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**REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT**

On this 4th day of August, 2015, Commissioners Court came on to be heard and reviewed the accompanying notice of Liftwater Construction Inc. on behalf of FBC MUD #57 Job Location 4303 1/2 Longmont Hills.

Date 7/21/2015 Bond No. 58S208065, Permit No. 2015-1710 to make use of certain Fort Bend County property subject to, "A Revised 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 the 3rd day of August, 1987, recorded in Volume \_\_\_\_\_ of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Article 1436a, Vernon's Texas Civil Statutes. Upon Motion of Commissioner Meyers, seconded by Commissioner Patterson, 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.

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
 Mail notices to: Permit Administrator  
 Fort Bend County Engineering  
 301 Jackson Street  
 Richmond, Texas 77469  
 281-633-7500
3. This permit expires one (1) year from date of permit if construction has not commenced.

By: [Signature]  
County Engineer

Presented to Commissioners Court and approved.  
Recorded in Volume 814/15  
Minutes of Commissioners Court

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

Clerk of Commissioners Court  
By: [Signature]  
Deputy **RENEE MICHULKA**



**FORT BEND COUNTY MUD NO. 57**

**PERFORMANCE BOND**

Bond #58S206722

**PERFORMANCE BOND**

STATE OF TEXAS

Contract Date July 1, 2014

COUNTY OF Fort Bend

Date Bond Executed \_\_\_\_\_

PRINCIPAL Liftwater Construction, Inc.

SURETY Liberty Mutual Insurance Company

OWNER Fort Bend County MUD No. 57

PENAL SUM OF BOND (in words and figures) Two Million Six Hundred Ninety-Five Thousand Five Hundred Ten and 00/100 Dollars (\$2,695,510.00)

being 100 percent of the Contract Price.

CONTRACT for Wastewater Treatment Plant Phase 4 Ultimate Expansion to 0.900 MGD for Fort Bend County Municipal Utility District No. 57, Fort Bend County, Texas.

KNOW ALL PERSONS BY THESE PRESENTS, that we, Principal and Surety above named, are held and firmly bound unto Owner, its successors and assigns, in the penal sum of the amount stated above, for the payment of which sum well and truly to be made, we bind ourselves and our respective heirs, executors, administrators, officers, directors, shareholders, partners, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, Principal entered into that certain Contract with Owner, dated the same date as this bond, which Contract is expressly incorporated herein for all purposes.

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION IS SUCH, that if Principal well and truly performs the work in accordance with the plans, specifications and any other contract documents, during the original term of the Contract and any extensions thereof that may be granted by Owner, with or without notice to Surety, and during the life of any guaranty or warranty required under the Contract, then this obligation is void; otherwise it is to remain in full force and effect. Should the Principal fail to faithfully and strictly perform the work as required by the Contract in all its terms, the Surety will be liable for all damages, losses, expenses and liabilities that the Owner may suffer in consequence thereof.

This bond is given in compliance with the provisions of Chapter 2253 of the Texas Government Code, as amended, which is incorporated herein by this reference. However, all of the express provisions contained herein and in the Contract are applicable whether or not within the scope of said statute.

Surety hereby agrees, for value received, that no change, extension of time, alteration or addition to the terms of the Contract or to work performed under the Contract, or to the plans, specifications or drawings accompanying the Contract, will in any way affect its obligations on this bond and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder.

The bound parties have executed this instrument pursuant to authority of their respective governing body, to be effective on the same date of the Contract.

Liftwater Construction, Inc.  
PRINCIPAL  
By [Signature]  
Name Everett Johnson  
Title Vice President  
Address 22803 Schiel Rd.  
Cypress, Texas 77433

ATTEST  
By [Signature]  
Name DAVID CONN  
Title PRES.

(SEAL)

Liberty Mutual Insurance Company  
SURETY  
By [Signature]  
Name Michelle Ulery  
Title Attorney in Fact

ATTEST  
By [Signature]  
Name Sheila Fink  
Title Secretary

(SEAL)

Physical Address:  
13201 NW Frwy. Ste. 810  
Wells Fargo Bldg.  
Houston, TX 77040  
Mailing Address:  
Same as above  
Telephone: 713-744-1756

Local Recording Agent Personal Identification Number:  
746941

**Surety must attach its original Power of Attorney to this bond.**

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, DANNY TULLOS, certify that I am the secretary of the corporation named as Principal in the Bond; that EVERETT JOHNSON, who signed the bond on behalf of Principal, was then VICE PRES of the corporation; that I know his or her signature, and his or her signature is genuine; and that the Bond was duly signed for and on behalf of the corporation by authority of its governing body.

[Signature] (Corporate Seal)

**PERFORMANCE BOND COVERING ALL CABLE, CONDUIT AND/OR POLE LINE  
ACTIVITY IN, UNDER, ACROSS OR ALONG FORT BEND COUNTY ROADS**

AUTHORIZED

BOND NO 58S208065

WWTP Phase 4 Ultimate Expansion (34006)

THE STATE OF TEXAS

§

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND

§

THAT WE, Liftwater Construction, Inc. obo Fort Bend County MUD No. 57 whose address is 22803 Schiel Rd., Cypress, TX 77433, Texas, hereinafter called the Principal, and Liberty Mutual Insurance Company, a Corporation existing under and by virtue of the laws of the State of MA and authorized to do an indemnifying business in the State of Texas, and whose principal office is located at 175 Berkeley Street, Boston, MA 02117, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought within said State is <sup>Allen</sup>~~Knepper~~ and whose address is 13201 NW Frwy, Ste. 810, Wells Fargo Bldg., Houston, TX 77040 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 no/100 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 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;

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 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.

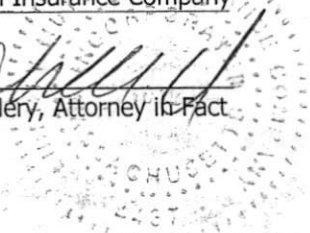
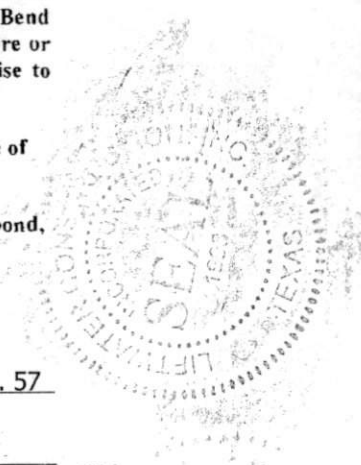
It is understood that at any time Fort Bend County deems itself insecure under this bond, it may require further and/or additional bonds of the principal.

EXECUTED this 15th day of July, 20 15.

Liftwater Construction, Inc.  
obo Fort Bend County MUD No. 57  
PRINCIPAL

Liberty Mutual Insurance Company  
SURETY

BY Michelle Ulery, Attorney in Fact



**THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.**

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 6738250

American Fire and Casualty Company  
The Ohio Casualty Insurance Company

Liberty Mutual Insurance Company  
West American Insurance Company

**POWER OF ATTORNEY**

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, C.A. McClure; Kelly J. Brooks; Kenneth L. Meyer; Michelle Ulery

all of the city of CYPRESS, state of TX each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 13th day of October, 2014.



American Fire and Casualty Company  
The Ohio Casualty Insurance Company  
Liberty Mutual Insurance Company  
West American Insurance Company

By: David M. Carey  
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss  
COUNTY OF MONTGOMERY

On this 13th day of October, 2014, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



Notarial Seal  
Teresa Pastella, Notary Public  
Plymouth Twp., Montgomery County  
My Commission Expires March 28, 2017  
Member, Pennsylvania Association of Notaries

By: Teresa Pastella  
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

**ARTICLE IV – OFFICERS – Section 12. Power of Attorney.** Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

**ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings.** Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

**Certificate of Designation –** The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

**Authorization –** By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Gregory W. Davenport, the undersigned, Assistant Secretary, of American Fire and Casualty Company, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 15th day of July, 2015.



By: Gregory W. Davenport  
Gregory W. Davenport, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



## Important Notice

TO OBTAIN INFORMATION OR TO MAKE A COMPLAINT:

You may write to Liberty Mutual Surety at:

Liberty Mutual Surety  
Interchange Corporate Center  
450 Plymouth Road, Suite 400  
Plymouth Meeting, PA 19462-8284

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  
Web: <http://www.tdi.state.tx.us>  
E-mail: [ConsumerProtection@tdi.state.tx.us](mailto:ConsumerProtection@tdi.state.tx.us)

### Premium or Claim Disputes

Should you have a dispute concerning a premium, you should contact the agent first. If you have a dispute concerning a claim, you should contact the company first. 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.

**2015-1710**

07/21/2015 07:43 AM

4303 1/2 longmont hills

Applicant:  
liftwater constru  
cody conn

**Paid By: Applicant**

liftwater constru  
cody conn  
, AK

**Permit Type**

Type	Fee
Commercial Driveway Permit (\$150)	\$150.00
<b>Total</b>	<b>\$150.00</b>

**Payments**

Payment ID	Payment Date	Payment Type	Description	Ref. Number	Amount
653979	07/21/2015	Check	COMMERCIAL DRIVEWAY	043304	\$150.00
<b>Total</b>					<b>\$150.00</b>
Discount Total					(\$0.00)
Payment Amount					\$150.00
Balance Due					\$0.00

**THIS IS NOT A PERMIT.** This receipt does not authorize you to begin construction of your project.

# FORT BEND COUNTY M.U.D. No. 57 CONSTRUCTION PLANS FOR WASTEWATER TREATMENT PLANT EXPANSION OF EXISTING DRIVEWAY 4303 1/2 LONGMONT HILLS LANE FORT BEND COUNTY, TEXAS



TPDES PERMIT No. W00014518001 EXPIRES MAY 1, 2017

**OWNER:**  
**FORT BEND COUNTY M.U.D. No. 57**  
c/o ALLEN BOONE HUMPHRIES, L.L.P.  
3200 SOUTHWEST FREEWAY, SUITE 2600  
HOUSTON, TEXAS 77027

**PREPARED BY:**  
**BENCHMARK ENGINEERING CORPORATION**  
Consulting Engineers - Planners - Surveyors  
2401 Fountainview Suite 500  
Houston, Texas 77057 U.S.A.  
(713)266-9930 Fax (713)266-3804



TEXAS BOARD OF PROFESSIONAL ENGINEERS  
BENCHMARK ENGINEERING CORPORATION  
REGISTRATION NUMBER F-6788

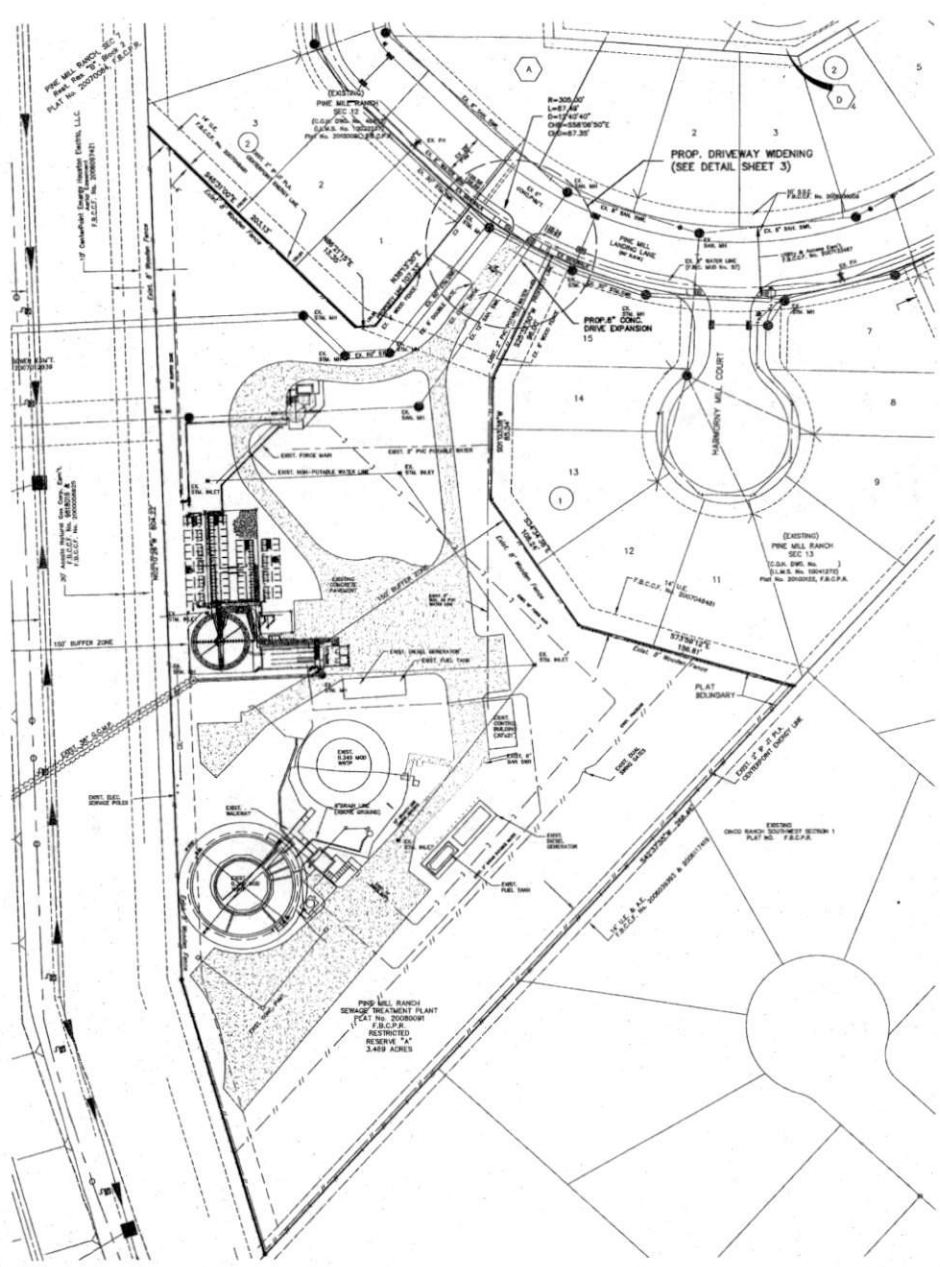
- DRAWING INDEX**
1. COVER SHEET
  2. LAYOUT SHEET AND STORM WATER POLLUTION PREVENTION SHEET
  3. PROPOSED PAVING AND DETAIL SHEET
  4. CONSTRUCTION NOTES AND DETAILS

ACCORDING TO THE MAP NO. 482500008 OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAPS FOR FORT BEND COUNTY AND INCORPORATED AREAS APRIL 2, 2014 THE SUBJECT TRACT IS SITUATED WITHIN ZONE X (UNSHADED) AREA DETERMINED TO BE OUTSIDE OF THE 100-YEAR FLOOD PLAN.

ONE-CALL NOTIFICATION SYSTEM  
**CALL BEFORE YOU DIG!!!**  
(713) 223-4567 (In Houston)  
(New Statewide Number Outside Houston)  
1-800-540-6006

<b>ENGINEER:</b> <i>Richard V. Stollers</i>	<b>DATE:</b> 5/22/15
THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.	
<b>APPROVED:</b> <i>Richard V. Stollers</i>	<b>DATE:</b> 5/22/15
<b>DEVELOPMENT COORDINATOR</b>	

L:\20060-01\3\DEVELOPMENT PRODUCTION\2\DEVELOPMENT PROJECTS\STP DRIVEWAY\3\PROJECT DRAWINGS\2\PROP SITE PLAN DRIVEWAY.dwg



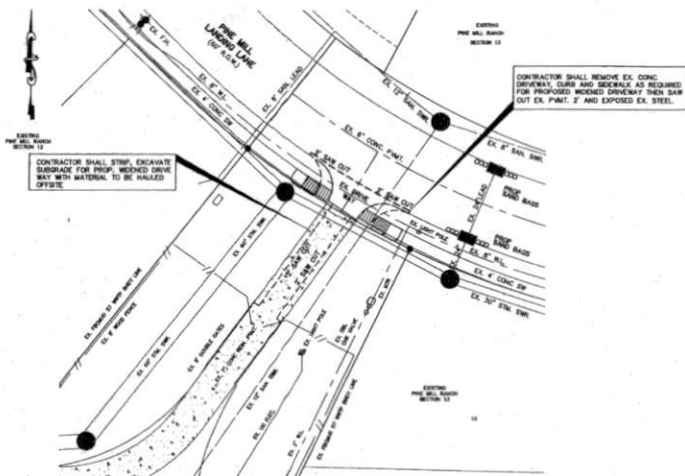
**LEGEND**

- EXISTING REINFORCED CONC. P.V.M.T.
- REMOVE AND REPLACE CONC. P.V.M.T.
- PROPOSED REINFORCED CONC. P.V.M.T.

**DETENTION SUMMARY AND  
ET, DETENTION PLAN SUMMARY**

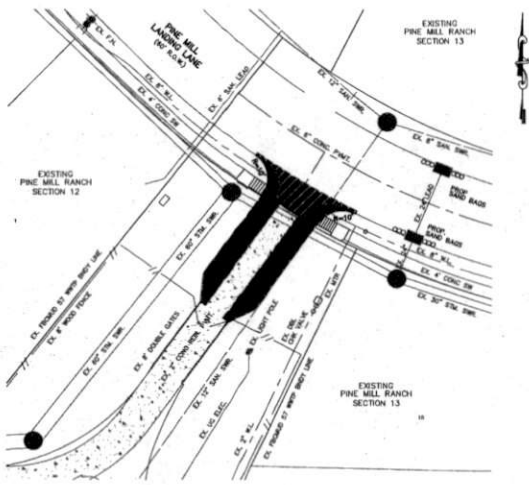
1. STORM WATER GRADUATE DESIGN IS PROVIDED IN REPORTS PREPARED BY BENCHMARK ENGINEERING CORPORATION, NOVEMBER 2012 SAE Y. SAKUR, PE # 40594
2. LITTLE SPRING CREEK WATERSHED DRAINAGE IMPACT STUDY FOR PINE MILL RANCH SUBVERSION BY FORDCO BA. 57.  
DATE BONDED AND APPROVED BY: DEC. 17, 2013, FORT BEND COUNTY CINDY SOUTHWEST M.E.D. I  
DATE BONDED AND APPROVED BY: DEC. 27, 2013, FORT BEND COUNTY DRAINAGE DISTRICT.
3. DETENTION SUMMARY
  1. AREA SERVED = 283.10 ACRES
  2. DETENTION STORAGE VOLUME RATE =  $C_d = 0.85$  AC-17/AC
  3. DETENTION STORAGE VOLUME REQUIRED = 344.47 AC-FT
  4. DETENTION STORAGE VOLUME AVAILABLE = 384.48 AC-FT
  5. MAXIMUM OUTFLOW RATE ALLOWED = 378.0 CFS
  6. MAXIMUM OUTFLOW RATE PROVIDED = 360.4 CFS
  7. RESTRICTOR SIZE = 1-7.75' Ø OPENING @ 48.0 SQ. FT.

TEXAS BOARD OF PROFESSIONAL ENGINEERS BENCHMARK ENGINEERING CORPORATION REGISTRATION NUMBER 1-8788	
WILLIAM H. SAKUR PE # 40594	May 19, 2015
FORT BEND COUNTY M.U.D. No. 57 <b>EXISTING WASTEWATER TREATMENT PLANT</b> IN FORT BEND COUNTY, TEXAS PROPOSED <b>LAYOUT SHEET AND STORM WATER POLLUTION PREVENTION SHEET</b>	
AUTHORIZATION IS VALID FOR 1 YEAR.	
APPROVED:  PROJECT DEVELOPMENT COORDINATOR	
DATE: 5/24/15	
FORT BEND COUNTY M.U.D. 57	
JOB NUMBER: 02060-01-STP4	
DRAWN BY: BCC	CHECKED BY: BCC
SCALE: 1" = 40'	SHEET NO. 2 OF 4 SHEETS
DATE: MARCH 2015	SHEET NO. 2 OF 4 SHEETS
CHECKED BY: BENCHMARK ENGINEERING CORP.	



**DRIVEWAY DEMOLITION PLAN**

SCALE: 1" = 30'  
 DEMOLITION PLAN  
 NOTES:  
 1. ALL EXISTING PAVEMENT AND SIDEWALK TO BEING BROKEN UP TO BE HAULLED OFF AND PROPERLY DISPOSED OF OFF-SITE AT NO ADDITIONAL COST.  
 2. CONTRACTOR SHALL CALL FOR ONE CALL TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO DEMOLITION CONSTRUCTION.  
 3. CONTRACTOR SHALL COORDINATE WITH THE DISTRICT OPERATOR ON ACCESS TO THE PLANT PRIOR TO STARTING DEMOLITION.  
 4. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN PUBLIC AND PEDESTRIAN TRAFFIC DURING CONSTRUCTION.

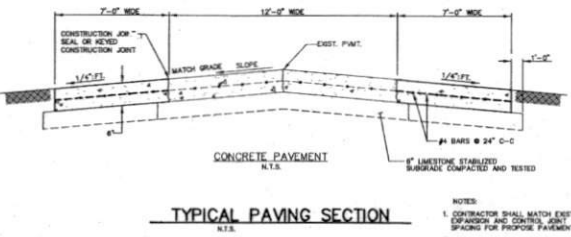


**PROPOSED DRIVEWAY EXPANSION PLAN**

SCALE: 1" = 30'  
 CONSTRUCTION PLAN NOTES:  
 1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED PERMITS.  
 2. CONTRACTOR SHALL COORDINATE WITH THE DISTRICT OPERATOR FOR CONTINUED ACCESS TO THE PLANT DURING CONSTRUCTION.  
 3. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN PUBLIC AND PEDESTRIAN TRAFFIC DURING CONSTRUCTION.

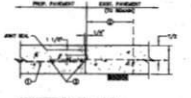
**LEGEND**

	EXISTING REINFORCED CONC. PMT.
	REMOVE AND REPLACE CONC. PMT.
	PROPOSED REINFORCED CONC. PMT.
	SANDBAGS



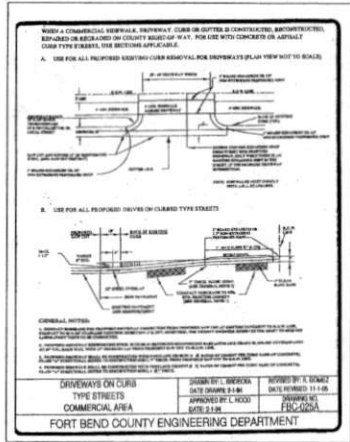
**TYPICAL PAVING SECTION**

NOTES:  
 1. CONTRACTOR SHALL MATCH EXISTING SPACING FOR PROPOSED PAVEMENT.



**CONCRETE TO CONCRETE EXISTING PAVEMENT SECTION**

NOTES:  
 1. CONTRACTOR SHALL MATCH EXISTING SPACING FOR PROPOSED PAVEMENT.



**FORT BEND COUNTY CONSTRUCTION NOTES**

1. REINFORCED CONCRETE PAVEMENT SHALL BE REINFORCED WITH #4 BARS AT 18" ON CENTER. ALL REINFORCEMENT SHALL BE PLACED IN FRONT OF WHERE FORTH TRAFFIC SHALL BE TRAVELING.
2. CONTRACTOR SHALL VERIFY THAT ALL REINFORCEMENT IS PLACED AS SHOWN PRIOR TO POURING CONCRETE AND BE RESPONSIBLE FOR ANY CORRECTIONS PRIOR TO THE START OF CONSTRUCTION.
3. FORMS SHALL BE IN ACCORDANCE WITH FORT BEND COUNTY RULES, REGULATIONS AND REQUIREMENTS RELATING TO THE APPROVAL AND ACCEPTANCE OF IMPROVEMENTS AND/OR AMENDMENTS OF SAME.
4. ALL FORMS SHALL BE PROPERLY BRACED AND SHOWN TO THE DISTRICT OPERATOR PRIOR TO POURING CONCRETE.
5. ALL FORMS SHALL BE PROPERLY BRACED AND SHOWN TO THE DISTRICT OPERATOR PRIOR TO POURING CONCRETE.
6. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR SETTING AND MAINTAINING THE CURBS PRIOR TO POURING CONCRETE.
7. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR SETTING AND MAINTAINING THE CURBS PRIOR TO POURING CONCRETE.
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19. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR SETTING AND MAINTAINING THE CURBS PRIOR TO POURING CONCRETE.
20. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR SETTING AND MAINTAINING THE CURBS PRIOR TO POURING CONCRETE.

**SITE PREPARATION FOR CONSTRUCTION OF DRIVEWAYS & PAVEMENTS:**

1. SITE DRAINAGE SHALL BE ESTABLISHED AND STORM DRAINAGE STRUCTURES INSTALLED IN ORDER TO PRECLUDE THE INUNDATION OF THE SITE AREA WITH STORM WATER OR THE LATERAL SEEPAGE OF STORM WATER INTO THE ADJACENT SURFACE SOILS.
2. THE ORGANIC TOPSOIL SHALL BE STRIPPED TO A DEPTH OF AT LEAST 4 INCHES AND TO A DEPTH AS NECESSARY TO OBTAIN THE DESIRED FINAL GRADE.
3. THE EXPOSED SUBGRADE SOIL SHALL BE PROFILES WITH A 15-TON ROLLER AND THE SUBGRADE SOIL OBSERVED DURING PROFILES TO AS TO DEFECTIVE SOILS. SOFT OR PUMPING SOILS, SILT, SOFT OR PUMPING SOILS SHALL BE TREATED WITH STABILIZING AGENTS OR STABILIZING AGENTS OF THE UNDESIRABLE SOILS SHALL BE REMOVED AND REPLACED WITH COMPACTED SUSTAINABLE SELECT FILL.
4. THE EXPOSED SUBGRADE SOIL SHALL BE COMPACTED TO AN IN-PLACE DRY DENSITY EQUAL TO AT LEAST 85% OF THE MAXIMUM STANDARD DRY DENSITY (ASTM D 698) AT A MOISTURE CONTENT WITHIN +2% OF THE OPTIMUM MOISTURE CONTENT.
5. IF IT IS NECESSARY TO PLACE FILL TO BRING THE ROADWAY SUBGRADE SOIL TO THE DESIRED GRADE ELEVATION, STABLE EARTH FILL OR SELECT FILL SHALL BE UTILIZED. STABLE EARTH FILL MAY CONSIST OF ON-SITE EXCAVATED SOIL THAT IS FREE OF DELETERIOUS SUBSTANCES. SELECT FILL SHALL CONSIST OF CLAYEY SAND OR BRACKLE LEAN CLAY WITH A MINIMUM LIQUID LIMIT OF 70% AND A PLASTICITY INDEX RANGE OF 1 TO 5. FILL SHALL BE PLACED IN 8-INCH THICK LIFTS AND COMPACTED TO AN IN-PLACE DRY DENSITY EQUAL TO AT LEAST 85% OF THE MAXIMUM STANDARD DRY DENSITY (ASTM D 698) AT A MOISTURE CONTENT WITHIN +2% OF THE OPTIMUM MOISTURE CONTENT.
6. THE UPPER 4 INCHES OF THE PAVEMENT SUBGRADE SOILS SHALL BE STABILIZED PER SOIL ENGINEER RECOMMENDATION.
7. THE REQUIRED QUANTITIES OF LIME AND FLY ASH FOR USE IN STABILIZATION AS PROVIDED ABOVE ARE ESTIMATES ONLY. THE ACTUAL QUANTITIES OF LIME AND FLY ASH SHALL BE BASED UPON TESTS PERFORMED ON THE SOILS USED AT THE TIME OF CONSTRUCTION.
8. CONCRETE PAVEMENT SHALL BE 7 INCHES THICK WITH #4 LONGITUDINAL BARS ON 12 INCH CENTERS AND #4 TRANSVERSE BARS ON 24 INCH CENTERS.
9. PAVING SHALL BE IN ACCORDANCE WITH FORT BEND COUNTY RULES, REGULATIONS AND REQUIREMENTS RELATING TO THE APPROVAL AND ACCEPTANCE OF IMPROVEMENTS IN SUBDIVISIONS OR RE-SUBDIVISIONS AND/OR AMENDMENTS OF SAME.
10. EXISTING PAVEMENTS, CURBS, SIDEWALKS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED TO ORIGINAL CONDITION OR BETTER, IN ACCORDANCE WITH FORT BEND COUNTY STANDARDS.
11. UPON COMPLETION OF THE PROJECT, THE CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY SHALL BE AS GOOD AS, OR BETTER THAN, THE CONDITION PRIOR TO STARTING WORK.
12. WHENEVER UNDESIRABLE NATURAL MATERIAL IS ENCOUNTERED AND CANNOT BE HANDLED BY THE EXCAVATION OR REMOVAL REQUIREMENTS, THE UNDESIRABLE MATERIAL SHALL BE DISPOSED OF OFF THE JOB SITE. THE EXCAVATED AREA SHALL BE FILLED TO ITS ORIGINAL LEVEL WITH SUITABLE MATERIAL. SUITABLE MATERIAL SHALL BE STANDARD STANDARD GRADE SELECT (ASTM METHOD D 888) WITH A MOISTURE CONTENT RANGING FROM OPTIMUM TO PLUS 2 PERCENT ABOVE OPTIMUM.
13. ALL ROAD WIDTHS, CURB RACKS AND CURB ALIGNMENT SHOWN INDICATE BACK OF CURB.
14. THE QUANTITY OF STREET CUT IN THE CONTRACT DOCUMENTS IS BASED UPON EXISTING TOPOGRAPHY PRIOR TO CONSTRUCTION. THE PAVING CONTRACTOR SHALL INCLUDE ANY CONSIDERATION FOR UTILITY WORK AS INCIDENTAL TO OTHER WORK IN THE PROJECT. THERE WILL BE NO SEPARATE PAYMENT FOR THE PAVING CONTRACTOR TO HANDLE UTILITY WORK ON SITE.

SEAL:

W.H. Backus  
 May 11, 2015

TEXAS BOARD OF PROFESSIONAL ENGINEERS  
 ENGINEERING CORPORATION  
 REGISTRATION NUMBER 7-8786

EX. NO. \_\_\_\_\_ DATE \_\_\_\_\_

BENCHMARK ENGINEERING CORPORATION  
 Consulting Engineers-Architects  
 8401 Foundation Suite 800  
 Dallas, Texas 75247  
 (714) 208-8800 FAX (714) 208-8804

FORT BEND COUNTY M.U.D. No. 87  
**EXISTING WASTEWATER TREATMENT PLANT**  
 IN  
 FORT BEND COUNTY, TEXAS  
 PROPOSED

**PROPOSED PAVING PLAN AND DETAIL SHEET**

AUTHORIZATION IS VALID FOR 1 YEAR.

APPROVED: [Signature]  
 THE DISTRICT OPERATOR

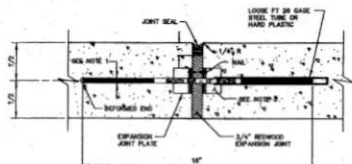
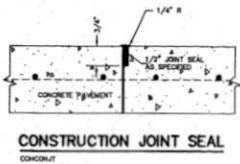
DATE: 5/21/15

FORT BEND COUNTY M.U.D. 87

JOB NUMBER: 02060-01-87P4

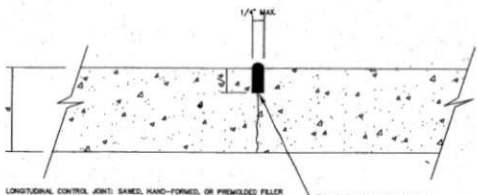
DRAWN: [Signature] CHECKED: [Signature]  
 SCALE: 1" = 30' SHEET NO. 1 OF 4 SHEETS  
 DATE: MARCH 2015 SHEET NO. 3 OF 4 SHEETS  
 SURVEY BY: [Signature] DRAWING DATE: 5/21/15

L:\VDRBG-DIV\CODE\DEVELOPMENT\PRODUCTION\2015\PROJECTS\DRAWINGS\03\PROF. SITE PLAN.dwg

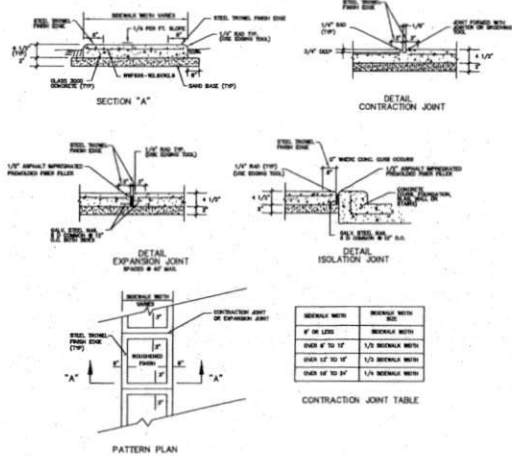
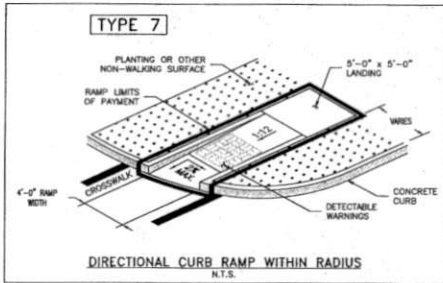


**DOWEL TYPE EXPANSION JOINT DETAIL**

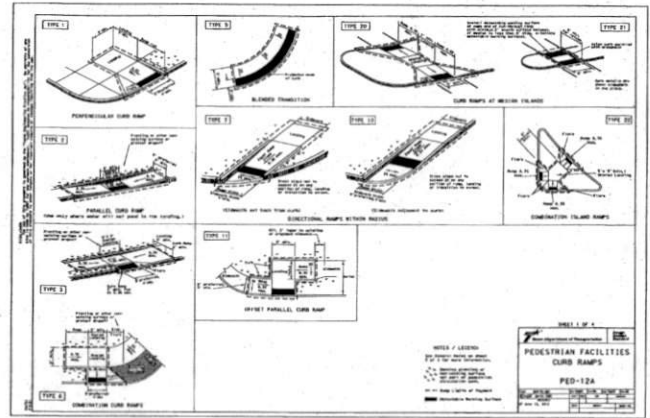
- SCALE: 3/4"=1'-0"
- NOTES:
1. JOINTS FOR PARALLEL CURB RAMP SHALL BE 1/4" RADIUS AT 1/4" FROM TOP OF CURB AND 1/4" FROM BOTTOM OF CURB.
  2. JOINTS FOR PERPENDICULAR CURB RAMP SHALL BE 1/4" RADIUS AT 1/4" FROM TOP OF CURB AND 1/4" FROM BOTTOM OF CURB.
  3. JOINTS FOR TRANSVERSE CURB RAMP SHALL BE 1/4" RADIUS AT 1/4" FROM TOP OF CURB AND 1/4" FROM BOTTOM OF CURB.
  4. IF DEFORMED METAL STRIPS ARE ALLOWED, THEY SHALL BE STAYED IN PLACE WITH JOINT SEALANT.
  5. PRE-FABRICATED JOINT PLATE.



**SAWED JOINT**



**SIDEWALK DETAILS**



SEAL

W.H. Bagur May 1, 2015

TEXAS BOARD OF PROFESSIONAL ENGINEERS  
BENCHMARK ENGINEERING CORPORATION  
REGISTRATION NUMBER F-8782

NO. 101 1015

**BENCHMARK ENGINEERING CORPORATION**  
Chartered Engineers - Planners - Surveyors  
8401 Frontstreet Suite 200  
Houston, Texas 77057 U.S.A.  
(713)885-8000 Fax (713)885-3004

FORT BEND COUNTY M.U.D. NO. 57  
**EXISTING WASTEWATER TREATMENT PLANT**  
IN  
FORT BEND COUNTY, TEXAS  
PROPOSED

**CONSTRUCTION NOTES AND DETAILS**

AUTHORIZATION IS MADE FOR YEAR.

APPROVED: *[Signature]*  
PROJECT COORDINATOR

DATE: 5/22/15

FORT BEND COUNTY M.U.D. 57

JOB NUMBER: 02060-01-STP4

SUBMITTED: BENCHMARK ENGINEERING CORP. (CHECKED BY: MJC)

SCALE: 1/4" = 1'-0" (NTS) DRAWN BY: MJC

DATE: MARCH 2015 SHEET NO. 4 OF 4 SHEETS

DRAWN BY: BENCHMARK ENGINEERING CORP.