



**REVIEW BY FORT BEND COUNTY  
COMMISSIONERS COURT**

**Fort Bend County  
Engineering Department**  
301 Jackson Suite 401  
Richmond, Texas 77469  
281.633.7500  
Permits@fortbendcountytx.gov

- Right of Way Permit
- Commercial Driveway Permit

Permit No: 2017-12054

**Applicant:** Harris Construction/LJA Engineering

**Job Location Site:** Oyster Creek at HW 99, Richmond, TX 77407

**Bond No.**                      **Date of Bond:** 5/8/2003 **Amount:** \$50,000.00

The above applicant came to make use of certain Fort Bend County property subject to, "The Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Chapter 181, Vernon's Texas Statutes and Codes Annotated.

**Notes:**

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
  - a. 48 hours in advance of construction start up, and
  - b. When construction is completed and ready for final inspection, submit notification to Permit Administrator thru MyGovernmentOnline.org portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.

On this 14th day of March, 2017, Upon Motion of Commissioner Myers, seconded by Commissioner Morales, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

**Signature**

Presented to Commissioners Court and approved.

By: Cheryl O. Ay  
County Engineer

Date Recorded 3/16/2017 Comm. Court No. 11H

By: \_\_\_\_\_  
Drainage District Engineer/Manager

Clerk of Commissioners Court  
By: Jonda Wallis  
Deputy



**PERMIT APPLICATION REVIEW FORM FOR  
CABLE, CONDUIT, AND POLE LINE ACTIVITY  
IN FORT BEND COUNTY**

**Fort Bend County  
Engineering Department**  
301 Jackson Suite 401  
Richmond, Texas 77469  
281.633.7500  
Permits@fortbendcountytx.gov

- Right of Way Permit  
 Commercial Driveway Permit

Permit No: 2017-12054

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

**(1) COMPLETE APPLICATION FORM:**

- a. Name of road, street, and/or drainage ditch affected.  
 b. Vicinity map showing course of directions  
 c. Plans and specifications

**(2) BOND:**

- County Attorney, approval when applicable.
- Perpetual bond currently posted.      Bond No: [REDACTED]      Amount: \$50,000.00
- Performance bond submitted.      Bond No: \_\_\_\_\_      Amount: \_\_\_\_\_
- Cashier's Check      Check No: \_\_\_\_\_      Amount: \_\_\_\_\_

**(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):**

\_\_\_\_\_  
Drainage District Approval

\_\_\_\_\_  
Date

**We have reviewed this project and agree it meets minimum requirements.**

*Cheryl O. AJ*

\_\_\_\_\_  
Permit Administrator

*3/6/17*

\_\_\_\_\_  
Date



## REVIEW FORM

On February 9, 2017 the Fort Bend County Drainage District reviewed the:

1. **Plans** Oyster Creek Drainage Improvements Phase VI (Signed and Sealed 12/15/16)

2. **Plat** \_\_\_\_\_

3. **Permit** \_\_\_\_\_

and agrees that this project meets with minimum requirements of this department or office. The following comments may need to be addressed or observed.

The construction plans pertain to improvements evaluated within the report titled *Master Drainage Plan for Aliana Development*, updated April 2015 and approved by the Drainage District in July 2015. The proposed project will construct Lake OC-6A providing 189.39 ac-ft of detention volume at the design 100-year water surface elevation of 81.96'. Sheet 8 includes a note that a permit must be obtained prior to work within the Oyster Creek Right-of-Way. The attached no objection letter from the Fort Bend County MUD Nos. 134A & 134B engineer acknowledges that the detention facility will be owned and maintained by FBCMUD No. 134A and expresses no objection to the proposed 15' maintenance berms. The letter also certifies that the design of this section of development is in full compliance with the most up-to-date master drainage plan approved by the Drainage District.

Reviewed by

Signature of Department Head

Based on review of the submitted information and stated conclusions, the Drainage District staff interposes no objection of the proposed drainage plan for the above referenced project.

Please note this does not necessarily mean that the entire supporting data and calculations have been completely checked and verified. However, the report is signed, dated and sealed by a Professional Engineer licensed to practice in the State of Texas, which therefore conveys the engineer's responsibility and accountability.



2929 Briarpark Drive  
Suite 600  
Houston, Texas 77042  
TBPE No F-1386

Phone 713 953 5200  
Fax 713 953 5026  
www.ljaengineering.com  
TBPLS No 10110501

January 24, 2017

Ms. Maggie Dalton  
Fort Bend County Engineering  
301 Jackson Street  
Richmond, Texas 77469

Re: Oyster Creek Drainage Improvements Phase VI  
Fort Bend County Municipal Utility District No. 134B  
LJA Job No. 1882-0001 (6.1)

Dear Ms. Dalton:

As Fort Bend County Municipal Utility District Nos. 134A and 134B Engineer, I have reviewed the above referenced plans and offer no objection to the proposed design.

The District also recognizes that the maintenance berm design deviates from the requirements of the Fort Bend County Drainage Criteria Manual and FBCMUD 134B intends to use the proposed trail system for maintenance berm purposes which will be a minimum of 15 feet in width with a minimum side slope of 10:1. The referenced detention facility will be owned and maintained by FBCMUD 134A.

As Fort Bend County Municipal Utility District Nos. 134A and 134B Engineer, I certify that the design of this section of development is in full compliance with the most up-to-date master drainage plan titled Master Drainage Plan for Aliana Development, dated April 2015, and approved by the Fort Bend County Drainage District in July 2015.

Should you have any questions or need any additional information concerning these plans, please call me at 713.953.5064.

Sincerely,

  
Jason M. Kelly, PE  
Vice President

JMK/rca

Copy: Mr. Tim Green, Coats Rose  
Mr. Travis Stone, Aliana Development Company

FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 134B  
 FORT BEND COUNTY, TEXAS

CONSTRUCTION PLANS FOR  
 OYSTER CREEK  
 DRAINAGE IMPROVEMENTS PHASE VI

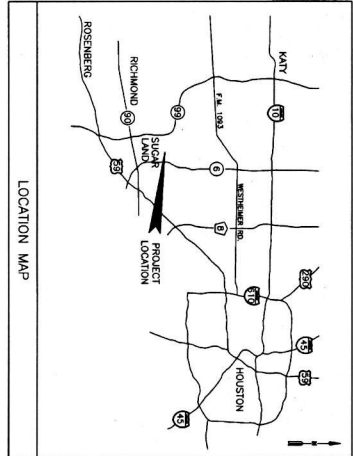
CITY OF HOUSTON E.T.J.

JOB NO. 1968-0625

DATE: DECEMBER 2016

NOTES

1. THESE PLANS WERE PREPARED TO MEET OR EXCEED FORT BEND COUNTY AND CITY OF HOUSTON SPECIFICATION RULES AND REGULATIONS (AS APPLICABLE) AS COMMENTED PARAGRAPHS.
2. CONSULT WITH THE CITY OF HOUSTON FOR ALL COMMENTS, REVISIONS AND SPECIFICATIONS.
3. CONTRACTOR SHALL NOTIFY THE FOLLOWING ENTITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION:
  - (713) 837-0000 - CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
  - (281) 342-2883 - FORT BEND COUNTY DRAINAGE DISTRICT (DRAINAGE DISTRICT)
  - (281) 342-2883 - FORT BEND COUNTY DRAINAGE DISTRICT (DRAINAGE DISTRICT)
  - (281) 342-2883 - FORT BEND COUNTY DRAINAGE DISTRICT (DRAINAGE DISTRICT)
4. CONTRACTOR SHALL CONTACT ANY PERMIT UTILITY COMPANIES AT LEAST 10 BUSINESS DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES AND/OR RIGHT-OF-WAYS.
5. CONTRACTOR SHALL CONTACT ANY PERMIT UTILITY COMPANIES AT LEAST 10 BUSINESS DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES AND/OR RIGHT-OF-WAYS.
6. THE OPENING AND CLOSING OF ALL VALVES ON EXISTING WATER LINES MUST BE PERFORMED EXCLUSIVELY BY THE DISTRICT OPERATOR.
7. THE DISTRICT OPERATOR MUST PERSONAL ALL WATER LINE HYDROLOGICAL TESTS.
8. THE DISTRICT OPERATOR MUST PERSONAL ALL WATER LINE HYDROLOGICAL TESTS.
9. CONTRACTOR SHALL NOTIFY THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING, 1500 MORGAN AVENUE, SUITE 575, HOUSTON, TEXAS 77002, AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. PROJECT TELEPHONE NO. (832) 384-3008.



ONE-CUL. INTERSECTION  
 CUL. 36" DIAMETER  
 (713) 837-0000 (IN HOUSTON)  
 (281) 342-2883 (IN FORT BEND COUNTY)  
 (800) 545-8000 (OUT OF HOUSTON)

FOOD WASTE RECYCLING PLANT  
 FLOOD ZONE "X" TO "XX"  
 WAF# AB1234567  
 APPROVED BY FORT BEND COUNTY ENGINEERING DEPARTMENT  
 DATE SIGNED: JAN. 2012  
 APPROVED BY FORT BEND COUNTY ENGINEERING DEPARTMENT  
 DATE SIGNED: JAN. 2012  
 APPROVED BY FORT BEND COUNTY ENGINEERING DEPARTMENT  
 DATE SIGNED: JAN. 2012

FORT BEND COUNTY ENGINEER  
 ENGINEER: *[Signature]*  
 DATE: 12/17/16

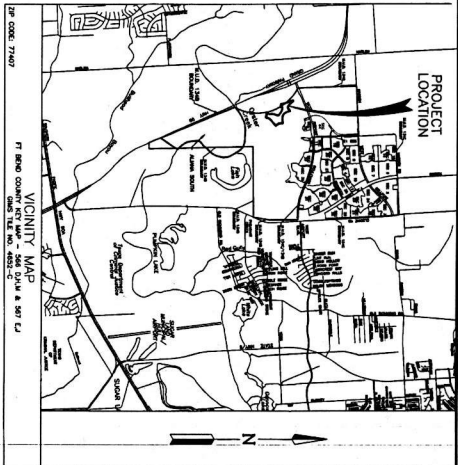
DEVELOPER:  
 ALIANA DEVELOPMENT  
 COMPANY  
 11200 RICHMOND AVENUE SUITE 280  
 HOUSTON, TEXAS 77082

RECORD DRAWING  
 I CERTIFY THAT THE DRAWING REFLECTS THE  
 IMPROVEMENTS CONSTRUCTED AS TO SIZE,  
 LOCATION AND SPACE AND IN COMPLIANCE WITH  
 THE CONTRACT DOCUMENTS.

APPROVED FOR CONSTRUCTION  
 BY: *[Signature]* DATE: \_\_\_\_\_



ENGINEER:  
 LIA Engineering, Inc.  
 2020 Bissonnet Drive  
 Suite 800  
 Houston, Texas 77062



SHEET INDEX

1. COVER SHEET
2. OVERALL LAYOUT
3. HORIZONTAL CONTROL LAYOUT
4. BRIDGE CALCULATIONS CITY OF HOUSTON (2'-IN. & 100%) & FORT BEND COUNTY (100%)
5. ALIANA SOUTH GROUNDING PLAN
6. ALIANA SOUTH STORM WATER POLLUTION PREVENTION PLAN
7. ALIANA SOUTH STORM WATER POLLUTION PREVENTION PLAN
8. ALIANA SOUTH STORM WATER POLLUTION PREVENTION PLAN
9. ALIANA SOUTH STORM WATER POLLUTION PREVENTION PLAN
10. ALIANA SOUTH STORM WATER POLLUTION PREVENTION PLAN
11. OUTFALLS A, B, & EXISTING OUTFALL. STA. 0+00.00 TO END

DETAILS

12. STORM SEWER CONSTRUCTION DETAILS (SHEET 1 OF 2)
13. STORM SEWER CONSTRUCTION DETAILS (SHEET 2 OF 2)
14. STORM WATER POLLUTION PREVENTION PLAN DETAILS

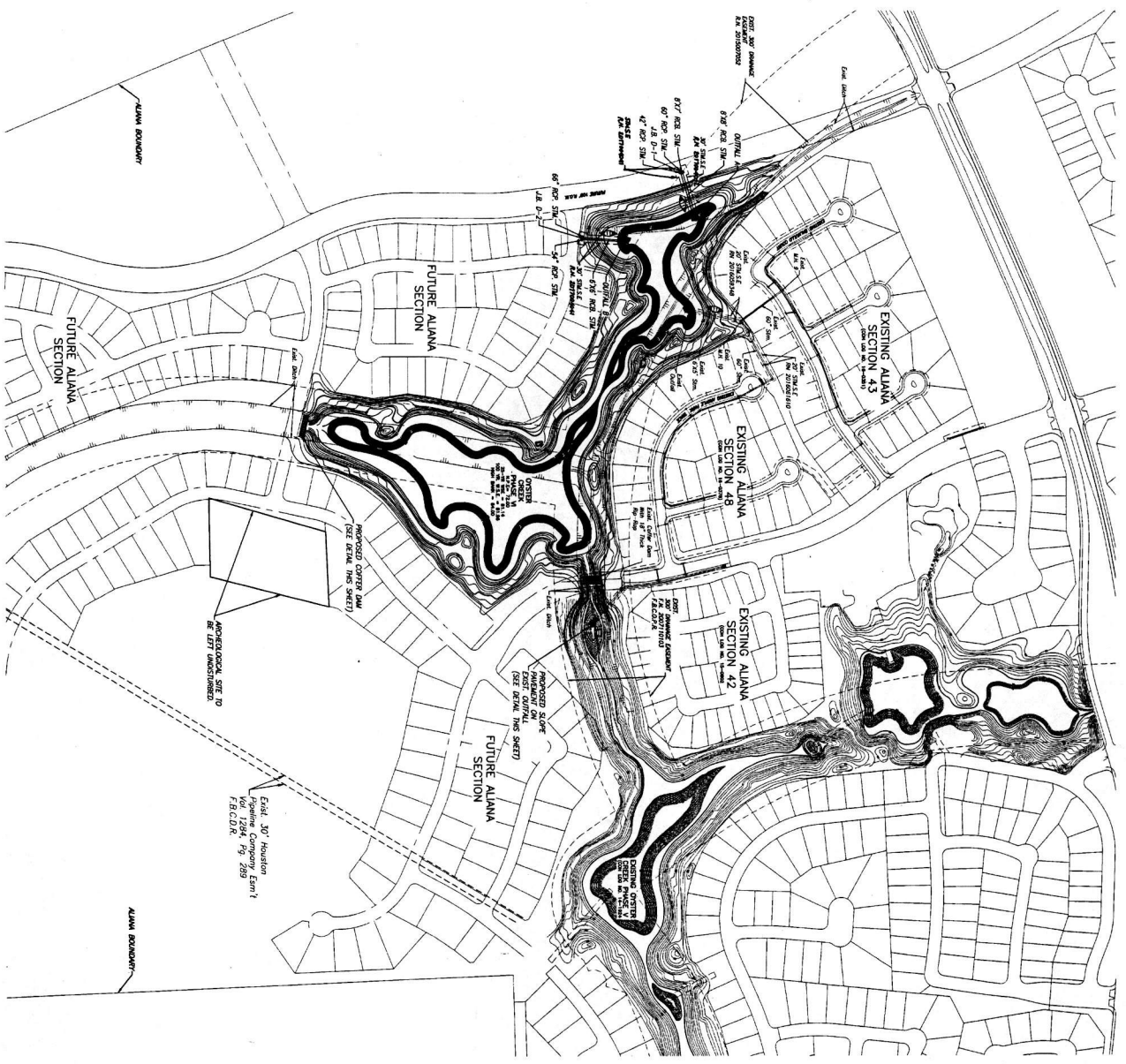
FOR ONE SHEET ONLY  
 AFTER ONE OF SHEETS

CITY OF HOUSTON  
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

LIA Engineering, Inc.  
 DIRECTOR OF PUBLIC WORKS AND ENGINEERING  
 DATE: 12/17/16

FOR CITY OF HOUSTON USE ONLY  
 SHEET NO. 1 OF 14

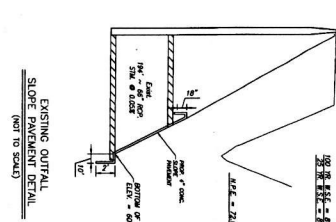
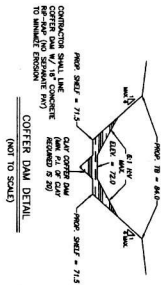




DETONATION SUMMARY TABLE

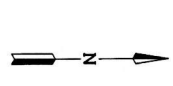
LAKE ID	NPE	25-YR WSE	100-YR WSE	HIGH BANK (AC)	DETONATION VOLUME (AC-FT)	DOWNSTREAM CONTROL STRUCTURE
06-04	Z200	81.14	81.96	84	27.00	198.33

NOTE: DOWNSTREAM AND DAMPING RESPONSIBILITY OF THE DETONATION FACILITY IS RESTED IN FEAR BROW COUNTY MUNICIPAL UTILITY DISTRICT, INC. (MUD)



**LEGEND**

- PROPOSED STORM SEWER & MANHOLE
- EXISTING STORM SEWER AND MANHOLE
- INDICATES STORM SEWER EXHIBIT
- INDICATES SHEET REFERENCE NUMBER



**RECORD DRAWING**

I HEREBY CERTIFY THAT THIS DRAWING REFLECTS THE APPROVED AS SHOWN AND CONSTRUCTION SHALL BE IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS.

DATE: 2/13/17

APPROVED: [Signature] ENGINEER-IN-CHARGE

C.O.P. LOG NO. 16-1340

F.B.C.M.U.D. NO. 134B

OYSTER CREEK DRAINAGE IMPROVEMENTS PHASE VI

OVERALL LAYOUT

LMA Engineering, Inc. 2020 Sloop Drive, Suite 600, Lake Toba, TX 77558  
 Phone: 713.838.5500 Fax: 713.838.5525  
 License No. 19848-0823  
 REGISTERED SET: [Signature] DATE: DECEMBER 2015

**CITY OF HOUSTON**

DEPARTMENT OF PUBLIC WORKS AND OPERATIONS

15150 Katy Road, Suite 100, Houston, TX 77050

DATE: 12/16/16

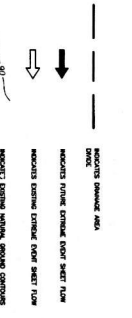
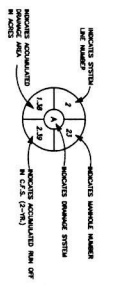
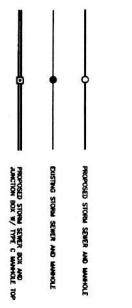
FILE NO. 198 CRT OF HOUSTON USE ONLY

DRAWING SCALE: 1" = 200'

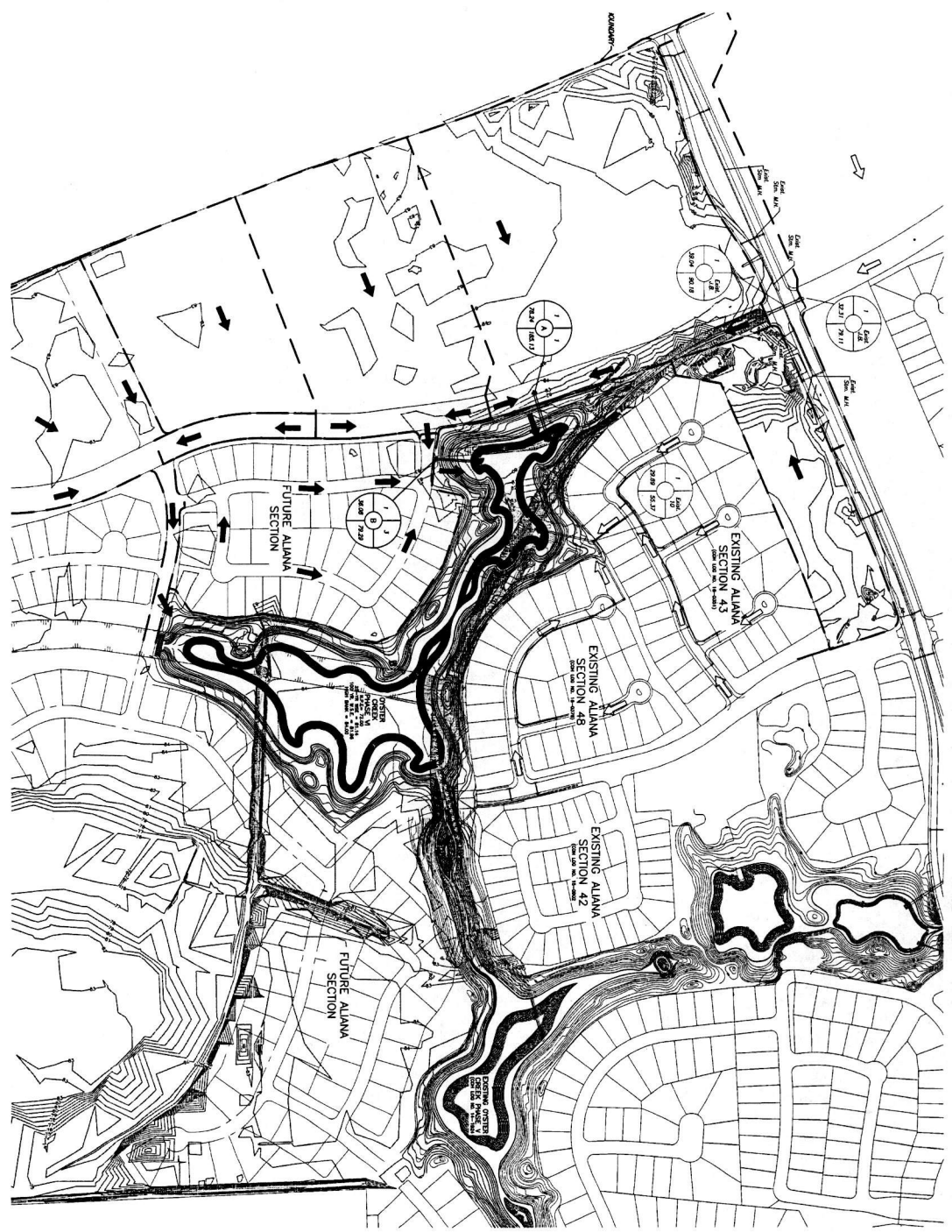
SHEET NO. 3 OF 14

57198





**LEGEND**



**CITY OF HOUSTON**  
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING  
 PROJECT NO. 1968-0625  
 DATE: DECEMBER 2016  
 SHEET NO. 5 of 14

**DRAINAGE AREA MAP**  
 OYSTER CREEK DRAINAGE IMPROVEMENTS PHASE VI  
 F.B.C.M.U.D. NO. 134B  
 C.O.P. LOG NO. 16-1340

APPROVED: *[Signature]*  
 DATE: 2/15/17  
 TITLE: DEVELOPMENT COORDINATOR

**RECORD DRAWING**  
 I CERTIFY THAT THIS DRAWING RELATES TO THE IMPROVEMENTS CONSTRUCTED AS TO SITE. THE CONSTRUCTION WAS IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS.  
 BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**NOTES:**  
 1. ENERGY TRANSFER COMPANY GENERAL GUIDELINES:  
 IN ACCORDANCE WITH STATE APPROVED...  
 2. UNLESS OTHERWISE NOTED TO BE F.T.E. IN...  
 MONITOR THE EXAMINATION ADVISOR. SEE 10...

**LIA Engineering, Inc.**

Project: Oyster Creek Phase 6  
 LIA Job No.: 1968-0625-C-25-yr  
 System Storm  
 By: W/S Date: 02/20/16  
 Checked by: Date:

Normal Pool: 71.00  
 25-YR W.S.E.: 81.14  
 CON 2 YR: 75.01  
 50-YR: 86.2  
 100-YR: 93.95

Design Frequency: 2 years

CON 2 YR	FROM	TO	ADDED	TOTAL	TC	Inch	C	Q	ADJUSTED	CUM	REACH	REACH	SIZE	WIDTH	HEIGHT	SLOPE	DESIGN	V	D.S.	OTHER	FLOWLINE	UP	DOWN	ACTV	SLOPE	SLOPE	SLOPE	ELEV	MFD	MFD	TC	MATERIAL	MANHOLES	ACTUAL	MANHOLES
CON 2 YR	JUNCTION	JUNCTION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CON 2 YR	Box 2	Box 2	17.46	17.46	31.55	3.15	0.55	1.66	0.00	12.51	10	54	6	6	0.04	48.30	3.04	2.37	0.00	70.34	70.34	2.04	0.02	0.00	0.00	0.00	81.18	81.18	82.46	1.28	83.46	84.33	33.51	MANHOLES 1	
CON 2 YR	Box 2	Box 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.96	62.96	2.20	0.02	0.00	0.00	81.14	81.14	82.46	1.32	83.46	84.33	42.79	MANHOLES 1		
CON 2 YR	Box 2	Box 2	18.00	18.00	31.73	3.10	0.60	2.40	0.00	46.79	10	66	6	6	0.05	71.43	3.10	0.00	0.00	66.78	66.78	1.97	0.019	0.002	0.002	81.18	81.18	82.46	1.28	83.46	84.33	46.79	MANHOLES 1		

Project: Oyster Creek Phase 6  
 LIA Job No.: 1968-0625-C-25-yr  
 System Storm  
 By: W/S Date: 02/20/16  
 Checked by: Date:

Normal Pool: 71.00  
 25-YR W.S.E.: 81.14  
 CON 100 YR: 125.4  
 50-YR: 21.8  
 100-YR: 0.75

Design Frequency: 100 years

CON 100 YR	FROM	TO	ADDED	TOTAL	TC	Inch	C	Q	ADJUSTED	CUM	REACH	REACH	SIZE	WIDTH	HEIGHT	SLOPE	DESIGN	V	D.S.	OTHER	FLOWLINE	UP	DOWN	ACTV	SLOPE	SLOPE	SLOPE	ELEV	MFD	MFD	TC	MATERIAL	MANHOLES	ACTUAL	MANHOLES
CON 100 YR	JUNCTION	JUNCTION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CON 100 YR	Box 2	Box 2	17.46	17.46	31.55	3.15	0.55	1.66	0.00	12.51	10	54	6	6	0.04	48.30	3.04	2.37	0.00	70.34	70.34	2.04	0.02	0.00	0.00	0.00	81.18	81.18	82.46	1.28	83.46	84.33	61.07	MANHOLES 1	
CON 100 YR	Box 2	Box 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.96	62.96	2.20	0.02	0.00	0.00	0.00	81.14	81.14	82.46	1.18	83.46	84.33	84.29	MANHOLES 1	
CON 100 YR	Box 2	Box 2	18.00	18.00	31.73	3.10	0.60	2.40	0.00	46.79	10	66	6	6	0.05	71.43	3.10	0.00	0.00	66.78	66.78	1.97	0.019	0.002	0.002	81.18	81.18	82.46	1.18	83.46	84.33	84.29	MANHOLES 1		

**FORT BEND DRAINAGE CALCULATIONS**

**ULTIMATE 100-YEAR DRAINAGE CALCULATIONS**

Contributing Area: 78.24  
 Land Use: Residential  
 Runoff Coefficient: 0.80  
 Peak Flow: 78.24  
 Time of Concentration: 0.80

**ULTIMATE 100-YEAR DRAINAGE CALCULATIONS**

Contributing Area: 18.60  
 Land Use: Commercial  
 Runoff Coefficient: 0.90  
 Peak Flow: 18.60  
 Time of Concentration: 36.88

**Wet Areas Time of Concentration**

Flow Type: 200  
 Peak Flow: 1200  
 Time of Concentration: 14.49

**Final Design Size**

0.100 Year: 228.43 cfs  
 0.250 Year: 228.43 cfs  
 0.500 Year: 228.43 cfs  
 Anticipated Street Flow: 146.14 cfs

**Final Design Size**

0.100 Year: 88.83 cfs  
 0.250 Year: 88.83 cfs  
 0.500 Year: 88.83 cfs  
 Anticipated Street Flow: 146.14 cfs

**Final Design Size**

0.100 Year: 75.01 cfs  
 0.250 Year: 75.01 cfs  
 0.500 Year: 75.01 cfs  
 Anticipated Street Flow: 0.8115 cfs

**Final Design Size**

0.100 Year: 75.01 cfs  
 0.250 Year: 75.01 cfs  
 0.500 Year: 75.01 cfs  
 Anticipated Street Flow: 0.8115 cfs

Project: Oyster Creek Phase 6  
 LIA Job No.: 1968-0625-C-25-yr  
 System Storm  
 By: W/S Date: 02/20/16  
 Checked by: Date:

Normal Pool: 71.00  
 25-YR W.S.E.: 81.14  
 CON 2 YR: 75.01  
 50-YR: 86.2  
 100-YR: 93.95

Design Frequency: 100 years

CON 2 YR	FROM	TO	ADDED	TOTAL	TC	Inch	C	Q	ADJUSTED	CUM	REACH	REACH	SIZE	WIDTH	HEIGHT	SLOPE	DESIGN	V	D.S.	OTHER	FLOWLINE	UP	DOWN	ACTV	SLOPE	SLOPE	SLOPE	ELEV	MFD	MFD	TC	MATERIAL	MANHOLES	ACTUAL	MANHOLES
CON 2 YR	JUNCTION	JUNCTION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CON 2 YR	Box 2	Box 2	17.46	17.46	31.55	3.15	0.55	1.66	0.00	12.51	10	54	6	6	0.04	48.30	3.04	2.37	0.00	70.34	70.34	2.04	0.02	0.00	0.00	0.00	81.18	81.18	82.46	1.28	83.46	84.33	33.51	MANHOLES 1	
CON 2 YR	Box 2	Box 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.96	62.96	2.20	0.02	0.00	0.00	0.00	81.14	81.14	82.46	1.32	83.46	84.33	42.79	MANHOLES 1	
CON 2 YR	Box 2	Box 2	18.00	18.00	31.73	3.10	0.60	2.40	0.00	46.79	10	66	6	6	0.05	71.43	3.10	0.00	0.00	66.78	66.78	1.97	0.019	0.002	0.002	81.18	81.18	82.46	1.28	83.46	84.33	46.79	MANHOLES 1		



**CITY OF HOUSTON**  
 DEPARTMENT OF PUBLIC WORKS AND SUSTAINABILITY  
 DIVISION OF STREETS AND SIDEWALKS  
 PROJECT NO.: 1968-0625  
 DATE: 02/20/16  
 DRAWING NO.: 57193  
 SHEET NO. 6 OF 14

**RECORD DRAWING**

APPROVED: *[Signature]*  
 DATE: 2/18/17  
 REVISION: BY

COM. LOG NO. 16-1340

F.B.C.M.U.D. NO. 1348

OYSTER CREEK DRAINAGE IMPROVEMENTS PHASE VI

DRAINAGE CALCULATIONS (2-YR CITY OF HOUSTON) (100-YR FORT BEND COUNTY)

LIA Engineering, Inc.  
 Project: 1111  
 Houston, Texas 77042

Project: 1111  
 Houston, Texas 77042

Project: 1111  
 Houston, Texas 77042

Project: 1111  
 Houston, Texas 77042

Project: 1111  
 Houston, Texas 77042

Project: 1111  
 Houston, Texas 77042

Project: 1111  
 Houston, Texas 77042

Project: 1111  
 Houston, Texas 77042

Project: 1111  
 Houston, Texas 77042