

# TRANSMITTED FOR ADP

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Entered By \_\_\_\_\_  
Date \_\_\_\_\_

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

Well No. K456  
E-Log No. 171  
County HANCOCK  
Agency \_\_\_\_\_

## WELL RECORD

Bay St. Louis Quad

Agency Code <u>U S G S</u>	Site Id <u>1310118131810181912114101011</u>	Project No. <u>5111111111</u>
Station Name <u>12 K145161 BAY ST LUIS I L L O W I S I</u>		Latitude <u>931011813181</u>
		Longitude <u>1040181912114101</u>

Lat/Long Ac. <u>11 S F T M</u>	Dist <u>6=28</u>	State <u>7=28</u>	County <u>8=01451</u>	Land Net <u>13 11 R N I E L S I 3 I 5 T T O 1 8 I S I R I 1 1 4 W</u>
Location Map <u>14 BAY ST LUIS I L L O W I S I</u>	Altitude <u>16 1116</u>	Met/Meas <u>17 A L M</u>	Accuracy <u>18 1131</u>	Hydrologic Unit <u>20 01311710101091</u>

Agency Use <u>803 A I 6</u>	Date Inventoried <u>71140161 / 1014 / 11918171</u>	Station Type <u>Y</u>	Data Type <u>804</u>
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Instru. <u>805</u>	Remarks <u>806</u>	Relia. <u>3 C L M U</u>	<u>2=W</u>
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Date of Construction <u>21 07 / 1031 / 11918171</u>	Well Use <sup>MU</sup> <u>23 W</u>	Water Use <u>24 P</u>	Primary Aquifer <u>714 12 H G R M F I</u>	PCC/LU <u>27 111214</u>	Hole Depth <u>27 111214</u>
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Well Depth <u>28 111201</u>	Water Level <u>30</u>	Water Level Date <u>31 / /</u>	Method <u>34</u>	Status <u>37 F I</u>	Source <u>33</u>
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### CONSTRUCTION DATA

R=58	T=A	723#1	Construction Date <u>60 07 / 1031 / 11918171</u>	Contractor <u>63 01614</u>	Name <u>LAYNE</u>	Method <u>65 R I</u>	Finish <u>66 01</u>
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### CONSTRUCTION CASING DATA

R=76	T=A	725#1	59#1	Top/Casing <u>77 11101</u>	Bot/Casing <u>78 1104151</u>	Diameter <u>79 11161</u>
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R=76	T=A	725#2	59#1	Top/Casing <u>77 1916151</u>	Bot/Casing <u>78 11015101</u>	Diameter <u>79 1101</u>
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### CONSTRUCTION OPENINGS DATA

R=82	T=A	726#2	59#1	Top/Depth <u>83 11015101</u>	Bot/Depth <u>84 111201</u>	Diameter <u>87 11101</u>	Type <u>85 S I</u>	Length <u>89</u>	Width <u>88</u>
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R=82	T=A	726#2	59#1	Top/Depth <u>83</u>	Bot/Depth <u>84</u>	Diameter <u>87</u>	Type <u>85</u>	Length <u>89</u>	Width <u>88</u>
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### CONSTRUCTION LIFT DATA

R=42	T=A	254#1	Lift Type <u>43 T</u>	Date <u>38 07 / 1031 / 11918171</u>	Intake <u>44</u>
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Power <u>45 E</u>	H.P. <u>46 16101</u>	Serial No. <u>49</u>
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### MISCELLANEOUS OWNER DATA

R=158	T=A	718#1	Date of Ownership <u>159 07 / 1031 / 11918171</u>	Owner Name <u>161 BAY ST LUIS I L L O W I S I</u>
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### MISCELLANEOUS OTHER ID DATA

R=189	T=A	736#1	E-Log No. <u>190 11711</u>	Assigner <u>191 M I S S I D I S T</u>
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MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement 1934 03 / 10 21 / 11 19 1901 *	Aquifer Sampled 1954 12 11 6 R M F 1 *	Par. Code 196#00010	Value 197# 281 5
R=192	T=A	738#2	Date of Measurement 1934 / / / / / / / / *	Aquifer Sampled 1954 / / / / / / / / *	Par. Code 196#00095	Value 197# / / / / / *
R=192	T=A	738#3	Date of Measurement 1934 03 / 10 21 / 11 19 1901 *	Aquifer Sampled 1954 12 11 6 R M F 1 *	Par. Code 196#00400	Value 197# 81 21

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 199# D *	Beg. Depth 200# / / 101 # *	End Depth 201# / / / 124 # *
R=198	T=A	739#1	Log Type 199# E *	Beg. Depth 200# / 144 # *	End Depth 201# / / / 124 # *

MISCELLANEOUS NETWORK DATA

R=114	T=A	730#1	Network Type 706# / *	Beg. Year 115# 4 9 / / *	End Year 116# 4 9 / / *
R=121	T=A	730#1	Analysis 120# / *	Agency Source 117# / / / / *	Freq. 118# / / *

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 184# / / / / / / / / *	Remarks 185# _____ *
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DISCHARGE DATA

R=146	T=A	147#1	148# 01 71 / 10 31 / 11 19 18 71 *	703# P F	150# / / d d d / / *	272# / / / / / *
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 91# 19 4 101 # *	Depth Bot. 92# / / / / 171 # *	Unit Id 93# 12 11 6 R M F 1 *
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 100# / / / / / / / / *	103# / / *
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Well #5 10<sup>th</sup> St.

Color = 30  
pH = 8.2

description of formations encountered	from	to
Sand	0	3
Clay	3	9
Sand	9	30
Clay Sandy	30	58
Clay	58	70
Sand	70	144
Clay	144	210
Sand & Clay	210	266
Sand Clay	266	418
Sand clay	418	479
Clay	479	562
Sand Shale	562	660
Clay Sandy	660	723
Clay Hard	723	884
Sand	884	898
Clay	898	940
Sand Clay	940	1011
Sandy Clay	1011	1048
Sand	1048	1117
Clay	1117	1124

Hancock  
K 456

MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES  
Bureau of Land and Water Resources  
Southport Mall  
P.O. Box 10631  
Jackson, Mississippi 39209  
WATER WELL DRILLERS LOG

07/03 1987 date well completed  
Layne Central Co. firm name  
Hancock county well located

LANDOWNER: City of	description of formations encountered	from	to
Bay St. Louis, MS. Bay St. Louis, Miss. (mailing address)			
	Sand	0	3
	Clay	3	9
	Sand	9	30
WELL LOCATION: 1002 ST. WEST sec. 35 T. 8 N. R. 14 E. (S) (W)	Clay Sandy	30	58
	Clay	58	70
	Sand	70	144
	Clay	144	210
	Sand & Clay	210	266
WELL PURPOSE: Municipal (home, irrigation, municipal, industrial)	Sand Clay	266	418
	Sand clay	418	479
WELL COMPLETION DATA:	Clay	479	562
(1) diameter (inches) 16"	Sand Shale	562	660
(2) total depth (feet) 1125'	Clay Sandy	660	723
(3) static water level (feet) Flow below top of ground.	Clay Sand	723	884
(4) casing (material) Steel (depth) 1045'	Sand	884	898
16" if telescope see back. (size) 83'6" or 10"	Clay	898	940
(5) screen (length) 20'10" (depth to top) 1045'	Sandy Clay	940	1011
10" (size) Stainless Steel (material)	Sandy Clay	1011	1048
(6) pump 60 (HP) 1000 (yield gpm)	Sand	1048	1117
Electrical (type power)	Clay	1117	1124
(7) electric log YES (yes or no) Layne-Central Co (organization running log)			
(8) how well bottom plugged B.P.V.			
DRILLERS REMARKS: Permit No: GW 7347			

**APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW  
FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI**

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES  
P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202

This box is for office use only.

3-10-98 AGN.

Office of Land & Water Resources  
FORM OLWR-AP-2 (REV. 9/94)

Issued: <u>5-10-88</u>	Expires: <u>3-10-2008</u>	Fee Paid: <u>X 40.00</u>	Permit No.
Lat. <u>30-18-40</u>	Long. <u>89-22-08</u>	Elev. <u>12</u>	USGS No. <u>K 456</u>
Quad. <u>BAY ST. LOUIS</u>	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: <u>PCGLW</u>	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): RENEWAL PERMIT NO. 007347

THIS APPLICATION IS FOR (Circle one): GROUNDWATER COMPLETE A,B,E 100R ST. WELL  
SURFACE WATER - COMPLETE A,C,D,E 10th?

BENEFICIAL USE (Circle one or more): (1) Public Supply Municipal, Rural Water, or Private Water 2) Irrigation  
3) Industrial 4) Fish Culture 5) Recreation 6) Institutional (eg. Church, School) 7) Commercial (eg. Hotel, Casino, Restaurant) 8) Fire Protection 9) Livestock 10) Flood Protection 11) Other: \_\_\_\_\_

**SECTION A** (to be completed by ALL APPLICANTS)

LANDOWNER: CITY OF BAY ST. LOUIS 64-6000139  
(Name) (SSN or Tax ID No.)

P.O. BOX 2550  
(Address)

BAY ST. LOUIS, MS 39521 ( 228 ) 467-2724  
(City) (State & Zip) (Telephone No.)

APPLICANT, AGENT, OR LESSEE (if different from Landowner):

SAME AS ABOVE  
(Name) (SSN or Tax ID No.)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(City) (State & Zip) (Telephone)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):  
NE 1/4 of the SW 1/4 of Section 35, Township 8 S, Range 13 W, County HANCOCK

Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one)? YES NO If yes, describe the nature and amount of any additional supply and, if applicable, list permit number. \_\_\_\_\_

**SECTION B** (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: UPPER PASCAGOULA MISSISSIPPI DEPARTMENT OF HEALTH NO.: \_\_\_\_\_

2. Proposed work will begin on \_\_\_\_\_, 19\_\_\_\_, and will be completed by \_\_\_\_\_, 19\_\_\_\_  
If well has already been drilled, when was well completed (date)? 7-3, 19 87. Under whose name was well originally drilled (if known)? CITY OF BAY ST. LOUIS

3. Description of proposed or completed well:  
(a) DEPTH OF WELL: 1070 1125 feet. DRILLER: LAYNE GRINER DRILLING SERVICE  
(b) SURFACE CASING: Length 1000 1045 feet; Diameter 16 inches; Type WELDED STEEL  
(c) SCREEN: Length 70 feet; Diameter 10 inches; Type S.S. ROD BASE  
(d) PUMP: Type TURBINE; Size 12"; Capacity 1000 gallons per minute; Setting depth 80 feet  
(e) POWER UNIT: Type US MOTORS 440 V 3 PH; Size 75 horsepower

4. PERMITTED VOLUME :  
(a) \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute  
(b) 0.46 million gallons per day at a maximum rate of 1000 gallons per minute  
0.46 BB (CONTINUED ON BACK)  
1-27-98

NO MAP

**SECTION C** (to be completed for **SURFACE WATER SOURCE**)

- Source of water is from \_\_\_\_\_ which drains into \_\_\_\_\_  
which drains into \_\_\_\_\_  
(major stream or river)
- Description of pump/diversion works:  
Pump (size & type): \_\_\_\_\_ Power Unit (size & type): \_\_\_\_\_  
Lift: \_\_\_\_\_ feet Maximum capacity: \_\_\_\_\_ gallons per minute
- \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute

**SECTION D** (to be completed for **SURFACE WATER IMPOUNDMENTS (DAMS)** on continuously flowing streams)

- Name of storage reservoir: \_\_\_\_\_ Dam Height: \_\_\_\_\_ feet
- Surface area at normal pool: \_\_\_\_\_ Storage capacity at normal pool: \_\_\_\_\_ acre-feet

**SECTION E WATER USE DATA (ALL APPLICATIONS - complete section related to beneficial use)**

- IRRIGATION:** List the number of acres of each crop to be irrigated: Rice \_\_\_\_\_; Cotton \_\_\_\_\_; Oats \_\_\_\_\_; Corn \_\_\_\_\_; Soybeans \_\_\_\_\_; Pasture \_\_\_\_\_; Truck \_\_\_\_\_; Wheat \_\_\_\_\_; Grain Sorgum \_\_\_\_\_; Other (specify) \_\_\_\_\_ Acres  
 A. Method of Irrigation (circle one) - Center Pivot Flood Furrow  
 B. Land Condition (circle one) - Precision Land Formed Smoothed  
 C. ASCS Farm No. \_\_\_\_\_ Tract No. \_\_\_\_\_
- FISH CULTURE:** Explain how water will be used: \_\_\_\_\_  
How often will reservoir (s) be emptied and refilled? \_\_\_\_\_
- MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM**  
 Chose "a" or "b". (a) The number of people served is 9000 ± or (b) The number of connections is 2958  
 What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty (20) years? 1.19 MGD 1997; 1.4 MGD 2002; 1.7 MGD 2007; 2.0 MGD 2012  
 (Volume) (Year) (Volume) (Year) (Volume) (Year) (Volume) (Year)
- INDUSTRIAL:** If the water is to be released into a watercourse, indicate the amount released each year \_\_\_\_\_  
 Rate of release \_\_\_\_\_; NPDES Permit No. \_\_\_\_\_  
 Explain any changes in quality of water to be released: \_\_\_\_\_  
 Explain how water will be used: \_\_\_\_\_  
 How much groundwater will be used for once-through non-contact cooling? \_\_\_\_\_
- RECREATION:** Explain how water will be used: \_\_\_\_\_
- OTHER USE:** Explain in detail (if needed, attach another page): \_\_\_\_\_
- REMARKS:** \_\_\_\_\_

List below the person to be contacted for additional information if required.

WOODY STIEFFEL  
 (Name)  
P.O. BOX 2550  
 (Address)  
BAY ST. LOUIS, MS 39521  
 (City, State, Zip)  
228-467-8527  
 (Telephone)

The accompanying map is hereby declared a part of this application. For irrigation and fish culture use, an ASCS photograph is required. The TEN DOLLAR (\$10.00) permit fee is enclosed herewith.

Ronald J. Vanner Jr.  
 (Signature)

Subscribed and sworn to before me this 9th day of Dec., 1997, at Bay St. Louis County of Hancock  
 My commission expires 4/3/2000; Janet B. Anie Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Stewart/Everett DATE: 10/12/95

UNIT DEQ #: \_\_\_\_\_ FILE #: A101215A

HEALTH DEPT. #: 230001-05 ELEV. 17'

USGS #: K456 OLWR #: GW07347

OWNER: Bay St Louis QUAD: Bay St. Louis

LOCATION: NE 1/4, S 35 T 85 R 14W COUNTY: Hancock

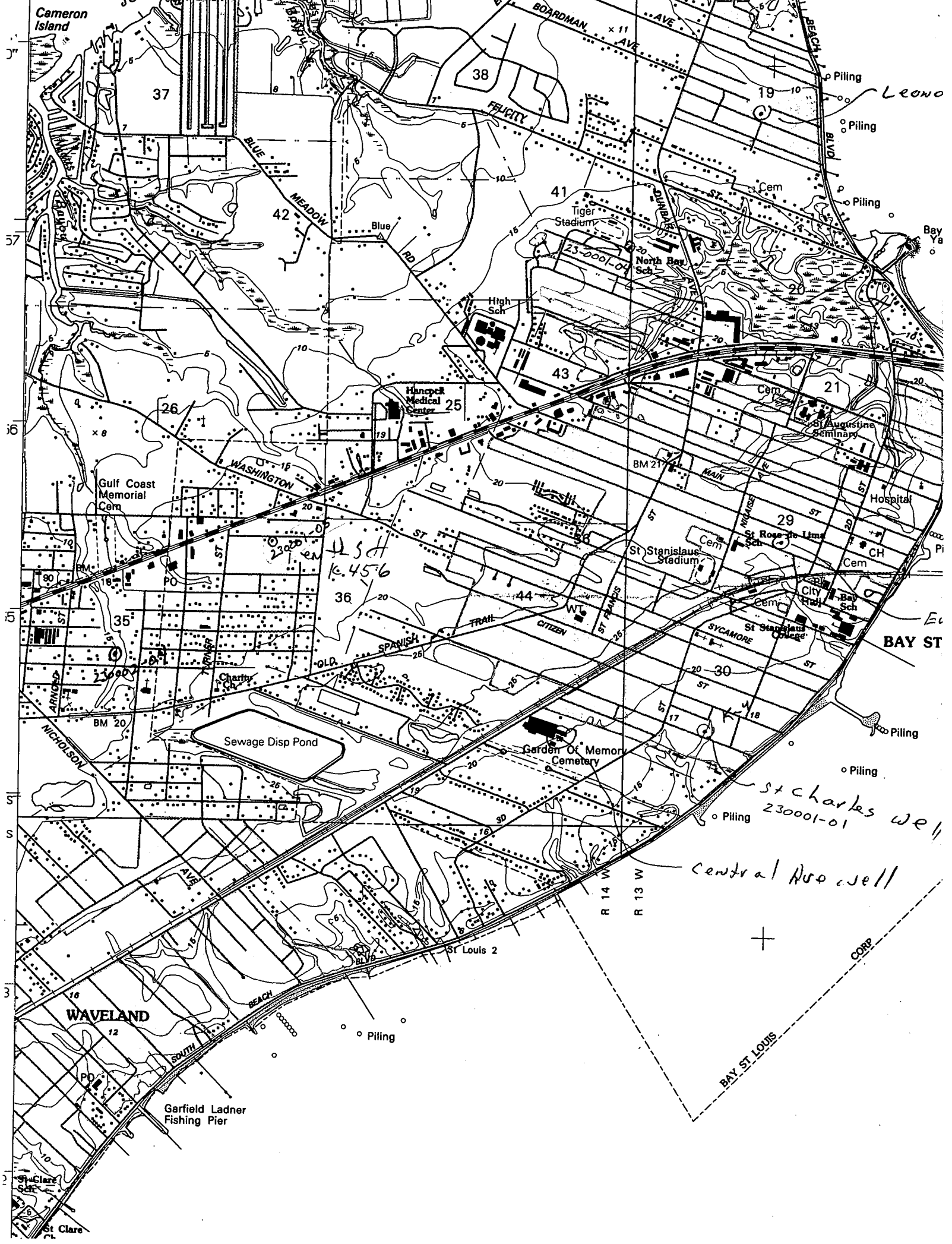
LOCATION DESCRIPTION: 10<sup>th</sup> Street

CASING DIA: \_\_\_\_\_ PUMP TYPE & SIZE: Turbine - 60 HP

GPS FIELD LOCATION: LAT. 30° 18.614' LONG. 89° 21.725'

GPS CORRECTED LOCATION: LAT. 30.31052675 LONG. 89.36158182

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



7  
57  
16  
15  
5  
3  
2

Cameron Island

37

38

19

42

41

26

25

43

21

Gulf Coast Memorial Cem

35

36

44

29

5

5

3

2

BOARDMAN AVE

FELICITY

BLUE MEADOW RD

WASHINGTON

SPANISH

CITIZEN

SYCAMORE

WAVELAND

BAY ST

Garfield Ladner Fishing Pier

LEONO

Piling

Piling

Piling

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St Louis 2

St Charles well  
23001-01

Central Ave well

BAY ST LOUIS  
CORP

R 14 W

R 13 W

St Clare

Bay Ya

Ec

St Clare