

ST. TAMMANY PARISH COUNCIL

RESOLUTION

RESOLUTION COUNCIL SERIES NO: C-4190

COUNCIL SPONSOR: FALCONER/BRISTER PROVIDED BY: LEGAL/ENVIRONMENTAL SERVICES

RESOLUTION TO ACKNOWLEDGE THE RECEIPT AND REVIEW OF THE 2014 MUNICIPAL WATER POLLUTION PREVENTION ENVIRONMENTAL AUDIT REPORT FOR THE HIGHWAY 22 WASTEWATER TREATMENT FACILITY.

WHEREAS, St. Tammany Parish Government owns and operates the Hwy 22 Wastewater Treatment Facility; and

WHEREAS, the Louisiana Pollutant Discharge Elimination System (LPDES) permit, which authorizes effluent discharge from the Highway 22 Wastewater Treatment Facility, mandates the Parish institute a program directed toward pollution prevention in order to improve operating efficiency and extend the useful life of the treatment facility; and

WHEREAS, pursuant to Part II, Section C of LPDES permit LA0117676, the Parish must complete an annual Environmental Audit Report for the life of the permit, and a copy of the Environmental Audit Report is attached hereto.

THE PARISH OF ST. TAMMANY HEREBY RESOLVES that the St. Tammany Parish Government acknowledges the receipt of the 2014 Municipal Water Pollution Prevention Environmental Audit Report for the Highway 22 Wastewater Treatment Facility and its finding that no further action is necessary at this time.

THIS RESOLUTION HAVING BEEN SUBMITTED TO A VOTE, THE VOTE THEREON WAS AS FOLLOWS:

MOVED FOR ADOPTION BY: \_\_\_\_\_ SECONDED BY: \_\_\_\_\_

YEAS: \_\_\_\_\_

NAYS: \_\_\_\_\_

ABSTAIN: \_\_\_\_\_

ABSENT: \_\_\_\_\_

THIS RESOLUTION WAS DECLARED ADOPTED ON THE 2 DAY OF OCTOBER, 2014, AT A REGULAR MEETING OF THE PARISH COUNCIL, A QUORUM OF THE MEMBERS BEING PRESENT AND VOTING.

\_\_\_\_\_  
R. REID FALCONER, AIA, COUNCIL CHAIRMAN

ATTEST:

\_\_\_\_\_  
THERESA L. FORD, COUNCIL CLERK

### **Resolution Administrative Comment**

RESOLUTION TO ACKNOWLEDGE THE RECEIPT AND REVIEW OF THE 2014 MUNICIPAL WATER POLLUTION PREVENTION ENVIRONMENTAL AUDIT REPORT FOR THE HIGHWAY 22 WASTEWATER TREATMENT FACILITY.

Pursuant to the permit authorizing effluent discharge, this Resolution is required to acknowledge the Environmental Audit and identify any compliance actions to be taken. No actions are necessary at this time pursuant to said 2014 Audit.

**LOUISIANA**  
 MUNICIPAL WATER  
 POLLUTION PREVENTION  
 MWPP



<b>Facility Name:</b>	Highway 22 Sewage Treatment Facility
<b>LPDES Permit Number:</b>	LA0117676
<b>Agency Interest (AI) Number:</b>	43293
<b>Address:</b>	P. O. Box 628 Covington, LA 70434
	Highway 22 Regional Sewer Treatment Location: South side of Hwy 22, 1 mile East of Tchefuncte River, Madisonville, LA
<b>Parish:</b>	St. Tammany
<b>(Person Completing Form) Name:</b>	Greg Gorden
<b>Title:</b>	Department of Environmental Services Director
<b>Date Completed:</b>	June 2013 - May 2014

# INSTRUCTIONS

1. Complete only the sections of the Environmental Audit which apply to your wastewater treatment system. Leave sections that do not apply blank and enter a "0" for the point value.
2. Parts 1 through 7 contain questions for which points may be generated. These points are intended to communicate to the department and the governing body or owner what actions will be necessary to prevent effluent violations. Place the point totals from parts 1 through 7 on the Point Calculation page.
3. Add up the point totals.
4. Submit the Environmental Audit to the governing body or owner for review and approval.
5. The governing body must pass a resolution which contains the following items:
  - a. The resolution or letter must acknowledge the governing body or owner has reviewed the Environmental Audit.
  - b. This resolution must indicate specific actions, if any, will be taken to maintain compliance and prevent effluent violations. Proposed actions should address the parts where maximum or close to maximum points were generated in the Environmental Audit.
  - c. The resolution should provide any other information the governing body deems appropriate.

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**PART 1: INFLUENT FLOW/LOADINGS (all plants)**

**A.** List the average monthly volumetric flows and BOD loadings received at your facility during the last reporting year.

Column 1 Average Monthly Flow (million gallons per day, MGD)	x	Column 2 Average Monthly BOD5 Concentration (mg/l)	x 8.34 =	Column 3 Average Monthly BOD5 Loading (pounds per day, lb/day)
0.234	x	106	x 8.34 =	207
0.225	x	106	x 8.34 =	199
0.226	x	106	x 8.34 =	200
0.21	x	106	x 8.34 =	186
0.209	x	106	x 8.34 =	185
0.213	x	106	x 8.34 =	188
0.193	x	106	x 8.34 =	171
0.227	x	106	x 8.34 =	201
0.213	x	106	x 8.34 =	188
0.194	x	106	x 8.34 =	172
0.201	x	106	x 8.34 =	178
0.219	x	106	x 8.34 =	194

\* Please note influent value is one time sample taken for LPDES permit renewal data August 2010.  
 BOD loading = Average Monthly Flow (in MGD) x Average Monthly BOD concentration (in mg/l) x 8.34

**B.** List the design flow and design BOD loading for your facility in the blanks below. If you are not aware of these design quantities, refer to your Operation and Maintenance (O&M) Manual or contact your consulting engineer.

Design Flow, MGD:	<span style="border: 1px solid black; padding: 2px;">0.500 MGD</span>	x 0.90 =	<span style="border: 1px solid black; padding: 2px;">0.45</span>
Design BOD, lb/day:	<span style="border: 1px solid black; padding: 2px;">1000</span>	x 0.90 =	<span style="border: 1px solid black; padding: 2px;">900</span>

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- C.** How many months did the monthly flow (Column 1) to the wastewater treatment facility (WWTF) exceed 90% of design flow? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	0	0	0	0	5	5	5	5	5	5	5	5

Write 0 or 5 in the C point total box 0 C Point Total

- D.** How many months did the monthly flow (Column 1) to the WWTF exceed the design flow? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	5	5	10	10	15	15	15	15	15	15	15	15

Write 0, 5, 10 or 15 in the D point total box 0 D Point Total

- E.** How many months did the monthly BOD loading (Column 3) to the WWTF exceed 90% of the design loading? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	0	5	5	5	10	10	10	10	10	10	10	10

Write 0, 5, or 10 in the E point total box 0 E Point Total

- F.** How many months did the monthly BOD loading (Column 3) to the WWTF exceed the design loading? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	10	20	30	40	50	50	50	50	50	50	50	50

Write 0, 10, 20, 30, 40 or 50 in the F point total box 0 F Point Total

- G.** Add together each point total for C through F and place this sum in the box below at the right.

**TOTAL POINT VALUE FOR PART 1:** 0 (max = 80)

Also enter this value or 80, whichever is less, on the point calculation table on page 16.

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**PART 2: EFFLUENT QUALITY / PLANT PERFORMANCE**

**A.** List the monthly average effluent BOD and TSS concentrations produced by your facility during the last reporting year.

Month	Column 1 Average Monthly BOD (mg/l)	Column 2 Average Monthly TSS (mg/l)
June 2013	3	4
July 2013	3	4
August 2013	2	1
September 2013	2	2
October 2013	2	1
November 2013	4	1
December 2013	2	1
January 2014	2	1
February 2014	2	2
March 2014	3	1
April 2014	2	1
May 2014	2	2

**B.** List the monthly average permit limits for your facility in the blanks below.

	Permit Limit		90% of Permit Limit
<i>BOD, mg/l</i>	10	x 0.90 =	9
<i>TSS, mg/l</i>	15	x 0.90 =	13.5

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**C. Continuous Discharge to Surface Water.**

- i.** How many months did the effluent BOD (Column 1) exceed 90% of the permit limits? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	0	10	20	30	40	40	40	40	40	40	40	40

Write 0, 10, 20, 30 or 40 in the i point total box 0 i Point Total

- ii.** How many months did the effluent BOD (Column 1) exceed permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	5	5	10	10	10	10	10	10	10	10	10	10

Write 0, 5, or 10 in the ii point total box 0 ii Point Total

- iii.** How many months did the effluent TSS (Column 2) exceed 90% of the permit limits? Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	0	10	20	30	40	40	40	40	40	40	40	40

Write 0, 10, 20, 30 or 40 in the iii point total box 0 iii Point Total

- iv.** How many months did the effluent TSS (Column 2) exceed permit limits? Circle the number of months and corresponding point total. Write the point total in the box below at the right.

<i>months</i>	0	1	2	3	4	5	6	7	8	9	10	11	12
<i>points</i>	0	5	5	10	10	10	10	10	10	10	10	10	10

Write 0, 5, or 10 in the iv point total box 0 iv Point Total

- v.** Add together each point total for i through iv and place this sum in the box below at the right.

**TOTAL POINT VALUE FOR PART 2:** 0 (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.



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**D. Other Monitoring and Limitations**

- i.** At any time in the past year was there an exceedance of a permit limit for other pollutants such as: ammonia-nitrogen, phosphorus, pH, total residual chlorine, or fecal coliform?

√ Check one box.

Yes

No

*If Yes, Please describe:*

- ii.** At any time in the past year was there a "failure" of a Biomonitoring (Whole Effluent Toxicity) test of the effluent?

√ Check one box.

Yes

No

*If Yes, Please describe:*

This facility does not require Biomonitoring as per the LPDES permit.

- iii.** At any time in the past year was there an exceedance of a permit limit for a toxic substance?

√ Check one box.

Yes

No

*If Yes, Please describe:*

N/A

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**PART 3: AGE OF THE WASTEWATER TREATMENT FACILITY**

**A.** What year was the wastewater treatment facility constructed or last major expansion/improvements completed? 1997 Original Construction  
2005 Expansion / Upgrade

$$\begin{array}{rcccl} \text{Current Year} & - & \text{Answer to A} & = & \text{Age in years} \\ \hline 2014 & & 1997 \ \& \ 2005 & 17 \ \& \ 9 \end{array}$$

Enter Age in Part C below.

**B.** ✓ Check the type of treatment facility that is employed.

		<b>FACTOR:</b>
<u>X</u>	Mechanical Treatment Plant (trickling filter, activated sludge, etc...) Specify Type: <u>Return activated sludge</u>	2.5
_____	Aerated Lagoon	2.0
_____	Stabilization Pond	1.5
_____	Other Specify Type: _____	1.0

**C.** Multiply the factor listed next to the type of facility your community employs by the age of your facility to determine the total point value for Part 3.

**TOTAL POINT VALUE FOR PART 3 =**

$$\frac{2.5}{\text{Factor}} \times \frac{17 \ \& \ 9}{\text{Age}} = \boxed{33} \text{ (max = 50)}$$

Also enter this value or 50, whichever is less, on the point calculation table on page 16.

**D.** Please attach a schematic of the treatment plant.

SEE ATTACHED DIAGRAM.



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**PART 5: SLUDGE STORAGE AND DISPOSAL SITES**

**A. Sludge Storage**

How many months of sludge storage capacity does your facility have available, either on-site or off-site?

Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

<i>months</i>	<2	2	3	4-5	>6
<i>points</i>	50	30	20	10	0

Write 0, 10, 20, 30 or 40 in the A point total box 20 A Point Total

**B. For how many months does your facility have access to (and approval for) sufficient land disposal sites to provide proper land disposal?**

Circle the number of months and the corresponding point total. Write the point total in the box below at the right.

<i>months</i>	<2	6-11	12-23	24-35	>36
<i>points</i>	50	30	20	10	0

Write 0, 10, 20, 30 or 40 in the B point total box 20 B Point Total

**C. Add together the A and B point values and place the sum in the box below at the right:**

**TOTAL POINT VALUE FOR PART 5:** 40 (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.



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**PART 7: OPERATOR CERTIFICATION AND EDUCATION**

**A.** What was the name of the operator-in-charge for the reporting year?  
*Name:* Gilbert McKenzie

**B.** What is his or her certification number:  
*Cert.#:* 5833

**C.** What level of certification is the operator-in-charge required to have to operate the wastewater treatment facility?  
*Level Required:* IV

**D.** What is the level of certification of the operator-in-charge?  
*Level Certified:* IV

**E.** Was the operator-in-charge of the report year certified at least at the grade level required in order to operate this plant?  
√ Check one box.  Yes = 0 points  No = 50 points  
Write 0 or 50 in the E point total box 0 E Point Total

**F.** Has the operator-in-charge maintained recertification requirements during the reporting year?  
√ Check one box.  Yes  No

**G.** How many hours of continuing education has the operator-in-charge completed over the last two calendar years?  
√ Check one box.  > 12 hours = 0 points  < 12 hours = 50 points  
Write 0 or 50 in the G point total box 0 G Point Total

**H.** Is there a written policy regarding continuing education an training for wastewater treatment plant employees?  
√ Check one box.  Yes  No  
*Explain:* Budget allocated and training schedule set at beginning of each year

**I.** What percentage of the continuing education expenses of the operator-in-charge were paid for:  
*By the permittee?* 100 *By the operator?* 0%

**J.** Add together the E and G point values and place the sum in the box below at the right.

**TOTAL POINT VALUE FOR PART 7:** 0 (max = 100)

Also enter this value or 100, whichever is less, on the point calculation table on page 16.

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**PART 8: FINANCIAL STATUS**

A. Are User-Charge Revenues sufficient to cover operation and maintenance expenses?

√ Check one box.      Yes      No     *If No, How are O&M costs financed?*

B. What financial resources do you have available to pay for your wastewater improvements and reconstruction needs?

Revenue generated from the sale of water and sewer services.

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**PART 9: SUBJECTIVE EVALUATION**

**A. Collection System Maintenance**

**i.** Describe what sewer system maintenance work has been done in the last year.

General maintenance (smoking & camera). Less than 1% of collection system has needed repair.

**ii.** Describe what lift station work has been done in the last year.

General maintenance...pumps replaced as needed. Typically burnt up due to clogging.

**iii.** What collection system improvements does the community have under construction for the next 5 years?

Lift stations will be renovated as necessary. Electrical panels will be upgraded accordingly.

**B.** If you have ponds please answer the following questions: **N/A** ✓ Check one box.

- |  |                              |                             |
|--|------------------------------|-----------------------------|
| <b>i.</b> Do you have duckweed buildup in the ponds?                                       | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <b>ii.</b> Do you mow the dikes regularly (at least monthly), to the waters edge?          | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <b>iii.</b> Do you have bushes or trees growing on the dikes or in the ponds?              | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <b>iv.</b> Do you have excess sludge buildup (> 1foot) on the bottom of any of your ponds? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <b>v.</b> Do you exercise all of your valves?  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <b>vi.</b> Are your control manholes in good structural shape?                             | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <b>vii.</b> Do you maintain at least 3 feet of freeboard in all of your ponds?             | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| <b>viii.</b> Do you visit your pond system at least weekly?                                | <input type="checkbox"/> Yes | <input type="checkbox"/> No |



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C. Treatment Plants

i. Have the influent and effluent flow meters been calibrated in the last year?

Yes     No    (✓ Check one box.)

N/A  
Influent flow meter calibration date(s)

August 6, 2014  
Effluent flow meter calibration date(s)

ii. What problems, if any, have been experienced over the last year that have threatened treatment?

NONE

iii. Is your community presently involved in formal planning for treatment facility upgrade?

✓ Check one box.     Yes     No    *If Yes, Please describe:*

The Parish intends on connecting this system to the City of Mandeville over the next five years. Unit will be taken completely out of service, eliminating the point source.

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**D. Preventive Maintenance**

- i.** Does your plant have a written plan for preventive maintenance on major equipment items?

√ Check one box.       Yes       No      *If Yes, Please describe:*

As per manufacturer directives in O&M manual.

- ii.** Does this preventive maintenance program depict frequency of intervals, types of lubrication and other preventive maintenance tasks necessary for each piece of equipment?

Yes       No

- iii.** Are these preventive maintenance tasks, as well as equipment problems, being recorded and filed so future maintenance problems can be assured properly?

Yes       No

**E. Sewer Use Ordinance**

- i.** Does your community have a sewer use ordinance that limits or prohibits the discharge of excessive conventional pollutants (BOD, TSS or pH) or toxic substances to the sewer system from industries, commercial users and residences?

√ Check one box.       Yes       No      *If Yes, Please describe:*

There is no pretreatment program in effect. There are no categorical industrial users and no adverse effects from current users.

- ii.** Has it been necessary to enforce?

√ Check one box.       Yes       No      *If Yes, Please describe:*

N/A

- iii.** Any additional comments about your treatment plant or collection system? (Attach additional sheets if necessary.)

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LA0117676
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**POINT CALCULATION TABLE**

	<b>Actual Values</b>	<b>Maximum</b>
Part 1: <i>Influent Flow/Loadings</i>	<u>0</u>	80 points
Part 2: <i>Effluent Quality / Plant Performance</i>	<u>0</u>	100 points
Part 3: <i>Age of WWTF</i>	<u>33</u>	50 points
Part 4: <i>Overflows and Bypasses</i>	<u>10</u>	100 points
Part 5: <i>Ultimate Disposition of Sludge</i>	<u>40</u>	100 points
Part 6: <i>New Development</i>	<u>0</u>	30 points
Part 7: <i>Operator Certification Training</i>	<u>0</u>	100 points

**TOTAL POINTS:**

83 = Acceptable

# ATTACHMENT - RESOLUTION

## ST. TAMMANY PARISH MWPP RESOLUTION

Resolved that the village/town/city of I Highway 22 sewer area informs the Louisiana Department of Environmental Quality that the following actions were taken by St. Tammany Parish Council.

1. Resolved the Municipal Water Pollution Prevention Environmental Audit Report which is attached to this resolution. (See official Parish document).
  
- 2.

(Please be specific in listing the actions that will be taken to address the problems identified in the audit report.)

a.

b.

c.

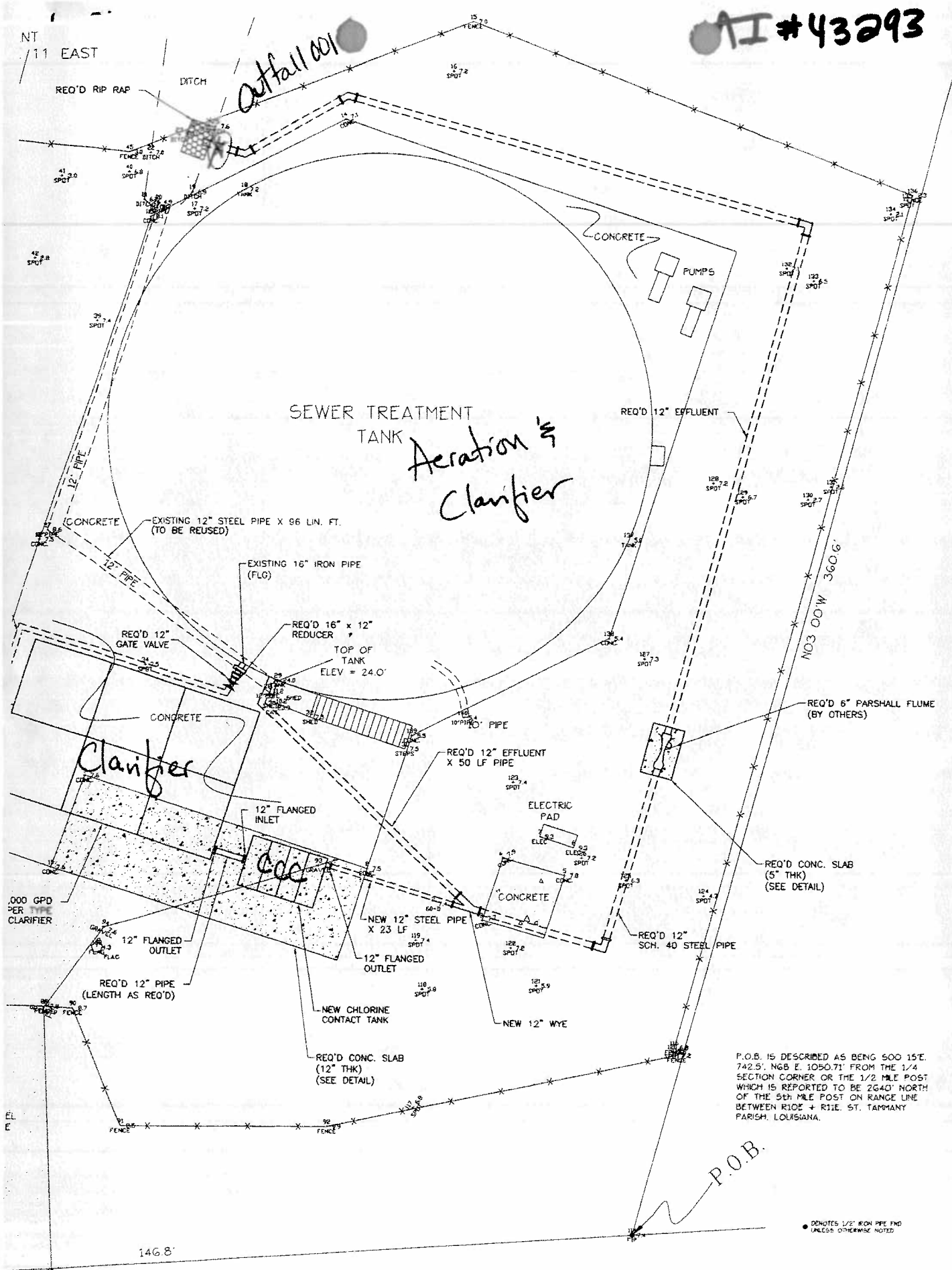
d.

etc..

Passed by a majority/unanimous (circle one) vote of the \_\_\_\_\_  
on \_\_\_\_\_ (date).

\_\_\_\_\_  
\_\_\_\_\_  
CLERK

AI #43293



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THE SERVICES AND RESTRICTIONS SHOWN ON THIS SURVEY ARE LIMITED TO THOSE SET FORTH IN THE DESCRIPTION FURNISHED US AND THERE IS NO REPRESENTATION THAT ALL APPLICABLE SERVICES AND RESTRICTIONS ARE SHOWN HEREON. THE SURVEYOR HAS MADE NO TITLE SEARCH OR PUBLIC RECORD SEARCH IN COMPILING THE DATA FOR THIS SURVEY.

Note: This is to certify that I have consulted the Federal Insurance Administration Flood Hazard Boundary Maps and found the property described \_\_\_\_\_ located in a special flood hazard area. It is located in Flood Zone "A13".  
 FIRM Panel: 225205 0220 C Rev: 1-2-81

NOTE: T.B.M. SHOWN IS REFERENCE ONLY AND NOT NECESSARILY THE BASE FLOOD ELEVATION OWNER RESPONSIBLE FOR OBTAINING TRUE B.F.E. FROM LOCAL GOVERNMENT AGENCY

40504-PL-SITE.dwg

REVISIONS	APP'D

STAMP

**Kyle Associates, llc**

Planning  
Engineering  
Landscaping  
Architecture

FOR WILLIAMS LANSAN  
P.O. Box 1000

DESIGNED BY:	BLG
DRAWN BY:	TM
CHECKED BY:	SMG

SCALE: (GENERAL)  
1" = 10'-0"

SCALE: (DETAIL)  
1" = 20'-0"

LA HIGHWAY 22  
SEWER TREATMENT PLANT EXPANSION

SOUTHEASTERN LOUISIANA WATER & SEWER CO., LLC.

SHEET NO. 1