



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

**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: 2016-10633

Applicant: GRAVA LLC

Job Location Site: 14600 Bissonet Street, Houston, TX 77083

Bond No. Date of Bond: 11/29/2016 Amount: \$581,270.72

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 13th day of December, 2016, 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.

Signature

Presented to Commissioners Court and approved.

By: Charles O. Ay
for County Engineer

Date Recorded 12/2/16 Comm. Court No. 13A

By: N/A
Drainage District Engineer/Manager

Clerk of Commissioners Court
By: Pamela W. Ellis
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: 2016-10633

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:

X
X
X

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:

Amount: \$581,270.72

☐

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

12/4/14

Date

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

AUTHORIZED

BOND NO. [REDACTED]

THE STATE OF TEXAS

§

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND

§

THAT WE, Grava LLC whose address is 1808 Snake River Suite D, Katy, TX 77449 Texas, hereinafter called the Principal, And SureTec Insurance Company, a Corporation existing under and by virtue of the laws of the state of Texas and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at 1330 Post Oak Blvd, Suite 1100, Houston, TX 77056, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is Steve Nelson and Whose address is 9737 Great Hills Trail, Suite 320, Austin, TX 78759, 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 Hundred Eighty One Thousand**Dollars (\$581,270.72) 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.

****Two Hundred Seventy and 72/100**

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 29th day of November, 2016.



Grava LLC
PRINCIPAL

BY
SureTec Insurance Company
SURETY

BY Francine Hay, Attorney-in-Fact

SureTec Insurance Company

LIMITED POWER OF ATTORNEY

Know All Men by These Presents, That SURETEC INSURANCE COMPANY (the "Company"), a corporation duly organized and existing under the laws of the State of Texas, and having its principal office in Houston, Harris County, Texas, does by these presents make, constitute and appoint

Sharon Cavanaugh, Sue Kohler, Kurt A. Risk, Sharen Groppell, Roxanne G. Brune, David R. Groppell,
Beverly A. Ireland, Francine Hay, Gloria Marisol Villa

its true and lawful Attorney-in-fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, recognizances, undertakings or other instruments or contracts of suretyship to include waivers to the conditions of contracts and consents of surety for:

Fifteen Million and 00/100 Dollars (\$15,000,000.00)

and to bind the Company thereby as fully and to the same extent as if such bond were signed by the President, sealed with the corporate seal of the Company and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney-in-Fact may do in the premises. Said appointment shall continue in force until 05/18/2017 and is made under and by authority of the following resolutions of the Board of Directors of the SureTec Insurance Company:

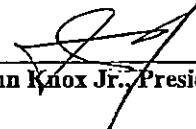
Be it Resolved, that the President, any Vice-President, any Assistant Vice-President, any Secretary or any Assistant Secretary shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

Attorney-in-Fact may be given full power and authority for and in the name of and of behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements or indemnity and other conditional or obligatory undertakings and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be binding upon the Company as if signed by the President and sealed and effected by the Corporate Secretary.

Be it Resolved, that the signature of any authorized officer and seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signature or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached. (Adopted at a meeting held on 20th of April, 1999.)

In Witness Whereof, SURETEC INSURANCE COMPANY has caused these presents to be signed by its President, and its corporate seal to be hereto affixed this 17th day of May, A.D. 2016

SURETEC INSURANCE COMPANY

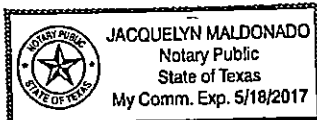
By: 
John Knox Jr., President

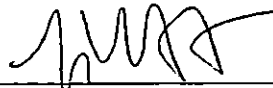
State of Texas
County of Harris

SS:



On this 17th day of May, A.D. 2016 before me personally came John Knox Jr., to me known, who, being by me duly sworn, did depose and say, that he resides in Houston, Texas, that he is President of SURETEC INSURANCE COMPANY, the company described in and which executed the above instrument; that he knows the seal of said Company; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Company; and that he signed his name thereto by like order.

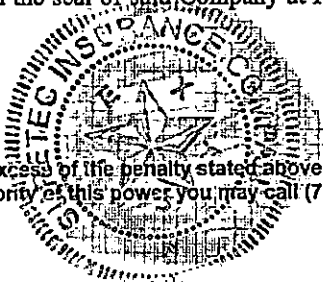


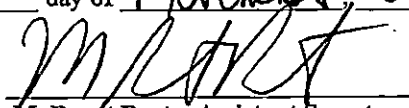


Jacquelyn Maldonado, Notary Public
My commission expires May 18, 2017

I, M. Brent Beaty, Assistant Secretary of SURETEC INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Company, which is still in full force and effect; and furthermore, the resolutions of the Board of Directors, set out in the Power of Attorney are in full force and effect.

Given under my hand and the seal of said Company at Houston, Texas this 29th day of November, 2016, A.D.




M. Brent Beaty, Assistant Secretary

Any instrument issued in excess of the penalty stated above is totally void and without any validity.
For verification of the authority of this power you may call (713) 812-0800 any business day between 8:00 am and 5:00 pm CST.

SureTec Insurance Company

THIS BOND RIDER CONTAINS IMPORTANT COVERAGE INFORMATION

Statutory Complaint Notice/Filing of Claims

To obtain information or make a complaint: You may call the Surety's toll free telephone number for information or to make a complaint or file a claim at: 1-866-732-0099. You may also write to the Surety at:

SureTec Insurance Company
9737 Great Hills Trail, Suite 320
Austin, Tx 78759

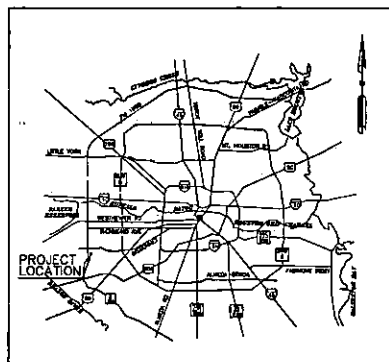
You may contact the Texas Department of Insurance to obtain information on companies, coverage, rights or complaints at 1-800-252-3439. You may write the Texas Department of Insurance at

PO Box 149104
Austin, TX 78714-9104
Fax#: 512-490-1007
Web: <http://www.tdi.state.tx.us>
Email: ConsumerProtection@tdi.texas.gov

PREMIUM OR CLAIM DISPUTES: Should you have a dispute concerning your premium or about a claim, you should contact the Surety first. If the dispute is not resolved, you may contact the Texas Department of Insurance.

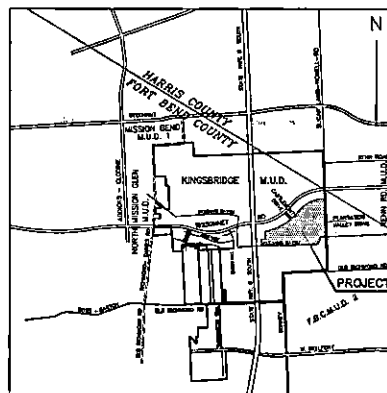
KINGSBRIDGE MUNICIPAL UTILITY DISTRICT

CONSTRUCTION PLANS FOR STORM SEWER RECONSTRUCTION AND WATER LINE ADJUSTMENTS WITHIN DOVER, SECTION ONE FORT BEND COUNTY, TEXAS



LOCATION MAP

SCALE: NTS



VICINITY MAP

SCALE: NTS
KEY MAP: 528 N&S
GMS: 4753 A&B
ZIP: 77083

SHEET INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	STORM SEWER LAYOUT - 2-YEAR EVENT
3	STORM SEWER LAYOUT - EXTREME EVENT
4	STORM SEWER CALCULATIONS - 2-YEAR EVENT COH TP101 ANALYSIS - EXTREME EVENT
5	CONSTRUCTION NOTES UTILITIES COMPANIES NOTES
6	PLAN AND PROFILE - CASTLEDOWN DR. - STA. 1+00 TO STA. 8+75
7	PLAN AND PROFILE - ROYAL HILL DR. - STA. 4+00 TO STA. 18+30
8	PLAN AND PROFILE - ROYAL HILL DR. - STA. 16+30 TO STA. 27+28.39
9	PLAN AND PROFILE - MOORFIELD DR. - STA. -2+00 (OUTFALL) TO STA. 11+50
10	PLAN AND PROFILE - DENBRIDGE DR. - STA. 2+85.78 TO STA. 15+81.39
11	PLAN AND PROFILE - MOORFIELD DR. - STA. 11+50 TO STA. 19+60.65
12	PLAN AND PROFILE - OUTFALL A - STA. 1+00 TO STA. 4+00 ORIVEWAY DETAILS
13	PLAN AND PROFILE - SECTIONS FITZROY COURT AT DENBRIDGE DRIVE WHITECROSS DRIVE AT DENBRIDGE DRIVE
14	STORM WATER POLLUTION PREVENTION PLAN
15	STORM WATER POLLUTION PREVENTION DETAILS
16	JUNCTION BOX AND OUTFALL DETAILS
17	STORM SEWER DETAILS
18	STREET CUT AND WATER LINE DETAILS
19	TxDOT PEDESTRIAN FACILITIES DETAILS
20	TRAFFIC CONTROL PLAN

CONTRACTOR SHALL NOTIFY THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING,
OFFICE OF CITY ENGINEER, 48 HOURS BEFORE STARTING WORK ON THIS PROJECT.
TELEPHONE NO. 832-394-8088

ETJ DETENTION PLANS INFORMATION:

THIS PROJECT IS WITHIN WEST KEEGAN'S BAYOU IMPROVEMENT DISTRICT.
NO ON-SITE DETENTION OF STORMWATER IS REQUIRED FOR THIS
EXISTING DEVELOPMENT.

I, DAVID E. MILLER, A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF
TEXAS DO HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY
SUPERVISION TO MEET OR EXCEED THE SPECIFICATIONS AND REQUIREMENTS OF
FORT BEND COUNTY, TEXAS.

David E. Miller
SIGNATURE

29 SEPT. 2016
DATE

FIRM INFORMATION
FLOOD INSURANCE RATE MAP
PAGE 115 OF 875
MAP # 48152014E
EFFECTIVE DATE: APRIL 2, 2014
BFE ELEVATION = 85.0 AT KEEGAN'S BAYOU
THIS SITE IS IN ZONE A (UNSHADED)

ONLY FORT BEND COUNTY ENGINEER

DESIGNED: *David E. Miller, P.E.*
Richard M. Starnes, P.E.
DATE: 10/31/16

THESE SIGNATURES ARE VOID IF CONSTRUCTION
HAS NOT COMMENCED IN (1) YEAR FROM DATE
OF APPROVAL.

APPROVED: *David E. Miller*
DATE: 10/31/16

IF NO PROPOSED WASTEWATER WORK
IS SHOWN ON THIS PLAN SET HERE
INCLUDED IN THE WORK SCOPE.

MILLER & ASSOCIATES
Consulting Engineers & Surveyors
Firm No. 8-3243
2804 Federal Road, Suite 1100, Houston, Texas 77058-4751
Phone 713/877-4108

David E. Miller
DAVID E. MILLER
29 SEPT. 2016

SUBMITTED BY THE SURVEYING COMPANY: F.B. MILLER
NOTED: CITY SIGNATURES VALID FOR ONE YEAR ONLY
AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

RECEIVED: 10/11/16
RECEIVED: 10/11/16
RECEIVED: 10/11/16

CITY ENGINEER: *David E. Miller*
FOR CITY OF HOUSTON USE ONLY
CITY ENGINEER: *David E. Miller*
DATE: 10/11/16

56730



CPC 101 PLAT FILE NO: "NO PLAT"
ILMS NO. 16073660
C.O.H. LOG NO. 2016-0877

SHEET
1 OF 20

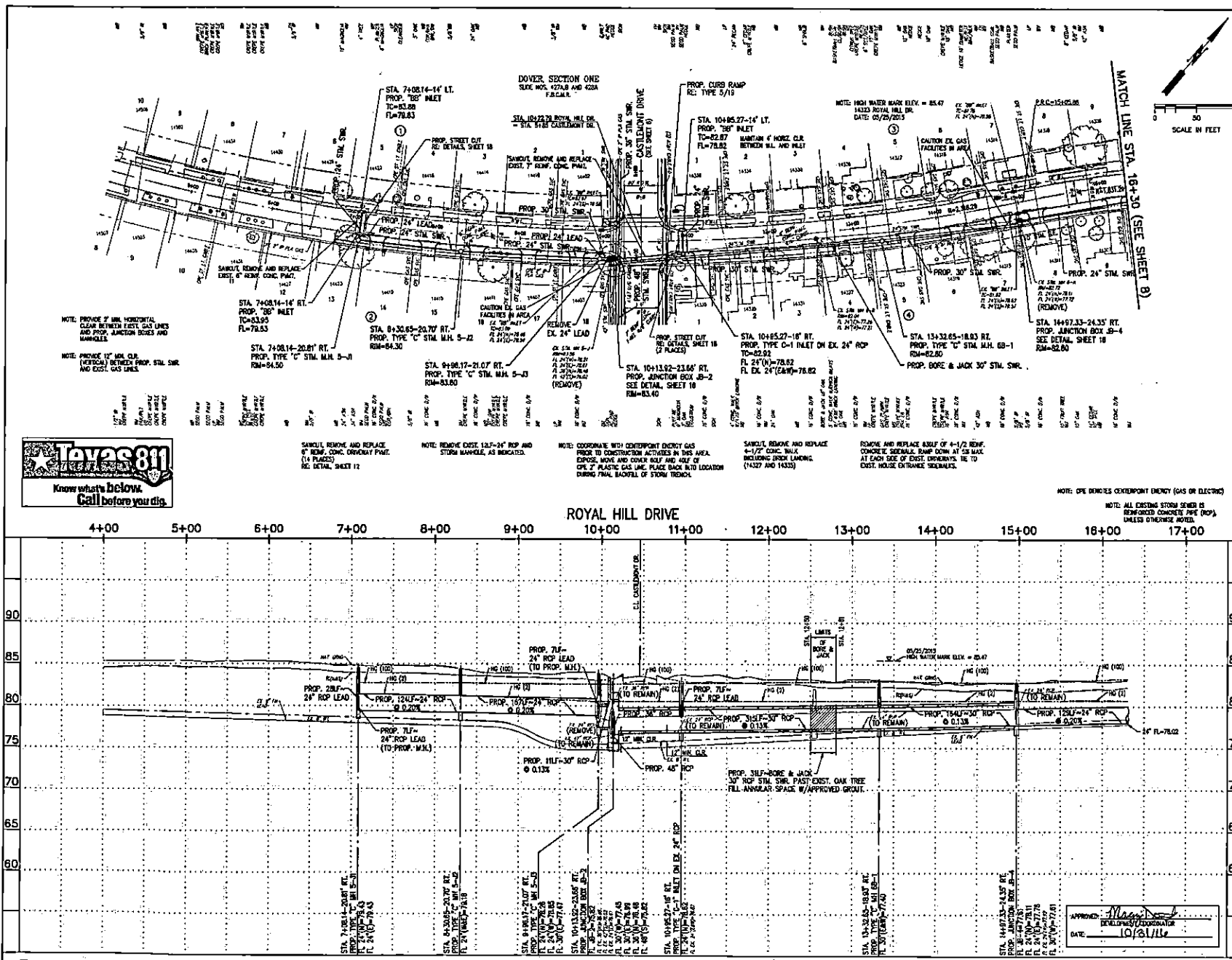
[illegible][illegible]

STORM SEWER CALCULATIONS - 2-YEAR EVENT

[illegible][illegible]

COH TP101 ANALYSIS - EXTREME EVENT

[illegible]



REVISIONS

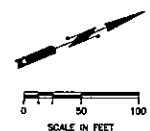
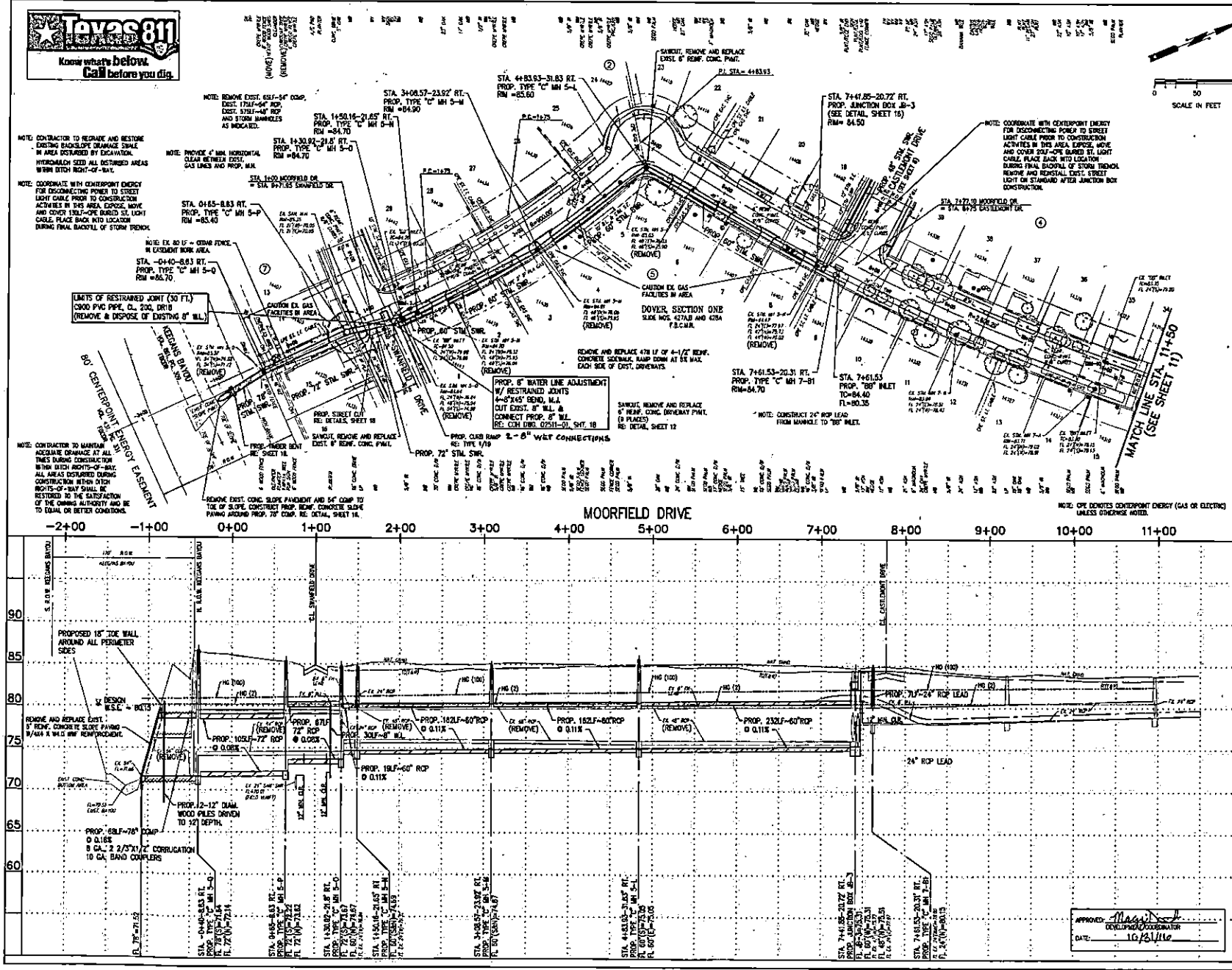
NO.	DATE	DESCRIPTION
1	10/16/16	ISSUED FOR PERMIT
2	10/16/16	REVISED FOR CITY OF HOUSTON

DESIGNER: MILLER & ASSOCIATES
10150 Katy Road, Suite 100, Houston, Texas 77059-1015
Phone 713/297-2200 Fax 713/297-2201

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND STREETS
STORM SEWER RECONSTRUCTION AND TREATMENT
WITHIN DOVER, SECTION ONE
ROYAL HILL DRIVE
STA. 4+00 TO STA. 16+30

APPROVED: [Signature]
DATE: 10/16/16

FILE NO: 56730
SHEET: 7 of 20



REVISIONS

NO.	DATE	DESCRIPTION
1	10/16/16	ISSUED FOR PERMITS
2	10/16/16	REVISED FOR CITY OF HOUSTON

NOTICE: This drawing was prepared by the undersigned and is a true and correct copy of the original. It is not to be used for any other purpose without the written consent of the undersigned.

VERIFICATION OF PRIVATE UTILITY LINES

DATE: 10/16/16
 BY: [Signature]
 TITLE: [Title]

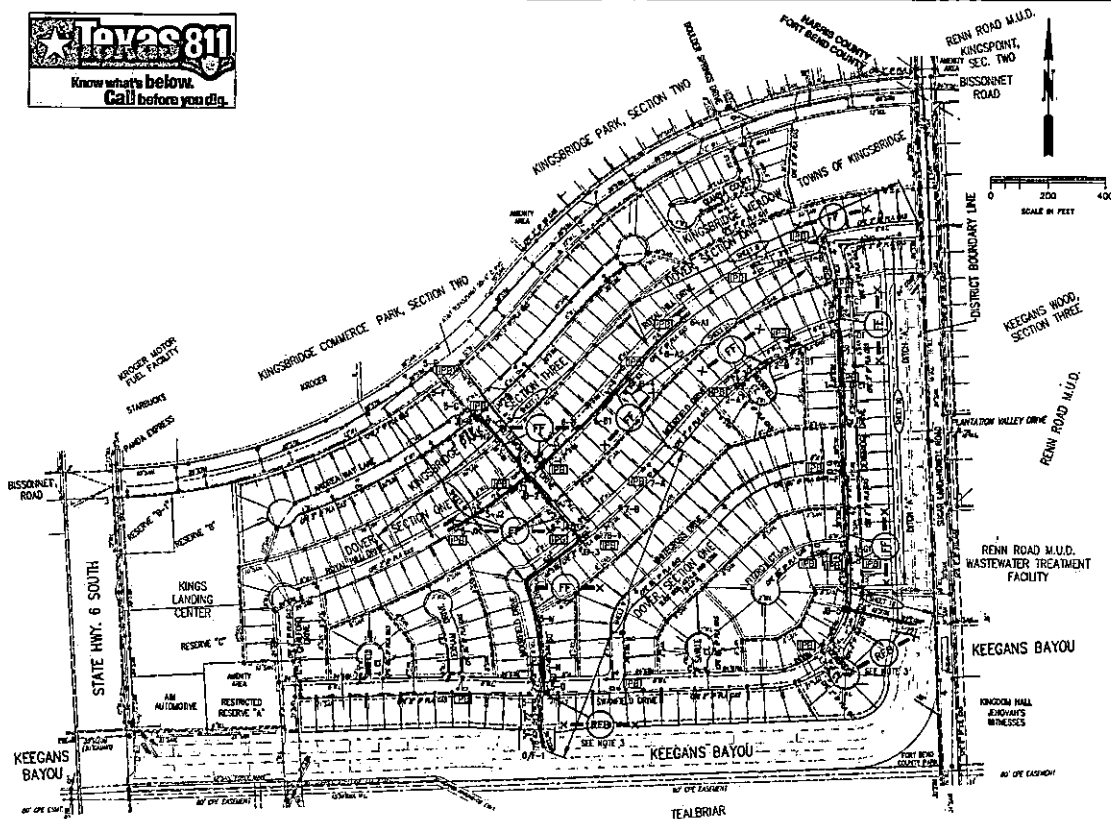
PLAN AND PROFILE
 STORM SEWER RECONSTRUCTION
 AND WATER LINE ADJUSTMENTS
 WITHIN DOVER, SECTION ONE
 MOORFIELD DRIVE
 STA. -2+00 (OUTFALL)
 TO STA. 11+50

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

APPROVED: [Signature]
 DATE: 10/16/16

FILE NO: [Blank]
DRAWING SCALE: [Blank]
NOTES: 1" = 50'
 VERT: 1" = 5'

SHEET: 9 of 20



NOTIFICATIONS

CONTRACTOR SHALL NOTIFY THE FOLLOWING ENTITIES 48 HOURS IN ADVANCE OF COMMENCEMENT OF CONSTRUCTION:

1. UTILITY COORDINATING COMMITTEE 713/223-4567
2. HARRIS COUNTY 713/223-4567
3. FORT BEND COUNTY 713/223-4567
4. KINGS BRANCH WASTEWATER TREATMENT DISTRICT 713/223-4567
5. KINGS BRANCH WASTEWATER TREATMENT DISTRICT 713/223-4567
6. KINGS BRANCH WASTEWATER TREATMENT DISTRICT 713/223-4567
7. KINGS BRANCH WASTEWATER TREATMENT DISTRICT 713/223-4567
8. KINGS BRANCH WASTEWATER TREATMENT DISTRICT 713/223-4567

LEGEND

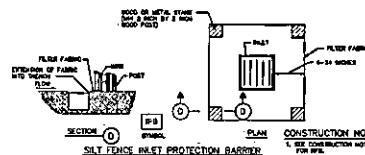
EXISTING	PROPOSED
WATER LINE	2" STL. LNE
WATER VALVE	30" STL. LNE
FIRE HYDRANT	
SANITARY SEWER LINE	
SANITARY SEWER MANHOLE	
SANITARY SEWER STACK	
SANITARY SEWER FORCE MAIN	
STORM SEWER LINE	
STORM SEWER MANHOLE	
STORM SEWER INLETS	
CPE GAS LINE	
CPE STREET LIGHT CABLE	
WIRE LOCATION	
WIRE/UT	

ABBREVIATIONS

CPE	CONCRETE PUMP
STL	STEEL
W.L.	WATER LINE
SAN	SANITARY SEWER LINE
SAN F.M.	SANITARY SEWER FORCE MAIN
STL	STEEL
W.L.	WATER LINE
S.S.L.	SANITARY SEWER LAYOUT
R.O.W.	RIGHT-OF-WAY
B.L.	BUILDING LINE
U.S.L.	UTILITY LAYOUT
R.O.W.	RIGHT-OF-WAY
B.L.	BUILDING LINE
S.S.L.	SANITARY SEWER LAYOUT

SEEDMENT CONTROL MEASURES

1. PROTECT PROPOSED INLETS WITH "SILT FENCE" INLET PROTECTION BARRIER (RFB) WHERE SHOWN.
2. PROTECT ALL INLETS IN PAVED ROADS WITH GRAVEL FILLED BAGS.
3. PROTECT BACKSLOPE SHALE OUTCROPS WITH REINFORCED FILTER FABRIC BARRIER CONSTRUCTION OF CONSTRUCTION AREA.
4. REINFORCED FILTER FABRIC BARRIER (RFB) SHALL BE CONSTRUCTED WITHIN THE EXISTING DRAINAGE CHANNELS AND SHALL BE MAINTAINED BY THE CONTRACTOR FOR AS LONG AS THE MATERIAL REMAINS STORED.
5. PROTECT EXISTING INLETS WITH FILTER FABRIC CLOTH PLACED BENEATH THE EXISTING ROAD SURFACE.
6. PLACE FILTER FABRIC FENCE ALONG EXISTING DRAINAGE CHANNELS AND GRADES IS PERFORMING UNTIL SOLID SOIL IS PLACED AND STABILIZED.



LEGEND

FILTER FABRIC INLET PROTECTION BARRIER (RFB)	
GRAVEL FILLED BAG	
REINFORCED FILTER FABRIC BARRIER (RFB) X	
STABILIZED CONSTRUCTION EXT	
FILTER FABRIC FENCE	
FILTER FABRIC BARRIER	

APPROVED: *Magister*
DEVELOPMENT COORDINATOR
DATE: 10/2/2016

BENCH MARK
BENCHMARK - FLOOD PLAIN ELEVATION MARK (FPE) SHOULD BE A BENCH MARK LOCATED ON THE EAST SIDE OF THE ROAD AT THE WEST END OF THE ROAD. FLOOD PLAIN ELEVATION MARK (FPE) SHOULD BE A BENCH MARK LOCATED ON THE EAST SIDE OF THE ROAD AT THE WEST END OF THE ROAD. FLOOD PLAIN ELEVATION MARK (FPE) SHOULD BE A BENCH MARK LOCATED ON THE EAST SIDE OF THE ROAD AT THE WEST END OF THE ROAD.

FLOOD PLAIN INFORMATION
THIS PROJECT LIES WITHIN SOME "F" (FLOODPLAIN) AREAS OUTSIDE THE 100-YEAR FLOOD PLAIN AS FOR THE CURRENT FLOOD PLAIN MAP DATED APRIL 2, 2014. THE NEAREST 100-YEAR FLOOD ELEVATION IS LOCATED AT SUGAR LAND-HOUSTON ROAD AT KEEGANS BAYOU. ELEVATION = 42.00. FLOOD PLAIN ELEVATION = 42.00. FLOOD PLAIN ELEVATION = 42.00.



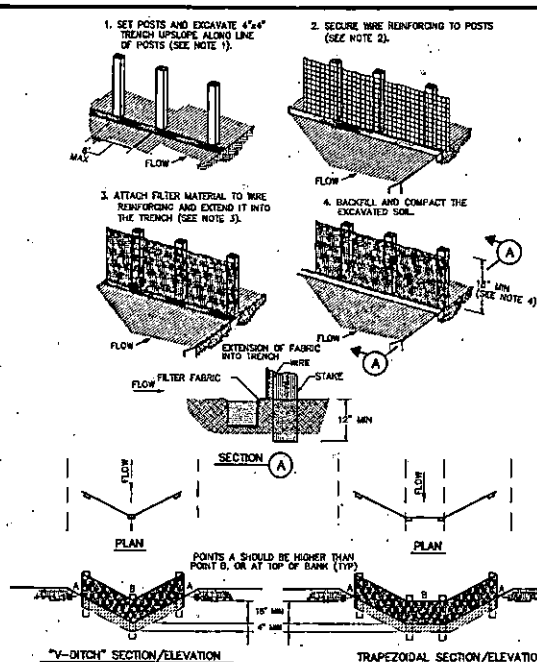
MILLER & ASSOCIATES
CONSULTING ENGINEERS & ARCHITECTS
P.O. BOX 11111
HOUSTON, TEXAS 77211-1111
PHONE 713/223-4567
FAX 713/223-4567

NOTICE
FOR YOUR PROTECTION, YOU ARE ADVISED THAT THE CITY OF HOUSTON HAS A POLICY OF NOT ENDORSING ANY PRIVATE UTILITY LINES. THE CITY OF HOUSTON HAS A POLICY OF NOT ENDORSING ANY PRIVATE UTILITY LINES. THE CITY OF HOUSTON HAS A POLICY OF NOT ENDORSING ANY PRIVATE UTILITY LINES.

STORM WATER POLLUTION PREVENTION PLAN
LAYOUT
STORM SEWER RECONSTRUCTION AND WATER LINE ADJUSTMENT WITHIN DOVER, SECTION ONE

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
FOR THE CITY OF HOUSTON USE ONLY

FILE NO: _____
DRAWING SCALE: 1" = 200'
SHEET: 14 OF 20
DATE: 10/2/2016

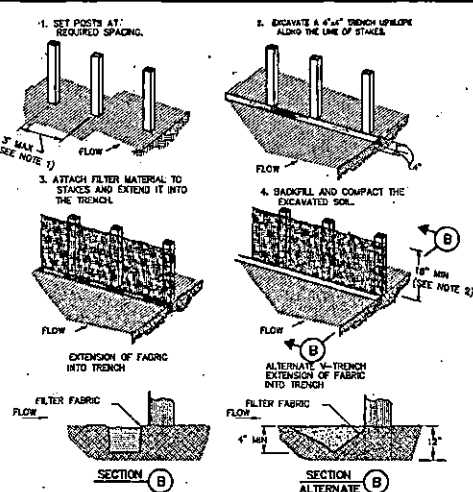
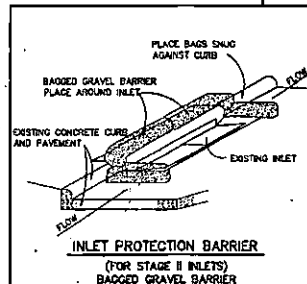


CONSTRUCTION NOTES:

1. SET 2 INCH BY 2 INCH WOODEN STAKES SPACED A MAX OF 6 FEET APART AND EMBEDDED A MIN OF 12 INCHES.
2. WOVEN WIRE REINFORCING TO BE FASTENED SECURELY TO BARRIER POSTS WITH STAPLES.
3. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE REINFORCING WITH TIES SPACED EVERY 24 INCHES AT TOP AND MIDDLE.
4. MINIMUM HEIGHT OF FILTER SHOULD BE 18 INCHES AND A MAXIMUM OF 36 INCHES ABOVE NATURAL GROUND.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 8 INCHES AT THE POSTS AND FOLDED.
6. SEE COM STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.

X (RFB) X
SYMBOL

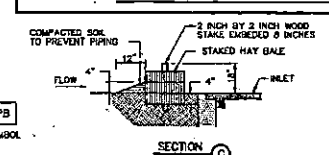
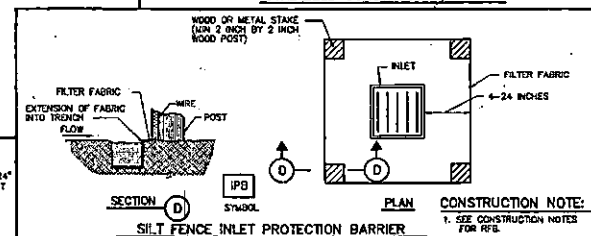
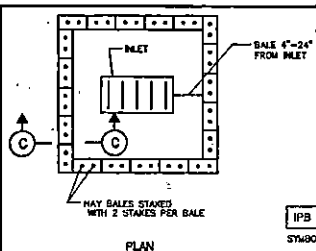
REINFORCED FILTER FABRIC BARRIER



CONSTRUCTION NOTES:

1. 2 INCH THICK BY 2 INCH WOODEN STAKES TO BE SET AT MAX SPACING OF 3 FEET AND EMBEDDED A MIN OF 8 INCHES. IF PREASSEMBLED BARRIER WITH SUPPORT NETTING IS USED, SPACING OF POST MAY BE INCREASED TO 6 FEET MAX.
2. ATTACH FILTER FABRIC TO WOODEN STAKES. FILTER FABRIC BARRIER SHALL HAVE A MIN HEIGHT OF 18 INCHES AND MAX HEIGHT OF 36 INCHES ABOVE NATURAL GROUND.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 8 INCHES AT THE POSTS AND FOLDED.
4. SEE COM STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.

FILTER FABRIC BARRIER



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

STORM WATER POLLUTION PREVENTION PLAN DETAILS (NOT TO SCALE)

APPROVED: [Signature]
CITY ENGINEER
DIRECTOR OF PUBLIC WORKS AND ENGINEERING
OFF DATE: JULY-01-2010 DWG NO: 01571-01



MILLER & ASSOCIATES
CONSULTING ENGINEERS
1904 FARRIS ROAD, SUITE 2000, HOUSTON, TEXAS 77058-1881
PHONE 713/777-0788 FAX 713/777-0361

KINGSBERRY MUNICIPAL UTILITY DISTRICT
HARRIS AND FORT BEND COUNTIES

STORM WATER POLLUTION PREVENTION PLAN DETAILS

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

APPROVED: [Signature]
CITY ENGINEER
DIRECTOR OF PUBLIC WORKS AND ENGINEERING
OFF DATE: JULY-01-2010 DWG NO: 01571-01

FILE NO: FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE

AS NOTED

SHEET 15 OF 20

APPROVED: [Signature]
DEVELOPMENT SUPERVISOR
DATE: 10/23/10

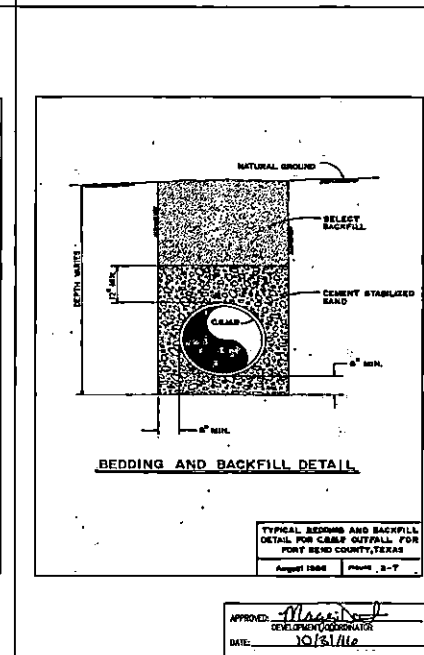
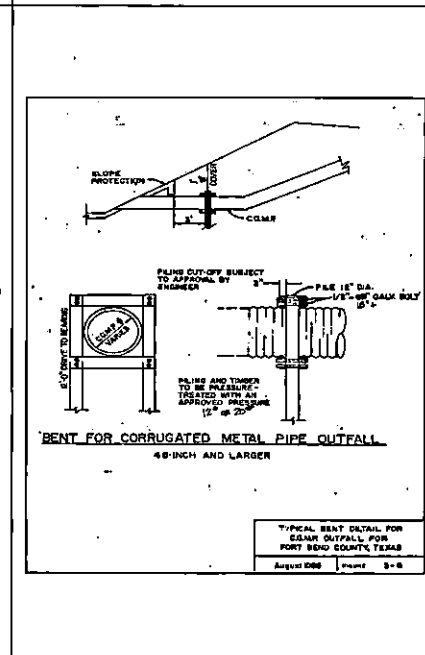
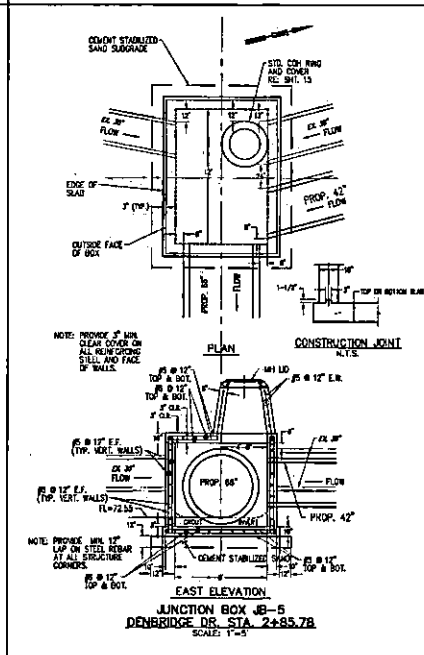
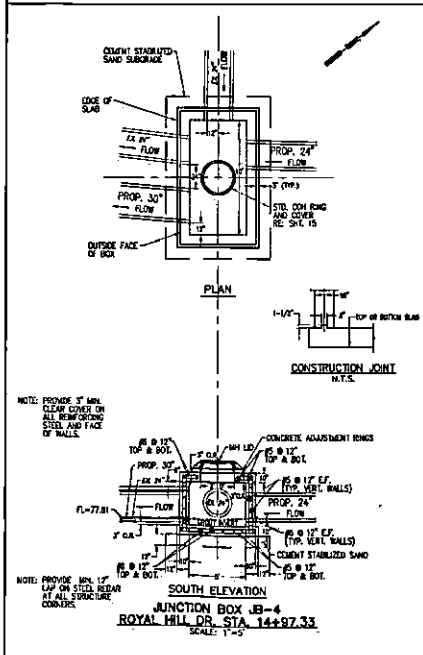
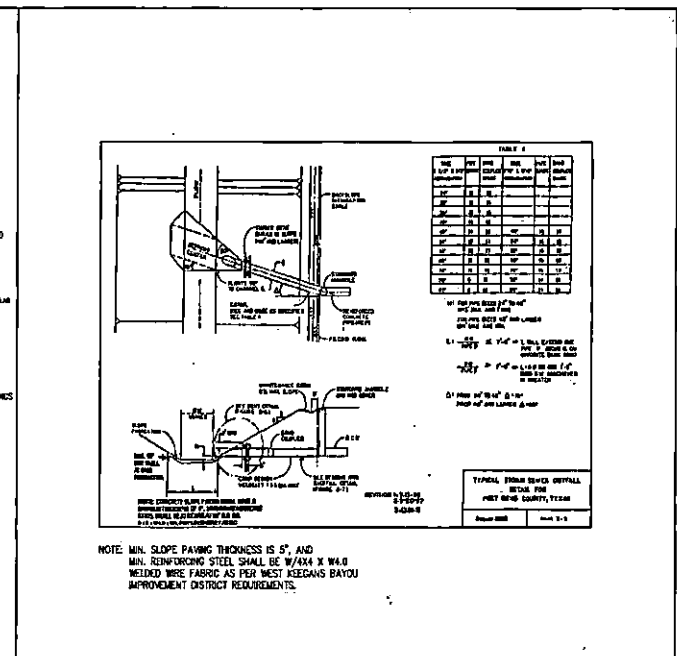
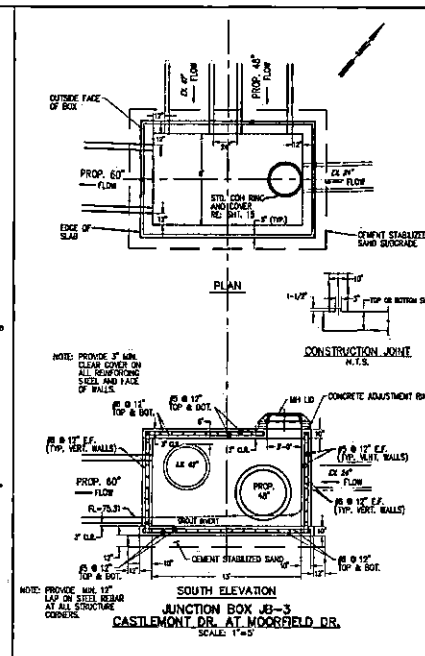
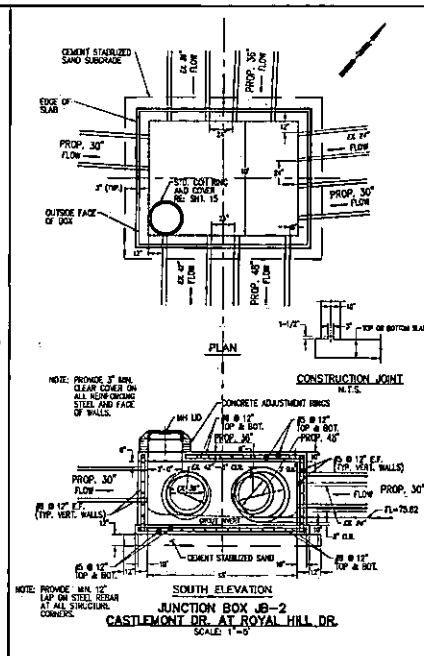
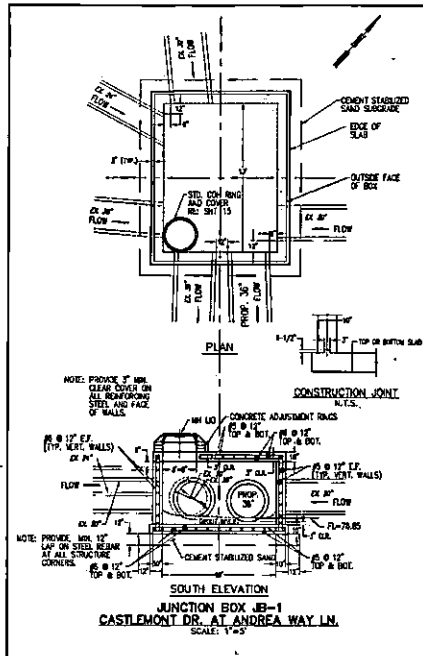


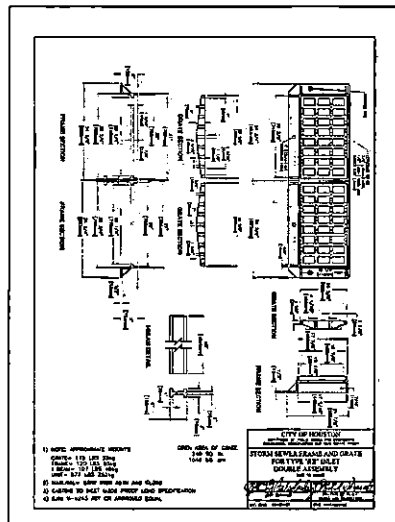
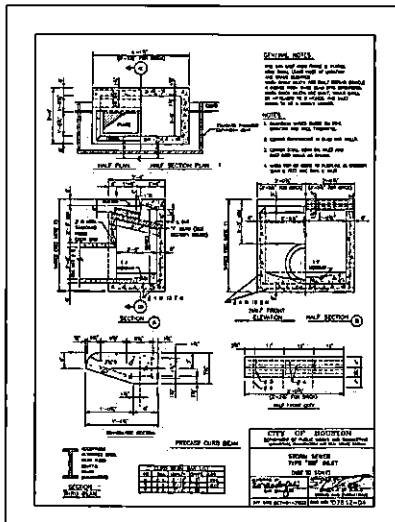
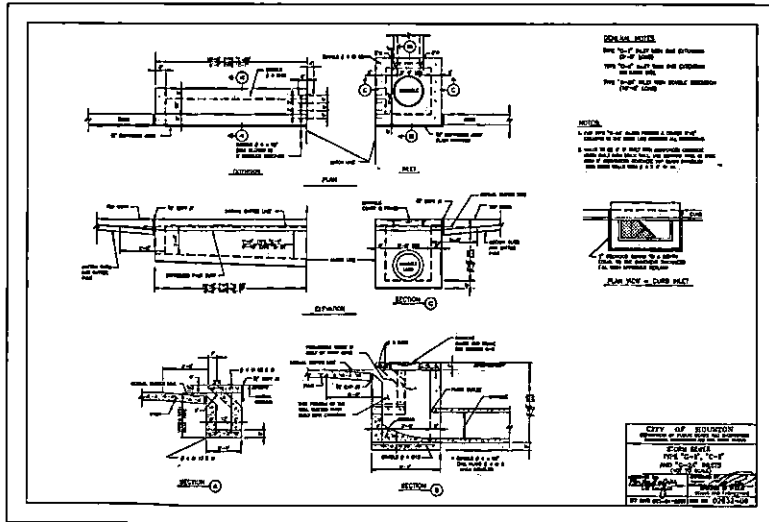
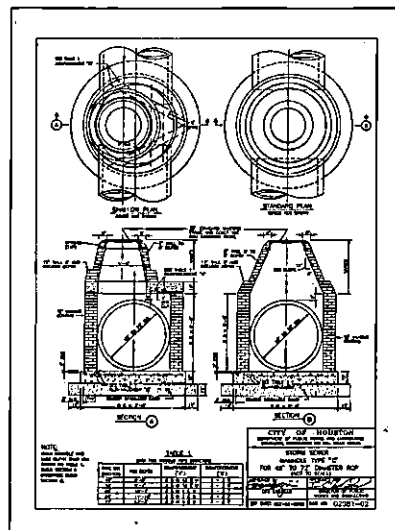
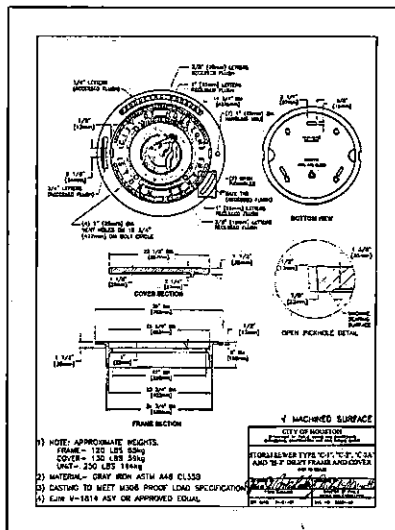
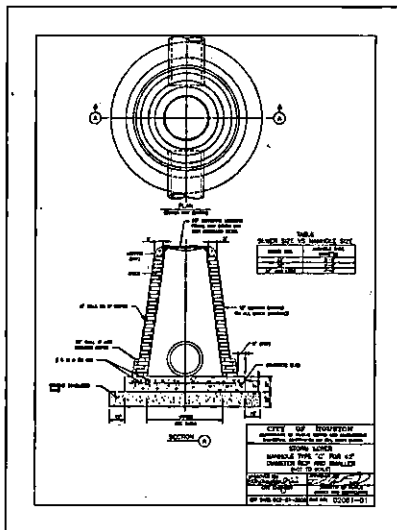
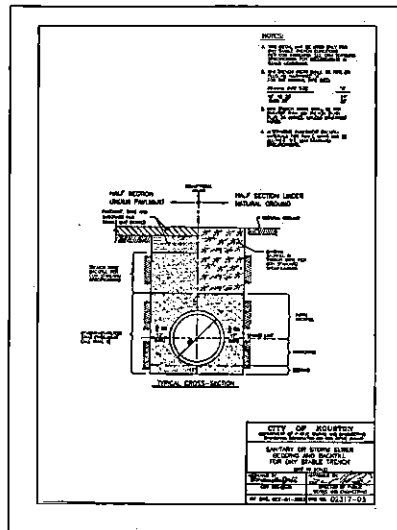
TABLE 1

NO.	DATE	BY	CHKD.	APP'D.	REVISION
1	10/1/11	DAVID E. MILLER			ISSUED FOR PERMIT
2	10/1/11	DAVID E. MILLER			REVISED FOR PERMIT
3	10/1/11	DAVID E. MILLER			REVISED FOR PERMIT
4	10/1/11	DAVID E. MILLER			REVISED FOR PERMIT
5	10/1/11	DAVID E. MILLER			REVISED FOR PERMIT
6	10/1/11	DAVID E. MILLER			REVISED FOR PERMIT
7	10/1/11	DAVID E. MILLER			REVISED FOR PERMIT
8	10/1/11	DAVID E. MILLER			REVISED FOR PERMIT
9	10/1/11	DAVID E. MILLER			REVISED FOR PERMIT
10	10/1/11	DAVID E. MILLER			REVISED FOR PERMIT

NOTE: MIN. SLOPE PAVING THICKNESS IS 5", AND MIN. REINFORCING STEEL SHALL BE W4X4 X W4.8 WELDED WIRE FABRIC AS PER WEST KEEGAN'S BAYOU IMPROVEMENT DISTRICT REQUIREMENTS.

APPROVED: *David E. Miller*
DATE: 10/1/11

FILE NO.: 56780
DRAWING SCALE: AS NOTED
SHEET NO.: 16 OF 20

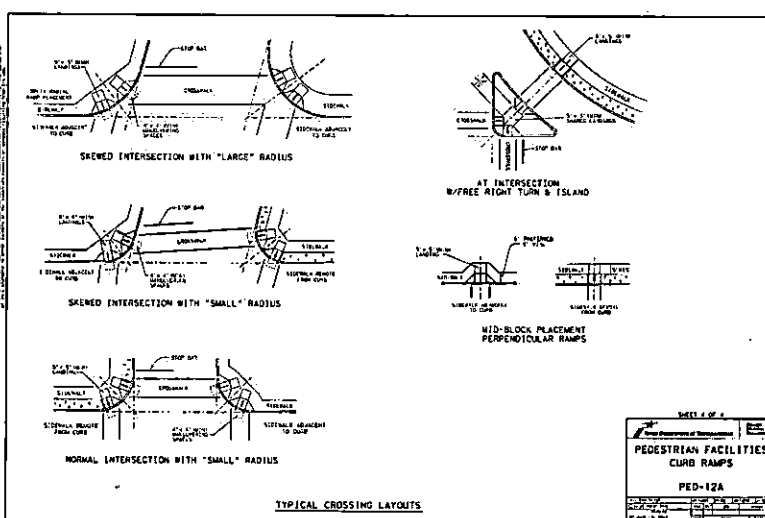
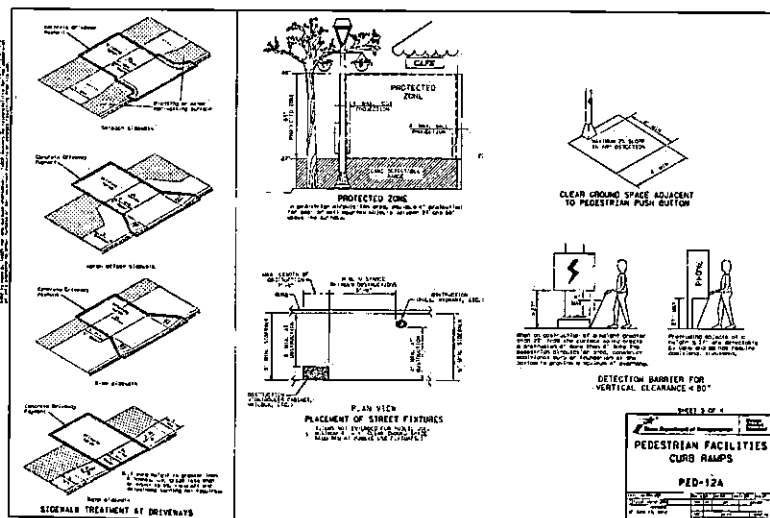
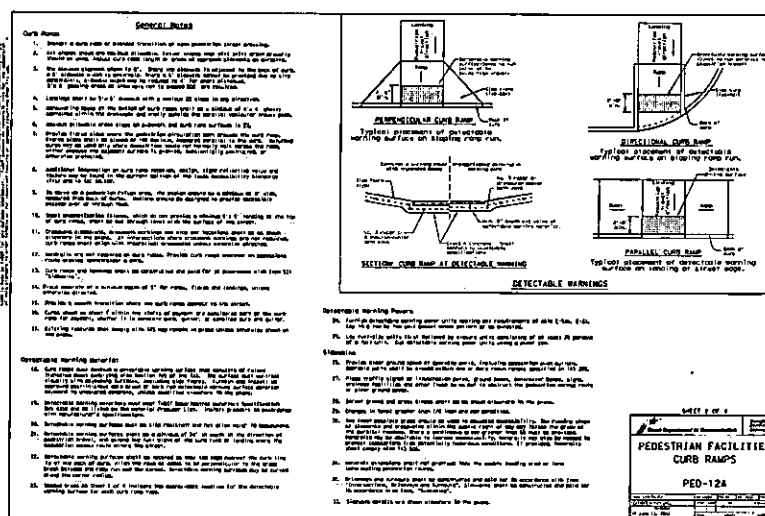
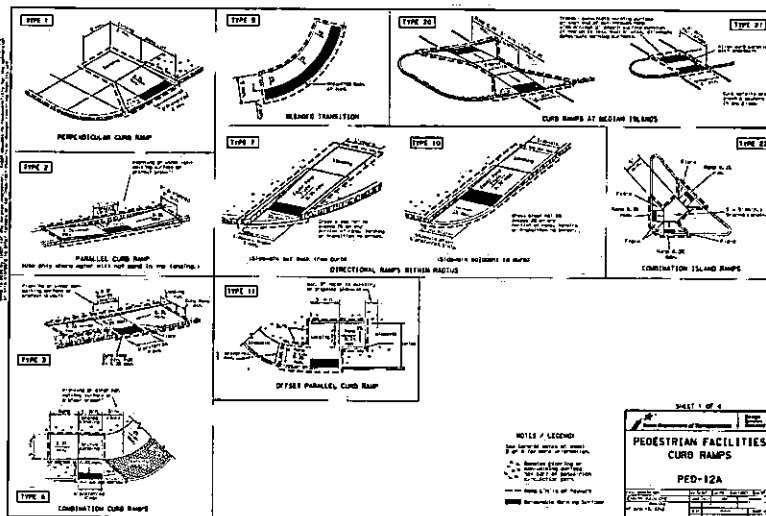


CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 STORM SEWER RECONSTRUCTION
 WITHIN DOVER, SECTION ONE
 DATE: 10/21/11

APPROVED: *[Signature]*
DATE: 10/21/11

FILE NO: *[Blank]*
DRAWING SCALE: *[Blank]*
AS NOTED
SHEET No. 17 of 20

50730



CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

PEDESTRIAN FACILITIES DETAILS

NOTES: CITY SIGNATURES VALID FOR ONE YEAR ONLY
OTHER SITES OF SIGNATURES

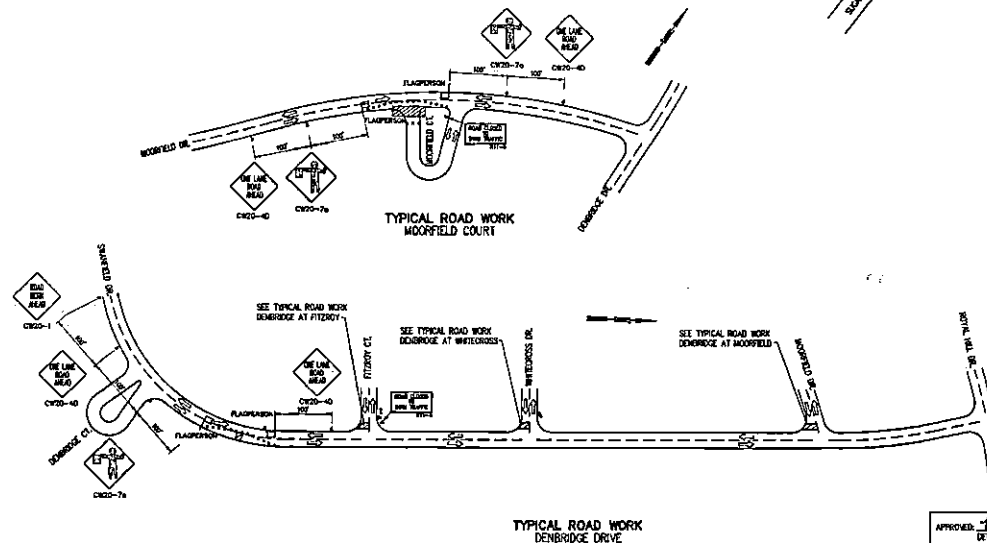
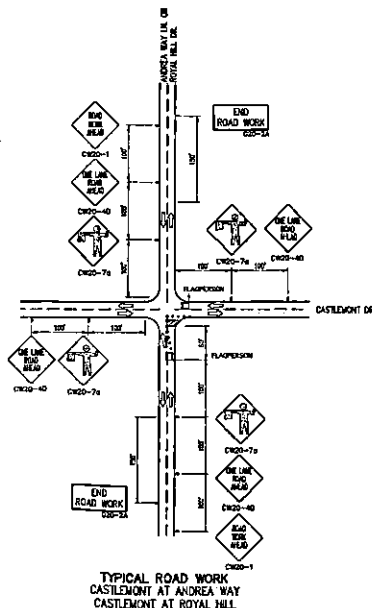
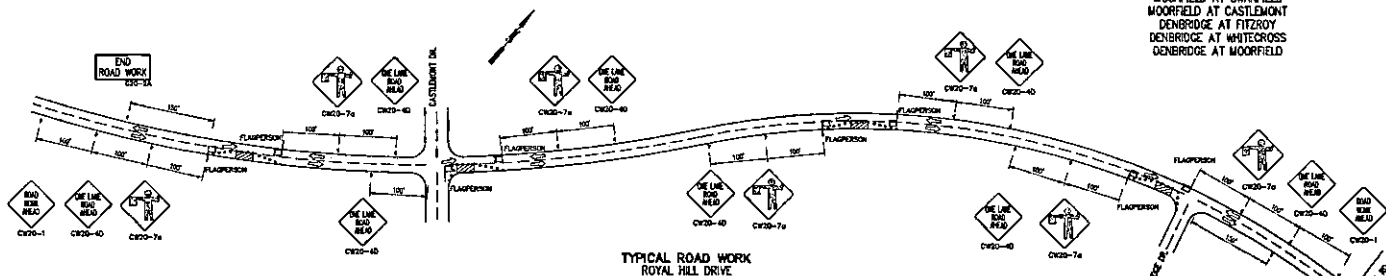
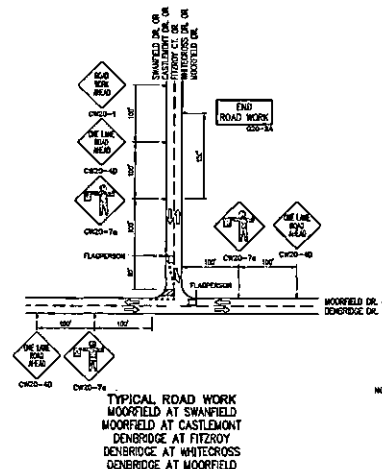
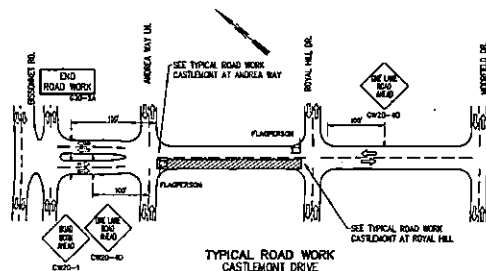
FILE NO: _____

DRAWING SCALE: _____

AS NOTED

SHEET No. 19 of 20

56790



NOTES

1. CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART 11 OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION WITH REVISIONS).
2. ALL ADVANCE WARNING SIGNS TO BE SET UP PRIOR TO START OF CONSTRUCTION ACTIVITIES AND TO REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE AND ACCEPTED BY THE ENGINEER. THE CONTRACTOR SHALL COORDINATE THE EXISTING ROUTES AND WITH THE FORT BEND COUNTY ENGINEERING DEPARTMENT IN ESTABLISHING TRAFFIC ROUTES AND LOCATION OF SIGNS.
3. ADVANCE WARNING SIGNS SHALL BE PLACED A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION TO AVOID OF POSSIBLE DELAY.
4. THE CONTRACTOR SHALL CONTACT THE FORT BEND COUNTY ENGINEERING DEPARTMENT AT 281/433-7514 PRIOR TO THE START OF CONSTRUCTION.
5. NO LANE SHALL BE CLOSED DURING THE HOURS OF 7:00 AM TO 8:00 AM AND 4:00 PM TO 8:00 PM.
6. CONTRACTOR SHALL MAINTAIN TRAFFIC LANE(S) ACCORDING TO TRAFFIC CONTROL PLANS DURING NON-WORKING HOURS.
7. CONTRACTOR SHALL COVER OPEN EXCAVATIONS WITH STEEL PLATES ANCHORED PROPERLY DURING NON-WORKING HOURS, AND OPEN LANE(S) FOR NORMAL TRAFFIC FLOW.
8. FLAGPERSON IS REQUIRED TO DIRECT TRAFFIC WHEN LANE(S) ARE CLOSED.
9. IF THE CONTRACTOR CHOOSES TO USE A DIFFERENT METHOD OF TRAFFIC CONTROL PLAN DURING THE CONSTRUCTION THAN WHAT IS OUTLINED IN THE CONTRACT DOCUMENTS, THEY SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT ALTERNATE PLANS TO THE ENGINEER FOR APPROVAL. THE WORKING DAYS PRIOR TO IMPLEMENTATION.

EXISTING POSTED SPEED LIMIT = 20 MPH.
CONSTRUCTION ZONE DESIGN SPEED LIMIT = 10 MPH.

NOTE: IN THE EVENT THAT A STREET MUST BE CLOSED MORE THAN 24 HOURS DUE TO A CUT UTILITY REPAIR, CONTRACTOR IS TO PROVIDE SIGNAGE, FLASHING LIGHTS, SIGNS, DETOURS SIGNS TO REDIRECT LOCAL TRAFFIC TO AN ALTERNATE ROUTE.

REPORT ALL STREET CLOSURES AND DETOURS TO THE FOLLOWING:

- A. FORT BEND COUNTY ENGINEERING DEPARTMENT
1411 WESLEY CRAWFORD
PHONE: 281-433-7514
- B. FORT BEND COUNTY ESD NO. 5
PHONE: 281-212-8233
- C. FORT BEND COUNTY TRANSPORTATION
PHONE: 281-433-1970
- D. FORT BEND COUNTY
PHONE: 281-433-7433

LEGEND

- WORK AREA
- SIGN POST
- TRAFFIC DIRECTION
- CHANNELIZING DEVICE
- FLAGPERSON



MILLER & ASSOCIATES
Engineers • Surveyors
1411 WESLEY CRAWFORD
FORT BEND COUNTY, TEXAS 77404
PHONE: 281-433-7514

KINGSBROOK MUNICIPAL UTILITY DISTRICT
HARRIS AND FORT BEND COUNTIES

STORM SEWER RECONSTRUCTION
AND WATER LINE ADJUSTMENTS
WITHIN DOVER, SECTION ONE
TRAFFIC CONTROL PLAN

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY
AFTER DATE OF SIGNATURES

CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING DATE: 10/31/16 DRAWN BY: [Signature] CHECKED BY: [Signature] IN CHARGE: [Signature]	
FILE NO.: DRAWING SCALE: 1" = 100' SHEET NO. 20 OF 20	FOR CITY OF HOUSTON USE ONLY 56750

APPROVED: [Signature]
DATE: 10/31/16