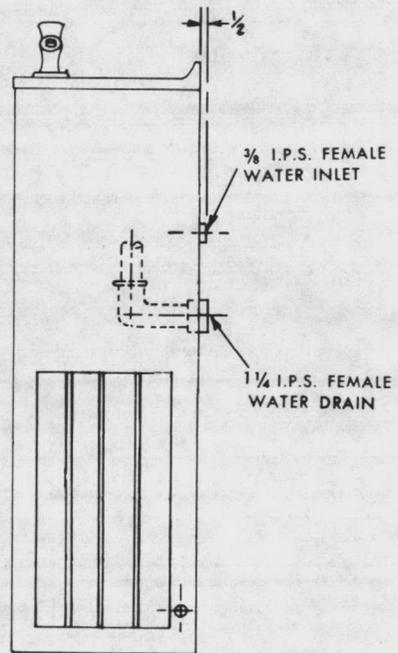
FREE STANDING STYLE



TOP VIEW



FRONT VIEW



SIDE VIEW



2/17/75

Page Two

Par. 15F.6.3

One (1) W & T Paste Slaker Series A-758, capacity 1000 pph complete with pre-wired control panel and standard accessories.

Par. 15F.6.2

One (1) Rotary inlet valve for inlet to above slaker

Par. 15F.6.1

One (1) Converging hopper for inlet to above rotary valve: complete with Hi and Lo level probes and one vibrator.

Par. 15F.6.4

One (1) Lime solution tank, 500 gal. capacity complete with level probes and mechanical mixer.

Par. 15F.6.5

One (1) W & T Slurry Metering Pump, dual head type, Series 44-325 having a total pumping capacity of 5000 gpd.

Par. 14A.7

One (1) Dust Collector as specified.

CODE 6245 PRICE-----\$25,327.00

Par. 15F.11

Two (2) W & T Chlorinators, Series V-800 having a capacity of 200 ppd equipped for residual control by means of motorized vacuum valves.

One (1) Lot of Chlorine Gas Header accessories including flexible tubing and header valves for two ton cylinders and one (1) Series 50-175C automatic switchover unit for the cylinder end and not including any black iron pipe or fittings for the header.

Two (2) W & T Chlorine Residual Analyzer Recorder Controller Series A-767/A-773 for controlling above chlorinators by residual, complete with standard accessories and one (1) Series A-790 Amperometric Titrator.

Two (2) Sample Pump

Two (2) Main connection for 1 1/2" PVC pipe consisting of one insert nozzle and one 1 1/2" PVC ball valve each.

One (1) Two-in-three out chlorine solution distribution panel.

Par. 15F.12

One (1) Chlorine Scale, hydraulic cell type for two ton cylinders complete with trunnions, 8 1/2" dial and 12 ft. of interconnecting tubing with quick disconnect fittings.

CODE 6241 PRICE-----15,905.00

  
AUTHORIZED SIGNATURE

One (1) ... valve ...

EQUIPMENT FOR SEWAGE TREATMENT PLANT

Par. 151.18.1

One (1) polymer feed pump, W & T Series 44-216 having a capacity of 1500 gpd mounted on a standard pump stand, complete with controls as specified slow speed mixer and a 105 gallon polyethylene tank.

Par. 151.18.2

One (1) Alum Feed Pump, W & T Series 44-125 having a capacity of 2500 gpd mounted on a standard pump stand complete with controls as specified, standard mixer and 210 gallon polyethylene tank.

CODE 6245 PRICE----- 4,000.00

SERVICES OF A WALLACE AND TIERNAN REPRESENTATIVE TO START UP AND CHECK OUT THE EQUIPMENT, AFTER INSTALLATION BY OTHERS, FOR A MAXIMUM OF FIVE (5) EIGHT HOUR DAYS. TIME AND SERVICE REQUIREMENTS BEYOND THIS CAN BE FURNISHED AT THE THEN CURRENT PER DIEM RATE.

TOTAL PRICE-----\$45,232.00

70.850  
21.500  
48.250

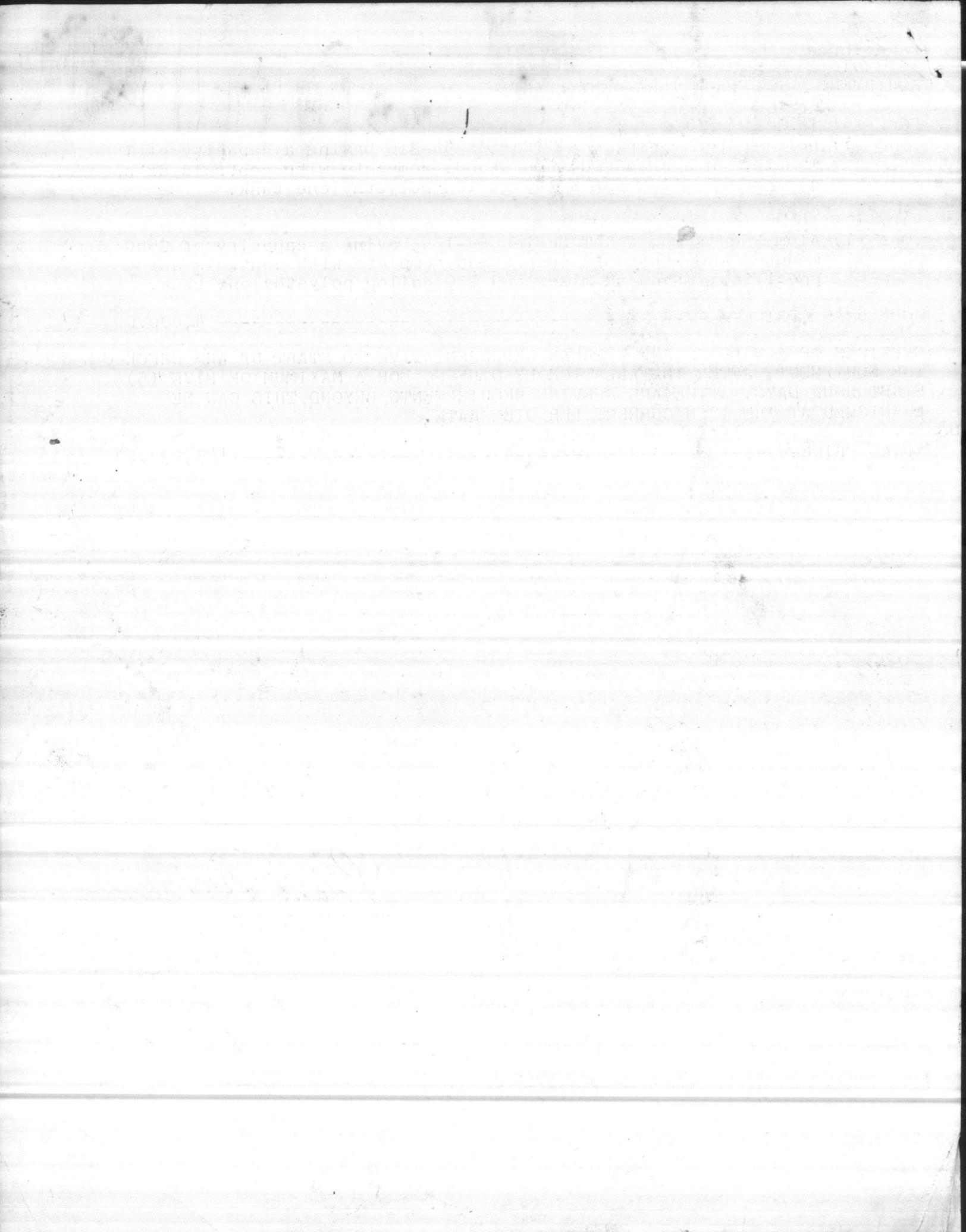
20.500  
10.900  
21.500

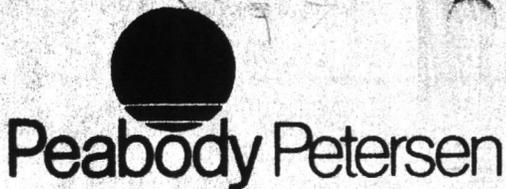
12250  
9000  
2250

63700  
59300  
67200

*Robert D. Francis*  
\_\_\_\_\_  
AUTHORIZED SIGNATURE

570  
100  
300





Peabody Petersen Co.  
 1930 Silver Star Road. | P. O. Box 7934  
 Orlando, Florida 32804 | Telephone 305 299-3020

LETTER OF TRANSMITTAL

Date	26 JUN 67 1977	Gal. Ed.
Customer Order No.	NEZAYC-73-C-165	
Attention	W. RICHARD	
Re:	UTILITIES EXPANSION MCAS(H) NEW RIVER JACKSONVILLE, N.C.	
Copies Mailed To:	Home Office OPERATIONS A. BALKHANS	

To: CAROLINA Well & Pump Co. Inc.  
 P.O. Box 1085  
 SAFFORD, N.C. 27330

Gentlemen:

We are sending You

- Attached       Under separate cover via \_\_\_\_\_ the following items:  
 Shop drawings     Prints             Plans             Samples         Specifications  
 Copy of letter       Change order     \_\_\_\_\_

COPIES	DATE	NUMBER	DESCRIPTION
1	12 MAR 1975	27	DISAPPROVED SHOP DRAWING FOR AUXILIARY PROPANE ENGINE FOR WELLS G & R.
1	14 April 1975	25	SUBMITTAL DATA FOR WELL R (APPROVED AS NOTED)
1	14 April 1975	26	SUBMITTAL DATA FOR WELL N.P.O. (APPROVED AS NOTED)
1	14 April 1975	24	SUBMITTAL DATA FOR WELL O (APPROVED AS NOTED)

2993 LAMTON PRINTING Orlando, Florida

Remarks:

- Shop drawing for engine needs to be more specific. Please verify that submitted engine meets each requirement listed in Paragraph 156.4.7 of the specs, particularly the performance characteristics & hand cranking capabilities. Suggest you consider a smaller engine.
- Note that voltage requirement is for 208V - not 230/415 Hz. Submitted. Also, requirement for non-reverse rotation on right angle drive.

Copy To: \_\_\_\_\_

Signed: \_\_\_\_\_

100

100

100

WATER ANALYSIS LABORATORY  
802 HAMLET HIGHWAY  
BENNETTSVILLE, SOUTH CAROLINA  
29512

CONSULTANTS FOR:  
INDUSTRY  
MUNICIPALITIES  
HOME OWNERS  
DEVELOPERS  
IRRIGATION  
OTHERS

(803) 479-~~EAST~~ COAST CONSTRUCTION CO., INC.  
CONTRACT N62470-76-C-6800  
REPLACE WATER WELLS  
MARINE CORPS BASE  
CAMP LEJUENE, NC

DATE: 12/13/77

Report To: Carolina Well & Pump Co.  
Sanford, N. C.

Date Analyzed: 12/13/77  
Sample Number: 195'-200' #2  
WELL "B" Air Base

Analysis Results--Parts Per Million

Determination

pH	<u>7.2</u>
Iron (Fe)	<u>0.25</u>
Nitrate (NO <sub>3</sub> )	<u>0</u>
Fluoride (F)	<u>1.1</u>
Manganese (Mn)	<u>0</u>
Total Hardness (CaCO <sub>3</sub> )	<u>102</u>
Chlorides (Cl)	<u>26</u>
Sulfate (SO <sub>4</sub> )	<u>22.8</u>
Phosphate (PO <sub>4</sub> )	<u>Trace</u>
Magnesium (Mg)	<u>8.2</u>
Calcium (Ca)	<u>27.2</u>
Carbonate (CO <sub>3</sub> )	<u>0</u>
Bicarbonate (HCO <sub>3</sub> )	<u>463</u>
Hydroxide (OH)	<u>0</u>

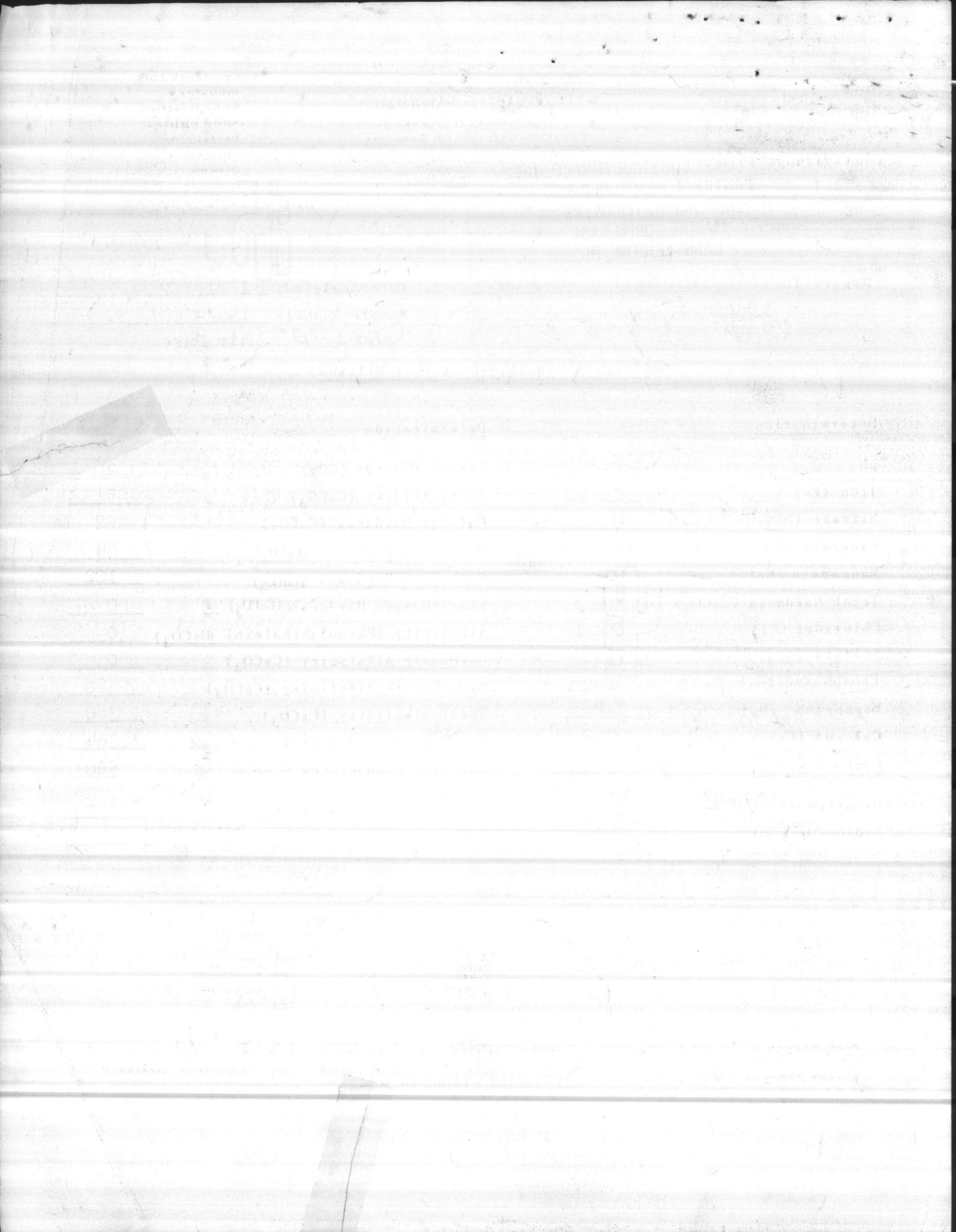
Determination

Carbon Dioxide (CO <sub>2</sub> )	<u>2</u>
Total Acidity (CaCO <sub>3</sub> )	<u>5</u>
Calcium Hardness (CaCO <sub>3</sub> )	<u>68</u>
Magnesium Hardness (CaCO <sub>3</sub> )	<u>34</u>
Carbonate Hardness (CaCO <sub>3</sub> )	<u>102</u>
Noncarbonate Hardness (CaCO <sub>3</sub> )	<u>0</u>
Alkalinity (Phenolphthalein) (CaCO <sub>3</sub> )	<u>0</u>
Carbonate Alkalinity (CaCO <sub>3</sub> )	<u>0</u>
Bicarbonate Alkalinity (CaCO <sub>3</sub> )	<u>380</u>
Total Alkalinity (CaCO <sub>3</sub> )	<u>380</u>
Total Dissolved Solids	<u>364</u>
Specific Conductance (micromhos at 25°C)	<u>560</u>

Appearance When Analyzed Clear  
Odor When Analyzed Not Objectionable

*Walter Analytical Laboratory*  
SIGNED: Bennettville, South Carolina 29512  
LABORATORY DIRECTOR

ANALYTICAL METHODS REFERENCES: 'STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTE-WATER,' APHA, AWWA AND WPCF AND 'METHODS FOR COLLECTION AND ANALYSIS OF WATER SAMPLES,' WATER SUPPLY PAPER 1454 (1960), U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C.



NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES  
**CHEMICAL ANALYSIS OF WATER**  
 Division of Health Services, Laboratory Section  
 P. O. Box 28047, Raleigh, North Carolina 27611

Complete all items above Heavy Line  
 (see instructions on reverse side)

Name of Owner or Supply: CAMP LEJUNE

Address: JACKSONVILLE, N.C.

Well No. 0

County: ONSLAW

Report to: WORTH F. PICKARD

Address: BOX 1085

SANFORD, N.C. 27330

Collected by: RALPH W. HARRISON

Date Collected: 8/13/75

Remarks: ON RIMMING TEST SPEC MARINE BASE

Type of Supplier:

<input type="checkbox"/> 1-Municipal	<input type="checkbox"/> 5-Association
<input type="checkbox"/> 2-Sanitary District	<input type="checkbox"/> 6-Industrial
<input type="checkbox"/> 3-Mobile Home Park	<input type="checkbox"/> 7-Institution
<input type="checkbox"/> 4-Community	<input type="checkbox"/> 8-Private
	<input type="checkbox"/> 9-Other

Source of Water:

<input checked="" type="checkbox"/> 1-Ground	<input type="checkbox"/> 3-Both
<input type="checkbox"/> 2-Surface	<input type="checkbox"/> 4-Purchased

Source of Sample:

<input checked="" type="checkbox"/> 1-Well tap	<input type="checkbox"/> 2-House Tap
	<input type="checkbox"/> 3-Distribution Tap

Type of Sample:

<input type="checkbox"/> 1-Raw	<input type="checkbox"/> 2-Treated
--------------------------------	------------------------------------

Type of Treatment:

<input checked="" type="checkbox"/> 0-None	<input type="checkbox"/> 5-Lime
<input type="checkbox"/> 1-Chlorinated	<input type="checkbox"/> 6-Soda Ash
<input type="checkbox"/> 2-Fluoridated	<input type="checkbox"/> 7-Polyphosphate
<input type="checkbox"/> 3-Filtered	<input type="checkbox"/> 8-Water Softener
<input type="checkbox"/> 4-Alum	<input type="checkbox"/> 9-Other

**UTILITIES EXPANSION**  
**MARINE CORPS AIR STATION**  
**NEW RIVER**  
**CONTRACT N6247078-CF1135**  
**JACKSONVILLE NORTH CAROLINA**  
 CONTRACT NO. 1543  
 DATE 8/13/75  
**PEABODY-PETERSEN**  
 Job No. 7409

**ANALYSIS**

Color (000)	10	units	Ph (00.0)	8.4
Results in Parts per Million				
Alkalinity CaCO <sub>3</sub> (000)	294	Fluoride (0.00)		1.22
Total Hardness (000)	76	Arsenic (*0.00)		< 0.01
Iron (*00.00)	0.10	Cadmium (*0.00)		< 0.01
Manganese (*00.00)	< 0.03	Chromium <sup>+6</sup> (*0.00)		< 0.05
Turbidity SiO <sub>2</sub> (000)	.25	Copper (*00.00)		< 0.05
Acidity CaCO <sub>3</sub> (000)	0	Lead (*0.00)		< 0.05
Chloride (000)	78	Zinc (*00.00)		0.05
Sodium (000)	155	Calcium		24.5
Potassium (00.0)	12.0	Magnesium		3.6

Date received August 20, 1975

Date reported August 27, 1975





5

5

5

5

5

# PUMPING TEST DATA

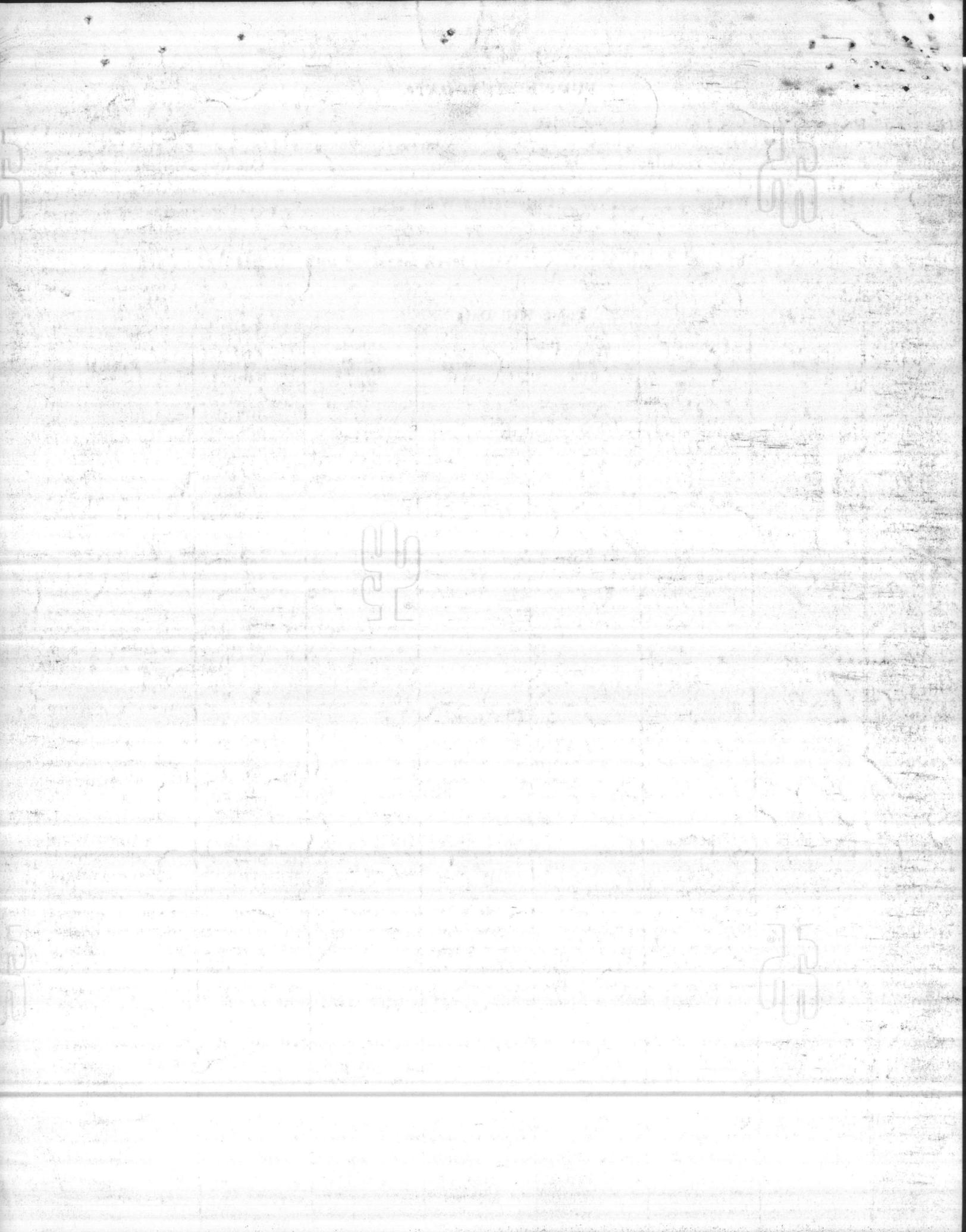
Test conducted on \_\_\_\_\_ at \_\_\_\_\_ Pump Location \_\_\_\_\_  
 Well Owner \_\_\_\_\_ Address \_\_\_\_\_  
 Pumped \_\_\_\_\_ Location \_\_\_\_\_ County \_\_\_\_\_  
 Observation Well \_\_\_\_\_ Observation Wells \_\_\_\_\_  
 Artime Length \_\_\_\_\_ Pumped Well \_\_\_\_\_  
 Remarks \_\_\_\_\_  
 Pumping rate measured with \_\_\_\_\_ Water levels measured with \_\_\_\_\_

## Pump Well Data

Date and Time	Flow Rate (GPM)	Water Level (Feet)	Pumping Rate (GPM)	Pump Discharge Pressure	Artisanal Gauge Reading (Feet)	Flow to Well	Remarks
21:00	150	23	150		82.0		
21:30	150	23	150		82.0		
22:00	150	23	150		82.0		
22:30	150	23	150		82.0		
23:00	150	23	150		82.0		
23:30	150	23	150		82.0		
24:00	150	23	150		82.0		
24:30	150	23	150		82.0		
25:00	150	23	150		82.0		
25:30	150	23	150		82.0		
26:00	150	23	150		82.0		
26:30	150	23	150		82.0		
27:00	150	23	150		82.0		
27:30	150	23	150		82.0		
28:00	150	23	150		82.0		
28:30	150	23	150		82.0		
29:00	150	23	150		82.0		
29:30	150	23	150		82.0		
30:00	150	23	150		82.0		
30:30	150	23	150		82.0		
31:00	150	23	150		82.0		
31:30	150	23	150		82.0		
32:00	150	23	150		82.0		
32:30	150	23	150		82.0		
33:00	150	23	150		82.0		
33:30	150	23	150		82.0		
34:00	150	23	150		82.0		
34:30	150	23	150		82.0		
35:00	150	23	150		82.0		
35:30	150	23	150		82.0		
36:00	150	23	150		82.0		
36:30	150	23	150		82.0		
37:00	150	23	150		82.0		
37:30	150	23	150		82.0		
38:00	150	23	150		82.0		
38:30	150	23	150		82.0		
39:00	150	23	150		82.0		
39:30	150	23	150		82.0		
40:00	150	23	150		82.0		
40:30	150	23	150		82.0		
41:00	150	23	150		82.0		
41:30	150	23	150		82.0		
42:00	150	23	150		82.0		
42:30	150	23	150		82.0		
43:00	150	23	150		82.0		
43:30	150	23	150		82.0		
44:00	150	23	150		82.0		
44:30	150	23	150		82.0		
45:00	150	23	150		82.0		
45:30	150	23	150		82.0		
46:00	150	23	150		82.0		
46:30	150	23	150		82.0		
47:00	150	23	150		82.0		
47:30	150	23	150		82.0		
48:00	150	23	150		82.0		
48:30	150	23	150		82.0		
49:00	150	23	150		82.0		
49:30	150	23	150		82.0		
50:00	150	23	150		82.0		
50:30	150	23	150		82.0		
51:00	150	23	150		82.0		
51:30	150	23	150		82.0		
52:00	150	23	150		82.0		
52:30	150	23	150		82.0		
53:00	150	23	150		82.0		
53:30	150	23	150		82.0		
54:00	150	23	150		82.0		
54:30	150	23	150		82.0		
55:00	150	23	150		82.0		
55:30	150	23	150		82.0		
56:00	150	23	150		82.0		
56:30	150	23	150		82.0		
57:00	150	23	150		82.0		
57:30	150	23	150		82.0		
58:00	150	23	150		82.0		
58:30	150	23	150		82.0		
59:00	150	23	150		82.0		
59:30	150	23	150		82.0		
60:00	150	23	150		82.0		
60:30	150	23	150		82.0		
61:00	150	23	150		82.0		
61:30	150	23	150		82.0		
62:00	150	23	150		82.0		
62:30	150	23	150		82.0		
63:00	150	23	150		82.0		
63:30	150	23	150		82.0		
64:00	150	23	150		82.0		
64:30	150	23	150		82.0		
65:00	150	23	150		82.0		
65:30	150	23	150		82.0		
66:00	150	23	150		82.0		
66:30	150	23	150		82.0		
67:00	150	23	150		82.0		
67:30	150	23	150		82.0		
68:00	150	23	150		82.0		
68:30	150	23	150		82.0		
69:00	150	23	150		82.0		
69:30	150	23	150		82.0		
70:00	150	23	150		82.0		
70:30	150	23	150		82.0		
71:00	150	23	150		82.0		
71:30	150	23	150		82.0		
72:00	150	23	150		82.0		
72:30	150	23	150		82.0		
73:00	150	23	150		82.0		
73:30	150	23	150		82.0		
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76:00	150	23	150		82.0		
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108:00	150	23	150		82.0		
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112:30	150	23	150		82.0		
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113:30	150	23	150		82.0		
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117:30	150	23	150		82.0		
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118:30	150	23	150		82.0		
119:00	150	23	150		82.0		
119:30	150	23	150		82.0		
120:00	150	23	150		82.0		
120:30	150	23	150		82.0		
121:00	150	23	150		82.0		
121:30	150	23	150		82.0		
122:00	150	23	150		82.0		
122:30							







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CHEMICAL ANALYSIS OF WATER

Division of Health Services, Laboratory Section  
 28047 Raleigh, North Carolina 27611

Complete all items above heavy line  
 (see instructions on reverse side)

Name of Owner or Supply: <u>CAMP LE JUNE</u>	Type of Supplier: <input type="checkbox"/> 1-Municipal <input type="checkbox"/> 2-Sanitary District <input type="checkbox"/> 3-Mobile Home Park <input type="checkbox"/> 4-Community	Association: <input type="checkbox"/> 5-Industrial <input type="checkbox"/> 6-Institution <input type="checkbox"/> 7-Private <input type="checkbox"/> 8-Other
Address: <u>JACKSONVILLE, N.C.</u>	Well No. <u>Q</u>	
County: <u>ONSLON</u>	Source of Water: <input checked="" type="checkbox"/> 1-Ground <input type="checkbox"/> 2-Surface	<input type="checkbox"/> 9-Bath <input type="checkbox"/> 10-Purchased
Report to: <u>WORTH F. RICKARD</u>	Source of Sample: <input checked="" type="checkbox"/> 1-Well tap <input type="checkbox"/> 2-House Tap <input type="checkbox"/> 3-Distribution Tap	
Address: <u>BOX 1005</u>	Type of Sample: <input checked="" type="checkbox"/> 1-Raw <input type="checkbox"/> 2-Treated	
City: <u>SANFORD, N.C. 27380</u>		
Collector: <u>WALTER V. BARRISON</u>		
Date Collected: <u>8/14/75</u>	Time: <u>UTILITIES EXPANSION</u>	Type of Treatment: <input type="checkbox"/> 1-Untreated <input type="checkbox"/> 2-Fluoridated <input type="checkbox"/> 3-Softened <input type="checkbox"/> 4-Other
Remarks: <u>ON PUMPING TEST MARINE BASE</u>	<u>MARINE CORPS AIR STATION</u> <u>NEW RIVER</u> <u>CONTRACT NO. 47073</u> <u>JACKSONVILLE, NORTH CAROLINA</u>	Specimen No. <u>15435</u>
	Analysis Requested: <input checked="" type="checkbox"/> Complete Analysis (10 items) <input type="checkbox"/> Other: _____	
	Analyst: <u>PEARCE PETERSON</u>	
	<u>JOB ANALYSIS</u>	

Color (000)	10 units	pH	8.3
Results in Parts per Million			
Alkalinity CaCO <sub>3</sub> (000)	295	Fluoride (0.00)	1.16
Total Hardness (000)	34	Arsenic (0.00)	< 0.01
Iron (00.00)	< 0.05	Cadmium (0.00)	< 0.01
Manganese (00.00)	< 0.03	Chromium (0.00)	< 0.05
Turbidity SiO <sub>2</sub> (000)	30	Copper (0.00)	< 0.05
Acidity CaCO <sub>3</sub> (000)	0	Lead (0.00)	< 0.05
Chloride (000)	62	Zinc (00.00)	0.05
Sodium (000)	165	Calcium	9.0
Potassium (00.0)	12.0	Magnesium	2.7

Date received: August 20, 1975 Date reported: August 27, 1975 Lab No. 00133

Date analyzed: \_\_\_\_\_ Reported by: \_\_\_\_\_

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**PUMPING TEST DATA**

Test conducted by: Carolina Well and Pump Company, Inc. By: Ralph Harrison

Well Owner: Air Station - Camp Lejeune Address: Jacksonville, North Carolina

Pumped Well No.            Location:            County: Onslow

Observation Well Locations:           

Airline Lengths: Pumped Well            Observation Wells           

Remarks:           

Pumping rate measured with: 3 X 1/2 Orifice Water levels measured with: Electric Tape

**Pump Well Data**

Date and Time	Elapsed Time Min	Piezometer Tube Reading Inches	Pumping Rate GPM	Pump Discharge Pressure	Altitude Gauge Reading Feet	Feet to Water	Remarks	
8-11-75								
3:25						18.6		
3:30		Pumping Test Started						
3:45	15	5	100			20.5		
4:00	30	5	100			20.7		
4:15	45	5	100			20.10		
4:30	60	5	100			20.10		
5:00	90	5	100			20.10		
5:30	120	5	100			20.10		
6:00	150	5	100			20.10		
6:30	180	5	100			20.10		
7:00	210	5	100			20.10		
7:30	240	5	100			20.10		
8:00	270	5	100			20.10		
8:30	300	5	100			20.10		
9:00	330	5	100			20.10		
9:30	360	5	100			20.10		
10:00	390	5	100			20.10		
10:30	420	5	100			20.10		
11:00	450	5	100			20.10		
11:30	480	5	100			20.10		
12:00	510	5	100			20.10		
12:30	540	5	100			20.10		
1:00	570	5	100			20.10		
1:30	600	5	100			20.10		
2:00	630	5	100			20.10		
2:30	660	5	100			20.10		
3:00	690	5	100			20.10		
3:30	720	5	100			20.10		
4:00	750	5	100			20.10		
4:30	780	5	100			20.10		
4:45	795	13	150			22.2		
5:00	810	13	150			22.3		
5:15	825	13	150			22.5		
5:30	840	13	150			22.6		
6:00	870	13	150			22.7		
6:30	900	13	150			22.7		
7:00	930	13	150			22.7		
7:30	960	13	150			22.7		
8:00	990	13	150			22.7		
8:30	1020	13	150			22.7		
9:00	1050	13	150			22.7		
9:30	1080	13	150			22.8		
10:00	1110	13	150			22.8		







N, O, P, Q, R Info.

Floating Aerators • Water & Sewage Pumps • Sewage Lift Stations

**EPI**

**ENVIRONMENTAL PRODUCTS INC.**

P. O. BOX 2385 HICKORY, NORTH CAROLINA 28601 TELEPHONE 704/322-7003

July 11, 1975

THIS RETURNED  
IN ANSWER  
TO RDF LETTER  
DATED 11-19-75

Carolina Well & Pump Co.  
P. O. Box 1085  
Sanford, NC 27330

Attention: Mr. Worth Pickard

SUBJECT: New River Utilities Expansion  
Well Pumps N, O, P, Q and R

Dear Worth:

We acknowledge receipt of submittal data on the equipment we are to furnish you on the above subject project.

The motors will all be furnished 208 volt in lieu of 230/460 as submitted.

This will not change the frame size nor the dimensions on any of the motors.

We will also add non-reverse ratchets to the right angle gears; but if the gears are not available with non-reverse ratchet, we will advise you immediately.

We have released the equipment to production, and will advise expected delivery as soon as it is available from the factory.

We appreciate the business, and should you have any questions regarding your order, need any additional information, or if we can be of service to you at any time, in any way, please do not hesitate to contact us.

Very truly yours,

Bob Darnell  
Manager, Sales Administration

BD:jt

Peabody S. E., Inc.  
P. O. Drawer 7248  
Jacksonville, N. C. 28540  
REC'D NOV 21 1975

1140-22  
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#26

Wells N, P, Q, - MOTOR, etc.

Floating Aerators • Water & Sewage Pumps • Sewage Lift Stations



# ENVIRONMENTAL PRODUCTS INC.

P. O. BOX 2385 HICKORY, NORTH CAROLINA 28601 TELEPHONE 704/322-7003

Prepared For: Carolina Well & Pump Company

Project: N62470-73B-1155

Location: New River Utilities Expansion - MCAS (Helicopter)

Subject: Wells N, P, Q

Conditions: 150 GPM @ 90' TDH, 1770 RPM - setting 85' 7/8"

### Description:

Three (3) Crane Deming Figure 4700, size X116, seven stage bowl assemblies, with SD44-10 discharge head, seventy feet of 4" x 1/4" column and shafting, for the above design conditions, water lubricated with suction pipe strainer and 7 1/2 HP, 1800 RPM, 3 phase 60 cycle, 200/460 volt, vertical hollow shaft motor with non-reverse ratchet, 1.15 service factor 213TP10 frame, open dripproof, WP-1 enclosure.

APPROVED  
 SUBJECT TO REQUIREMENTS OF  
 SPECIFICATIONS  
 J. K. TIMMONS & ASSOCIATES  
 CONSULTING ENGINEERS

BY: m 22

DATE: 4-13-75

April 14, 1975

ENVIRONMENTAL PRODUCTS INC.

10000 ...

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MEMO OF  
DATA TRANSMITTAL

Wells N, P & G  
Trans # 26

# GENERAL ELECTRIC COMPANY

Refer to G.E. Req'n No.  
in Correspondence

MARCH 19, 1975

SAN JOSE, CALIFORNIA

FIRST CLASS

(DATE)

(LOCATION)

(PRINTS FORWARDED VIA)

CUSTOMER

ENVIRONMENTAL PRODUCTS, INC.  
P. O. DRAWER 2385  
HICKORY, NORTH CAROLINA 28601

STATION OR PROJECT NO.

CUSTOMER ORDER	CUSTOMER ROOM	G.E. CONTRACT	G.E. REQUISITION
2191			348-39536

PRINTS ARE:

FOR APPROVAL  FOR INSTALLATION  FOR REFERENCE

APPROVAL REQUIRED BY

(DATE)

RETURN OF "FOR APPROVAL" PRINTS SHOULD BE ADDRESSED TO THE  
GENERAL ELECTRIC OFFICE WITH WHOM YOUR ORDER IS PLACED.

—NOT TO THE FACTORY—

Drawings are intended to be in accordance with applicable purchase order specifications. Comments are solicited concerning any departures in this respect. Features not covered by purchase order specifications portray General Electric Company standard design practice. The shipping date for this equipment is based on obtaining approval by the above specified date, and any delay in approval may extend the shipping schedule. Any requested changes from the purchase order specifications, resulting in additional engineering and/or manufacturing costs, will entail an increase in price and the extension of the shipping schedule.

7 PRINTS TO:

MR. BOB DARNELL  
ENVIRONMENTAL PRODUCTS, INC.

704-322-7003

ITEM NO: 1

MOTOR MODEL:

KEN MARTIN

MDT TO:

MR. W.L. RICHBOURG  
GENERAL ELECTRIC CO.  
P. O. BOX 10367  
GREENSBORO, N. C. 27404

1919  
294-6128

OUTLINE NO: GEM 2296F

TYPE: K

FRAME: 213TP10

HORSEPOWER: 7.5

RPM: 1800

PHASE: 3

CYCLES: 60

VOLTS: ~~230/460~~ 200 V

THRUST: HIGH

ENCLOSURE: OPEN DRIPPROOF, WP1

SHAFT TYPE: HOLLOW

VERTICAL INDUCTION MOTOR.

1.15 SERVICE FACTOR  
NON REVERSE CPLG. 1" BORE

APPROVED  
SUBJECT TO REQUIREMENTS OF  
SPECIFICATIONS  
J. K. TIMMONS & ASSOCIATES  
CONSULTING ENGINEERS

BY:

DATE:

mzc

SPARE PARTS LIST:

ORDER SERVICE - S. J.

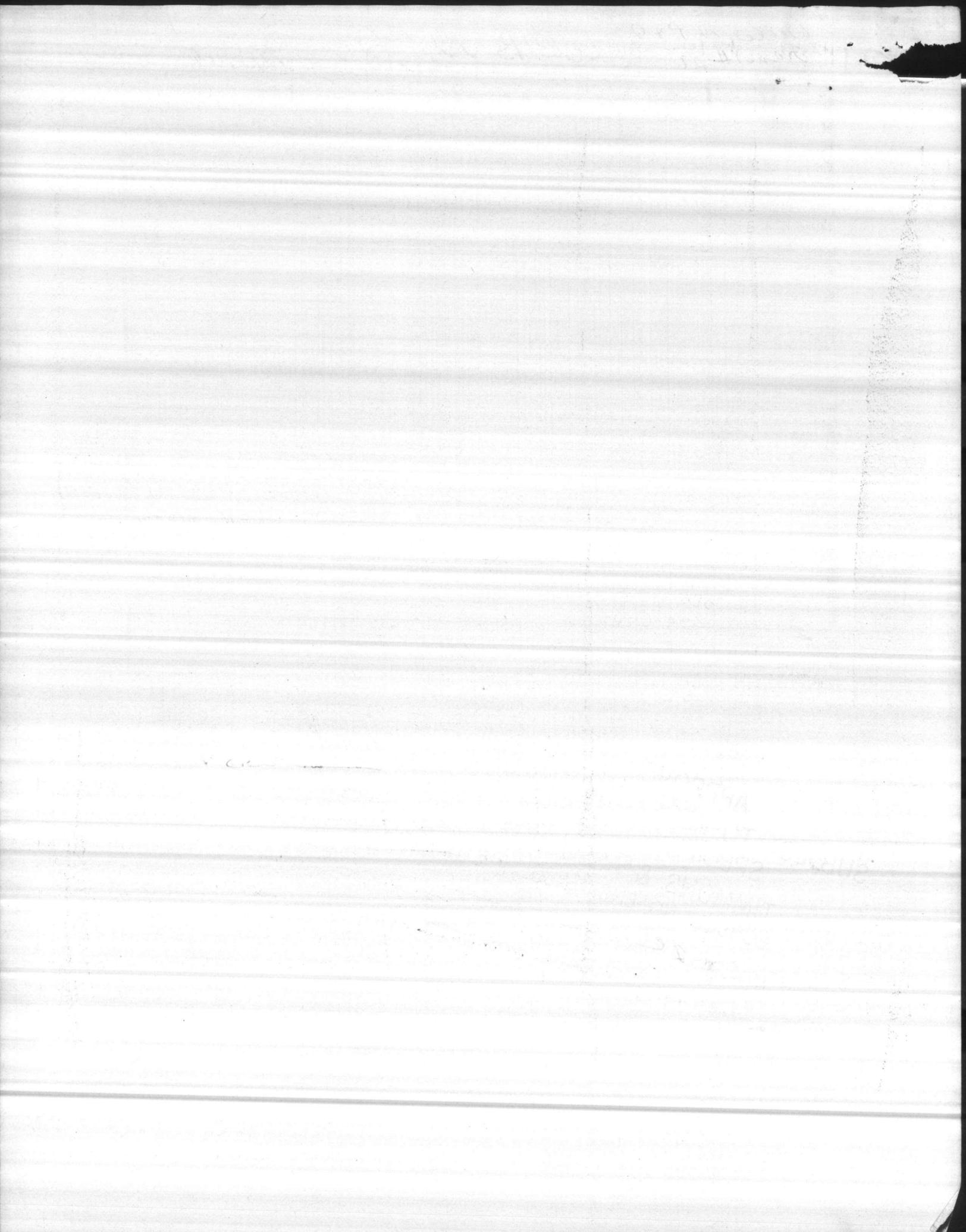
VIRGINIA KIMMY  
COPY OF M/S TO

AF-550-CM 4-62 (new)

PRINTS ARE NOT TO SCALE, are loaned subject to return upon demand, and the express condition that they will not be used in any way detrimental to the General Electric Company.

REPRODUCTION OR DATA SECTION

By TRUDY HABENICHT



**INDUCTION MOTORS—INTEGRAL-HP, 3- AND 2-PHASE  
VERTICAL**

**SQUIREL-CAGE**

**TRI/CLAD • Hollow-shaft • Shielded (Dripproof)\***

**GEM-2296F**

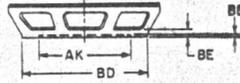
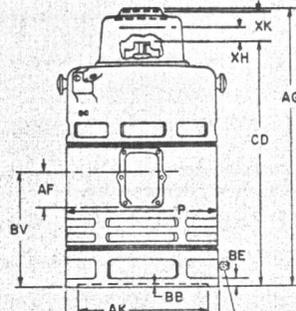
**High-thrust • Normal-starting-torque • NEMA Type P Base**

**Type K  
Frames 213TP10 to B405TP20, 3600 Rpm and Below  
Frames B444TP16 to B445TP20, 1800 Rpm and Below<sup>θ</sup>**

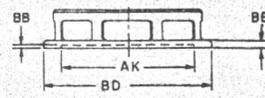
**Self-release, Bolted or  
Nonreverse Coupling**

Sept. 8, 1970

**DIMENSIONS**

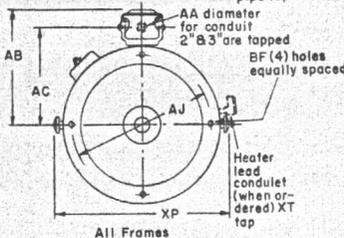


For Frames: 213TP10, 215TP10, B254TP10, 254TP10, 254TP12, 256TP10, 256TP12, B284TP10, B284TP12, B286TP10, B286TP12, B324TP12, B326TP12, B364TP12, B365TP12, B404TP16, B405TP16, B444TP16, B445TP16



For Frames: B364TP16, B365TP16, B444TP20, and B445TP20

Heater lead conduit (when ordered) XT pipe tap



All Frames

**FOR 3600-RPM MOTORS ONLY**

For a given pump-shaft diameter, the following table gives the maximum distance between the motor's top coupling and the pump's first line-shaft bearing. This table is based on keeping the headshaft critical at least 25% above operating speed. The selection of a small headshaft diameter may make it necessary to support the headshaft in a close-fitting bushing in the lower end of the motor shaft.

Pump-shaft Diameter in Inches	Maximum Distance Between Top Coupling and Lower Support in Inches
0.750	33
1.000	38
1.187	42
1.437	45
1.500	47
1.688	50
1.750	51

Frame No.	Approx Net Wt in Lb	Dimensions in Inches																	
		P	AA	AB	AC	AF	AG	AJ	AK †	BB Min	BD	BE	BF	BV	CD	XH ‡	XK	XP	XT
213TP10	165	10 3/4	1 1/4	9 3/4	7 3/4	3 1/2	23 1/4	9 1/2	8 1/4	3/16	10	3/4	7/16	10 15/16	20 15/16	1 3/4	2 3/4	...	1/2
215TP10	168	10 3/4	1 1/4	9 3/4	7 3/4	3 1/2	23 1/4	9 1/2	8 1/4	3/16	10	3/4	7/16	10 15/16	20 15/16	1 3/4	2 3/4	...	1/2
B254TP10	205	10 3/4	1 1/2	9 3/4	7 3/4	3 1/2	23 1/4	9 1/2	8 1/4	3/16	10	3/4	7/16	10 15/16	20 15/16	1 3/4	2 3/4	...	1/2
254TP10	270	12 15/16	1 1/2	10 3/4	8 3/4	3 1/2	26 1/2	9 1/2	8 1/4	3/16	10	3/4	7/16	13	23 3/8	1 3/4	2 3/4	...	1/2
254TP12	270	12 15/16	1 1/2	10 3/4	8 3/4	3 1/2	26 1/2	9 1/2	8 1/4	3/16	10	3/4	7/16	13	23 3/8	1 3/4	2 3/4	...	1/2
254TP16	270	12 15/16	1 1/2	10 3/4	8 3/4	3 1/2	26 1/2	9 1/2	8 1/4	3/16	10	3/4	7/16	13	23 3/8	1 3/4	2 3/4	...	1/2
256TP10	310	12 15/16	1 1/2	10 3/4	8 3/4	3 1/2	26 1/2	9 1/2	8 1/4	3/16	10	3/4	7/16	13	23 3/8	1 3/4	2 3/4	...	1/2
256TP12	310	12 15/16	1 1/2	10 3/4	8 3/4	3 1/2	26 1/2	9 1/2	8 1/4	3/16	10	3/4	7/16	13	23 3/8	1 3/4	2 3/4	...	1/2
256TP16	310	12 15/16	1 1/2	10 3/4	8 3/4	3 1/2	26 1/2	14 3/4	13 1/2	1/4	16 1/2	3/4	1 1/16	13	23 3/8	1 3/4	2 3/4	...	1/2
B284TP10	330	12 15/16	2	11 3/4	8 3/4	4 1/2	26 1/2	9 1/2	8 1/4	3/16	10	3/4	7/16	13	23 3/8	1 3/4	2 3/4	...	1/2
B284TP12	330	12 15/16	2	11 3/4	8 3/4	4 1/2	26 1/2	9 1/2	8 1/4	3/16	10	3/4	7/16	13	23 3/8	1 3/4	2 3/4	...	1/2
B284TP16	330	12 15/16	2	11 3/4	8 3/4	4 1/2	26 1/2	14 3/4	13 1/2	1/4	16 1/2	3/4	1 1/16	13	23 3/8	1 3/4	2 3/4	...	1/2
B286TP10	355	12 15/16	2	11 3/4	8 3/4	4 1/2	26 1/2	9 1/2	8 1/4	3/16	10	3/4	7/16	13	23 3/8	1 3/4	2 3/4	...	1/2
B286TP12	355	12 15/16	2	11 3/4	8 3/4	4 1/2	26 1/2	9 1/2	8 1/4	3/16	10	3/4	7/16	13	23 3/8	1 3/4	2 3/4	...	1/2
B286TP16	355	12 15/16	2	11 3/4	8 3/4	4 1/2	26 1/2	14 3/4	13 1/2	1/4	16 1/2	3/4	1 1/16	13	23 3/8	1 3/4	2 3/4	...	1/2
B324TP12	460	14 1/4	2 5/8	12 3/4	9 1/4	6 1/2	32 1/2	14 3/4	13 1/2	1/4	16 1/2	3/4	7/16	15 1/16	28 3/8	3 3/4	4	15 3/4	1/2
B324TP16	460	14 1/4	2 5/8	12 3/4	9 1/4	6 1/2	32 1/2	14 3/4	13 1/2	1/4	16 1/2	3/4	7/16	15 1/16	28 3/8	3 3/4	4	15 3/4	1/2
B326TP12	510	14 1/4	3	13 1/4	10 1/4	6 1/2	32 1/2	14 3/4	13 1/2	1/4	16 1/2	3/4	7/16	15 1/16	28 3/8	3 3/4	4	15 3/4	1/2
B326TP16	510	14 1/4	3	13 1/4	10 1/4	6 1/2	32 1/2	14 3/4	13 1/2	1/4	16 1/2	3/4	7/16	15 1/16	28 3/8	3 3/4	4	15 3/4	1/2
B364TP12	600	16 1/4	3	14 13/16	11 3/8	6 1/2	35 1/2	14 3/4	13 1/2	1/4	16 1/2	1 1/8	7/16	16 1/8	31 3/8	3 3/4	4	17 3/8	3/4
B364TP16	600	16 1/4	3	14 13/16	11 3/8	6 1/2	35 1/2	14 3/4	13 1/2	1/4	16 1/2	1 1/8	7/16	16 1/8	31 3/8	3 3/4	4	17 3/8	3/4
B365TP12	660	16 1/4	3	14 13/16	11 3/8	6 1/2	35 1/2	14 3/4	13 1/2	1/4	16 1/2	1 1/8	7/16	16 1/8	31 3/8	3 3/4	4	17 3/8	3/4
B365TP16	660	16 1/4	3	14 13/16	11 3/8	6 1/2	35 1/2	14 3/4	13 1/2	1/4	16 1/2	1 1/8	7/16	16 1/8	31 3/8	3 3/4	4	17 3/8	3/4
B404TP16	890	18 7/16	3	15 3/4	12 1/4	6 1/2	41 1/4	14 3/4	13 1/2	1/4	16 1/2	3/4	1 1/16	19 1/2	36 7/8	3 3/4	4 1/2	20 1/8	3/4
B404TP20	890	18 7/16	3	15 3/4	12 1/4	6 1/2	41 1/4	14 3/4	13 1/2	1/4	16 1/2	3/4	1 1/16	19 1/2	36 7/8	3 3/4	4 1/2	20 1/8	3/4
B405TP16	990	18 7/16	3	15 3/4	12 1/4	6 1/2	41 1/4	14 3/4	13 1/2	1/4	16 1/2	3/4	1 1/16	19 1/2	36 7/8	3 3/4	4 1/2	20 1/8	3/4
B405TP20	990	18 7/16	3	15 3/4	12 1/4	6 1/2	41 1/4	14 3/4	13 1/2	1/4	16 1/2	3/4	1 1/16	19 1/2	36 7/8	3 3/4	4 1/2	20 1/8	3/4
B444TP16	1180	20 3/4	3	16 15/16	13 3/8	6 1/2	47 1/4	14 3/4	13 1/2	1/4	16 1/2	1 1/8	1 1/16	23 1/4	41 1/8	3 3/4	5	22	3/4
B444TP20	1180	20 3/4	3	16 15/16	13 3/8	6 1/2	47 1/4	14 3/4	13 1/2	1/4	16 1/2	1 1/8	1 1/16	23 1/4	41 1/8	3 3/4	5	22	3/4
B445TP16	1330	20 3/4	3	16 15/16	13 3/8	6 1/2	47 1/4	14 3/4	13 1/2	1/4	16 1/2	1 1/8	1 1/16	23 1/4	41 1/8	3 3/4	5	22	3/4
B445TP20	1330	20 3/4	3	16 15/16	13 3/8	6 1/2	47 1/4	14 3/4	13 1/2	1/4	16 1/2	1 1/8	1 1/16	23 1/4	41 1/8	3 3/4	5	22	3/4

**Coupling dimensions on reverse side.**

\* These motors meet NEMA specifications for weather-protected Type 1 motors.

† 'AK' diameters of 8 1/4 inches will come within the limits of +0.003 inch, -0.000 inch; diameters of 13 1/2 inches will come within the limits of +0.005 inch, -0.000 inch.

‡ The total height of pump shaft and locking nut above top of coupling must not exceed dimension XH.

§ For 3600 rpm, Frames B324TP12 and B324TP16, conduit box dimensions are same as for Frames B326TP12 and B326TP16.

θ For 3600 rpm in this frame size, refer to the Company.

Frames 213TP10 through B286TP16 have grease-lubricated upper guide and lower thrust bearings. All other frames have oil-lubricated upper thrust bearing and grease-lubricated lower guide bearing.

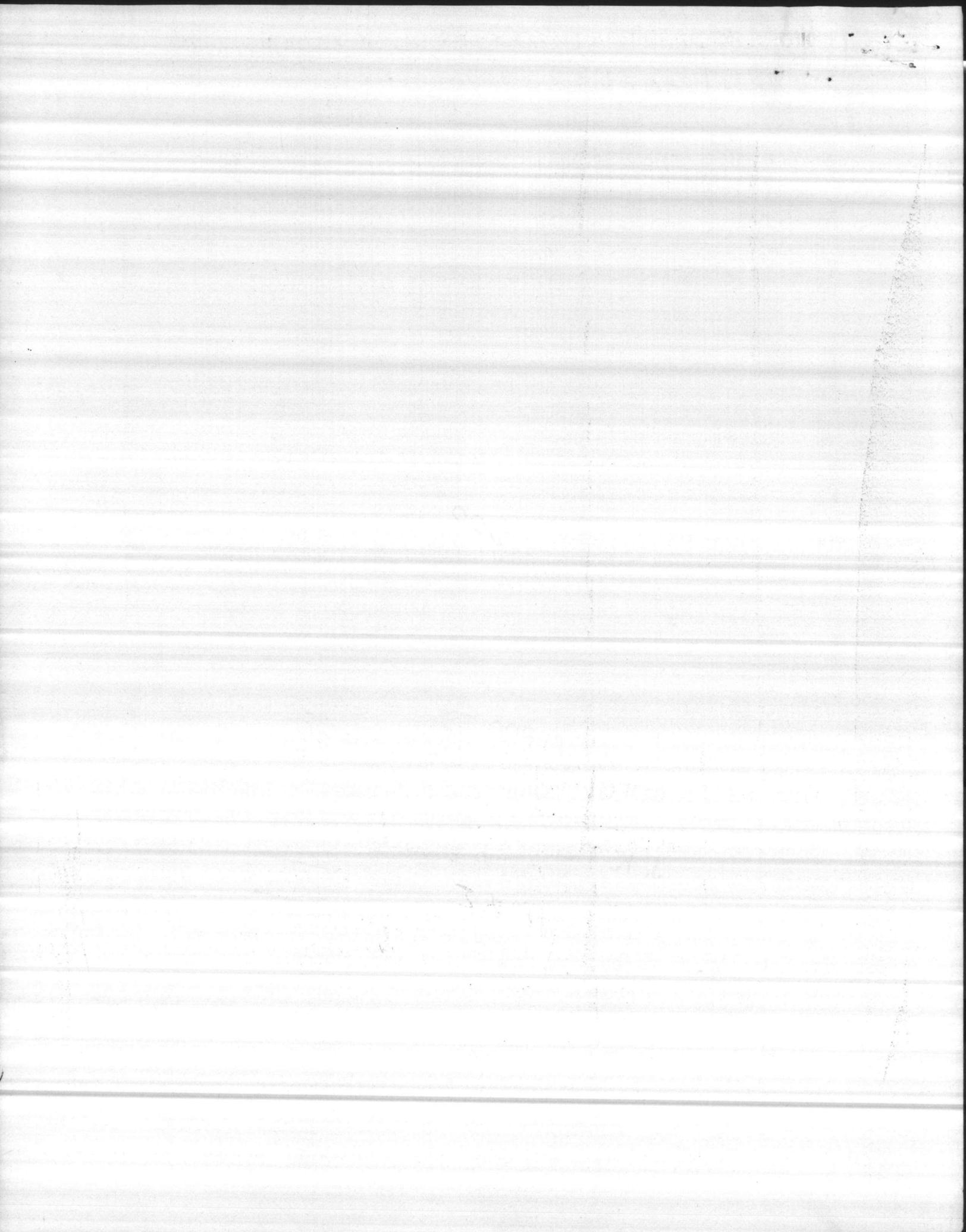
For 3600 rpm, Frames B404TP16 through B405TP20 inclusive maximum shaft permissible 1.751 inches.

Nonreverse coupling assemblies, Frames 213TP to B286TP are complete, nonreverse assemblies, Frame B324TP to B445TP, must be used together with appropriate self-release coupling.

Provided mounting conditions permit, conduit box may be turned so that entrance can be made upward, downward, or from either side.

For shipping weight add 5 per cent to the above net weights.

For ESTIMATING ONLY unless endorsed for construction.







3

SIZE XH6 SINGLE STAGE PERFORMANCE 1770 R.P.M.

EFFICIENCY CHANGE:		DIMENSIONS		FIG. 4700	FIG. 4750
3	STAGE DEDUCT	0	POINTS	5 3/4	5 3/4
2	STAGE DEDUCT	2	POINTS	17 1/8	20 1/8
1	STAGE DEDUCT	4	POINTS	6 1/2	6 1/2
ENAMELED BOWLS		THRUST FACTOR =		3.9	3.9

SUCTION - I.D. PIPE SIZE 4" SIZE COLUMN ADAPTER (4) " OR 5" SEMI-ENC. IMPELLER NO. 22957

SHUT-OFF HEAD PER STAGE		CURVE	IMPELLER DIAMETER
A	18.8 FT.	A	4 13/16
B	16.4 FT.	B	4 1/2
C	12.0 FT.	C	4



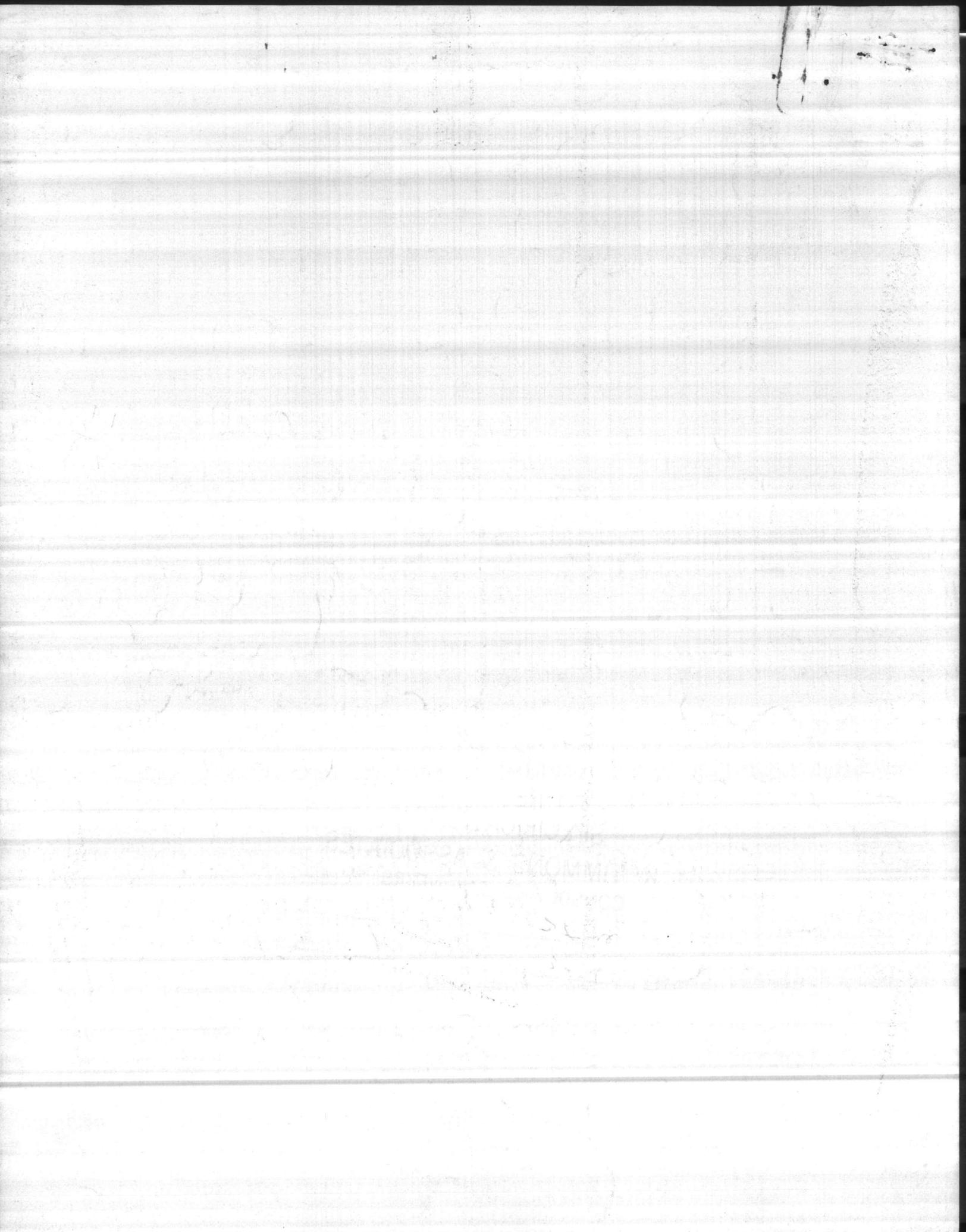
CAPACITY:	150	GPM
HEAD:	90	Fr.
COLUMN LOSS:	8	Fr.
NO. of STAGES:	7	
BOWL EFF.:	50	%
SHAFT FRICTION:	.56	HP
TOTAL B.H.P. at rating	5.20	HP

APPROVED  
 SUBJECT TO REQUIREMENTS OF  
 SPECIFICATIONS  
 J. K. TIMMONS & ASSOCIATES  
 CONSULTING ENGINEERS

BY: *[Signature]*  
 DATE: \_\_\_\_\_

NPSH FT. REQUIRED B.H.P.

U.S. GALLONS PER MINUTE



DEPARTMENT OF THE NAVY  
RESIDENT OFFICER IN CHARGE  
NAVAL FACILITIES ENGINEERING COMMAND CONTRACTS  
CAMP LEJEUNE, NORTH CAROLINA 28542

0100  
File

IN REPLY REFER TO:  
43-510:HH:mec  
N62470-73-C-1155  
19 June 1975

Peabody Petersen Company  
Post Office Drawer 7248  
Jacksonville, North Carolina 28540

JL

Re: Contract N62470-73-C-1155, Utilities  
Expansion, Marine Corps Air Station,  
(Helicopter), New River, Jacksonville,  
North Carolina

Gentlemen:

We are returning X herewith          under separate cover, the following  
shop drawings or data sheets with action indicated:

# 24, 25, 26, 27

No of Dwgs.	Dwg. No.	Description	Action
3	Transmittal No. 24	Submittal Data for Well "O" <i>PUMPS</i>	Approved, AS NOTED <u>1/</u> , subject to contract requirements.
3	Transmittal No. 25	Submittal Data for Well "R" <i>PUMPS</i>	Approved, AS NOTED <u>1/</u> , subject to contract requirements.
3	Transmittal No. 26	Submittal Data for Wells "N", "P" and "Q" <i>PUMPS</i>	Approved, AS NOTED <u>1/</u> , subject to contract requirements.
5	Transmittal No. 27	Submittal Data for <u>Auxiliary Propane</u> Engines for Wells "Q" and "R"	DISAPPROVED <u>2/</u>

- 1/ a. 230/460v motors are not acceptable. Service to well  
buildings is 208v.  
b. Right angle drive requires non-reverse ratchet.

- 2/ Suggest consideration of smaller engine. Specifications  
require minimum 61 CID. Submittal is for 172 CID. Submit  
additional data to show that all specs are met. (15G.4.7)

Sincerely yours,

*K. W. MEEKS*  
K. W. MEEKS  
LCDR, CEC, USN  
Assistant Resident Officer  
in Charge of Construction

Peabody S. E., JOC  
P. O. Drawer 7248  
Jacksonville, N. C. 28540

REC'D JUN 20 1975

MCBCL 11000/16

IN THE DISTRICT COURT OF THE UNITED STATES FOR THE DISTRICT OF NORTH CAROLINA  
Case No. 19-10000  
Filed 19 June 1979

LEONARDVILLE, NORTH CAROLINA 28110  
POST OFFICE BOX 1218  
LEONARDVILLE, NORTH CAROLINA 28110

Contract No. 19-10000-01-0155, entitled:  
Expansion Marine Corps Air Station  
at Leonardville, North Carolina

As the contractor, you are requested to submit the following information to the undersigned:

55

1. A copy of the contract and all amendments thereto.  
2. A copy of the contract and all amendments thereto.  
3. A copy of the contract and all amendments thereto.

4. A copy of the contract and all amendments thereto.  
5. A copy of the contract and all amendments thereto.  
6. A copy of the contract and all amendments thereto.

55

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# Peabody Petersen

Peabody Petersen Co.  
1930 Silver Star Road. | P. O. Box 7934  
Orlando, Florida 32804 | Telephone 305 299-3020

## LETTER OF TRANSMITTAL

Date	8/19/75	Gal. Ed.
Customer Order No.	N62470-73-C-1155	
Attention	OICC	
Re:	UTILITIES EXPANSION	
	M.C.A.S. (H.) NEW RIVER	
	JACKSONVILLE N.C. 28542	
Copies Mailed To:	HOME OFFICE OPERATIONS	
	DIVISION QUALITY CONTROL REPRESENT	
	AND FIELD ENGR. OFFICE.	

To OICC  
BUILDING NO. 1005 MARINE CORPS BASE  
CAMP LEJEUVE, N.C. 28542

Gentlemen:

We are sending You

- Attached
- Under separate cover via \_\_\_\_\_ the following items:
- Shop drawings
- Prints
- Plans
- Samples
- Specifications
- Copy of letter
- Change order
- ELECTRIC LOG, CHEMICAL ANALYSIS.

COPIES	DATE	NUMBER	DESCRIPTION
4	8/19/75	125	PUMPING AND TEST DATA ELECTRIC LOG WELLS R AND WELL N., NORTH CAROLINA DEPT. OF HUMAN RESOURCES. AS PER SPECIFICATION SECTIONS 15H.3.5 & 15H.3.6.

2593 LAWTON PRINTERS Orlando Distributors

Remarks:

FOR FILES AND INFORMATION

Copy To: \_\_\_\_\_

Signed: \_\_\_\_\_

