

DATE 6-19-00 ✓

PWSID 04-67-043

WELL # 704 ✓

WELL NAME Holcomb Bend 704

BLDG. 704 ✓

CODE G

AVAILABILITY P

LOCATION <sup>ad.</sup> Heavy Equipment  
Access Rd

LATITUDE 34.72669 ✓

LONGITUDE - 77.35028 ✓

WELL DIAMETER 10"

WELL DEPTH 124'

SCREEN INTERVAL 84'-1.14'

YIELD 260 GPM

STATIC LEVEL 33'

PUMPING LEVEL 56'

PUMP TYPE Vertical Turbine

MOTOR HP 15

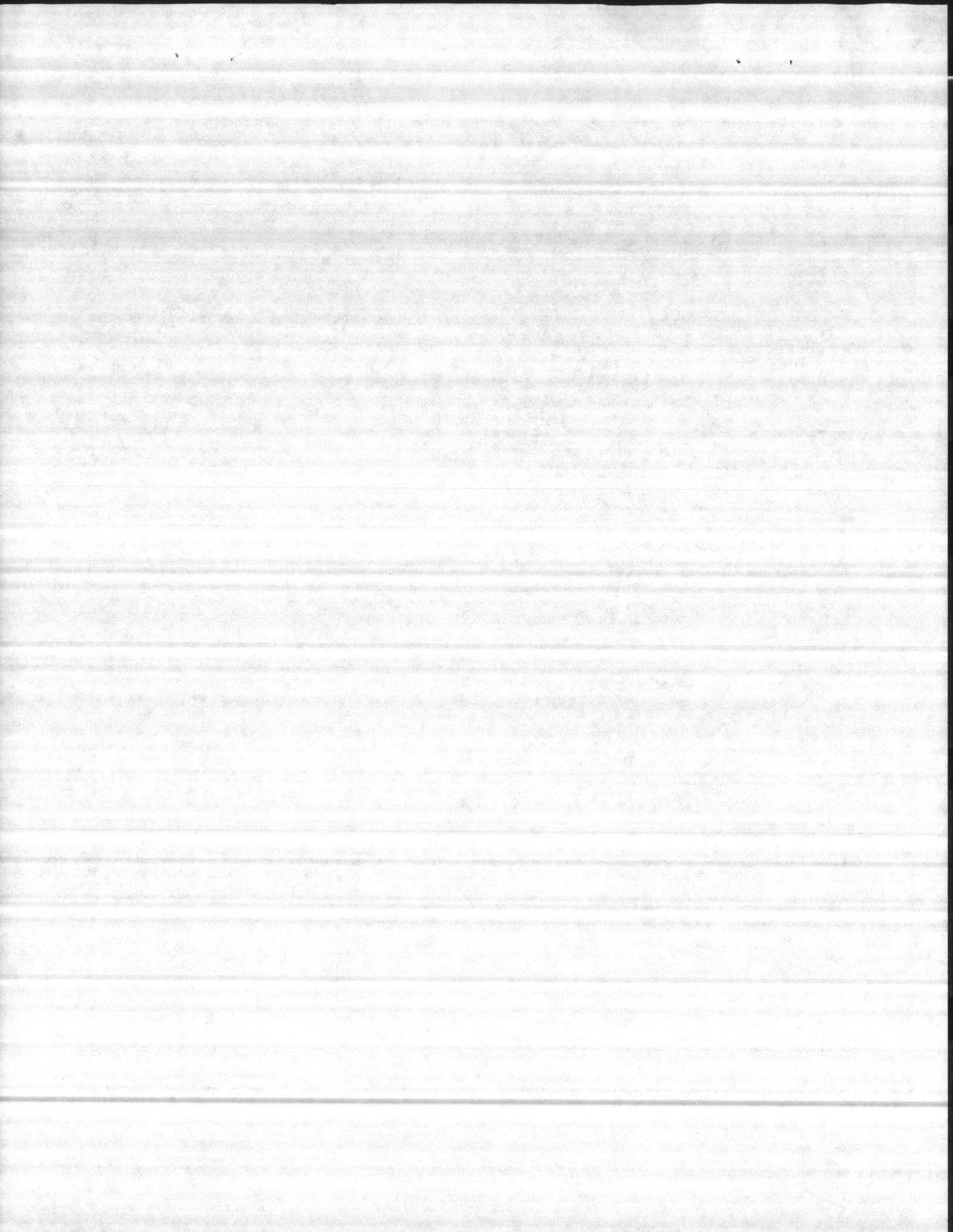
INTAKE DEPTH 86'

DESIGN CAPACITY 200 GPM ✓

ACTUAL GPM 100 GPM

SIZE OF CONCRETE SLAB 32 1/2" x 31 1/2"

HEIGHT OF CASING 18"



# SOURCE INFORMATION GROUND WATER

Date Form Completed

M M D D Y Y  
 0 1 2 6 9 5

PWSID  
 0467048

Owner Assigned  
 source Code

Well Name (If purchase, name of system)

704 H01C0mb B1VD 704

Code

G

G=Ground  
 W=Purchase/G  
 Y=G w/direct influence  
 Z=W w/direct influence

If Purchase, seller ID#

Source Begin Date

Source exempt—  
 SWTR?  Y  N

Direct Influence Date

Availability

P

P=Permanent  
 E=Emergency I=Interim  
 S=Seasonal O=Other

Location of well within the system (If purchase, location of master meter)

Heavy Equipment Access Rd

Latitude (N)

Longitude (W)

How Determined

GPS Data

No. of Sats. Locked on

3 4 4 3 3 4 6

0 7 7 2 1 0 2 6

G  
 G=GPS  
 M=Map  
 S=Surveyed

QZ  
 Q# or  
 DOP #

4

(If purchase, use seller's primary source lat/long)

Vulnerable (VOCs)  Y  N

Assessment Date

M M D D Y Y

## ENTRY POINT INFORMATION

Use Code

C

C=Ground/Permanent  
 D=Ground/non-permanent

Availability

P

P=Year-round S=Seasonal  
 E=Emergency I=Interim O=Other

Owner Assigned  
 Entry Point Code

Entry Point Name

200

~~NB670~~ MCB HOLCOMB BLVD WTP

Location:

Well Site: Owned or controlled?  (Y,N) Control Area (100' radius)?  (Y,N) If no, explain: \_\_\_\_\_

Sources of pollution/distance: @ Power line R/W

Surface water within 200'?  Y  N If yes, actual distance \_\_\_\_\_ feet If yes, bact. samples collected? \_\_\_\_\_ (Y,N)

Adequate slope?  (Y,N) Flooding?  (Y,N) Maintenance: OK

Well House: Free of stored materials?  (Y,N) Properly drained?  (Y,N) Locked?  (Y,N)

Condition of house: OK Type of freeze protection: Elec heat

Well: Diameter: 10" Type: ~~Shovel Packed~~ Yield (gpm): 260 Properly sealed?  (Y,N)

Properly vented? \_\_\_\_\_ (Y,N) Casing depth \_\_\_\_\_ ft. (If unknown, put 'UNK') Well depth: 124 Meter available?  (Y,N)

Concrete slab adequate? \_\_\_\_\_ (Y,N) If no, explain: \_\_\_\_\_ Size: 76x6

Size of blow-off: 4" Sample tap: Before treatment?  (Y,N) After treatment? \_\_\_\_\_ (Y,N)

Pumps: Capacity: GPM: 100 HP: 15 Pump intake depth: 86 Auxiliary Power?  (Y,N)

Type pump: Vertical Turbine Height above floor (pump/casing): 18"

Storage at well site: Elev: \_\_\_\_\_ Hydro: \_\_\_\_\_ Ground: \_\_\_\_\_

If hydroautomatic, air volume control? \_\_\_\_\_ (Y,N) Safety valves? \_\_\_\_\_ (Y,N) Coded? \_\_\_\_\_ (Y,N)

High service pumps: 1. \_\_\_\_\_ gpm \_\_\_\_\_ hp 2. \_\_\_\_\_ gpm \_\_\_\_\_ hp 3. \_\_\_\_\_ gpm \_\_\_\_\_ hp Auxiliary Power? \_\_\_\_\_ (Y,N)

Is the water treated at this well?  Y  N If yes, complete back of form.

If other wells are treated here, which ones? \_\_\_\_\_ If treated elsewhere, where? NB670 PLANT

If purchase, retreat?  Y  N If yes, complete back of form.

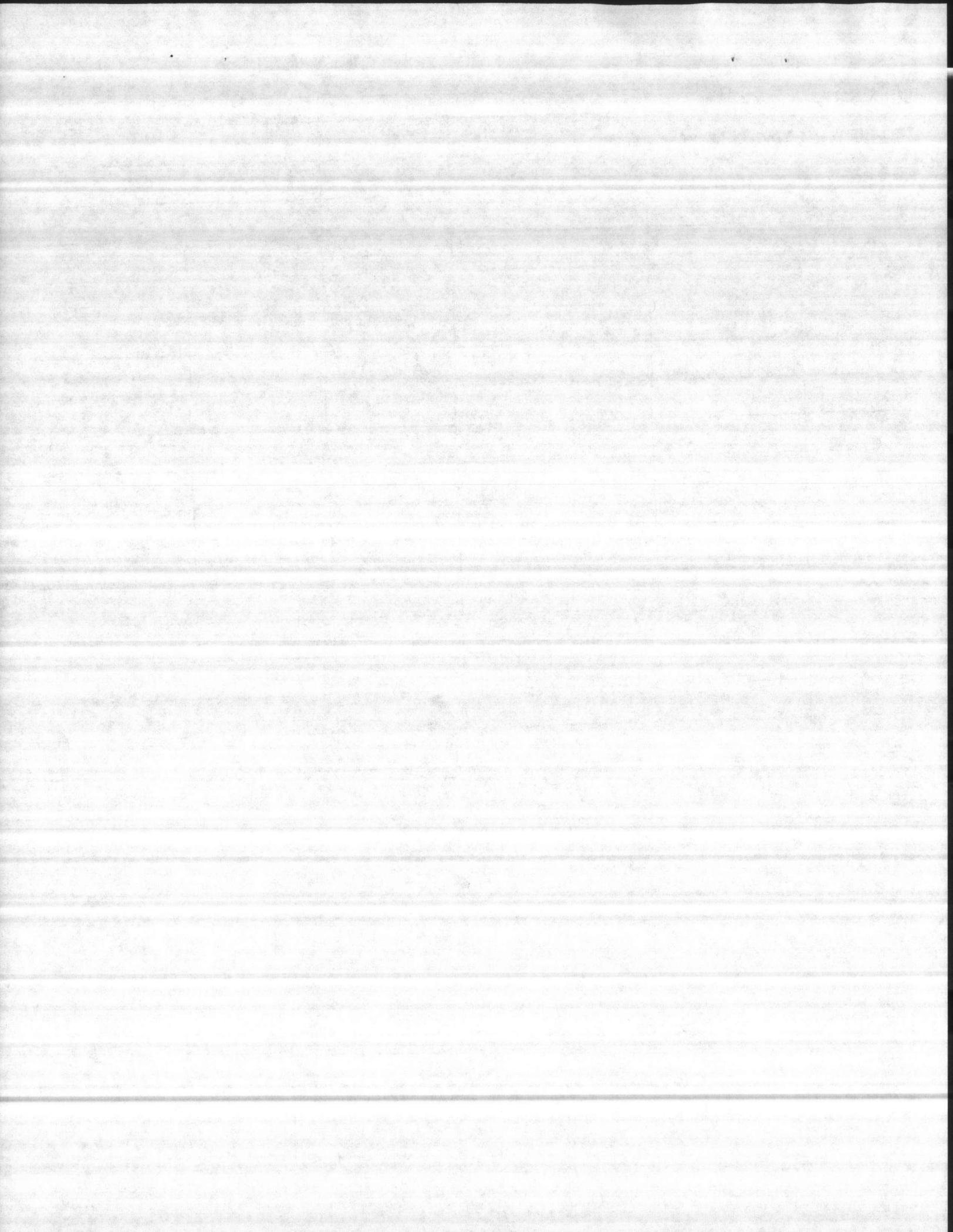
① Repair Vent  
 ② seal pump pedestal  
 ③ low flow - pump to be cleaned.



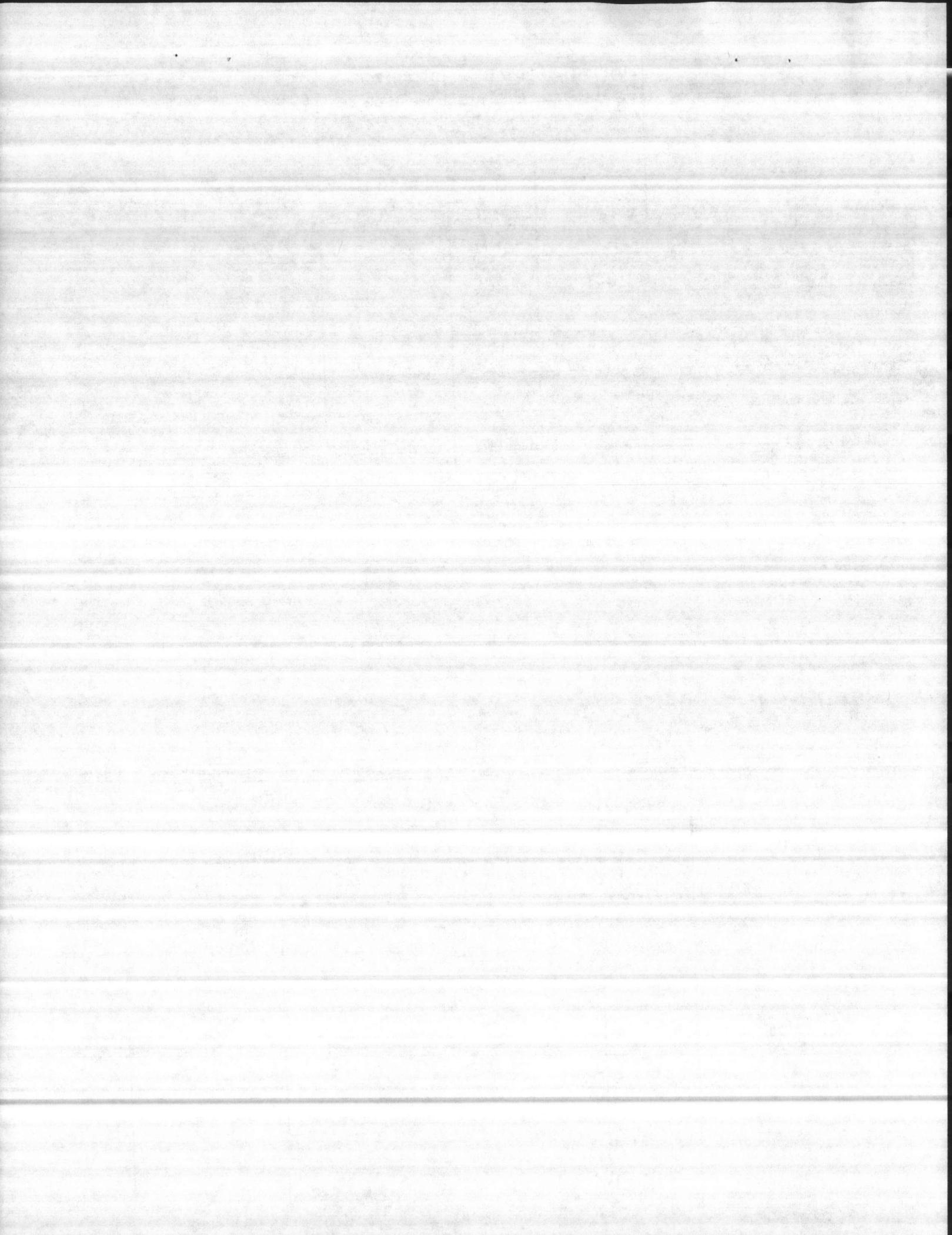


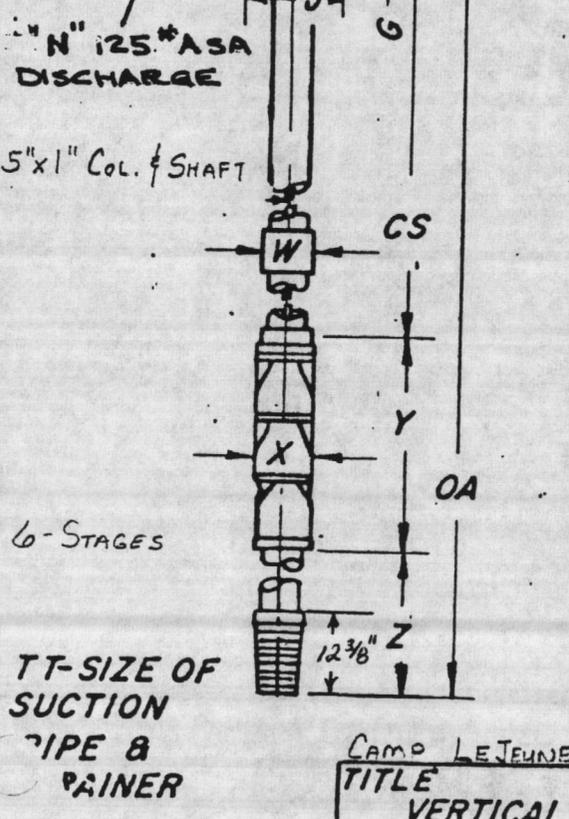
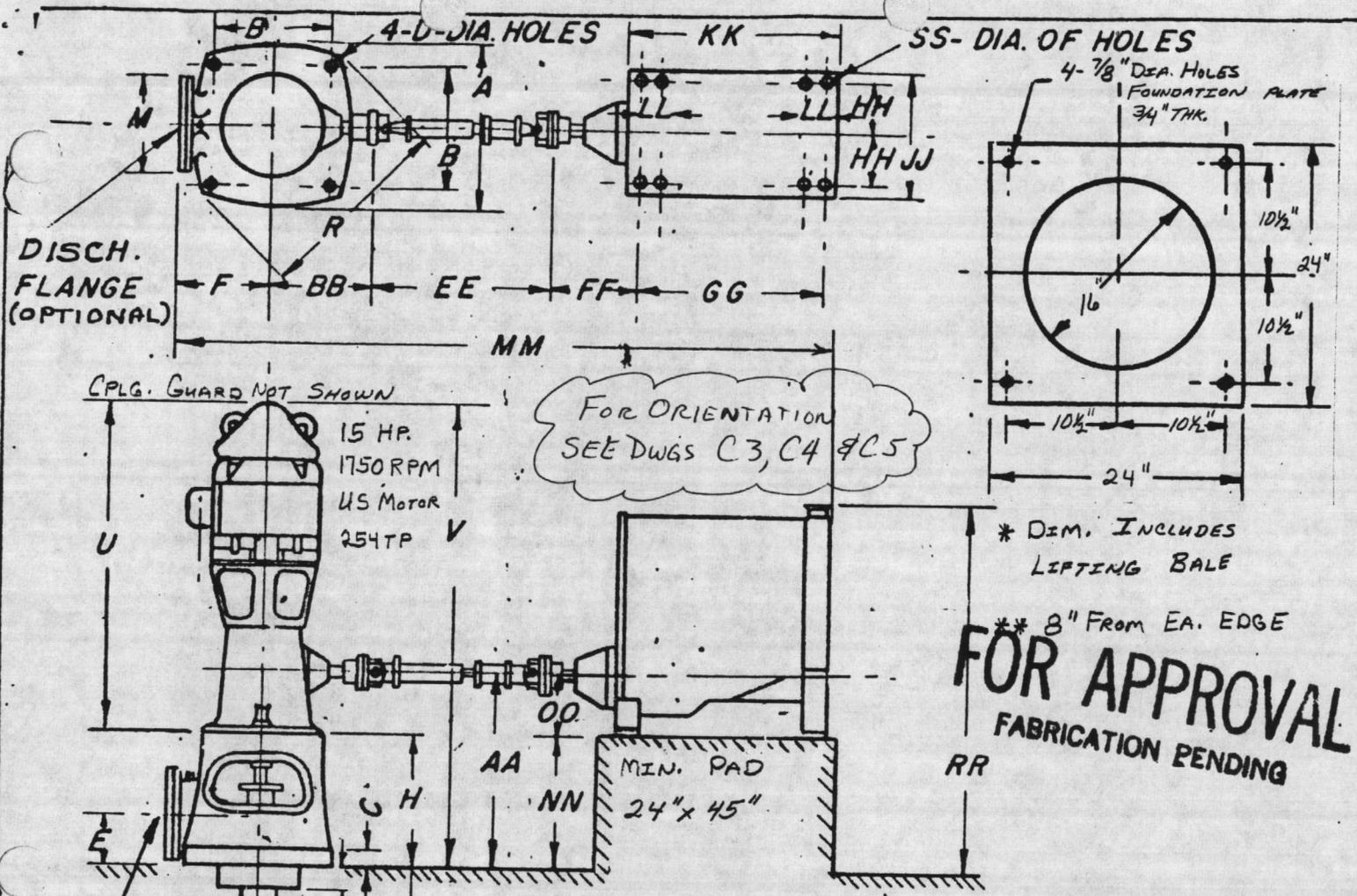












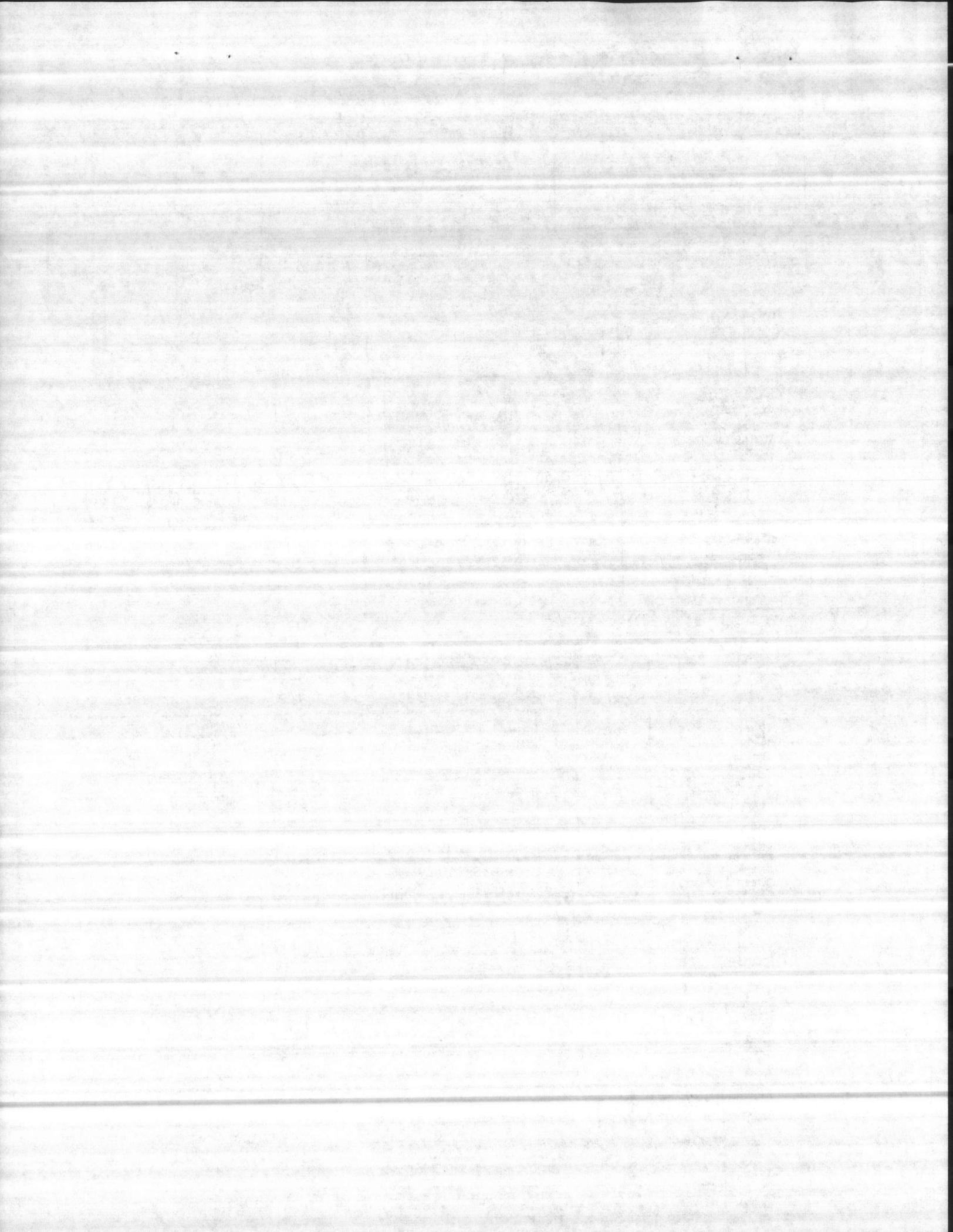
HARRY PEPPER & ASSOC. INC. S.O. 1635-02  
 P.O. C642-0001

DIMENSIONS			
A	17"	Z	11'-0 3/8"
B	14 1/2"	CS	85'-3 1/4"
C	2"	OA	101'-0 3/8"
D	7/8"	AA	1'-10 1/4"
E	6 1/2"	BB	10 7/8"
F	9"	EE	24"
G	3 3/4"	FF	21 1/16"
H	15 1/2"	GG	29"
J	9 7/8"	HH	11 1/4"
M	11"	JJ	20"
N	6"	KK	45"
R	23"	LL	-
T	-	MM	7'-4 7/8"
U	4'-3 9/16"	NN	10 1/4"
V	5'-7 1/16"	OO	12"
W	6 1/4"	RR	56 1/4" *
X	7 1/2"	SS	5/8" **
Y	4'-8 1/4"	TT	5"

CAMP LEJEUNE No. 2 WELL  
 TITLE  
**VERTICAL TURBINE PUMP WITH COMBINATION RIGHT ANGLE GEAR DRIVE WITH ENGINE & MOTOR**  
 DATE 1-26-81 SCALE NONE

DATE OF ISSUE  
**3-1-85**  
 DESTROY ALL PREVIOUS PRINTS  
 FIG. 4700 SIZE M8  
 DRAWING NO. T82509

THE DEMING CO.  
 SALEM, OHIO  
 RPW



CAMP LEJEUNE No. 6 WELL

# DEMING PUMP CO.

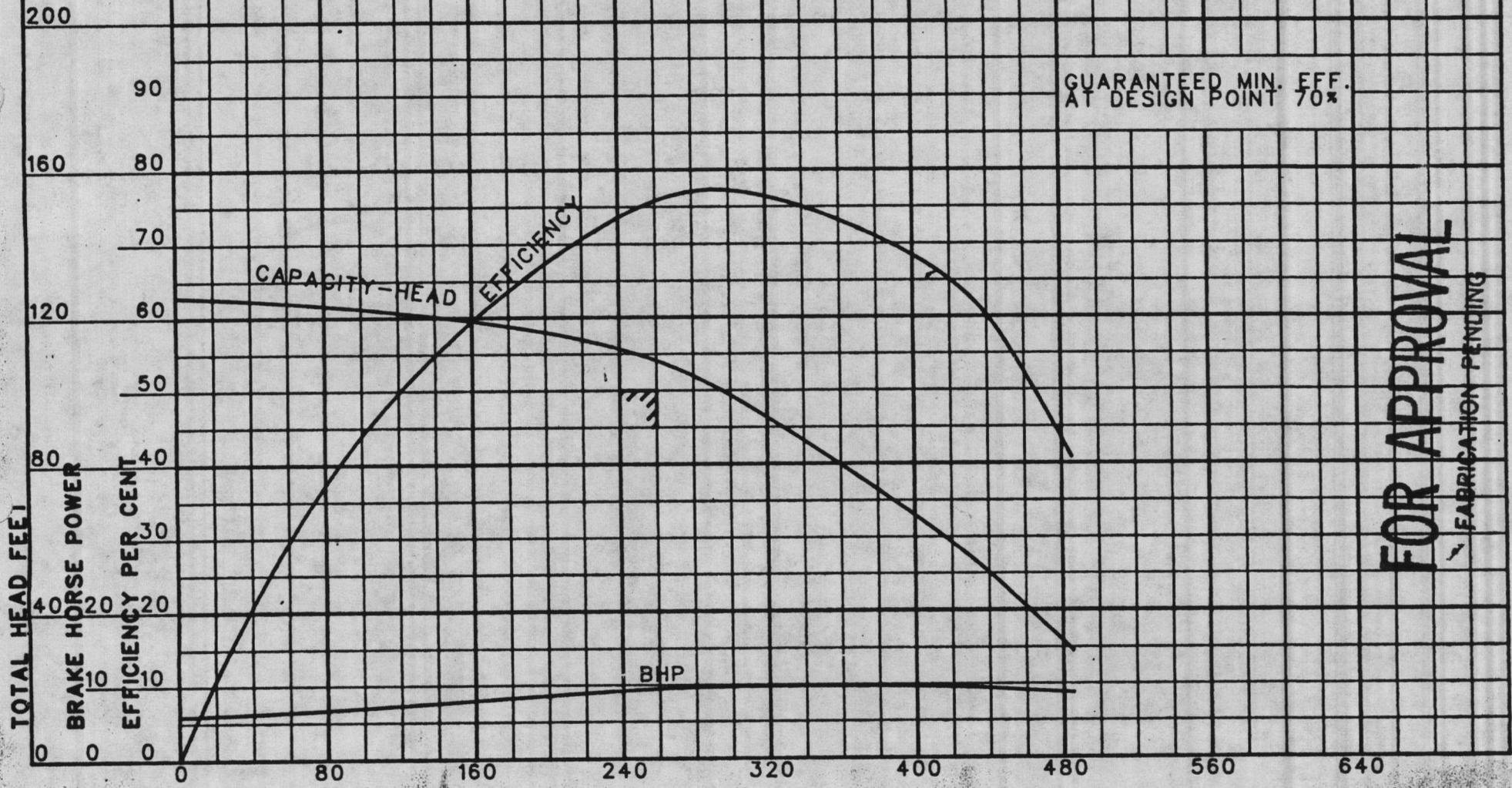
SALEM, OHIO, U.S.A.

240 HARRY PEPPER & ASSOC. S.O. 1635-06 P.O. C642-0001

## CHARACTERISTIC CURVES

FIG. 4700	SIZE M 8	STAGES 5	IMPELLER 22665
DESIGNED RATING: G.P.M. 260		HEAD 100	R.P.M. 1770

OTHER CURVE POINTS AND GENERAL SHAPE OF CURVES ARE APPROXIMATE



**FOR APPROVAL**  
FABRICATION PENDING

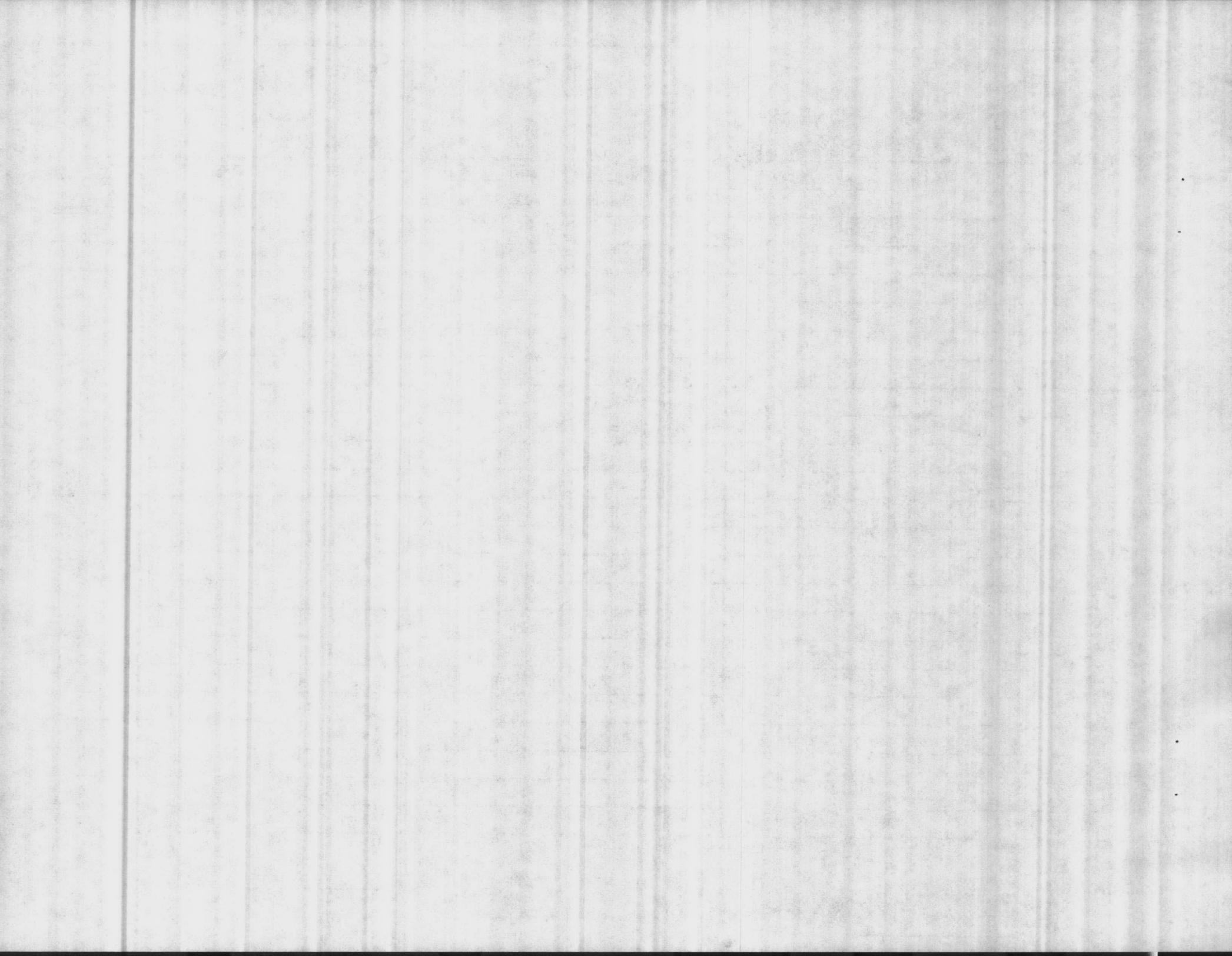
SERIAL NO. \*\*\*\*

U. S. GALLONS PER MINUTE

DATE 2-20-85

IMP. DIA. 5 5/16"

NO. Q23645



Hant

**CONTRACTOR'S SUBMITTAL TRANSMITTAL**

LANTDIV NORFOLK 4-4355/3 (Rev. 11-80)

CONTRACT NO SI-C-1644	TRANSMITTAL NO 215	DATE 5-10-86
--------------------------	-----------------------	-----------------

FROM CONTRACTOR  
 Harry Pepper & Associates, Inc.  
 TO  
 Henry Von Oesen & Associates, Inc.

PROJECT TITLE AND LOCATION  
 Holcomb Blvd Water Treatment Plant  
 MCO, Cp Lejeune, North Carolina

**CONTRACTOR USE ONLY**

\*List only one specification division per form.

List only one of the following categories on each transmittal form, and indicate which is being submitted

- Contractor Approved       OICC Approval       Deviation/Substitution For OICC Approval

**REVIEWER USE ONLY**

**\*\*ACTION CODES**

- A-Approved
- D-Disapproved
- AN-Approved as noted
- RA-Receipt acknowledged.
- C-Comments
- R-Resubmit

ITEM NO.	PROJ. SPEC. SECT. & PARA. and/or PROJ. DWG. NO. *	ITEM IDENTIFICATION (Type, size, model no., Mfg. name, dwg. or brochure number)	NO. OF COPIES	ACTION CODES **	REVIEWER'S INITIALS CODE AND DATE
	02734	ROTARY DRILLED WATER WELLS WELL # 6			
1	1.2.1	Shop Drawings	7	A	JRB

**CONTRACTOR'S COMMENTS**

An Additional ten (10) feet of screen was added/

This Shop Drawings replaces shop drawing previously submitted. See Transmittal # 100, dated 10-16-86.

COPY OF TRANSMITTAL AND SUBMITTALS TO ROICC

CONTRACTOR REPRESENTATIVE (Signature)

ONE COPY TO ROICC

Phil Reese *Phil Reese*

DATE RECEIVED BY REVIEWER

FROM (Reviewer)

TO

6/3/86

HENRY VON OESSEN AND ASSOC., INC.

Submittals are returned with action indicated. Approval of an item does not include approval of any deviation from the contract requirements unless the contractor calls attention to and supports the deviation.

Submittals are forwarded to LANTDIV with A-E recommendations indicated in REVIEWER USE ONLY Section and in comments below on ONE COPY of the transmittal form.

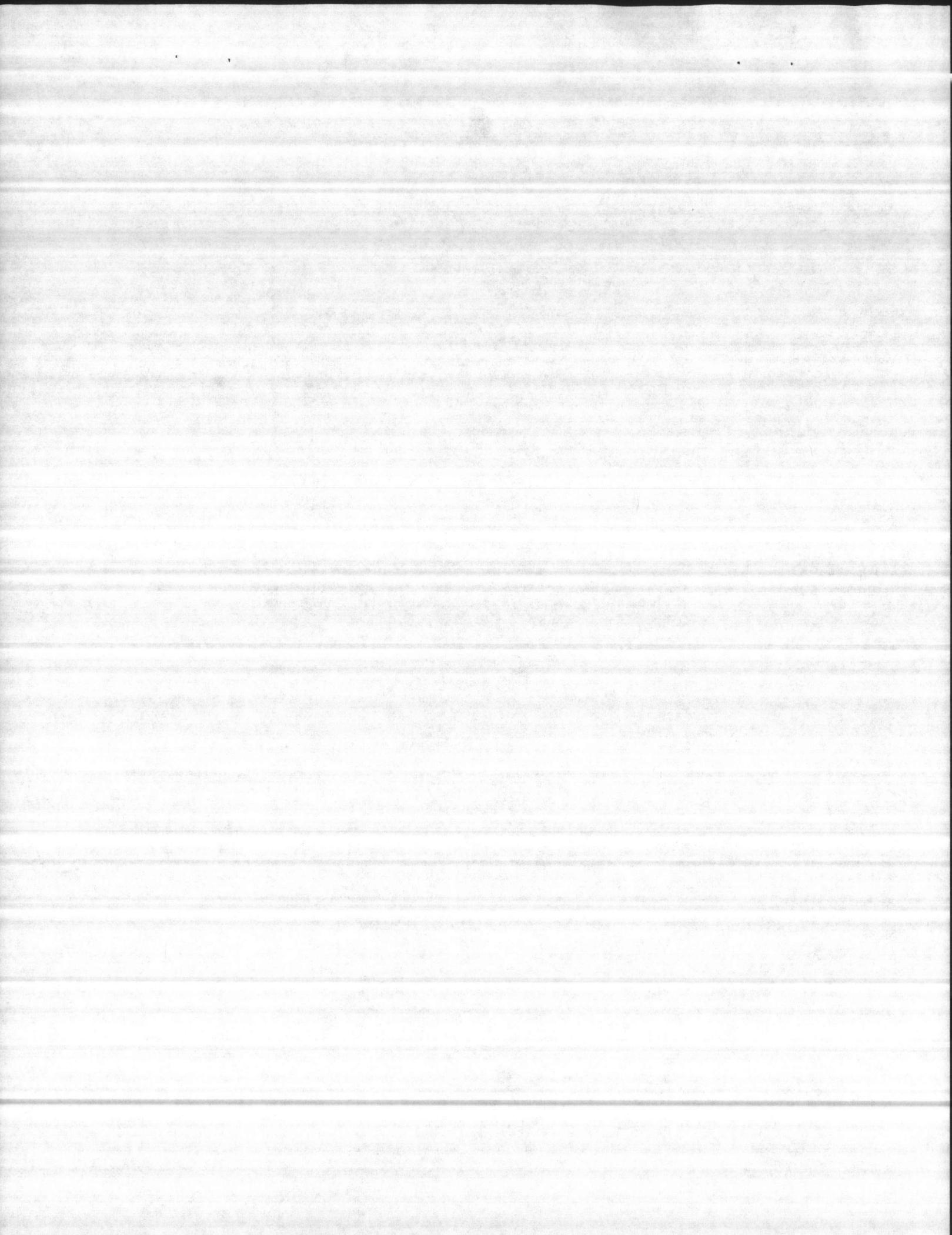
**REVIEWER'S COMMENTS**

COPIES TO  
ROICC (2)  
LANTDIV (1)  
A-E (1)

DATE

6/13/86

SIGNATURE



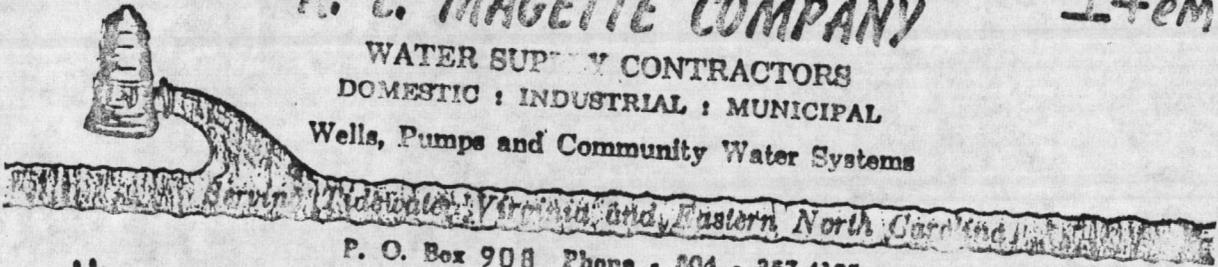
FOR

# P. L. MAGETTE COMPANY

Item # 1

WATER SUPPLY CONTRACTORS  
DOMESTIC : INDUSTRIAL : MUNICIPAL

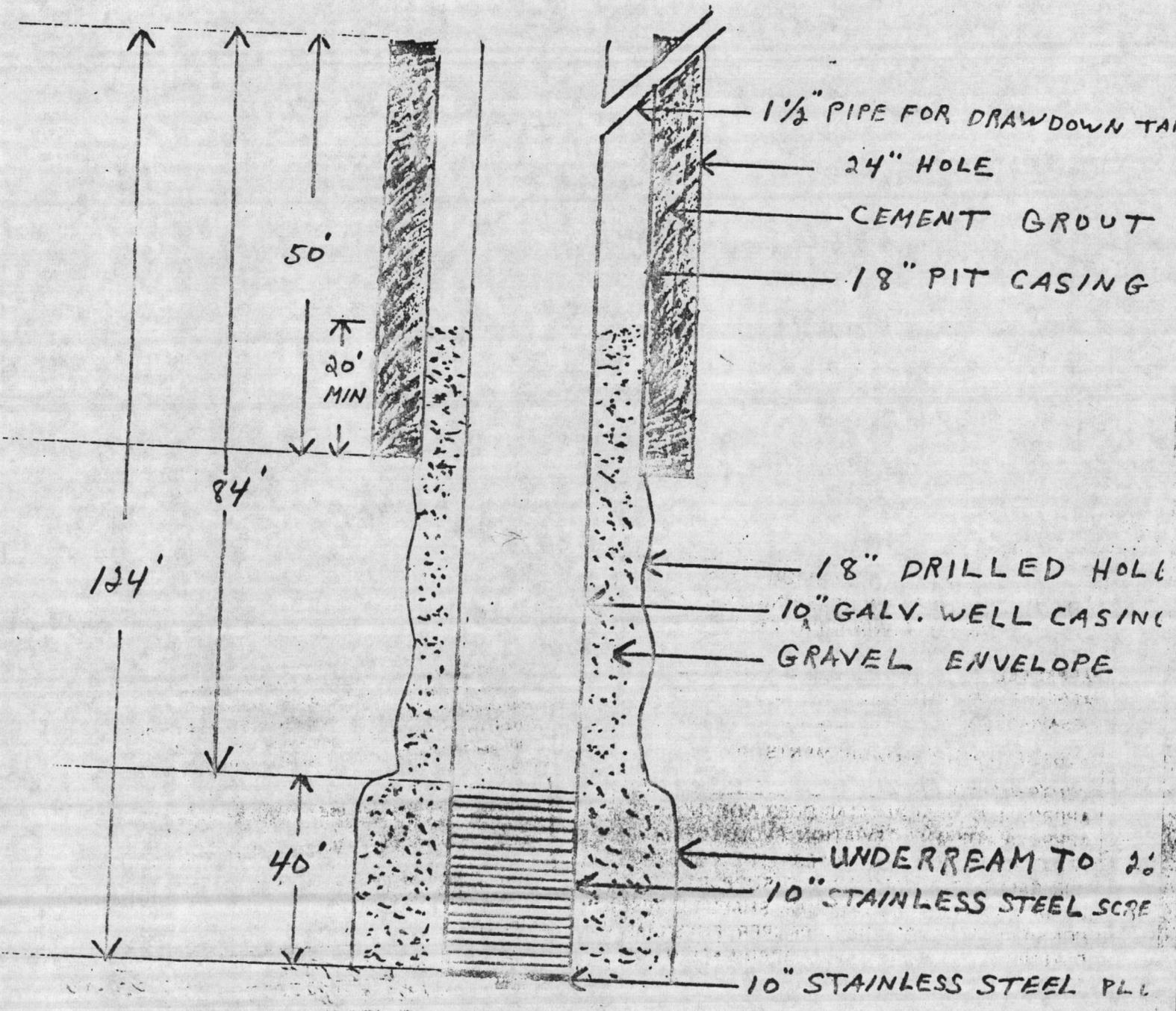
Wells, Pumps and Community Water Systems



P. O. Box 908 Phone - 804 - 357-4105

Smithfield, Virginia 23430

## WELL #6



ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VIRGINIA 23511

APPROVED  \_\_\_\_\_  
APPROVED AS NOTED \_\_\_\_\_  
DISAPPROVED \_\_\_\_\_

SUBJECT TO THE REQUIREMENTS OF  
CONTRACT NO. NG2470-81-C-1644  
APPROVAL OF A SUBMITTAL DOES NOT INCLUDE  
APPROVAL OF ANY DEVIATION FROM THE CON-  
TRACT REQUIREMENTS UNLESS THE CONTRAC-  
TOR CALLS ATTENTION TO AND SUPPORTS THE  
DEVIATION --- THE CONTRACTOR SHALL BE RES-  
PONSIBLE FOR PROVIDING PROPER PHYSICAL  
DIMENSIONS & WEIGHTS, COORDINATION OF  
TRADES, ETC., AS REQUIRED.

REVIEWER M. B. [Signature] DATE JUN 9 1986

FOR OFFICER IN CHARGE OF CONSTRUCTION

It is hereby certified that the (material) (equipment) shown and  
marked in this submittal, shop drawings, catalog cut(s), etc., and  
approved/proposed to be incorporated into Contract Number  
N62470-81-C-1644 is in compliance with the Contract Drawings  
and Specifications and can be installed in the allocated space,  
and is:

- \_\_\_\_ Approved for use.  
 Submitted for Government approval.  
\_\_\_\_ Approved for use subject to Government approval of  
specific deviation.

Authorized Reviewer \_\_\_\_\_

DATE \_\_\_\_\_

Signature CQC Rep. Phil [Signature]

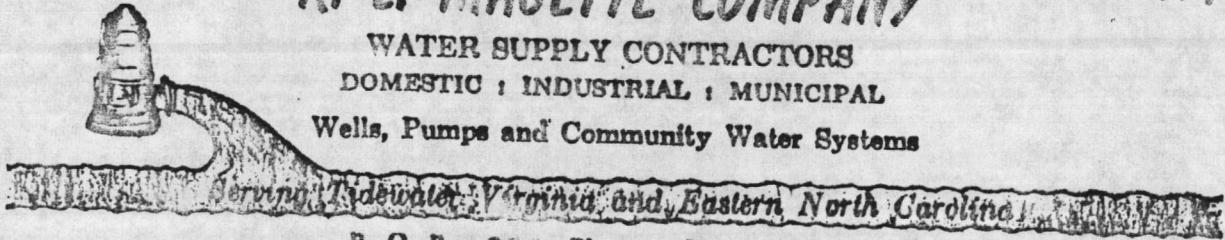
DATE 5-30-86

# R. L. MAGETTE COMPANY

Item # 1

WATER SUPPLY CONTRACTORS  
DOMESTIC : INDUSTRIAL : MUNICIPAL

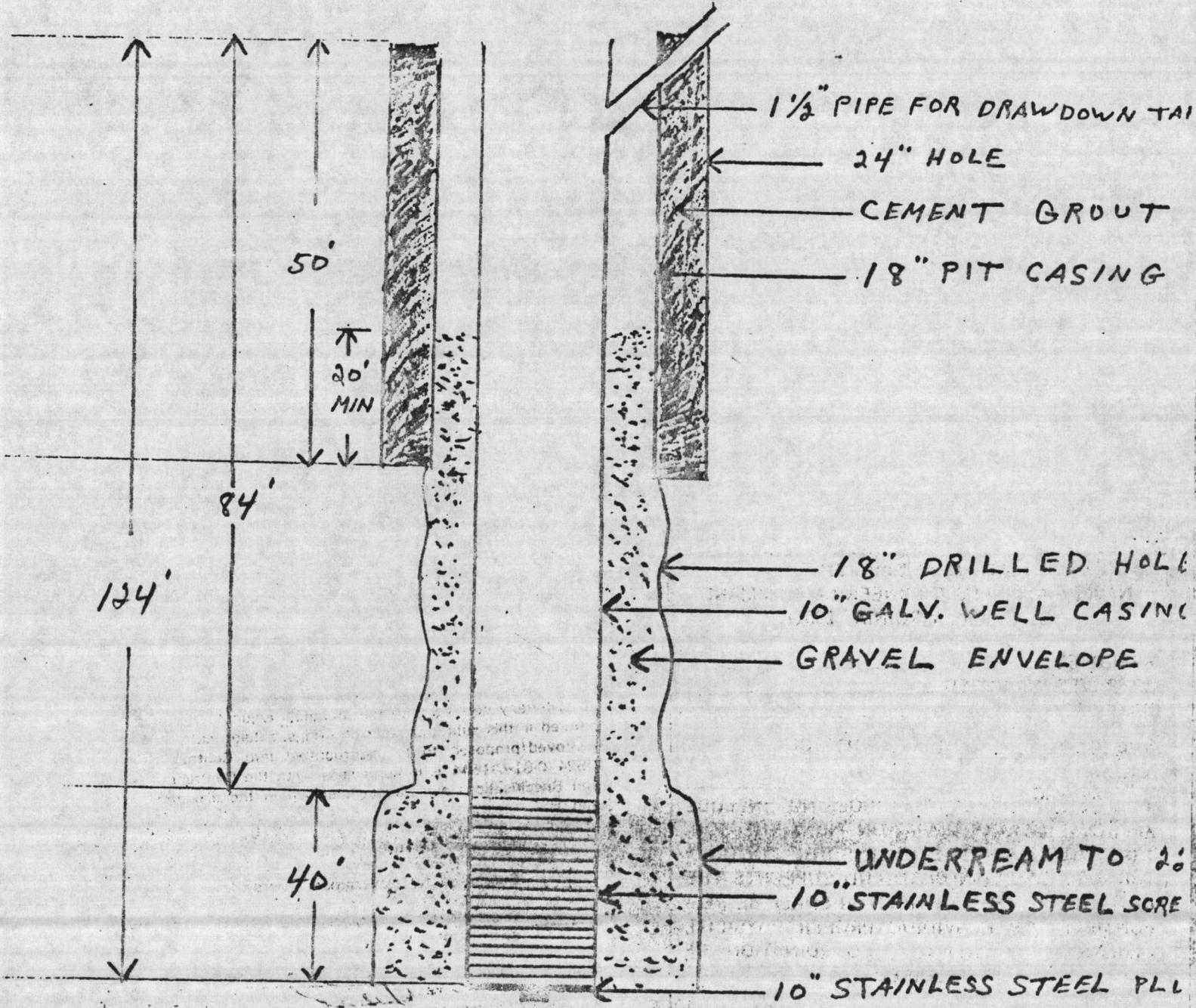
Wells, Pumps and Community Water Systems



P. O. Box 908 Phone - 804 - 357-4105

Smithfield, Virginia 23430

## WELL #6



**ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VIRGINIA 23511**

**APPROVED**  
 **APPROVED AS NOTED**  
 **DISAPPROVED**

**SUBJECT TO THE REQUIREMENTS OF  
CONTRACT NO. NG2470-81-C-1644  
APPROVAL OF A SUBMITTAL DOES NOT INCLUDE  
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TRACT REQUIREMENTS UNLESS THE CONTRAC-  
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DEVIATION --- THE CONTRACTOR SHALL BE RES-  
PONSIBLE FOR PROVIDING PROPER PHYSICAL  
DIMENSIONS & WEIGHTS, COORDINATION OF  
TRADES, ETC., AS REQUIRED.**

**REVIEWER** *[Signature]* **DATE** JUN 9 1986

**FOR OFFICER IN CHARGE OF CONSTRUCTION**

"It is hereby certified that the (material) (equipment) shown and marked in this submittal, shop drawings, catalog cut (s), etc., and approved/proposed to be incorporated into Contract Number N62470-81-C-1644 is in compliance with the Contract Drawings and Specifications and can be installed in the allocated space, and is:

- Approved for use.  
 Submitted for Government approval.  
 Approved for use subject to Government approval of specific deviation.

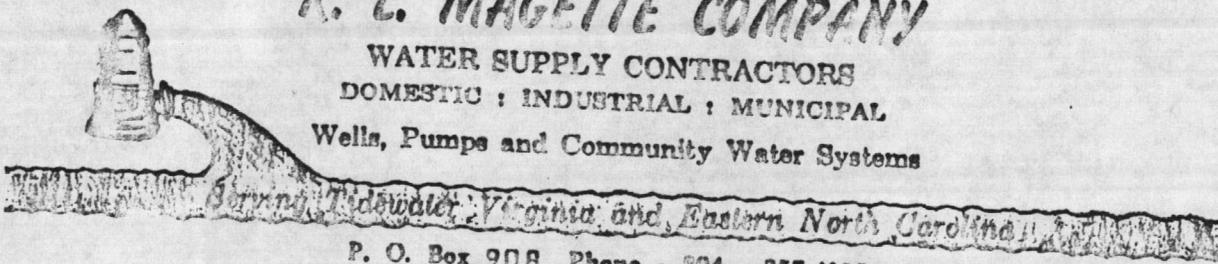
**Authorized Reviewer** \_\_\_\_\_ **DATE** \_\_\_\_\_  
**Signature CQC Rep.** *Phil Reese* **DATE** 5-30-86

# R. L. MAGETTE COMPANY

WATER SUPPLY CONTRACTORS

DOMESTIC : INDUSTRIAL : MUNICIPAL

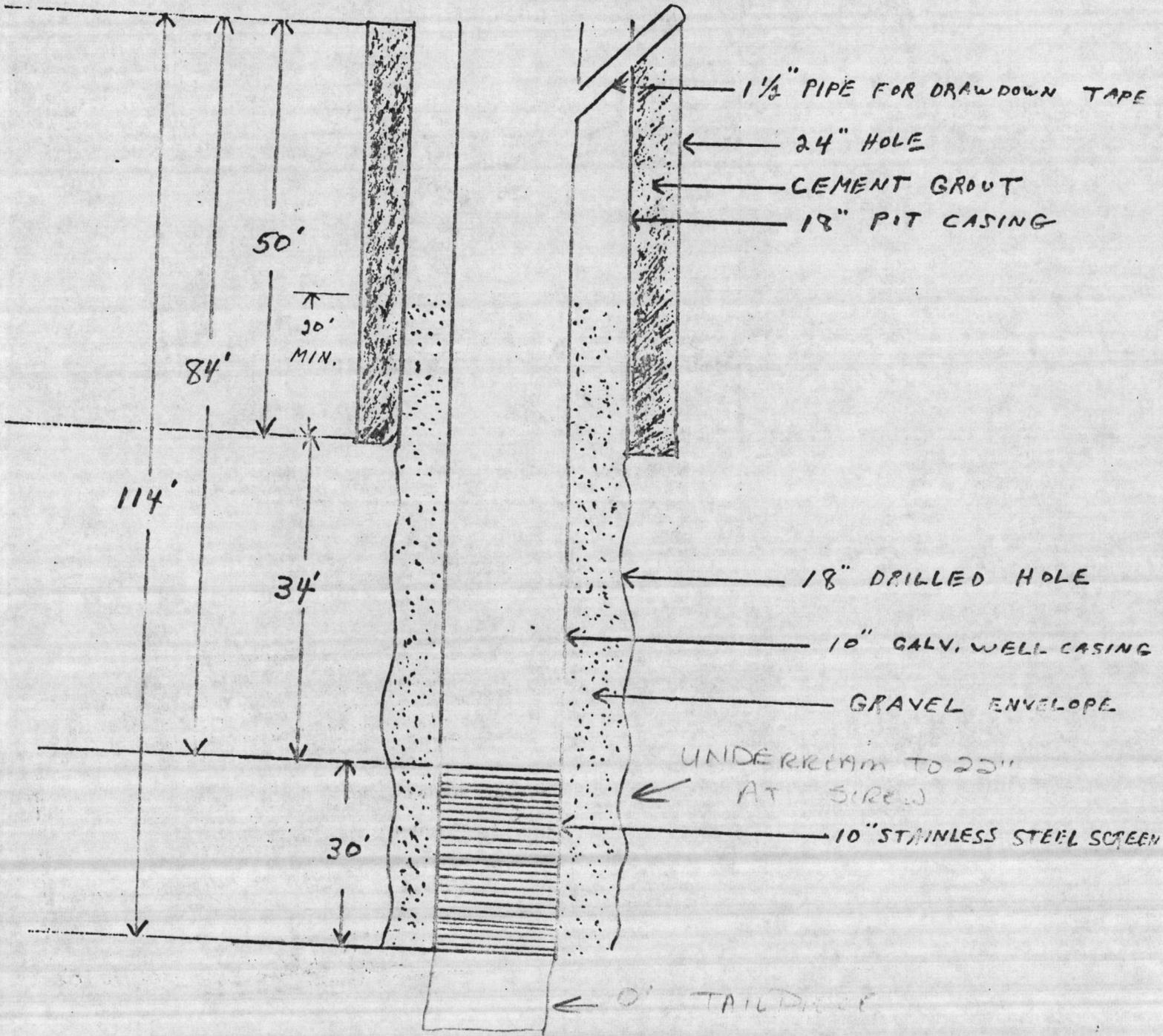
Wells, Pumps and Community Water Systems



P. O. Box 908 Phone - 804 - 357-4105

Smithfield, Virginia 23430

WELL #6



ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VIRGINIA 23511

APPROVED \_\_\_\_\_  
APPROVED AS NOTED  \_\_\_\_\_  
DISAPPROVED \_\_\_\_\_

SUBJECT TO THE REQUIREMENTS OF  
CONTRACT NO. N62470-81-C-1644

APPROVAL OF A SUBMITTAL DOES NOT INCLUDE  
APPROVAL OF ANY DEVIATION FROM THE CON-  
TRACT REQUIREMENTS UNLESS THE CONTRAC-  
TOR CALLS ATTENTION TO THE NATURE OF THE  
DEVIATION... THE CONTRACTOR SHALL BE RES-  
PONSIBLE FOR PROVIDING PROPER PHYSICAL  
DIMENSIONS & WEIGHTS, COORDINATION OF  
TRADES, ETC., AS REQUIRED.

REVIEWER *M. B. Brown* DATE OCT 21 1985

FOR OFFICER IN CHARGE OF CONSTRUCTION

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marked in this submittal, shop drawings, catalog cut (s), etc., and  
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N62470-81-C-1644 is in compliance with the Contract Drawings  
and Specifications and can be installed in the allocated space,  
and is:

Approved for use.

Submitted for Government approval.

Approved for use subject to Government approval of  
specific deviation.

Authorized Reviewer \_\_\_\_\_

Signature CQC Rep. *Phil Reese*

DATE \_\_\_\_\_

DATE 10-16-85

Hunt

**CONTRACTOR'S SUBMITTAL TRANSMITTAL**

LANTDIV NORFOLK 4-4355/3 (Rev. 11-80)

CONTRACT NO 81-C-1644	TRANSMITTAL NO 109	DATE 10-16-85
--------------------------	-----------------------	------------------

FROM CONTRACTOR  
Harry Pepper & Associates, Inc.

TO  
Henry Von Oesen & Associates, Inc.

PROJECT TITLE AND LOCATION  
Holcomb Blvd Water Treatment Plant  
Cp Lejeune, North Carolina

**CONTRACTOR USE ONLY**

\*List only one specification division per form.

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**REVIEWER USE ONLY**

\*\*ACTION CODES

- A-Approved
- D-Disapproved
- AN-Approved as noted
- RA-Receipt acknowledged.
- C-Comments
- R-Resubmit

ITEM NO	PROJ. SPEC. SECT. & PARA. and/or PROJ. DWG. NO. *	ITEM IDENTIFICATION (Type, size, model no., Mfg. name, dwg. or brochure number)	NO. OF COPIES	REVIEWER'S INITIALS CODE AND DATE	
				ACTION CODES **	
	02734	ROTARY DRILLED WATER WELLS ---- Well # 6			
1	1.2.1	Shop Drawings	7	AN	af 10/21/85

CONTRACTOR'S COMMENTS

This Transmittal forms a part of Transmittal # 95, dated 9-20-85

COPY OF TRANSMITTAL AND SUBMITTALS TO ROICC

ONE COPY TO ROICC

CONTRACTOR REPRESENTATIVE (Signature)

*Phil Pease*

DATE RECEIVED BY REVIEWER

10/17/85

FROM (Reviewer)

HENRY VON OESEN & ASSOC

TO

HARRY PEPPER & ASSO C

Submittals are returned with action indicated. Approval of an item does not include approval of any deviation from the contract requirements unless the contractor calls attention to and supports the deviation.

Submittals are forwarded to LANTDIV with A-E recommendations indicated in REVIEWER USE ONLY Section and in comments below on ONE COPY of the transmittal form.

REVIEWER'S COMMENTS

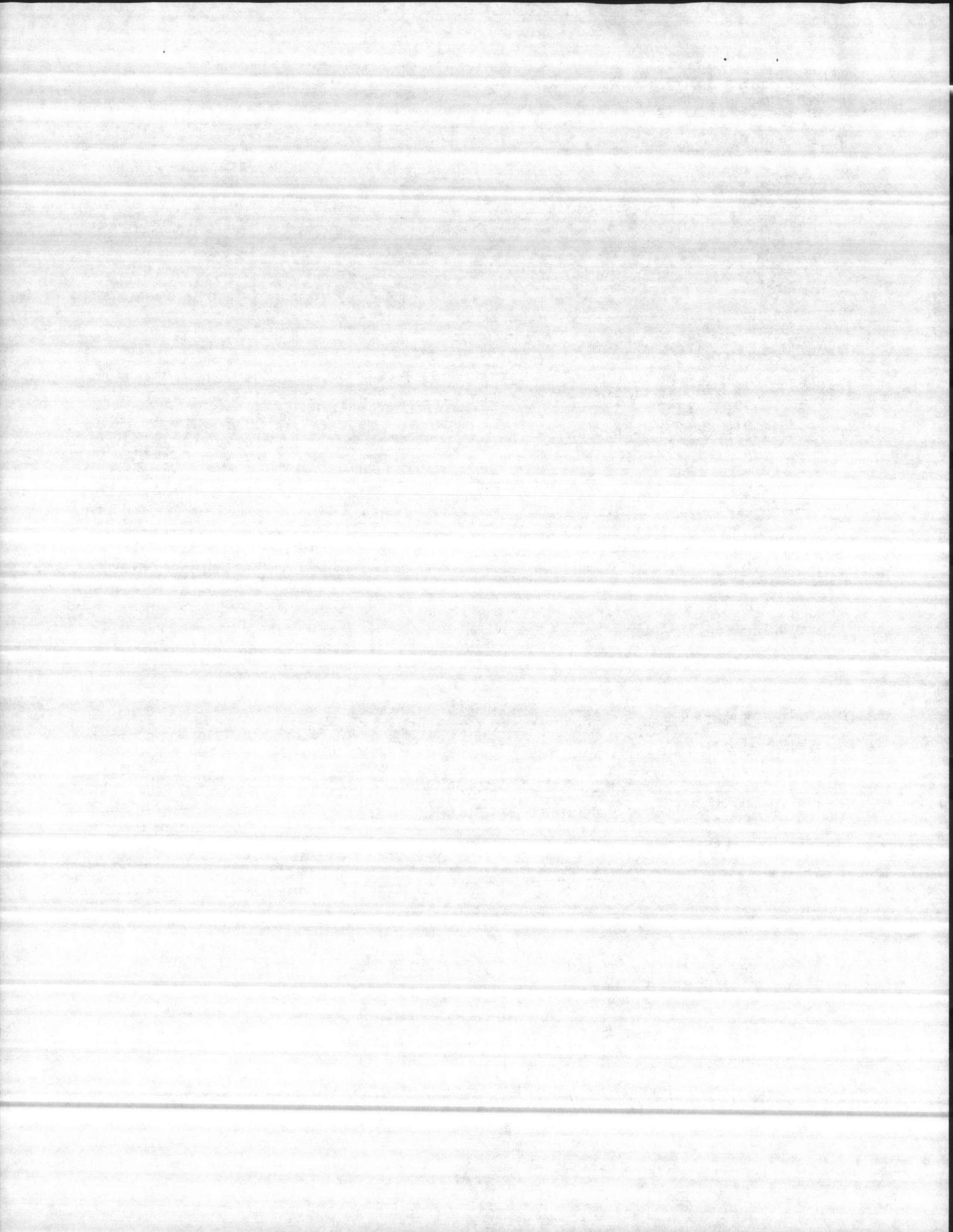
COPIES TO  
ROICC (2)  
LANTDIV (1)  
A-E (1)

DATE

10/21/85

SIGNATURE

*[Signature]*



Hunt

**CONTRACTOR'S SUBMITTAL TRANSMITTAL**

LANTDIV NORFOLK 4-4355/3 (Rev. 11-80)

CONTRACT NO <b>81-C-1644</b>	TRANSMITTAL NO <b>95</b>	DATE <b>9-20-85</b>
---------------------------------	-----------------------------	------------------------

FROM CONTRACTOR  
**Harry Pepper & Associates, Inc.**

TO  
**Henry Von Oesen & Associates, Inc.**

PROJECT TITLE AND LOCATION  
**Holcomb Blvd Water Treatment Plant**  
**Cp Lejeune, North Carolina**

**CONTRACTOR USE ONLY**

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- AN-Approved as noted
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- R-Resubmit

ITEM NO	PROJ. SPEC. SECT. & PARA. and/or PROJ. DWG. NO. *	ITEM IDENTIFICATION (Type, size, model no., Mfg. name, dwg. or brochure number)	NO. OF COPIES	ACTION CODES	REVIEWER'S INITIALS CODE AND DATE
	02734	ROTARY-DRILLED WATER WELLS ---- Well # 6			
1	2.2	Driller's Log	7	A	JPB 10/3/85
2	2.2.3	Electric Log	7	A	JPB 10/3/85
3	2.2	Gamma Log	7	A	JPB 10/3/85
4	<del>2.2.2</del> 2.2.2	Water Analysis and Sieve Analysis	7	A	JPB 10/3/85
5	2.2.4	Recommendation and Data Submittal	7	A	JPB 10/3/85

CONTRACTOR'S COMMENTS

COPY OF TRANSMITTAL AND SUBMITTALS TO ROICC

CONTRACTOR REPRESENTATIVE (Signature)

ONE COPY TO ROICC

Phil Reese

DATE RECEIVED BY REVIEWER

FROM (Reviewer)

TO

9/24/85

HENRY VON OESSEN & ASSOC

HARRY PEPPER & ASSOC

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REVIEWER'S COMMENTS

COPIES TO  
ROICC (2)  
LANTDIV (1)  
A-E (1)

DATE

10/3/85

SIGNATURE



**LAW & COMPANY**  
*Consulting and Analytical Chemists*

*Item # 4*

ESTABLISHED 1903

Main Office  
 1711 Castle Street  
 P.O. Box 629  
 Wilmington, N.C. 28402

Well #704

RICHARD SPIVEY, President  
 919-762-7082 919-762-8956  
 TWX 510-937-0280

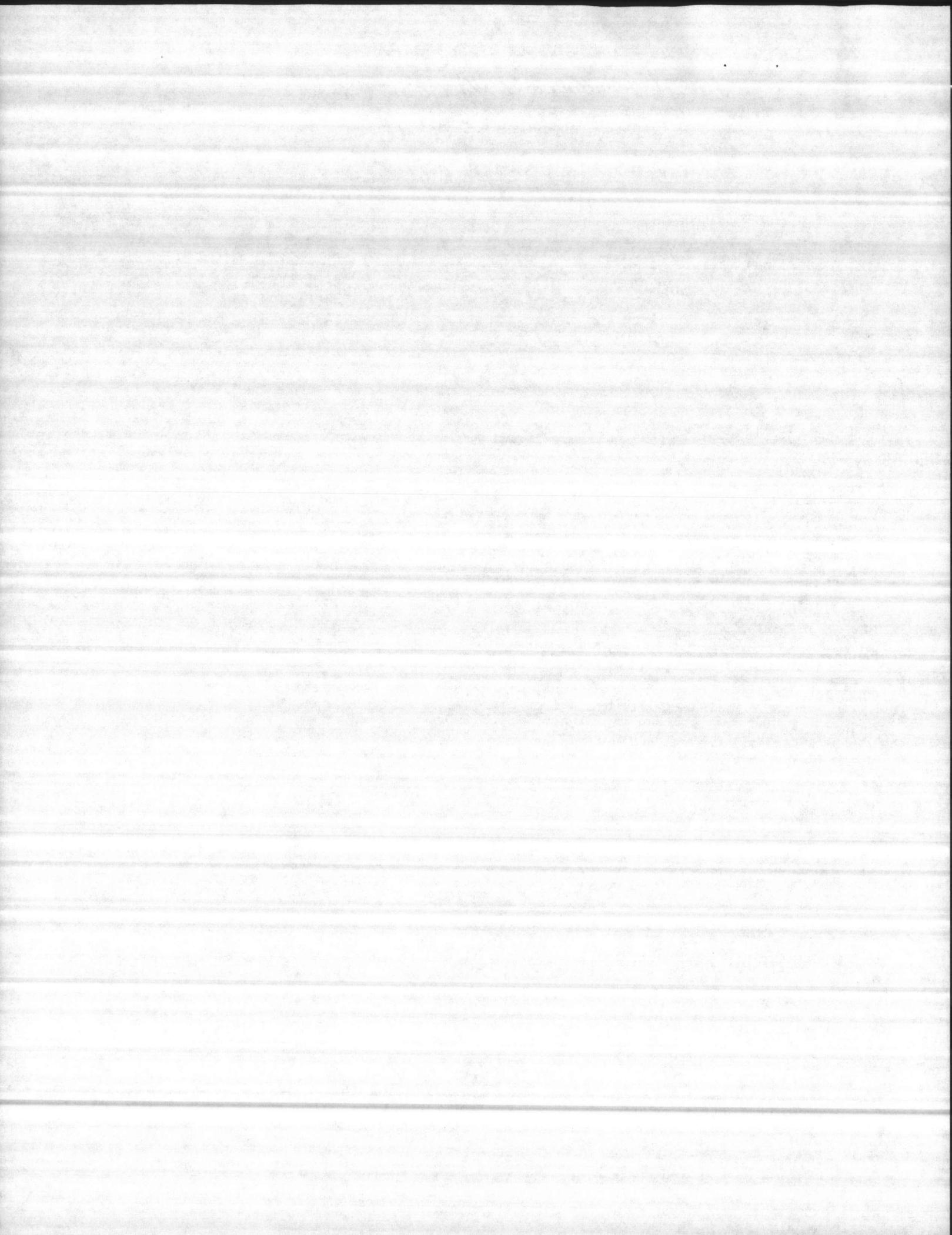
MAJETT WELL & PUMP CO  
 P. O. BOX 908  
 SMITHFIELD, VA 23430  
 ATTN: BUD KELLOG

DATE COLLECTED: 7-25-85 9:00  
 DATE RECEIVED: 7-25-85 11:30  
 COLLECTED BY: CUSTOMER  
 LAB ID# EW8687

SAMPLE DESCRIPTION: WELL #6

<u>TESTS/UNITS</u>	<u>RESULTS</u>
	<u>84-94</u>
DISSOLVED OXYGEN (MG/L)	6.0
TEMPERATURE (°F)	65
pH	7.9
CARBON DIOXIDE (PPM)	0
SULFIDES (PPM)	.32
CHLORINE DEMAND (PPM)	1
COLOR (APHA)	35
TURBIDITY (NTU)	50
TOTAL ALKALINITY (PPM)	257
HYDROXIDE (PPM)	0
BICARBONATE (PPM)	228
CARBONATE (PPM)	29
TOTAL HARDNESS (PPM)	166
NON-CARBONATE (PPM)	0
CARBONATE (PPM)	166
TOTAL DISSOLVED SOLIDS (PPM)	238

CONTINUED.....



**LAW & COMPANY**  
*Consulting and Analytical Chemists*

ESTABLISHED 1903

Main Office  
1711 Castle Street  
P.O. Box 629  
Wilmington, N.C. 28402

Well #704

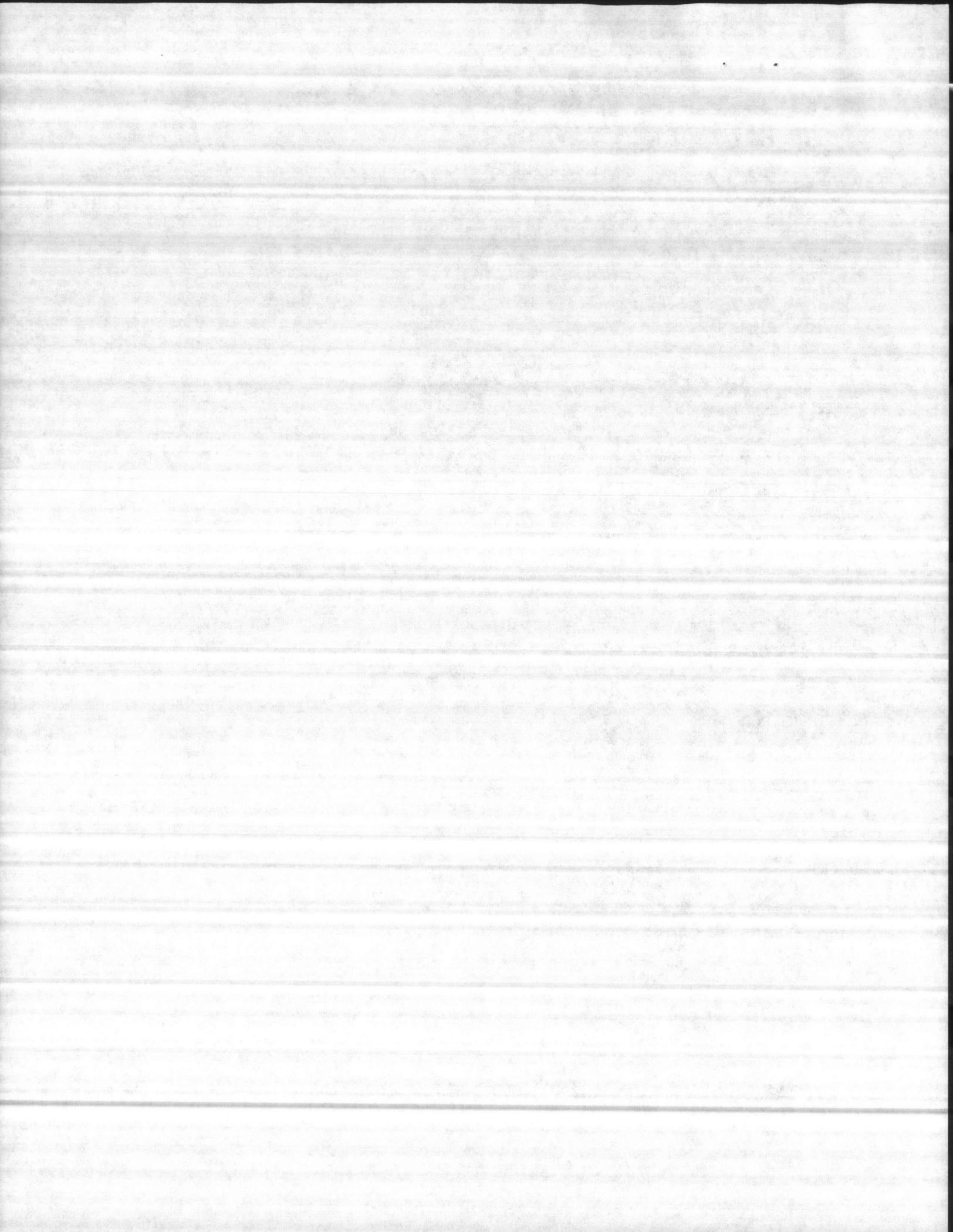
RICHARD SPIVEY, President  
919-762-7082 919-762-8956  
TWX 510-937-0280

<u>TESTS/UNITS</u>		<u>RESULTS</u>
		<u>84-94</u>
SPECIFIC CONDUCTANCE	(UMHOS)	330
SULFATE	(PPM)	23
CALCIUM	(PPM)	50
MAGNESIUM	(PPM)	1.1
SODIUM	(PPM)	9.5
POTASSIUM	(PPM)	2.4
CHLORIDE	(PPM)	9
NITRATE NITROGEN	(PPM)	<.2
IRON	(PPM)	2.1
MANGANESE	(PPM)	<.02
SILICON	(PPM)	2.1
FLOURIDE	(PPM)	<.2

CHEMIST

*Dolly Bidwan*

TOTAL CHARGES \$180.00



# HSSC

## HOWARD SMITH SCREEN COMPANY

QUOTATION



A Halliburton Company

1201 SAWYER ST. ♦ P.O. BOX 666 ♦ (713) 869-5771 ♦ TELEX: 77-4667 ♦ HOUSTON, TEXAS 77001

### STANCLIFF RIBBED WIRE WRAPPED SCREENS FOR OIL AND WATER WELLS

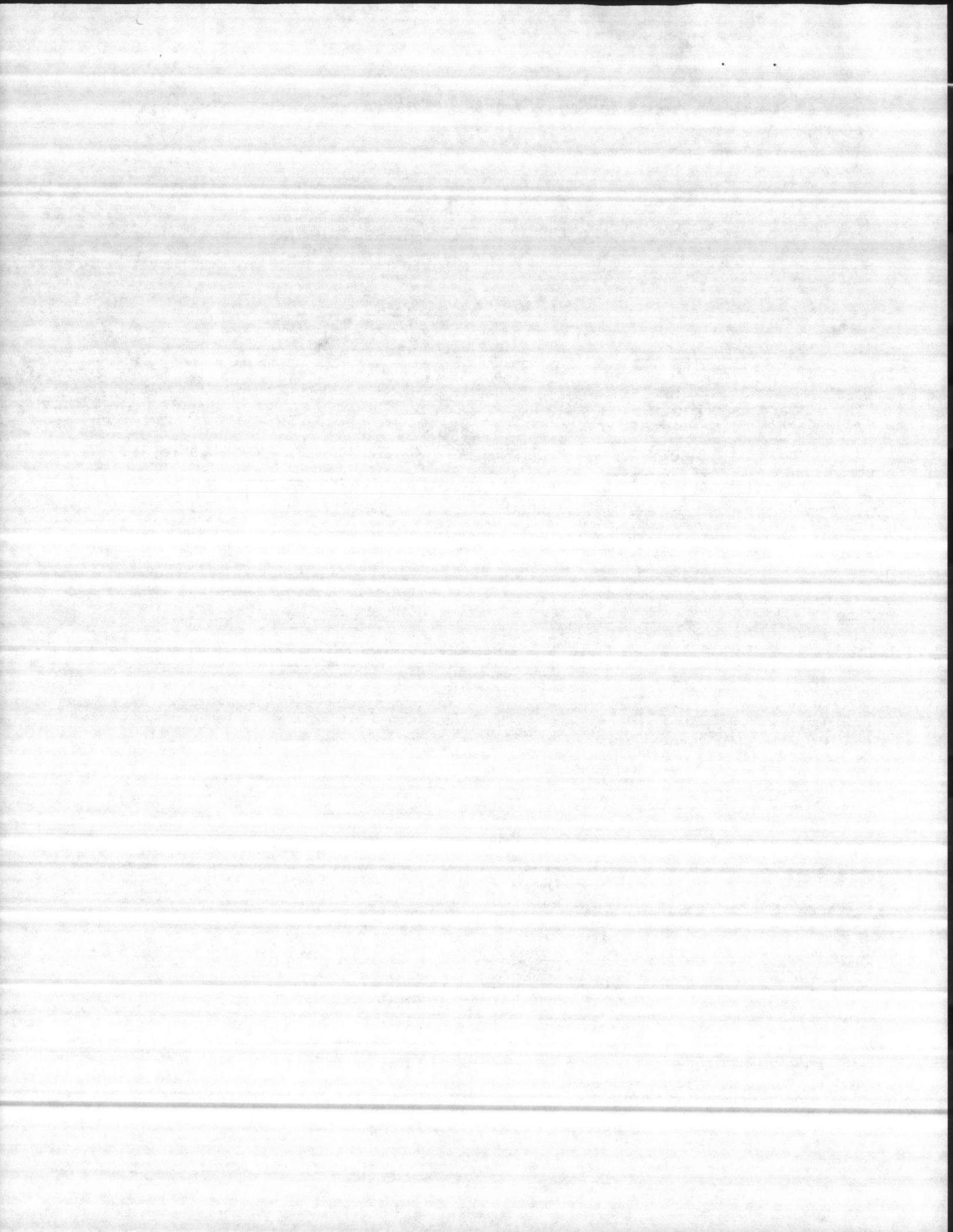
### SIEVE ANALYSIS

NAME \_\_\_\_\_ DEPTH 80-100 MATERIAL \_\_\_\_\_  
LOCATION \_\_\_\_\_ WELL NO. 6

SIEVE OPENINGS - INCHES	RETAINED WTS.		TOTAL %		REMARKS
	GRAMS	%	CUMULATIVE RETENTION	PASSED	
020	1.4	11.29	11.29		
016	1.2	9.67	20.96		
014	1.2	9.67	30.63		
012	1.0	8.06	38.69		
010	.9	7.25	45.94		
008	.9	7.25	53.19		
006	3.3	26.61	79.80		
004	1.4	11.29	91.09		
003	.6	4.83	95.92		
PAN	.5	4.08	100.00		
<b>TOTALS</b>	12.4	100.00			

BY JIM JACKSON

DATE \_\_\_\_\_





HARRY PEPPER & ASSOCIATES, INC.

Item #5

ENGINEERING CONTRACTORS

September 20, 1985

Henry Von Oesen  
611 Princess St.  
Wilmington, NC 28402

RE: N62470-81-C-1644  
Expansion of Holcomb Blvd.  
Water Treatment Plant  
Camp Lejeune, NC 28542  
Well # 6

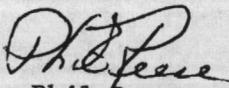
Gentlemen:

We are enclosing six (6) copies of the Driller's Log, Electric Log, Gamma Log, Water Analysis and Sieve Analysis for your review. The test well was drilled at 250'. Water samples were taken at the 90' level.

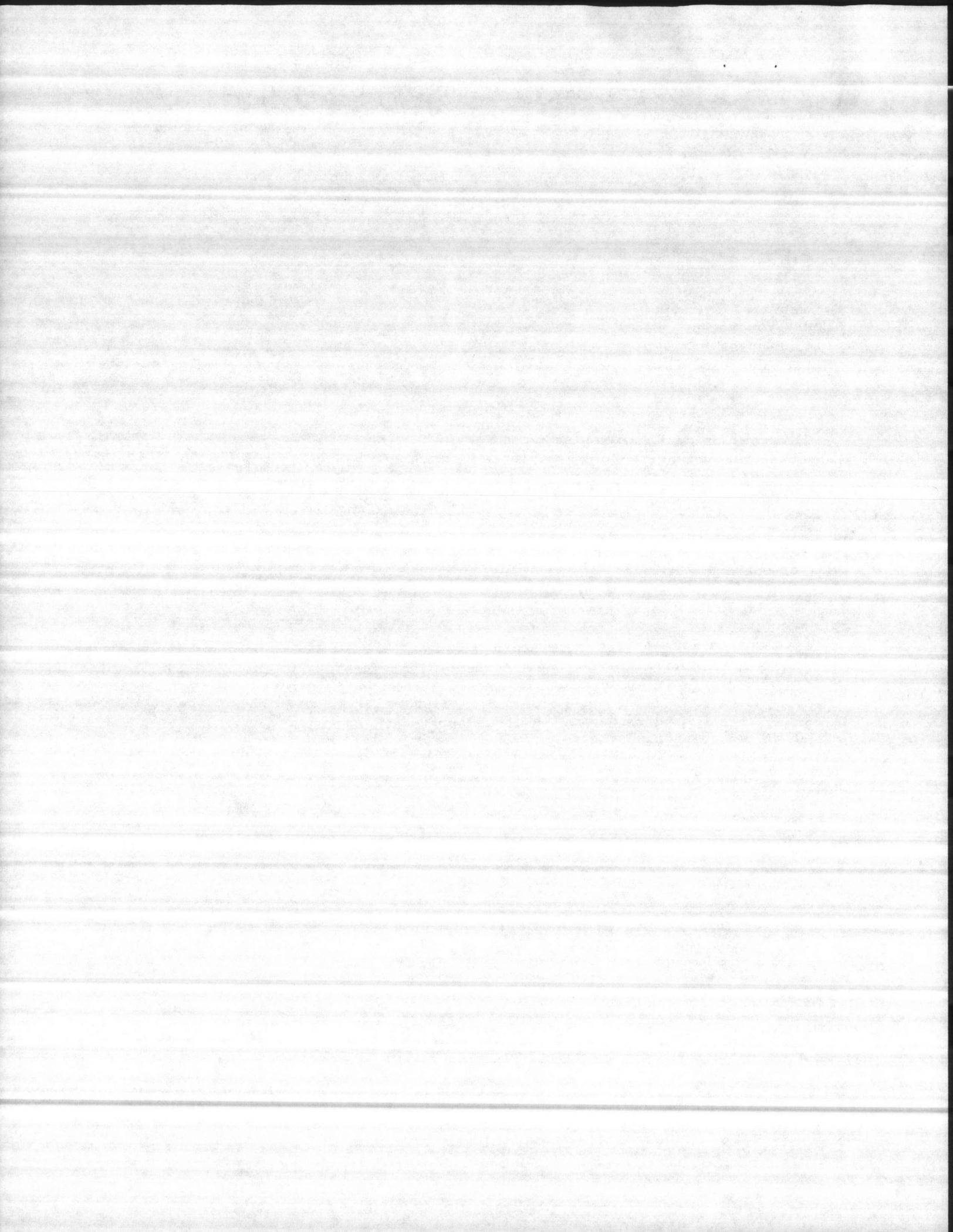
We recommend a line of .30-slot stainless steel screen set at the 84' to 114' level for a total of 30 VF of screen. The gravel pack recommended is 8-12. It is our best estimate that this well may yeild 260 GPM.

Please review the data and advise if we are to proceed with developing a permanent well at this site.

Very truly yours,  
HARRY PEPPER & ASSOCIATES, INC.

  
Phil Reese  
CQC Officer

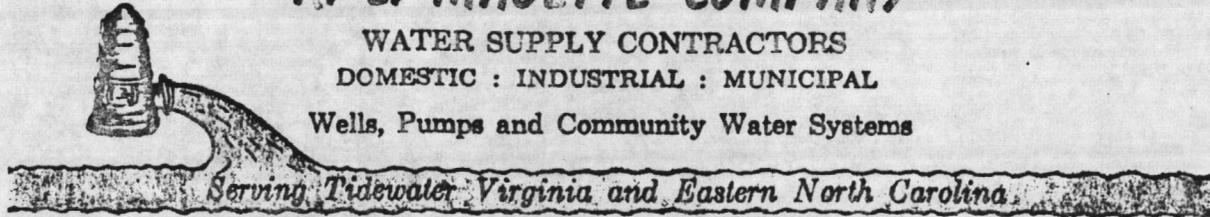
Enclosures



# R. L. MAGETTE COMPANY

WATER SUPPLY CONTRACTORS  
DOMESTIC : INDUSTRIAL : MUNICIPAL

Wells, Pumps and Community Water Systems



P. O. Box 908 Phone - 804 - 357-4105

Smithfield, Virginia 23430

ATLANTIC DIVISION  
LOCAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VIRGINIA 23511

APPROVED  \_\_\_\_\_  
APPROVED AS NOTED \_\_\_\_\_  
DISAPPROVED \_\_\_\_\_

SUBJECT TO THE REQUIREMENTS OF  
CONTRACT NO. N62470-81-C-1644  
APPROVAL OF A SUBMITTAL DOES NOT INCLUDE  
APPROVAL OF ANY DEVIATION FROM THE CON-  
TRACT REQUIREMENTS UNLESS THE CONTRAC-  
TOR CALLS ATTENTION TO AND SUPPORTS THE  
DEVIATION --- THE CONTRACTOR SHALL BE RES-  
PONSIBLE FOR PROVIDING PROPER PHYSICAL  
DIMENSIONS WEIGHTS, COORDINATION OF  
TRADES, ETC., AS REQUIRED.

REVIEWER [Signature] DATE OCT 03 1985

FOR OFFICER IN CHARGE OF CONSTRUCTION

Camp Lejune  
North Carolina  
Well No. 6

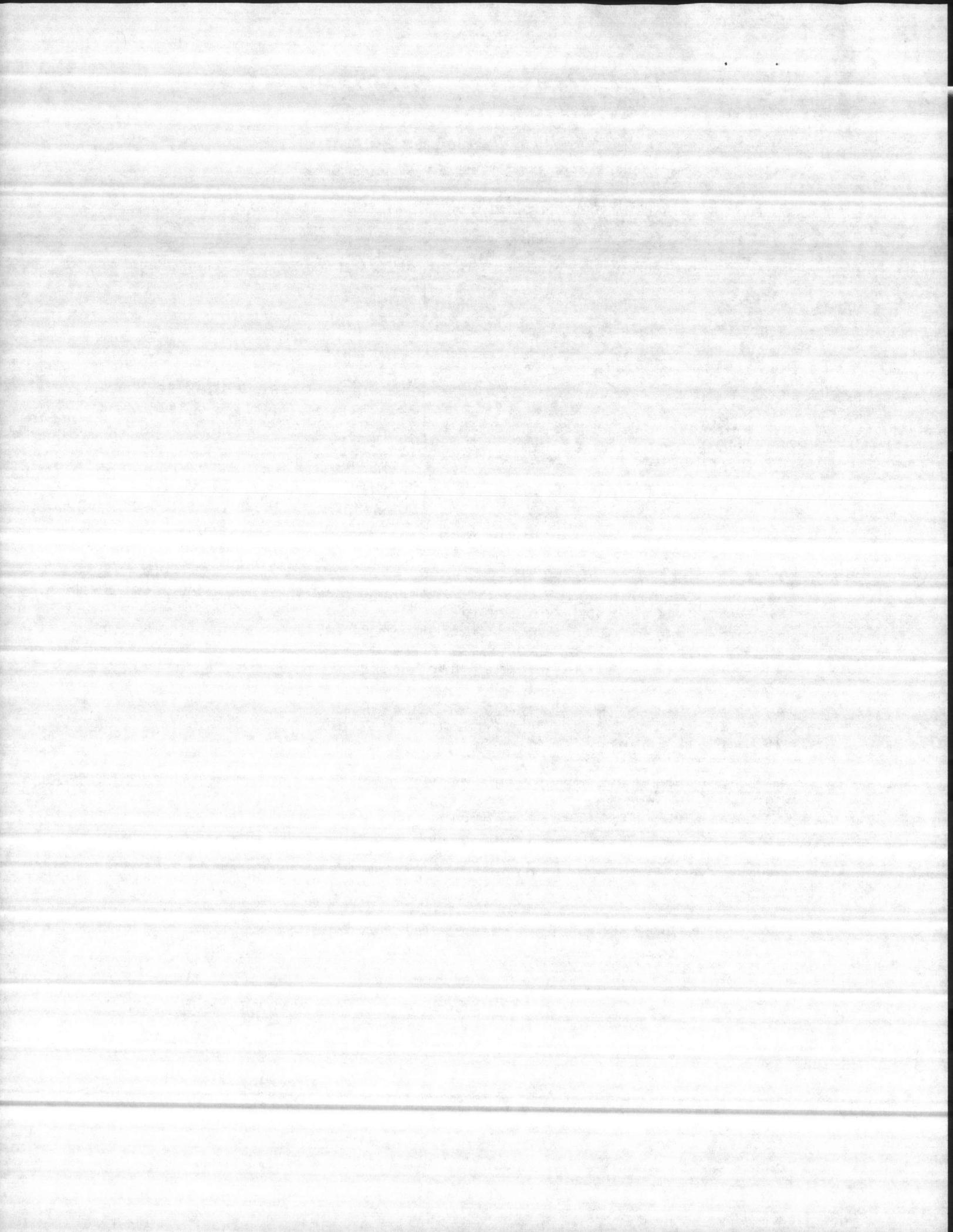
### DRILLERS LOG

- 0 - 5 Brown sand and topsoil
- 5 - 20 Brown sand and blue clay
- 20 - 50 Fine white sand
- 50 - 75 Fine white and gray sand mixed
- 75 - 85 Fine strata sand
- 85 - 110 Coarse strata sand and shells mixed
- 110 - 125 Strata sand mixed with fine sand
- 125 - 165 Fine gray sand
- 165 - 190 Fine gray sand
- 190 - 200 Very fine sand and clay
- 200 - 215 Very fine sand
- 215 - 235 Very fine sand and clay
- 235 - 250 Very find sand and clay

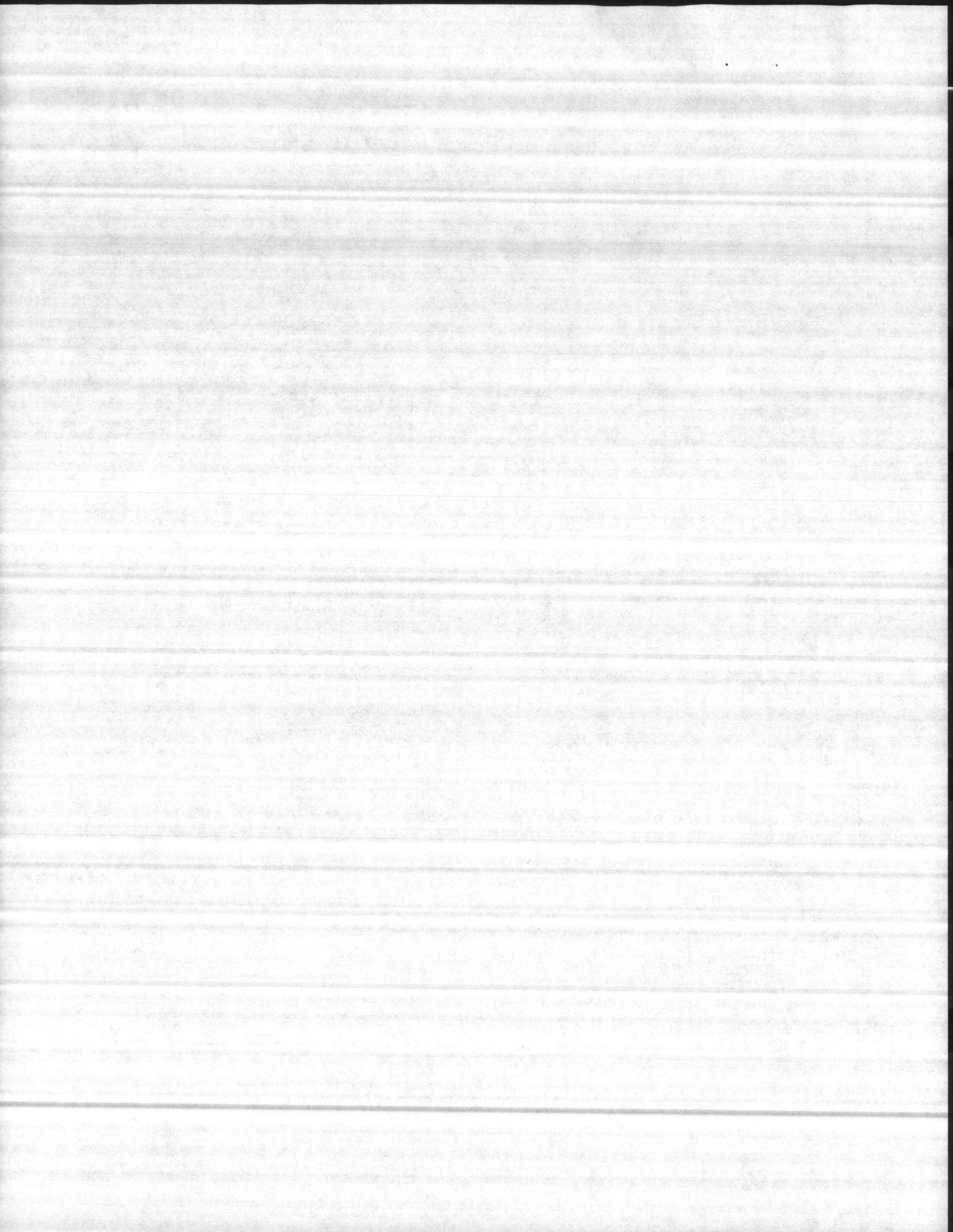
It is hereby certified that the (material) (equipment) shown and marked in this submittal, shop drawings, catalog cut(s), etc., and approved/proposed to be incorporated into Contract Number N62470-81-C-1644 is in compliance with the Contract Drawings and Specifications and can be installed in the allocated space, and is:

- Approved for use.
- Submitted for Government approval.
- Approved for use subject to Government approval of specific deviation.

Authorized Reviewer \_\_\_\_\_ DATE \_\_\_\_\_  
Signature CQC Rep. [Signature] DATE 9-20-85







Hun

**CONTRACTOR'S SUBMITTAL TRANSMITTAL**

LANTDIV NORFOLK 4-4355/3 (Rev. 11-80)

CONTRACT NO 81-C-1644	TRANSMITTAL NO 179	DATE 3-18-86
--------------------------	-----------------------	-----------------

FROM CONTRACTOR  
Harry Pepper & Associates, Inc.

TO  
Henry Von Oesen & Associates, Inc.

PROJECT TITLE AND LOCATION  
Holcomb Blvd Water Treatment Plant  
MCB, Cp Lejeune, North Carolina

**CONTRACTOR USE ONLY**

**REVIEWER USE ONLY**

\*List only one specification division per form.

**\*\*ACTION CODES**

List only one of the following categories on each transmittal form, and indicate which is being submitted

- A-Approved
- D-Disapproved
- AN-Approved as noted
- RA-Receipt acknowledged.
- C-Comments
- R-Resubmit

- Contractor Approved       OICC Approval       Deviation/Substitution For OICC Approval

ITEM NO	PROJ. SPEC. SECT. & PARA. and/or PROJ. DWG. NO.	ITEM IDENTIFICATION (Type, size, model no., Mfg. name, dwg. or brochure number)	NO. OF COPIES	ACTION CODES	REVIEWER'S INITIALS CODE AND DATE
	02734	ROTARY DRILLED WATER WELLS WELL # 6			
1	3.1.6	24 Hour Pump Test	7	A	JRB
2	3.1.6	2 Hour Recovery Test	7	A	JRB

CONTRACTOR'S COMMENTS

3 APR 1986 12 01

COPY OF TRANSMITTAL AND SUBMITTALS TO ROICC

**ONE COPY TO ROICC**

DATE RECEIVED BY REVIEWER: 3/21/86 FROM (Reviewer): Henry von Oesen & Assoc., Inc.

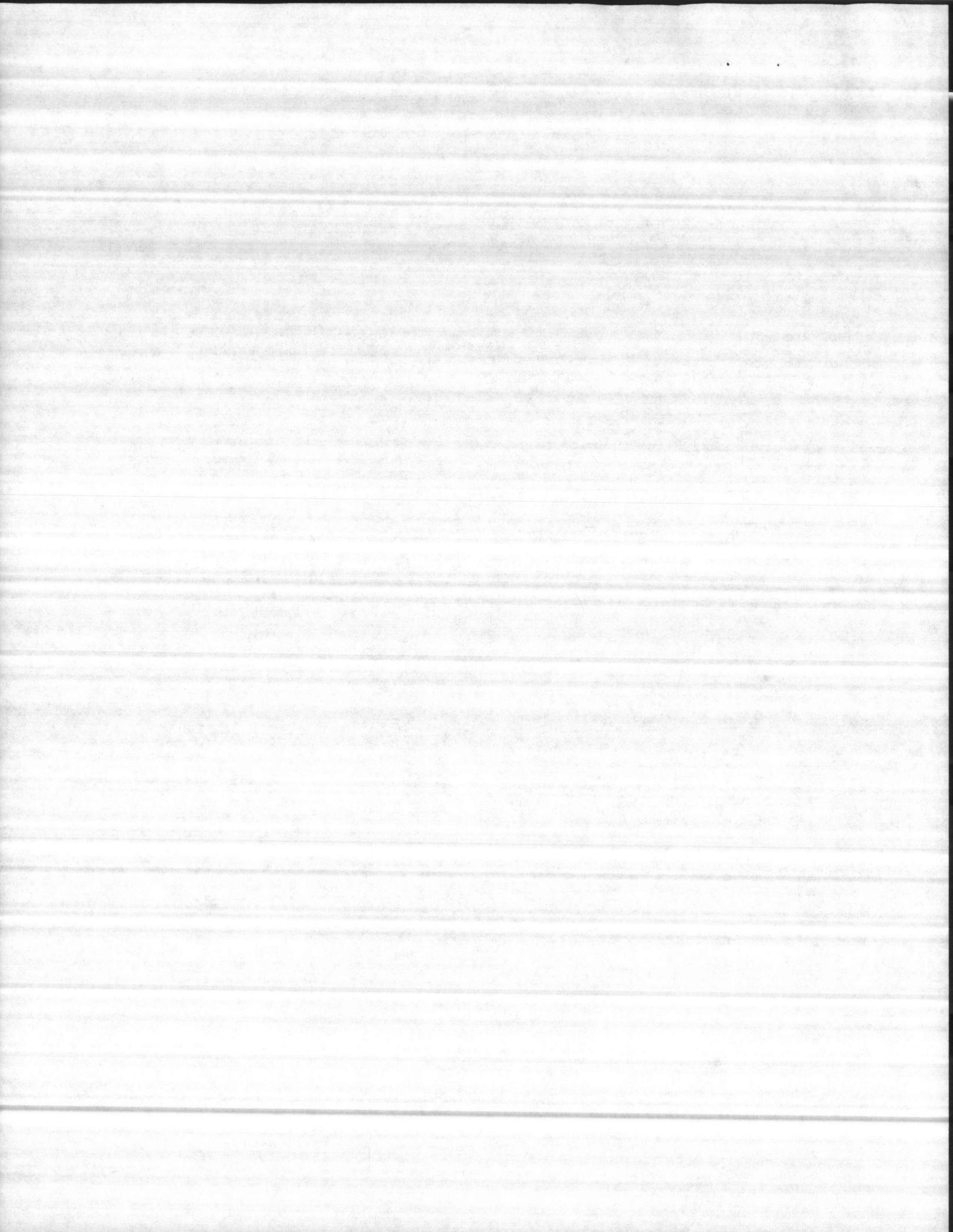
CONTRACTOR REPRESENTATIVE (Signature): Phil Reese TO: \_\_\_\_\_

- Submittals are returned with action indicated. Approval of an item does not include approval of any deviation from the contract requirements unless the contractor calls attention to and supports the deviation.
- Submittals are forwarded to LANTDIV with A-E recommendations indicated in REVIEWER USE ONLY Section and in comments below on **ONE COPY** of the transmittal form.

REVIEWER'S COMMENTS

Contractor's approval appears to be appropriate.

COPIES TO ROICC (2) LANTDIV (1) A-E (1)	DATE 4/2/86	SIGNATURE <u>[Signature]</u>
---	----------------	---------------------------------



24 Hour Pump Test  
Well # 6

3-8-86

Pumping Rate 200 GPM

ITEM # 1

<u>TIME</u>	<u>PUMP SETTING</u>	<u>STATIC</u>
12:00PM	84'	19'4"
	<u>PUMPING LEVEL</u>	<u>DRAWDOWN</u>
12:00PM	49'6"	30'2"
12:01	50'6"	1'
12:02	51'0"	6"
12:03	51'6"	6"
12:04	52'3"	9"
12:05	54'10"	2'7"
12:06	54'5"	-
12:07	54'3"	-
12:08	54'3"	-
12:09	54'3"	-
12:10	54'3"	-
12:15	54'6"	-
12:20	54'6"	3"
12:25	54'8"	-
12:30	54'11"	2"
12:35	55'	3"
12:40	55'7"	1"
12:45	55'7"	7"
12:50	55'7"	-
12:55	56'5"	-
1:00	57'2"	10"
2:00	57'11"	9"
3:00	58'6"	9"
4:00	58'6"	7"
5:00	58'6"	-
6:00	59'3"	-
7:00	58'11"	9"
8:00	58'10"	8"
9:00	59'8"	-
10:00	60'2"	-
11:00	61'4"	6"
12:00AM	61'8"	1'2"
1:00	61'11"	4'
2:00	62'4"	3"
3:00	62'9"	5'
4:00	63'3"	5"
5:00	63'11"	6"
6:00	61'7"	8"
7:00	61'11"	-
8:00	61'10"	4"
9:00	"	-
10:00	"	-
11:00	"	-
12:00PM	"	-

**ATLANTIC DIVISION**  
**NAVAL FACILITIES ENGINEERING COMMAND**  
NORFOLK, VIRGINIA 23511

APPROVED  \_\_\_\_\_  
 APPROVED AS NOTED \_\_\_\_\_  
 DISAPPROVED \_\_\_\_\_

SUBJECT TO THE TERMS AND CONDITIONS OF  
 CONTRACT NO. N62470-81-C-1644  
 APPROVAL OF A SUBMITTAL SHALL INCLUDE  
 APPROVAL OF ANY DEVIATIONS FROM THE CON-  
 TRACT REQUIREMENTS. THE CONTRACTOR  
 CALLS ATTENTION TO THE FACT THAT THE CON-  
 TRACTOR SHALL BE RESPONSIBLE FOR THE  
 DIMENSIONS AND WEIGHTS OF ALL MATERIALS,  
 TRADES, ETC., AS REQUIRED.

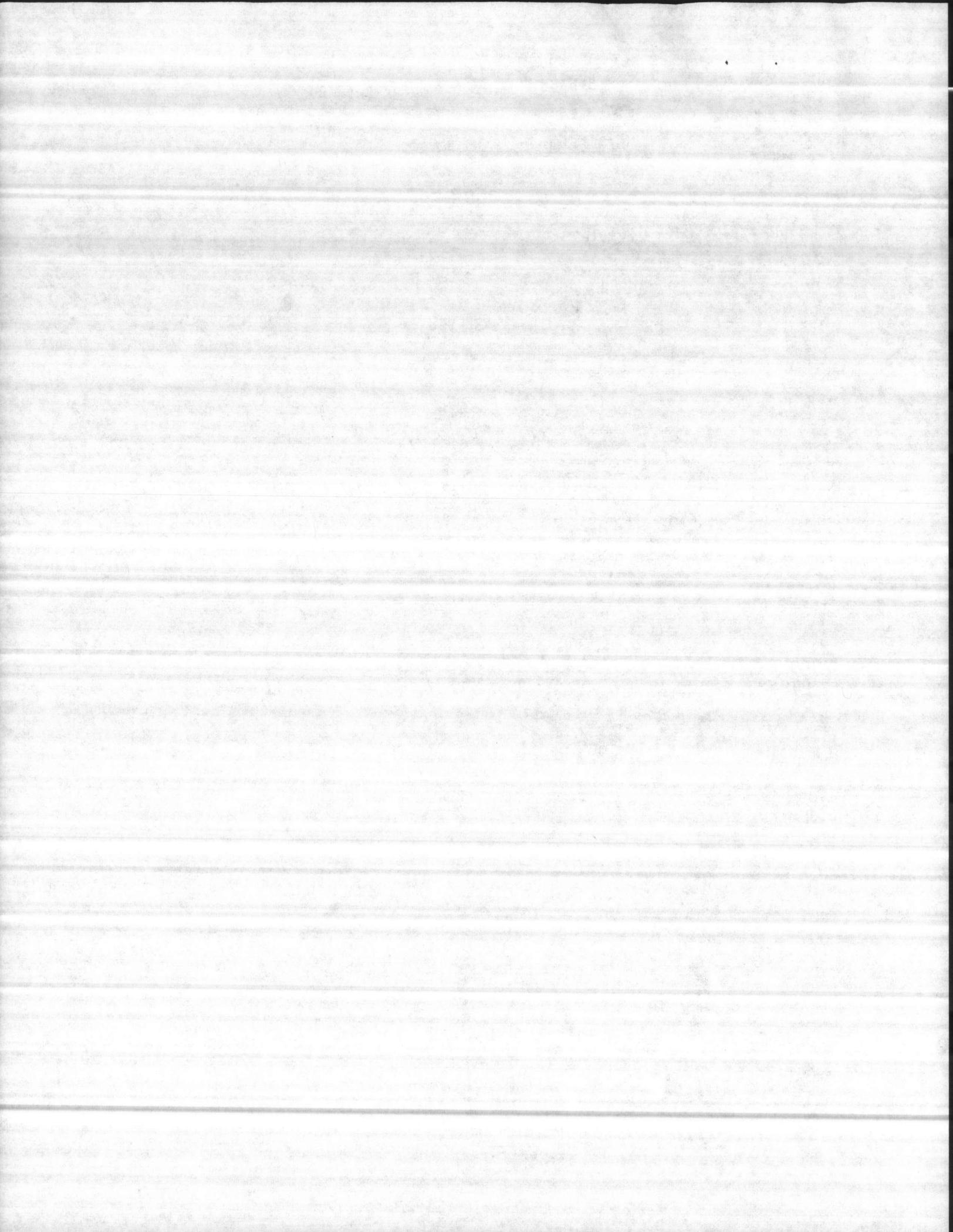
REVIEWED [Signature] DATE APR 02 1986

FOR OFFICER IN CHARGE OF CONSTRUCTION

I hereby certify that the (material) (equipment) shown  
 and in this submittal, shop drawings, catalog cut (s), etc., and  
 approved/proposed to be incorporated into Contract Number  
 N62470-81-C-1644 is in compliance with the Contract Drawings,  
 and Specifications and can be installed in the allocated space,  
 and is:

- \_\_\_\_\_ Approved for use.
- Submitted for Government approval.
- \_\_\_\_\_ Approved for use subject to Government approval of  
 specific deviation.

Authorized Reviewer \_\_\_\_\_ DATE \_\_\_\_\_  
 Signature CQC Rep. [Signature] DATE 3-18-86



Two Hour Recovery  
Well # 6

3-8-86

ITEM # 2

12:00 PM	28'6"
12:01	25'4"
12:02	25'
12:03	25'
12:04	25'
12:05	22'8"
12:06	22'6"
12:07	22'1"
12:08	21'10"
12:09	21'6"
12:10	20'10
12:15	20'8
12:20	20'6"
12:25	19'11"
12:30	19'10"
12:35	19'4"
12:40	"
12:45	"
12:50	"
12:55	"
1:00	"
2:00	"

