



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

14L
**Fort Bend County
Engineering Department**
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
Permits@fortbendcountytexas.gov

☐ Right of Way Permit
☒ Commercial Driveway Permit

Permit No: 2017-13955

Applicant: Lindsey Construction, Inc.

Job Location Site: 18230-1/2 Beechnut Street, TX 77407

Bond No. PM18230151 **Date of Bond:** 5/19/2017 **Amount:** \$5,000.00

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 27th day of June, 2017, Upon Motion of Commissioner Morales, seconded by Commissioner Prestage, 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: Charles O. Ay
for County Engineer

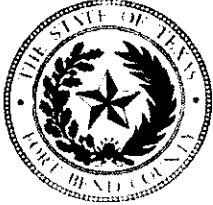
Date Recorded 7-5-2017 Comm. Court No. 14L

N/A

Clerk of Commissioners Court

By: _____
Drainage District Engineer/Manager

By: Arinda Willes
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@fortbendcountytexas.gov

- ☐ Right of Way Permit
☒ Commercial Driveway Permit

Permit No: 2017-13955

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: _____ Amount: _____
- ☒ Performance bond submitted. Bond No: XXXXXXXXXX Amount: \$5,000.00
- ☐ 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.

Charles O. Al

Permit Administrator

6/19/17

Date



**PERFORMANCE BOND COVERING ALL CABLE, CONDUIT AND/OR POLE LINE
ACTIVITY IN, UNDER, ACROSS OR ALONG FORT BEND COUNTY ROAD,
COMMERCIAL DRIVEWAY AND MEDIAN OPENINGS OR MODIFICATIONS
(AUTHORIZED)**

BOND NO. [REDACTED]

THE STATE OF TEXAS §

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND §

THAT WE, Lindsey Construction, Inc. whose (address, phone) is P.O. Box 73169, Houston, TX 77273, (281-651-0000) Texas, hereinafter called the Principal, and Colonial American Casualty and Surety Company, a Corporation existing under and by virtue of the laws of the state of Maryland and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at (name/address/phone) 1400 American Lane, Tower 1, 18th Floor, Schaumburg, IL 60196, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is Elizabeth Adler and whose address is 15303 Dallas Parkway, Suite 800, Addison, TX 75001, hereinafter called the Surety, and held and firmly bound unto, Robert E. Hebert, County Judge of Fort Bend County, Texas, or his successors in office, in the full sum of Five Thousand and 00/100s Dollars (\$ 5,000.00----) current, lawful money of the United States of America, to be paid to said Robert E. Hebert, County Judge of Fort Bend County, Texas, or his successors in office, to which payment well and truly to be made and done, we, the undersigned, bind ourselves and each of us, our heirs, executors, administrators, successors, assigns, and legal representatives, jointly and severally, by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT, WHEREAS, the above bounden principal contemplates laying, constructing, maintaining and/or repairing one or more cables, conduits, and/or pole lines in, under, across and/or along roads, streets and highways, commercial driveway and median openings or modifications in the County of Fort Bend, and the State of Texas, under the jurisdiction of the Commissioners' Court of Fort Bend County, Texas, pursuant to the Commissioners' Court order adopted on the 1st day of December, A.D. 1980, recorded in Volume 13, of the Commissioners' Court Minutes of Fort Bend County, Texas, regulating same, which Commissioners' Court order is hereby referred to and made a part hereof for all purposes as though fully set out herein;

AND WHEREAS, the principal desires to provide Fort Bend County with a performance bond covering all such cable, conduit and/or pole line activity, commercial driveway and median openings or modifications;

NOW, THEREFORE, if the above bounden principal shall faithfully perform all its cable, conduit and/or pole line activity (including, but not limited to the laying, construction, maintenance and/or repair of cables, conduits and/or pole lines) in, under, across and/or along roads, streets and highways, commercial driveway and median openings or modifications in the County of Fort Bend and State of Texas, under the jurisdiction of the Commissioners Court of Fort Bend County, Texas, pursuant to and in accordance with minimum requirements and conditions of the above mentioned Commissioners' Court order set forth and specified to be by said principal done and performed, at the time and in the manner therein specified, and shall pay over and make good and reimburse Fort Bend County, all loss and damages which Fort Bend County may sustain by reason of any failure or default on the part of said principal, then this obligation shall be null and void, otherwise to remain in full force and effect.

This bond is payable at the County Courthouse in the County of Fort Bend and State of Texas.

It is understood that at any time Fort Bend County deems itself insecure under this bond, it may require further and/or additional bonds of the principal.

EXECUTED this 19th day of May , 2017 .

Lindsey Construction, Inc
PRINCIPAL

BY 

Colonial American Casualty and Surety Company
SURETY


BY John William Newby, Attorney in fact

CCM 6-27-17 # 14L
Fort Bend County Clerk
Return Admin Serv Coord RAC

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Maryland, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Maryland (herein collectively called the "Companies"), by **GERALD F. HALEY, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **Sammy Joe MULLIS, JR., John William NEWBY, Wilbert Raymond WATSON, Sandra Lee RONEY, Debra Lee MOON, Andrea Rose CRAWFORD and Troy Russell KEY, all of Addison, Texas, EACH** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings, EXCEPT bonds on behalf of Independent Executors, Community Survivors and Community Guardians.** and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.


The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND**, this 16th day of September, A.D. 2016.


ATTEST:

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND**



By: 

Secretary
Eric D. Barnes



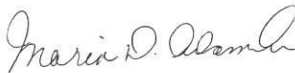
Vice President
Gerald F. Haley

State of Maryland
County of Baltimore

On this 16th day of September, A.D. 2016, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **GERALD F. HALEY, Vice President, and ERIC D. BARNES, Secretary**, of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, depose and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.





Maria D. Adamski, Notary Public
My Commission Expires: July 8, 2019



EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney....Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 19th day of May, 2017.



Michael Bond, Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT ALL REQUIRED INFORMATION TO:

Zurich American Insurance Co.
Attn: Surety Claims
1299 Zurich Way
Schaumburg, IL 60196-1056



Fidelity and Deposit Companies

Home Office: 1400 American Lane Schaumburg, IL 60196

IMPORTANT NOTICE

To obtain information or make a complaint:

You may call the Fidelity and Deposit Company of Maryland, Colonial American Casualty and Surety Company, and/or Zurich American Insurance Company's toll-free telephone number for information or to make a complaint at:

1-800-654-5155

You may contact the Texas Department of Insurance to obtain information on companies, coverages, rights, or complaints at:

1-800-252-3439

You may write the Texas Department of Insurance:

**P.O. Box 149104
Austin, TX 78714-9104
FAX # (512) 475-1771**

PREMIUM OR CLAIM DISPUTES: Should you have a dispute concerning the premium or about a claim, you should first contact Fidelity and Deposit Company of Maryland or Colonial American Casualty and Surety Company. If the dispute is not resolved, you may contact the Texas Department of Insurance.

ATTACH THIS NOTICE TO YOUR POLICY: This notice is for information only and does not become a part or condition of the attached document.

**FILED AND RECORDED
OFFICIAL PUBLIC RECORDS**

Laura Richard

Laura Richard, County Clerk
Fort Bend County, Texas

July 05, 2017 02:12:35 PM

FEE: \$0.00 EW
BOND

2017074599



**FORT BEND MUNICIPAL UTILITY DISTRICT NO. 30
BOARD MEMBERS**

PAULINE ROWE
ASSISTANT SECRETARY

DATE: OCTOBER, 2015
PLANS PREPARED BY:

VICINITY MAP
N.T.S.
KEY MAP 526--R
GINS MAP 4654-C
ZIP CODE 77407

1. Responsible Engineer P.E. CERTIFY THAT THIS PROJECT IS ENTIRELY LOCATED OUTSIDE THE AREA WITH 100-YEAR FLOOD FREQUENCY.

CONTRACTOR SHALL NOTIFY THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING, OFFICE OF THE CITY ENGINEER, 48 HOURS BEFORE STARTING WORK ON THIS PROJECT. TELEPHONE NO. 832-394-9098.

TEXAS ONE-CALL NOTIFICATION SYSTEM
CALL BEFORE YOU DIG
713-223-4567 (LOCAL HOUSTON NUMBER)
1-800-545-6005

NOTE:
CALL 1-800-DIG-TEST BEFORE THE
COMMENCEMENT OF ANY EXCAVATION.



T.B.P.E. FROM REGISTRATION No. F-652
4301 CENTER ST. DEER PARK, TX 77536 281-940-9339

ILMS NO. 15101379
COH LOG NO. 15-1291

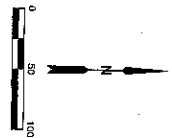
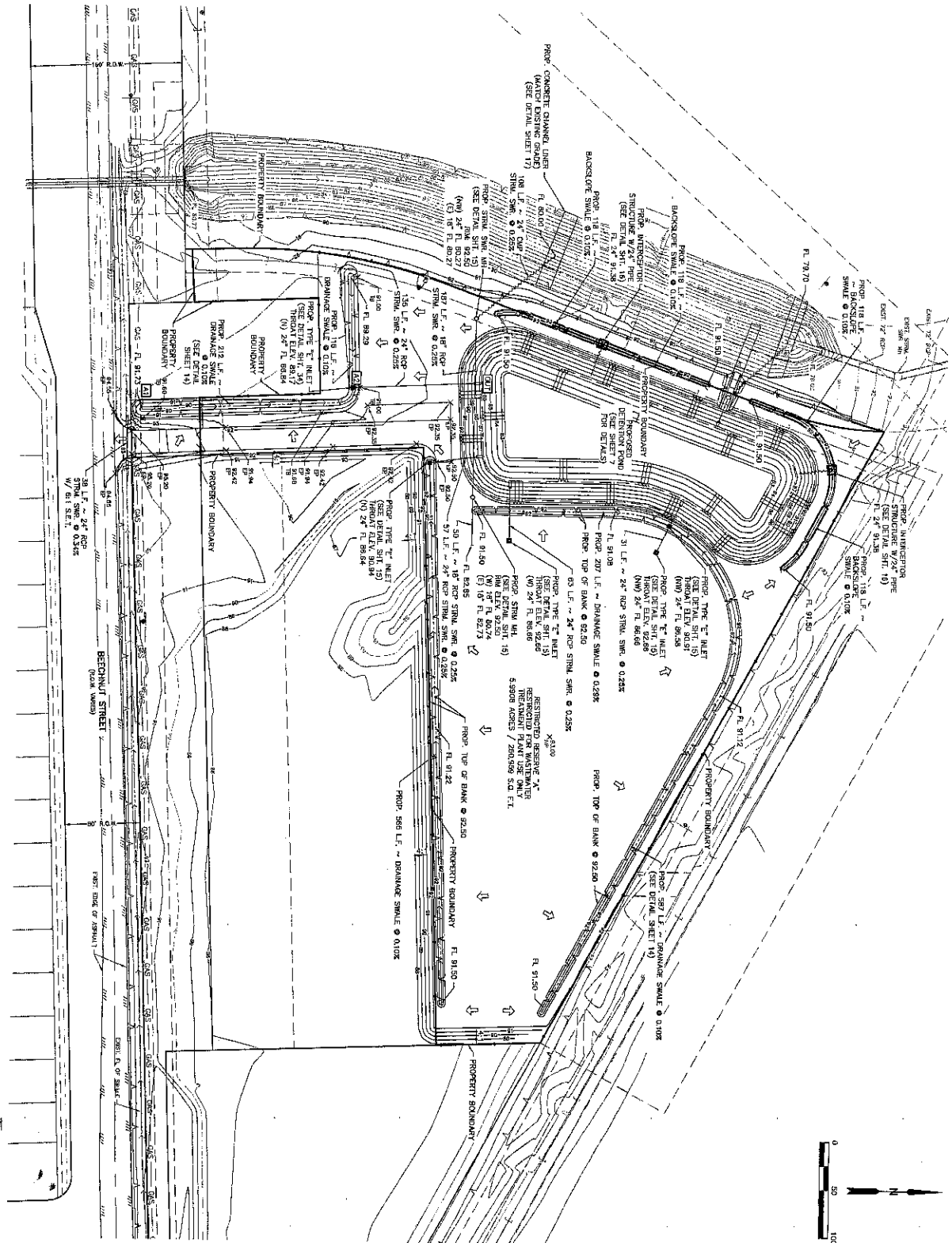
PORTLAND COUNTY ENGINEER
ENGINEER: ADD 3/26/95, JPH
FOR REVIEW BY STUDENT, P.E.
DATE: 12/11/96
THESE DRAWINGS ARE NOT A CONTRIBUTION
WAS AND COMPLETED IN () YEARS FROM DATE
OF APPROVAL.
APPROVED: Massi [Signature]
DEVELOPMENT COORDINATOR
DATE: 12/11/96

[illegible]

BENCHMARK DATA

- ## BENCHMARK DATA

[illegible]



BOUNDARY DATA
 1/4\"/>

APPROVED: *[Signature]*
 DATE: 12/1/16
 DESIGNER: [Name]
 CHECKER: [Name]
 DATE: 12/1/16



J. COSTANZA & ASSOCIATES
 ENGINEERING, INC.
 1507 FORT BEND COUNTY ROAD NO. 30
 FORT BEND COUNTY, TEXAS 77458-4535
 TEL: 281-291-1111
 FAX: 281-291-1112
 WWW.JCOSTANZA.COM

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1507 FORT BEND COUNTY ROAD NO. 30
 FORT BEND COUNTY, TEXAS 77458-4535
 TEL: 281-291-1111
 FAX: 281-291-1112
 WWW.JCOSTANZA.COM

STORM SEWER & GRADING PLAN
 SHEET NO. 6 OF 23
 1\"/>

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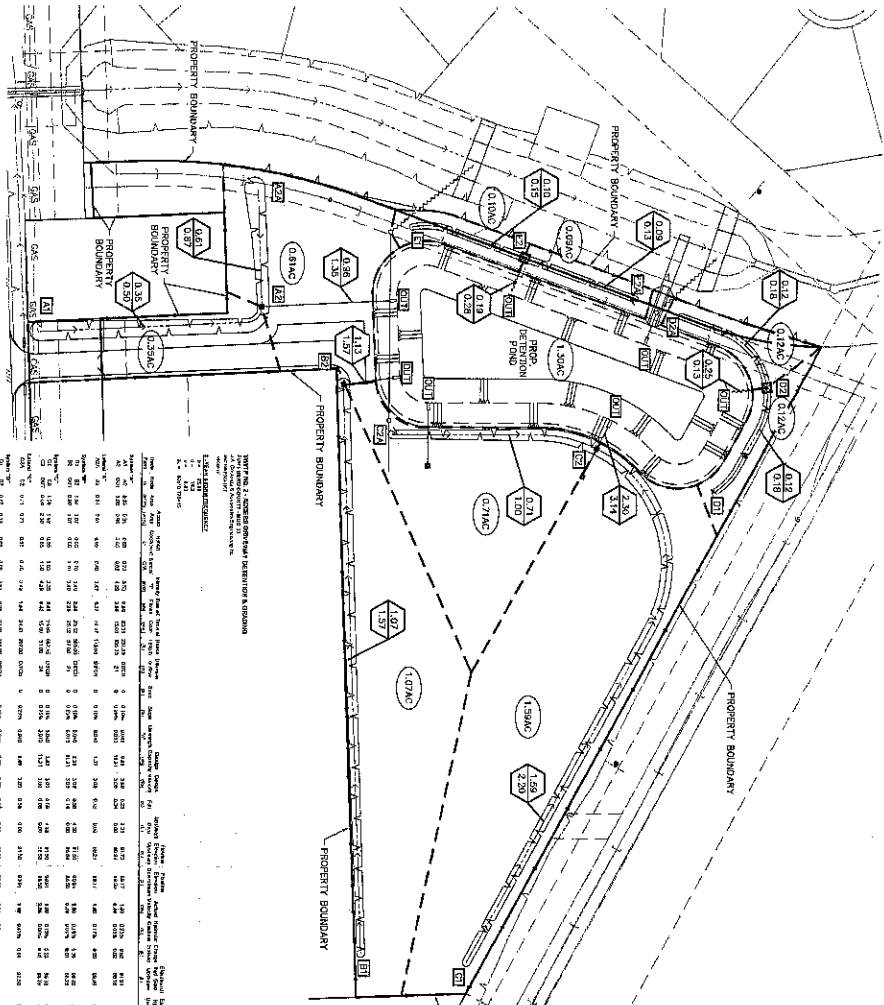


TABLE 1. 2. ACCUMULATED DRAINAGE AREA (ACRES)

Stationing: 0+00 to 1+00

Station	Drainage Area (Acres)
0+00	0.00
0+10	0.01
0+20	0.02
0+30	0.03
0+40	0.04
0+50	0.05
0+60	0.06
0+70	0.07
0+80	0.08
0+90	0.09
1+00	0.10

TABLE 2. 2. ACCUMULATED DRAINAGE AREA (ACRES)

Stationing: 1+00 to 2+00

Station	Drainage Area (Acres)
1+00	0.10
1+10	0.11
1+20	0.12
1+30	0.13
1+40	0.14
1+50	0.15
1+60	0.16
1+70	0.17
1+80	0.18
1+90	0.19
2+00	0.20

INLET CAPACITY

Q=0.045 cfs (STEP 7 SECTION 5.4.3 FORT BEND COUNTY DRAINAGE CRITERIA MANUAL)

INLET 1: 10.07' x 0.20' (A2)

INLET 2: 8.39' x 1.75' (B2)

INLET 3: 24.13' x 1.75' (C2)

INLET 4: 24.13' x 1.75' (C2)

INLET 5: 24.13' x 1.75' (C2)

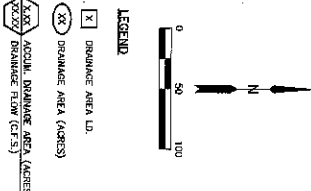
INLET 6: 24.13' x 1.75' (C2)

INLET 7: 24.13' x 1.75' (C2)

INLET 8: 24.13' x 1.75' (C2)

INLET 9: 24.13' x 1.75' (C2)

INLET 10: 24.13' x 1.75' (C2)



VOID

JACOSTANZA & ASSOCIATES
ENGINEERING, INC.

TABLE 1. FORT BEND COUNTY NO. 30
FORT BEND COUNTY NO. 30
ACCESS DRAINAGE DETENTION & GRADING
WASTEWATER TREATMENT PLANT NO. 2

**DRAINAGE AREA MAP
& CALCULATIONS**

DATE: 9/18/16

BY: [Signature]

CHECKED: [Signature]

APPROVED: [Signature]

DATE: 9/18/16

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	9/18/16

APPROVAL

DEVELOPMENT COORDINATOR

DATE: 9/18/16

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

DATE: 9/18/16

BY: [Signature]

CHECKED: [Signature]

APPROVED: [Signature]

DATE: 9/18/16

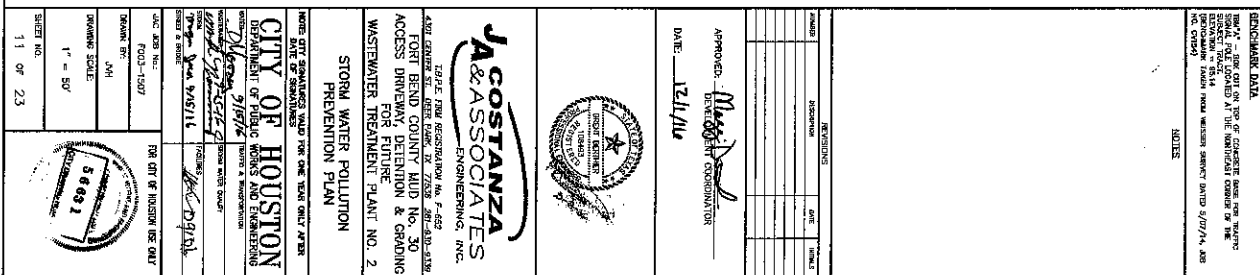
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NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	9/18/16

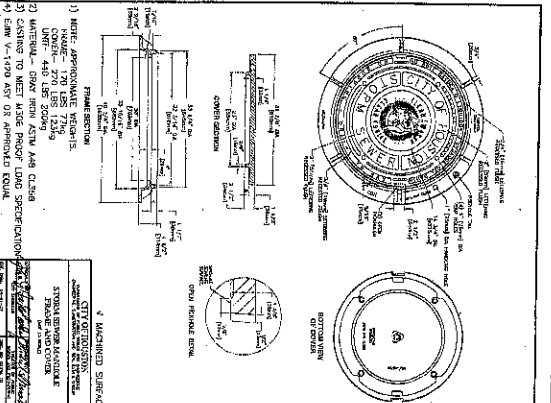
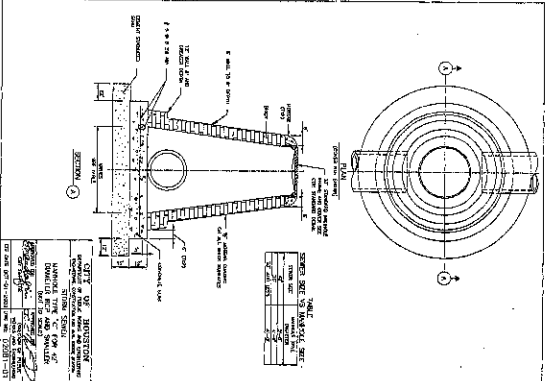
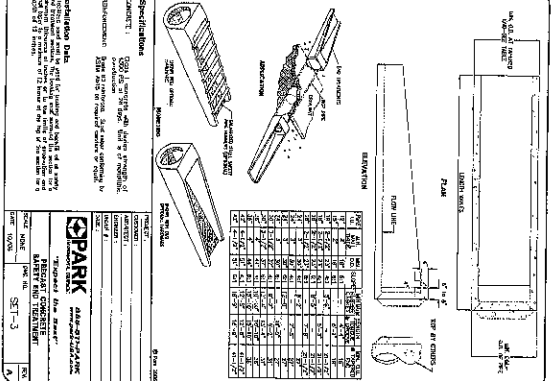
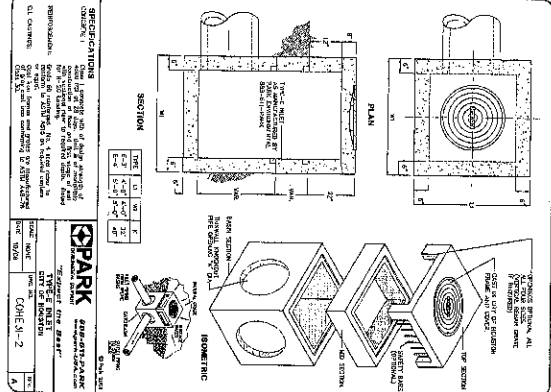
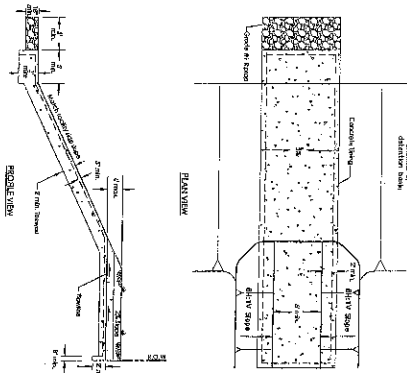
APPROVAL

DEVELOPMENT COORDINATOR

DATE: 9/18/16



TYPICAL EXTREME EVENT OVERFLOW
CONCRETE LINED SWALE



SWALE DETAIL

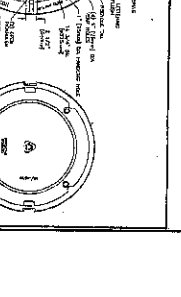
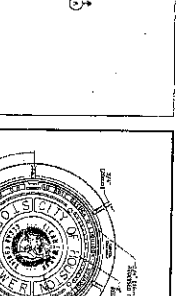
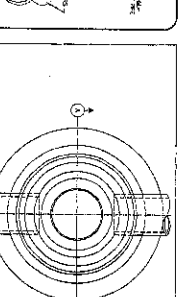
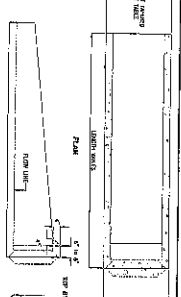
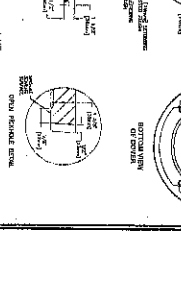
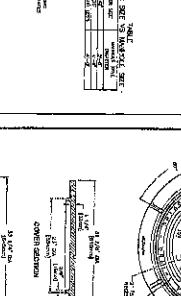
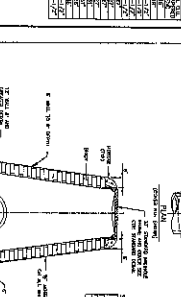
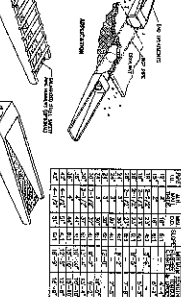
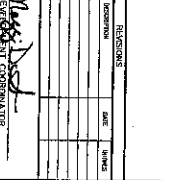
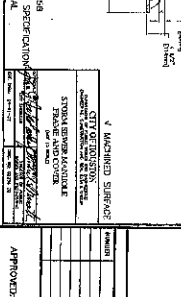
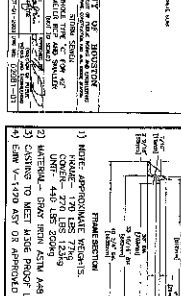
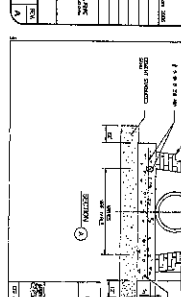
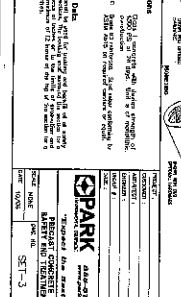
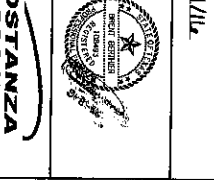
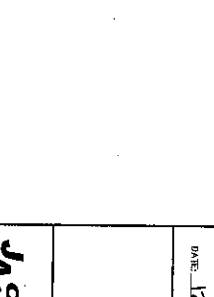
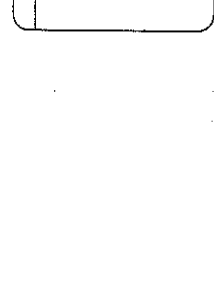
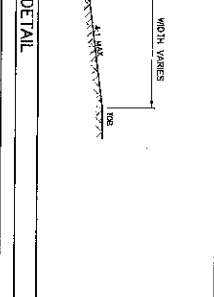
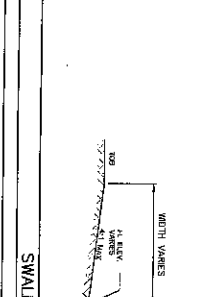
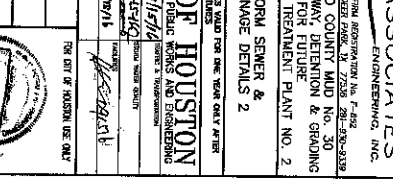
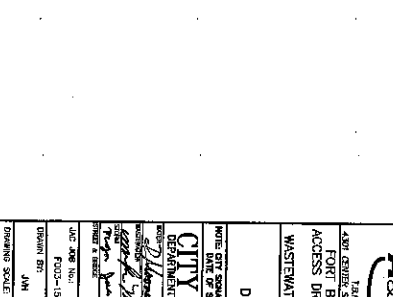
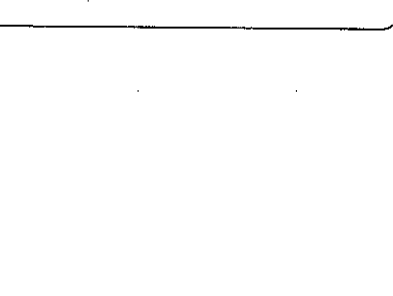
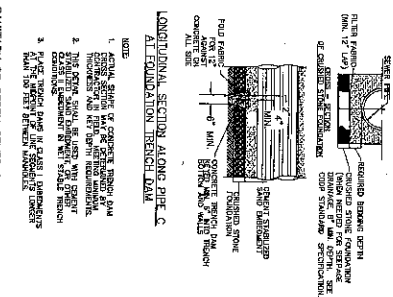
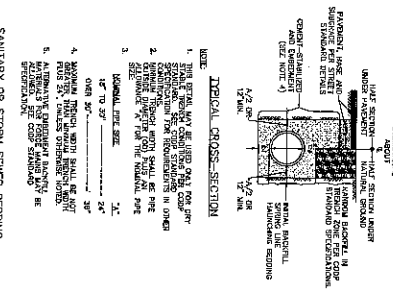
SWALE DETAIL

SWALE DETAIL

SWALE DETAIL

SWALE DETAIL

SWALE DETAIL



J & ASSOCIATES
ENGINEERS, INC.

4301 CENTER ST. SUITE 200
FORT BEND COUNTY ROAD NO. 30
ACCESS DRIVEWAY, DETENTION & GRADING
FOR FUTURE
WASTEWATER TREATMENT PLANT NO. 2

STORM SEWER &
DRAINAGE DETAILS 2

NOTE: SEE SHEETS 1401 FOR ONE SIDE ONLY AFTER
DATE OF SUBMITTAL

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
DESIGNED BY: *[Signature]*
CHECKED BY: *[Signature]*
DATE: 9/15/14

APPROVED: *[Signature]*
DATE: 12/11/14

DATE: 12/11/14

APPROVED: *[Signature]*
DESIGNER/ENGINEER

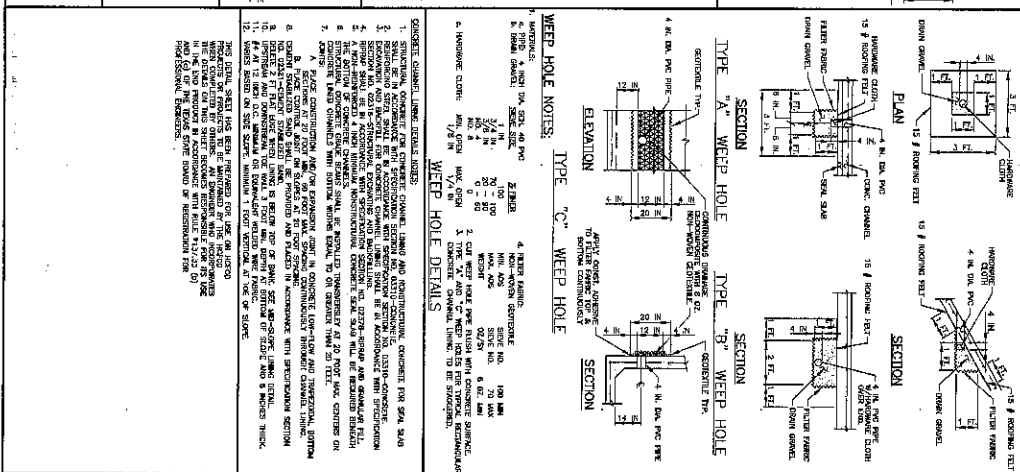
REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	12/11/14

FOR THE CITY OF HOUSTON USE ONLY

DATE: 12/11/14

56081



3000 Northcrest Parkway Houston, Texas 77068 DATE: 12-21-2010 SCALE: NTS SHEET NUMBER: OF	CONCRETE CHANNEL LINING DETAILS	PREPARED:	PROJECT ID#	REV	DESCRIPTION	DATE	APPR
		CHECKED:	PROJECT TITLE				
		APPROVED:	CONCRETE CHANNEL LINING DETAILS				

[illegible]


J & COSTANZA
ENGINEERING, INC.

734 E. NEW ABERDEEN LN. #-682
LAKE CHARLES, LA 70601-3639

FORT BEND COUNTY MUD NO. 30
ACCESS DRAINAGE, DETENTION & GROUNDING
FOR FUTURE
WASTEWATER TREATMENT PLANT NO. 2

DATE: 12/1/76

DEVELOPMENT COORDINATOR



DEPARTMENT OF DEFENSE
OFFICE OF THE INSPECTOR GENERAL
WASHINGTON, D.C. 20301

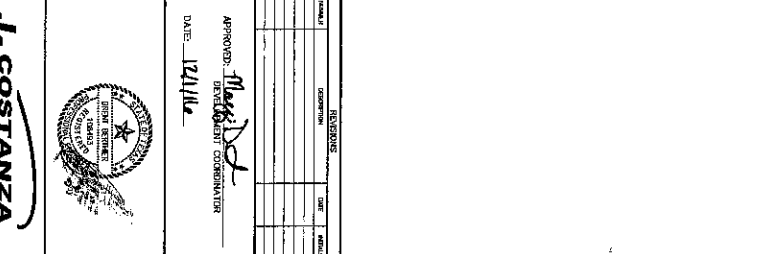
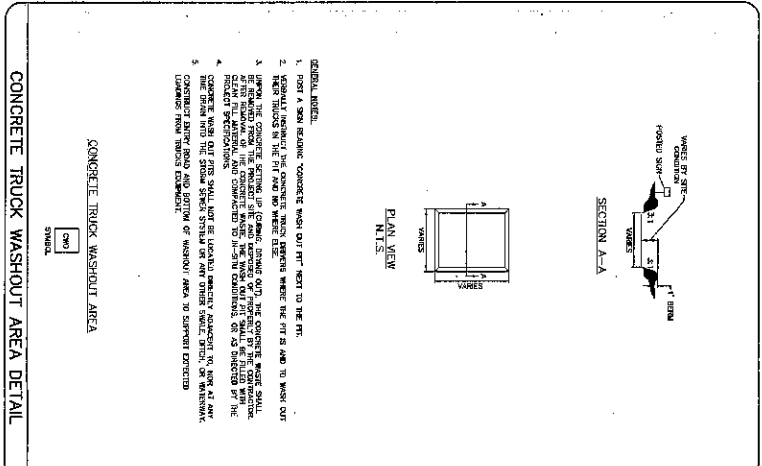
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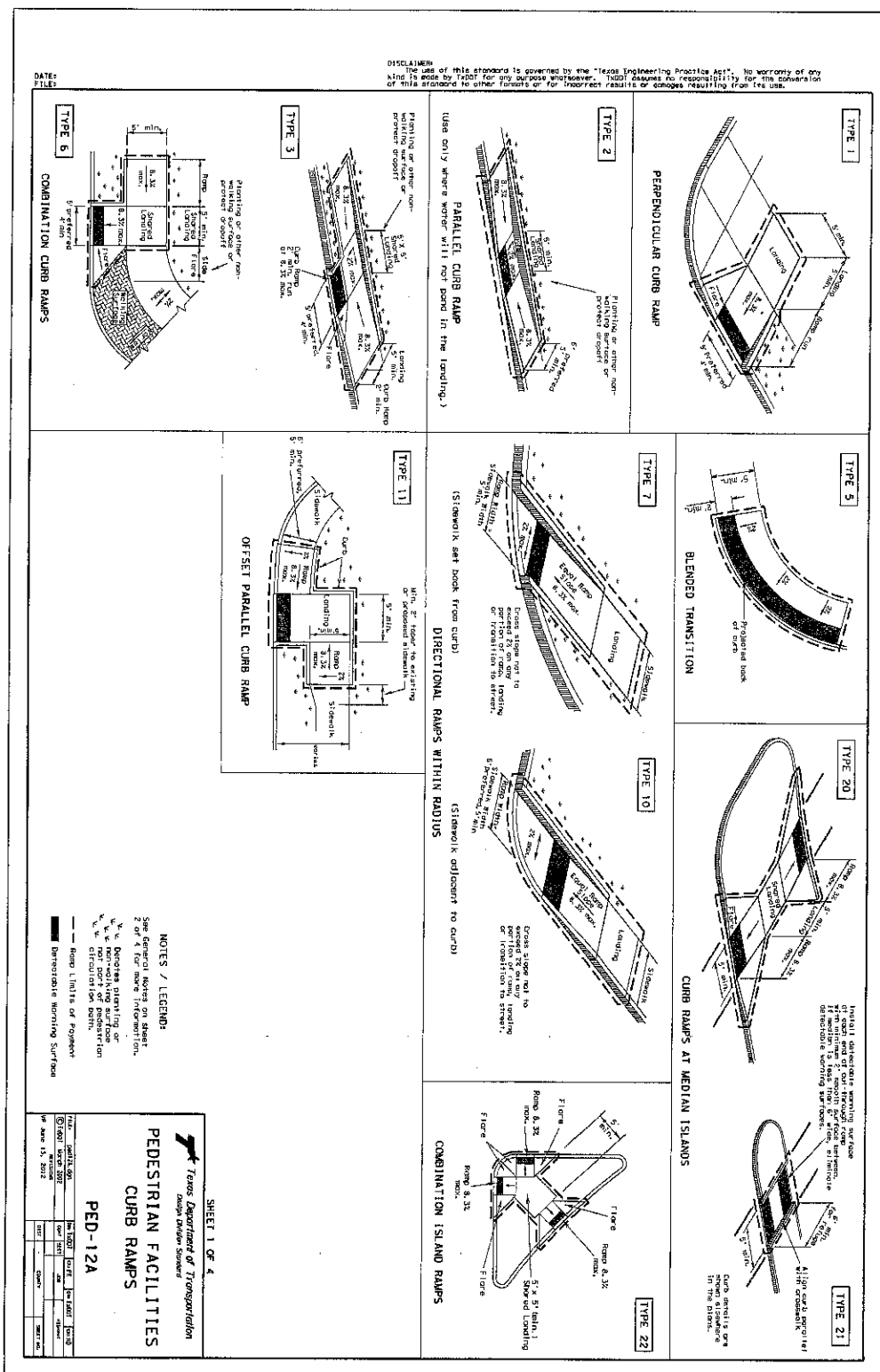
REASONS		DATE	INITIALS
REASON	REASON		

APPROVED: M. J. [Signature]

DATE: _____

1000





J&A ASSOCIATES ENGINEERING, INC.

12421 FM 1960, SUITE 100, HOUSTON, TEXAS 77058-2800-2800-2800

FOOT BEND COUNTY MUD NO. 30

ACCESS DRIVEWAY, DETENTION & GRADING

WASTEWATER TREATMENT PLANT NO. 2

TXDOT PED-12 A (1 OF 4)

NOTE: CITY OF HOUSTON MUST FOR ONE YEAR ONLY AFTER

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

DATE: 7/7/16

FOR CITY OF HOUSTON USE ONLY

50631

20 OF 23

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General Notes

Curb Ramps

- [illegible]

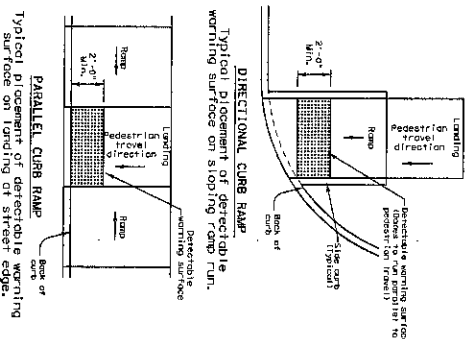
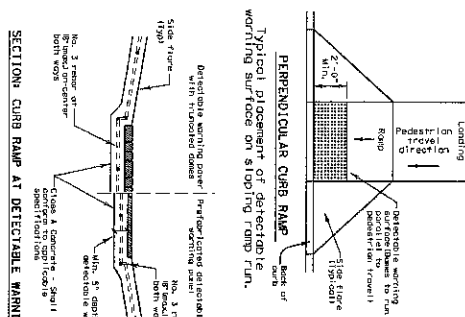
Detectable Warning Water

18. Road ramps must contain a detectable warning surface that consists of raised rectangular blocks complying with Section 709 of the IAS. The surface must carry a minimum load of 10,000 kg and be made of a material that is resistant to impact and abrasion. The surface must be made of a material that is resistant to impact and abrasion. The surface must be made of a material that is resistant to impact and abrasion.
19. Detectable warning surfaces must be made of a material that is resistant to impact and abrasion. The surface must be made of a material that is resistant to impact and abrasion. The surface must be made of a material that is resistant to impact and abrasion.
20. Detectable warning surfaces must be made of a material that is resistant to impact and abrasion. The surface must be made of a material that is resistant to impact and abrasion. The surface must be made of a material that is resistant to impact and abrasion.
21. Detectable warning surfaces must be made of a material that is resistant to impact and abrasion. The surface must be made of a material that is resistant to impact and abrasion. The surface must be made of a material that is resistant to impact and abrasion.
22. Detectable warning surfaces must be made of a material that is resistant to impact and abrasion. The surface must be made of a material that is resistant to impact and abrasion. The surface must be made of a material that is resistant to impact and abrasion.
23. Detectable warning surfaces must be made of a material that is resistant to impact and abrasion. The surface must be made of a material that is resistant to impact and abrasion. The surface must be made of a material that is resistant to impact and abrasion.

Detectable Warning Pavers

- [illegible]

DETECTABLE WARNINGS



Texas Department of Transportation
Design Division

PEDESTRIAN FACILITIES

CURB RAMPS

UNIT	PROJECT		DATE
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4	4	4	4
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[illegible]

APPROVED: 11/15/16
DEVELOPMENT COORDINATOR
DATE: 12/1/16



JACOSTANZA & ASSOCIATES
ENGINEERING, INC.


131 P.E. FROM REGISTRATION NO. F-652
4501 CENTER ST., DEER PARK, NY 77355 201-902-9139
FOR BEND COUNTY, TX 77355 201-902-9139
ACCESS DRAINWAY DETENTION & GRADING
FOR FUTURE
WASTEWATER TREATMENT PLANT NO. 2

TXDOT PED-12 A (2 OF 4)

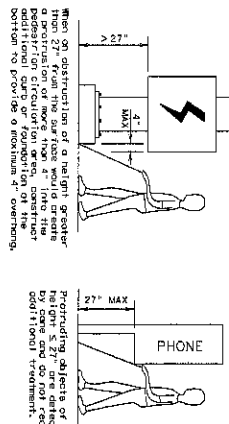
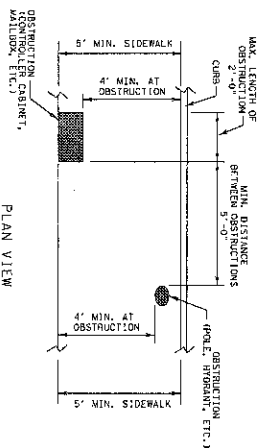
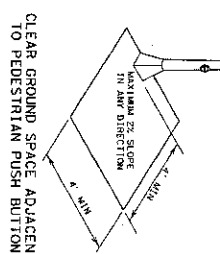
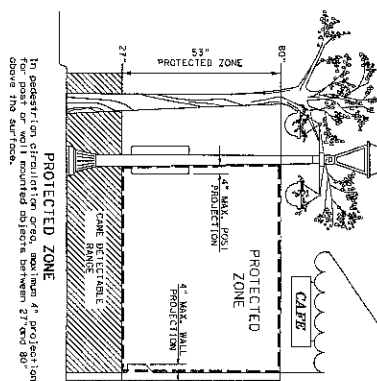
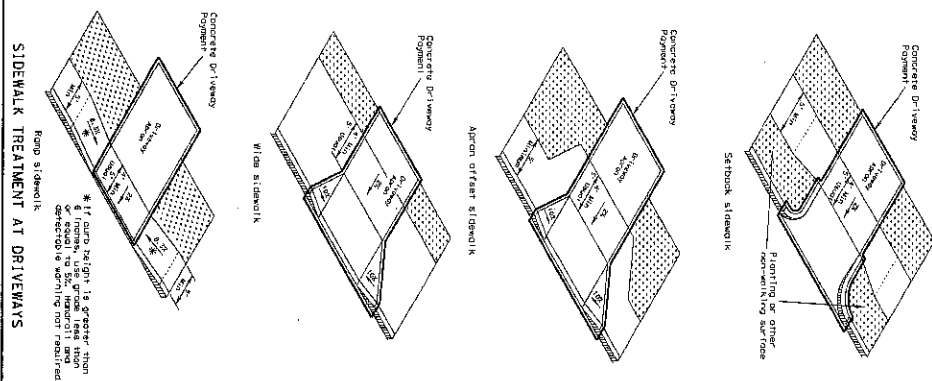
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
1101 PINE ST. SUITE 1000 HOUSTON, TEXAS 77002
713/846-2000

RECEIVED 11/13/1960 11/13/1960 11/13/1960	SPECIAL WATER QUALITY 11/13/1960
SPECIAL SPECIAL & WATER	SPECIAL SPECIAL & WATER

FOUR-1047	
DRAWN BY:	JH
DRAWING SCALE:	NTS
SHEET NO.	21 OF 23



DATE
FILE

DETECTION BARRIER FOR
VERTICAL CLEARANCE < 80

SHEET 3 OF 4

Design Division **London**

PEDESTRIAN FACILITIES
CURB RAMPS

PEĐ-12A

PALM BEACH CO.	IN 1001	EST PG.	SER 1001	TOT PG
1001 PALM BEACH 2002	DOW S&C	AS		
MAY 2006				
WIP DATE 12, 2018		DOW W		SHEET NO.

[illegible]

APPROVED: Messing
DEVELOPMENT COORDINATOR
DATE: 12/1/11



J COSTANZA
A & ASSOCIATES
ENGINEERING, INC.

TABLE 1
4301 CENTER ST. DEER PARK, TX. 77545 281-830-8339
FORT BEND COUNTY MUD NO. 30
ACCESS DRIVEWAY, DETENTION & GRADING
FOR FUTURE
WASTEWATER TREATMENT PLANT NO. 2

TXDOT PED-12 A (3 OF 4)

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

WASTEWATER	STORM WATER QUANTITY
DATE: 7-15-16	
TIME: 10:00 AM	

JACO JOB No.: STREET & BRIDGE	4000 PINE
----------------------------------	-----------

Drawn By: JHH

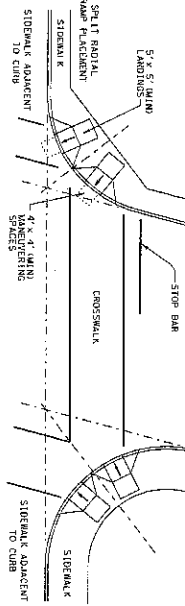
56631

SHEET NO. 22 OF 23

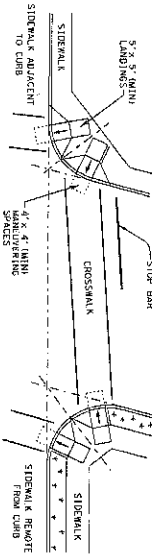
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DATE:
FILE:

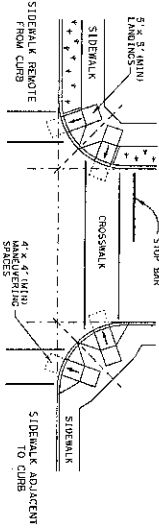
SKewed INTERSECTION WITH "LARGE" RADIUS



SKewed INTERSECTION WITH "SMALL" RADIUS

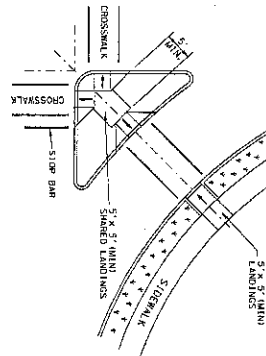


NORMAL INTERSECTION WITH "SMALL" RADIUS

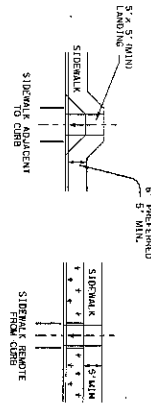


TYPICAL CROSSING LAYOUTS

AT INTERSECTION W/FREE RIGHT TURN & ISLAND



MID-BLOCK PLACEMENT PERPENDICULAR RAMPS



**PEDESTRIAN FACILITIES
CURB RAMPS**

PED-12A

DESIGN

NO.	DATE	BY	CHKD	APP'D	REV
1	12/15/11	RS	RS	RS	RS
2	12/15/11	RS	RS	RS	RS
3	12/15/11	RS	RS	RS	RS
4	12/15/11	RS	RS	RS	RS
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7	12/15/11	RS	RS	RS	RS
8	12/15/11	RS	RS	RS	RS
9	12/15/11	RS	RS	RS	RS
10	12/15/11	RS	RS	RS	RS

JACOSTANZA & ASSOCIATES
ENGINEERING, INC.

1205 FIVE STAR DRIVE, SUITE 100
FORT BEND COUNTY ROAD NO. 30
ACCESS DRIVEWAY, DETENTION & CROWDING
WASTEWATER TREATMENT PLANT NO. 2

TxDOT PED-12 A (4 OF 4)

DATE: 12/15/11

APPROVED: *[Signature]*
DESIGNER: *[Signature]*

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

9/15/12

DESIGNED BY: *[Signature]*
CHECKED BY: *[Signature]*
IN CHARGE: *[Signature]*

DATE: 12/15/11

SCALE: NTS

SHEET NO. 23 OF 23