

REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

On this 7th day of June, 2016, Commissioners Court came on to be heard and reviewed the accompanying notice of MMG Contractors LLC
 Job Location 25151 Fulshear-Gaston Rd., Richmond, TX 77406
 Date 5/25/2016 Bond No. 58733572, Permit No. 2016-7378 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 Meizer, 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: Charles O. [Signature]
 County Engineer

By: N/A
 Drainage District Engineer/Manager

Presented to Commissioners Court and approved.
 Recorded in Volume 417/16 122
 Minutes of Commissioners Court

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

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

AUTHORIZED

BOND NO 58733572

THE STATE OF TEXAS §

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND §

THAT WE, MMG Contractors, LLC whose address is 1900 Charles Road, Houston, Texas 77093 Texas, hereinafter called the Principal, And Western Surety Company, a Corporation existing under and by virtue of the laws of the state of South Dakota and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at 5151 San Felipe, #1800, Houston, Texas 77056, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is Ron Bartulla, CNA Surety and Whose address is 5151 San Felipe, #1800, Houston, Texas 77056, 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, 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 20th day of May, 2016.

MMG Contractors, LLC

PRINCIPAL

BY

Western Surety Company

SURETY

BY Sharon Cavanaugh Attorney-in-Fact

#193638

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Beverly A Ireland, Kurt A Risk, Roxanne G Hebert, Sharen Groppell, Sharon Cavanaugh, Sue Kohler, Angela P Hyle, Anthony C Gruppo, Francine Hay, Misty Amaya, David R Groppell, Individually

of Houston, TX, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the By-Law printed on the reverse hereof, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 20th day of August, 2015.



WESTERN SURETY COMPANY

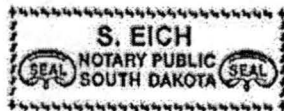
Paul T. Brufat

Paul T. Brufat, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 20th day of August, 2015, before me personally came Paul T. Brufat, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is the Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires
February 12, 2021



S. Eich

S. Eich, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law of the corporation printed on the reverse hereof is still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 20th day of May, 2016



WESTERN SURETY COMPANY

L. Nelson

L. Nelson, Assistant Secretary

Authorizing By-Law

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.



Western Surety Company

Figure: 28 TAC §1.601(a)(3)

1 IMPORTANT NOTICE

To obtain information or make a complaint:

2 You may contact Western Surety Company at 605-336-0850.

3 You may call Western Surety Company's toll-free telephone number for information or to make a complaint at:

1-800-331-6053

4 You may also write to Western Surety Company at:

P.O. Box 5077
Sioux Falls, SD 57117-5077

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

1-800-252-3439

6 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

7 PREMIUM OR CLAIM DISPUTES:

Should you have a dispute concerning your premium or about a claim you should contact Western Surety Company first. If the dispute is not resolved, you may contact the Texas Department of Insurance.

8 ATTACH THIS NOTICE TO YOUR POLICY:

This notice is for information only and does not become a part or condition of the attached document.

AVISO IMPORTANTE

Para obtener informacion o para someter una queja:

Puede comunicarse con Western Surety Company al 605-336-0850.

Usted puede llamar al numero de telefono gratis de Western Surety Company's para informacion o para someter una queja al:

1-800-331-6053

Usted tambien puede escribir a Western Surety Company:

P.O. Box 5077
Sioux Falls, SD 57117-5077

Puede comunicarse con el Departamento de Seguros de Texas para obtener informacion acerca de companias, coberturas, derechos o quejas al:

1-800-252-3439

Puede escribir al Departamento de Seguros de Texas:

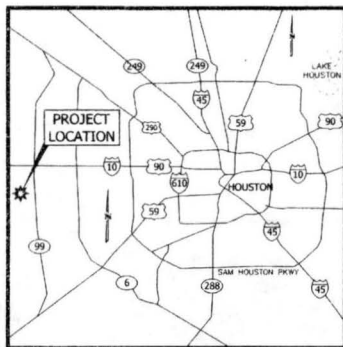
P.O. Box 149104
Austin, TX 78714-9104
Fax: (512) 475-1771
Web: <http://www.tdi.state.tx.us>
E-Mail: ConsumerProtection@tdi.state.tx.us

DISPUTAS SOBRE PRIMAS O RECLAMOS:

Si tiene una disputa concerniente a su prima o a un reclamo, debe comunicarse con el Western Surety Company primero. Si no se resuelve la disputa, puede entonces comunicarse con el departamento (TDI).

UNA ESTE AVISO A SU POLIZA: Este aviso es solo para proposito de informacion y no se convierte en parte o condicion del documento adjunto.

OUTSIDE CITY OF HOUSTON FORT BEND COUNTY MUD #142 CONSTRUCTION PLANS FOR PROPOSED 8" WATER LINE, PROPOSED 8" WASTEWATER SEWER LINE, AND PROPOSED 8" WATER LINE TAP RICHMOND, FORT BEND COUNTY, TX. 77406



LOCATION MAP
NOT TO SCALE
KEY MAP - 5242
LAMBERT GRID NO. 4353
TFCAD - R117910
ZIP CODE NO. 77406

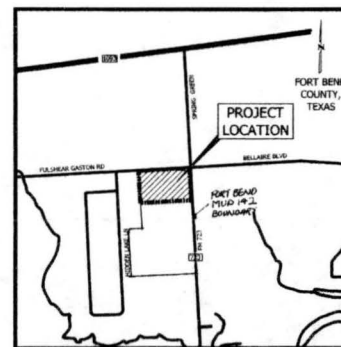
SHEET INDEX

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 OVERALL UTILITY PLAN
- 4 8" WATER LINE PLAN AND PROFILE
- 5 8" WATER LINE PLAN AND PROFILE
- 6 8" WATER LINE PLAN AND PROFILE
- 7 8" SANITARY SEWER PLAN AND PROFILE
- 8 8" SANITARY SEWER PLAN AND PROFILE
- 9 8" WATER LINE TAP PLAN AND PROFILE
- 10 CONSTRUCTION DETAILS
- 11 CONSTRUCTION DETAILS

ONE-CALL NOTIFICATION SYSTEM
CALL BEFORE YOU DIG!!!
(713) 423-4667 (IN HOUSTON)
(NEW STATEWIDE NUMBER OUTSIDE HOUSTON) 1-800-945-6005

NOTES:
1. 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.
PHONE NO. 832-334-6088

NO PROPOSED STORM SEWER WORK IS SHOWN ON THIS PLAN SET, NOR INCLUDED IN THIS WORK SCOPE.



VICINITY MAP
SCALE: 1"=2000'

RECORDING:
PROJECT BENCHMARK IS AN NGS SURVEY CONTROL POINT (D AN4480), DESIGNATION D 1212, BEING A BENCH MARK DISK STAMPED Q 1212 1973, ELEV=122.95, NAD83.

TBM:
TBM "A" IS A COT BOY ON A CONCRETE BASE OF A LIGHT POLE LOCATED APPROXIMATELY 25 FEET SOUTHWEST OF THE SOUTHWEST CORNER OF THE INTERSECTION OF FM 723 AND FULSHAM-GASTON ROAD. ELEV=122.48 FEET, NAD83. (AS SHOWN)

TBM "B" IS A RAILROAD SPIKE IN A POWER POLE LOCATED APPROXIMATELY 285 FEET WEST OF THE SOUTHWEST CORNER OF THE INTERSECTION OF FM 723 AND FULSHAM-GASTON ROAD. ELEV=123.06 FEET, NAD83. (AS SHOWN)

FLOODPLAIN INFORMATION:
ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), FLOOD INSURANCE RATE MAP (FIRM) FOR FORT BEND COUNTY, TEXAS MAP NO. 480703101S, REVISED (DATED APRIL 2, 2014), THE SUBJECT TRACT APPEARS TO BE WITHIN UNSHADED ZONE "X". THIS DETERMINATION WAS DONE BY GRAPHIC POSITIONING AND IS APPROXIMATE ONLY, AND HAS NOT BEEN FIELD VERIFIED. THIS FLOOD STATEMENT DOES NOT IMPLY THAT THE PROPERTY OR STRUCTURES THEREON WILL BE FREE FROM FLOODING OR FLOOD DAMAGE. ON RARE OCCASIONS FLOODS CAN AND WILL OCCUR AND FLOOD HEIGHTS MAY BE INCREASED BY AN-MADE OR NATURAL CAUSES. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF WINDROSE LAND SERVICES, INC.

APP.	REVISIONS	DATE

BIG RED DOG
ENGINEERING | CONSULTING
801 WINDSE PLACE, SUITE 300
HOUSTON, TEXAS 77019
(832) 736-1861
WWW.BIGREDDOG.COM
TEXAS REG. NO. 1-134615

CVS - RICHMOND
COVER SHEET

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

CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING	
NAME: <i>Andrew S. Strain</i> APPROVED: <i>Andrew S. Strain</i> DATE: <i>9/2/16</i> TITLE: <i>City Engineer</i> STREET & NUMBER:	SIGN WITH ONLY: _____ TITLES: _____ CITY ENGINEER: _____ FOR CITY OF HOUSTON (USE ONLY): _____
DIRECTOR OF PUBLIC WORKS AND ENGINEERING: _____ SHEET NO. 1 1 OF 11 SHEETS	



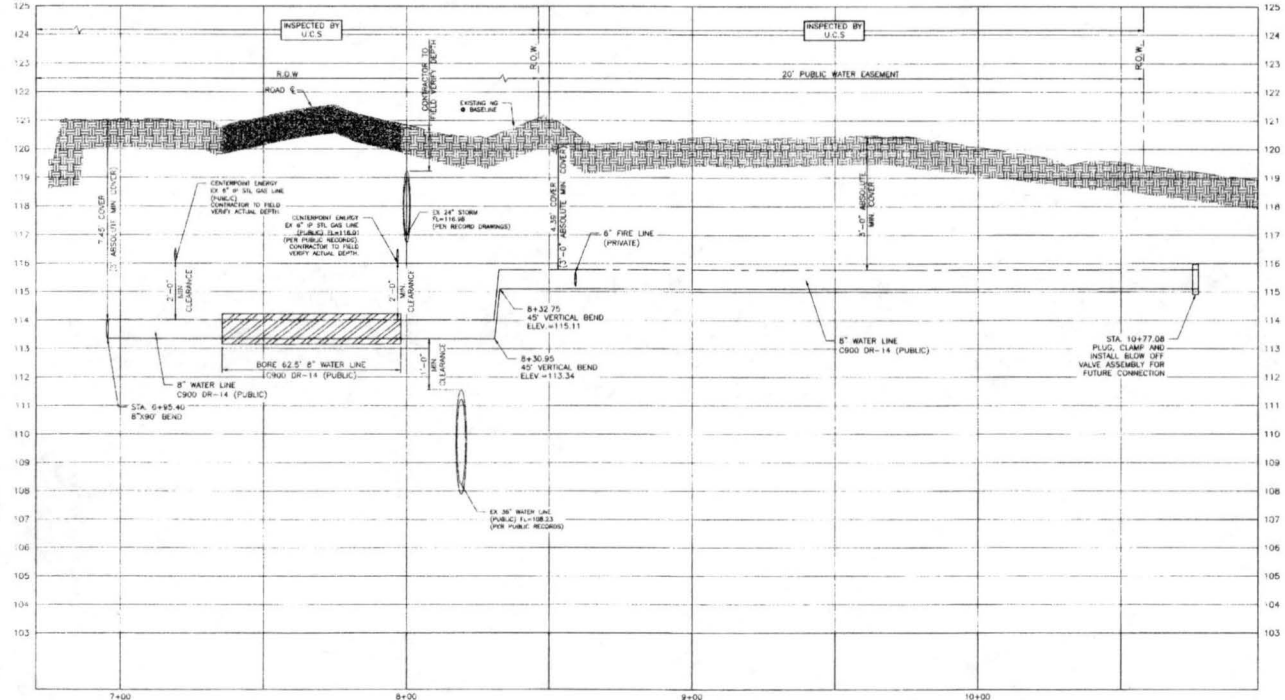
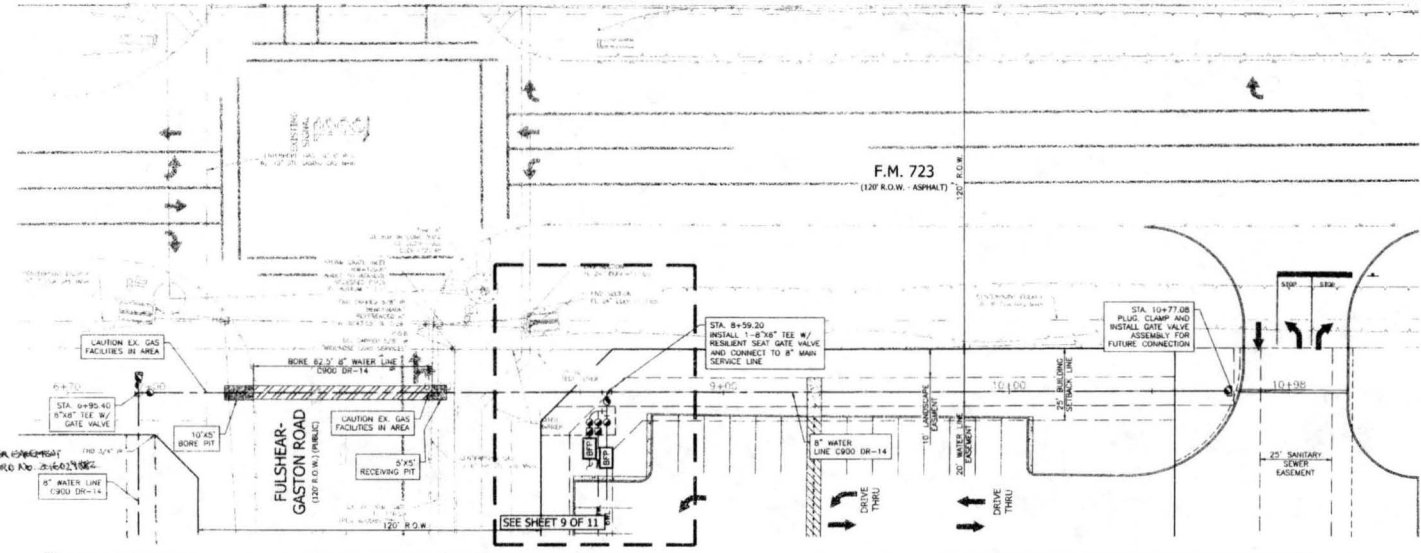
John P. [Signature] 9/2/16
DATE

FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NUMBER 142 ENGINEER.
SIGNATURE VALID FOR ONE (1) YEAR.

ELMS # *10-24* CON LOG # *1016065*

DATE PLOTTED: 9/2/16 10:33 AM
 PLOTTER: HP DesignJet T1100PS
 PLOT SCALE: 1"=2000'
 PLOT SHEET: 1 OF 11
 PLOT TITLE: OUTSIDE CITY OF HOUSTON FORT BEND COUNTY MUD #142 CONSTRUCTION PLANS FOR PROPOSED 8" WATER LINE, PROPOSED 8" WASTEWATER SEWER LINE, AND PROPOSED 8" WATER LINE TAP RICHMOND, FORT BEND COUNTY, TX. 77406

PLEASE RECYCLE



- NOTE:**
CONTRACTOR SHALL REFER TO COH SPEC 02.017 PRIOR TO WORK AROUND LARGE WATER LINES.
- CAUTION:**
CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- NOTE:**
FOR ALL WATER/WASTEWATER CROSSINGS, WATERLINE MUST BE INSTALLED A MINIMUM OF 1' ABOVE TO TOP OF THE WASTEWATER LINE.

TO AVOIDANCE FOR LINES TO BE SHOWN SET FOR WORK, CALL CENTER/AGENT AT 713-267-2222

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG.

VERIFICATION OF PRIVATE UTILITY LINES

[Signature] DATE: 10/20/16
CENTERPOINT ENERGY/NATURAL GAS FACILITIES VERIFICATION ONLY
(THIS SIGNATURE VERIFIES EXISTING UNDERGROUND FACILITIES - NOT TO BE USED FOR CONDUIT VERIFICATION) (SEE SERVICE LINES ARE NOT SHOWN) (SCHEDULE VALID FOR 36 MONTHS)

[Signature] DATE: 10/20/16
CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY
(THIS SIGNATURE VERIFIES EXISTING UNDERGROUND FACILITIES - NOT TO BE USED FOR CONDUIT VERIFICATION) (SCHEDULE VALID FOR 36 MONTHS)

[Signature] DATE: 10/20/16
APPROVED FOR STATE TRENCH/PIPING UNDERGROUND CONDUIT FACILITIES ONLY (SCHEDULE VALID FOR ONE YEAR)

APP: _____ REGION: _____ DATE: _____

BIG RED DOG
ENGINEERING & CONSULTING
901 BROOK PLACE, SUITE 300
HOUSTON, TEXAS 77019
(832) 720-1800
WWW.BIGREDDOG.COM
TX REG. NO. 17-12415

CVS - RICHMOND

BINCH WATER LINE - PLAN AND PROFILE
STA: 6+95.40 TO STA. 10+77.08

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

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

DATE: 5/2/16	DATE OF INSPECTION:
DESIGNED BY: Travis A. Johnson	DATE WHEN CHECKED:
CHECKED BY: [Signature]	DATE: 11/8/14
INVESTIGATED BY: Travis A. Johnson	DATE:

FILE NO: _____ FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE: _____

PROJECT NO: _____

SHEET NO: **6**

55847

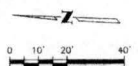
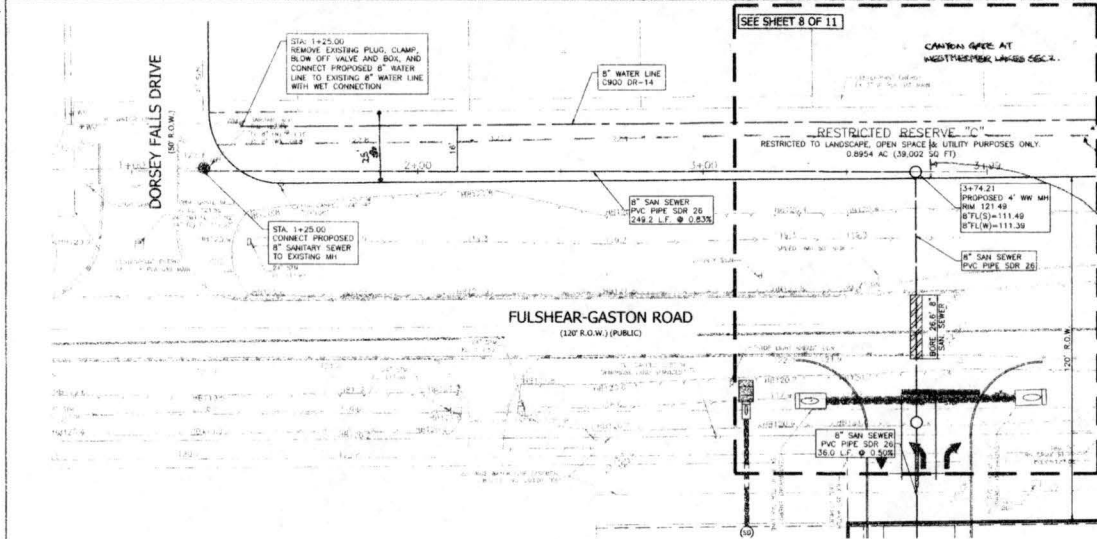
5 OF 11 SHEETS

[Signature] 5/2/16
DATE

FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NUMBER 142 ENGINEER,
SIGNATURE VALID FOR ONE (1) YEAR

LMS # 162784 CON LOG # 222222

PLEASE RECYCLE



RESERVE A, B, & C
OFFICIAL WARRANTY NEED
NO. 201108057
TO P.B.C. PLUD. NO. 1242

16' WATER EASEMENT
FB RECORD NO. 2016-027852

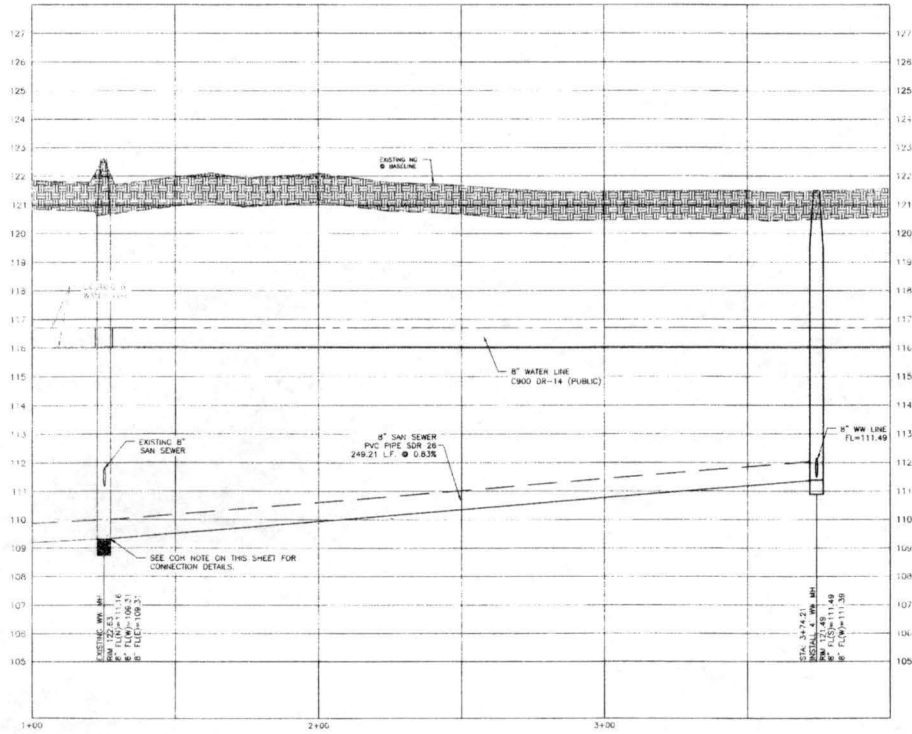
15' SAN. SEW. EASEMENT
FB RECORD NO. 2016-027831

CON. NOTE:
THE CONTRACTOR SHALL CONNECT PROPOSED 8" SANITARY SEWER TO SANITARY SEWER MANHOLE BY MEANS OF CORE AND BRICE AT SPECIFIED FLOWLINE. THE OPENING IN THE SIDE OF THE MANHOLE SHOULD BE MADE BY CORE AND BRICE AT SPECIFIED FLOWLINE. THE OPENING IN THE SIDE OF THE MANHOLE SHALL NOT BE MORE THAN 3 INCHES, NOR LESS THAN 1 INCH GREATER IN DIAMETER THAN THE OUTSIDE DIAMETER OF THE PROPOSED PIPE. THE PROPOSED PIPE SHALL NOT PROTRUDE MORE THAN 3 INCHES PAST THE INSIDE FACE OF THE MANHOLE WALL. FULL THE ENTIRE JOOD AROUND THE PROPOSED PIPE WITH NON-SHOWN WATERPROOF CEMENT. CONTRACTOR TO CONSTRUCT SLOPE AT INVERT OF MANHOLE UNDER POINT OF TEMPORARY SEWER CONNECTION. THE CONTRACTOR SHALL BRACE THE EXCAVATION AROUND THE EXISTING MANHOLE WITH CEMENT-SAND.

NOTE:
CONTRACTOR SHALL REFER TO CON. SPEC. 02.17 PRIOR TO WORK AROUND LARGE WATER LINES.

CAUTION:
CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

NOTE:
FOR ALL WATER/WASTEWATER CROSSINGS, WATERLINE MUST BE INSTALLED A MINIMUM OF 1' ABOVE TO TOP OF THE WASTEWATER LINE.



TO AVOID FIRE LINES TO BE TURNED OFF BE SURE CALL CENTERPOINT AT 713-271-2222.

NOTICE:
FOR YOUR SAFETY YOU ARE ADVISED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG.

VERIFICATION OF PRIVATE UTILITY LINES

DATE: 4/24/16

CENTERPOINT ENERGY/NATURAL GAS FACILITIES VERIFICATION ONLY
THIS SIGNATURE VERIFIES THAT YOU HAVE DONE ONE MEANS GAS LINES CORRECTLY - NOT TO BE USED FOR CONTACT VERIFICATION!
GAS SERVICE LINES ARE NOT BEING VERIFIED.
SIGNATURE VALID FOR SIX MONTHS.

DATE: 4/24/16

CENTERPOINT ENERGY/UNDERGROUND ELECTRICAL FACILITIES VERIFICATION ONLY
THIS SIGNATURE VERIFIES EXISTING UNDERGROUND FACILITIES - NOT TO BE USED FOR CONTACT VERIFICATION.
SIGNATURE VALID FOR SIX MONTHS.

DATE: 4/24/16

APPROVED FOR AT&T TEXAS/SMW UNDERGROUND CONDUIT FACILITIES ONLY. SIGNATURE VALID FOR ONE YEAR.

APP.	REVISIONS	DATE

BIG RED DOG
ENGINEERING & CONSULTING
801 RHODE PLACE, SUITE 200
HOUSTON, TEXAS 77019
(832) 736-1000
WWW.BIGREDDOG.COM
TEXAS REG. NO. 7-15415

CVS - RICHMOND

BINCH SANITARY SEWER - PLAN AND PROFILE
STA: 1+00 TO STA. 3+74.21

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

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

DATE: 5/6/16

DESIGNED BY: [Signature]

CHECKED BY: [Signature]

DATE: 5/6/16

FILE NO. [Blank]

FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE: [Blank]

APPROVAL: [Signature]

DATE: 5/6/16

SHEET NO. 7

7 OF 11 SHEETS

[Signature]

FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NUMBER 142 ENGINEER.
SIGNATURE VALID FOR ONE (1) YEAR.

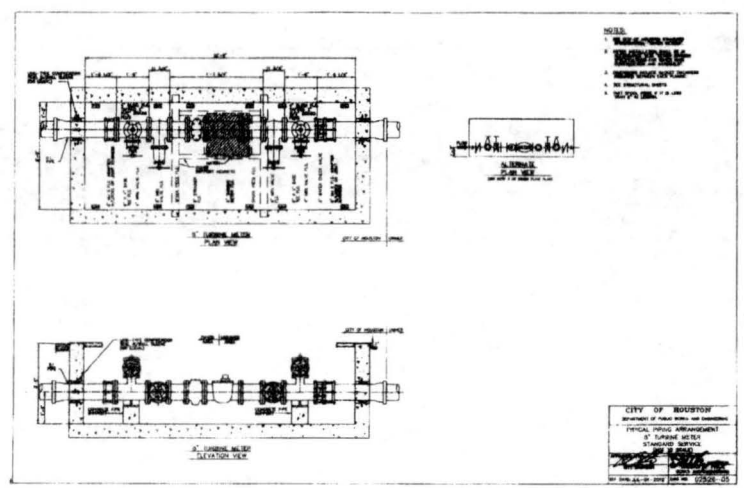
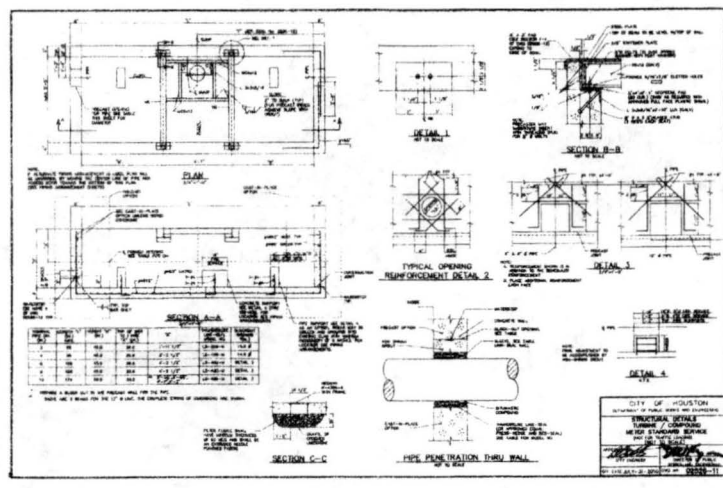
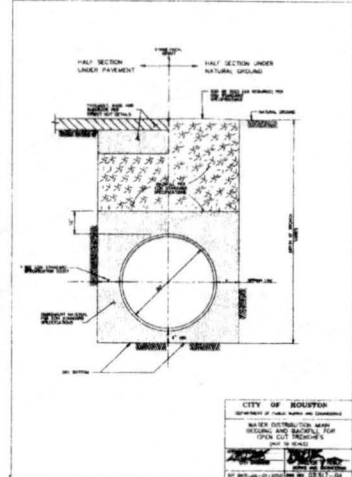
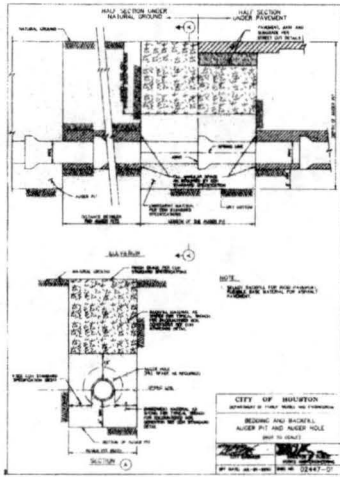
DATE: 5/6/16

KIMS # 2016027852 CON LOG # 2016027852

PIPE TAPPING SCHEDULE

PIPE SIZE	PIPE WALL THICKNESS	PIPE SCHEDULE	PIPE WEIGHT	PIPE LENGTH	PIPE WEIGHT
1/2"	0.045	40	1.1	10	11
3/4"	0.049	40	1.5	10	15
1"	0.053	40	1.9	10	19
1 1/4"	0.067	40	2.7	10	27
1 1/2"	0.075	40	3.1	10	31
2"	0.083	40	3.9	10	39
2 1/2"	0.091	40	4.7	10	47
3"	0.109	40	5.5	10	55
3 1/2"	0.117	40	6.3	10	63
4"	0.131	40	7.1	10	71
4 1/2"	0.139	40	7.9	10	79
5"	0.147	40	8.7	10	87
5 1/2"	0.155	40	9.5	10	95
6"	0.163	40	10.3	10	103
6 1/2"	0.171	40	11.1	10	111
7"	0.185	40	12.5	10	125
7 1/2"	0.193	40	13.3	10	133
8"	0.207	40	14.7	10	147
8 1/2"	0.215	40	15.5	10	155
9"	0.223	40	16.3	10	163
9 1/2"	0.231	40	17.1	10	171
10"	0.239	40	17.9	10	179
10 1/2"	0.247	40	18.7	10	187
11"	0.255	40	19.5	10	195
11 1/2"	0.263	40	20.3	10	203
12"	0.271	40	21.1	10	211
12 1/2"	0.279	40	21.9	10	219
13"	0.287	40	22.7	10	227
13 1/2"	0.295	40	23.5	10	235
14"	0.303	40	24.3	10	243
14 1/2"	0.311	40	25.1	10	251
15"	0.319	40	25.9	10	259
15 1/2"	0.327	40	26.7	10	267
16"	0.335	40	27.5	10	275
16 1/2"	0.343	40	28.3	10	283
17"	0.351	40	29.1	10	291
17 1/2"	0.359	40	29.9	10	299
18"	0.367	40	30.7	10	307
18 1/2"	0.375	40	31.5	10	315
19"	0.383	40	32.3	10	323
19 1/2"	0.391	40	33.1	10	331
20"	0.399	40	33.9	10	339
20 1/2"	0.407	40	34.7	10	347
21"	0.415	40	35.5	10	355
21 1/2"	0.423	40	36.3	10	363
22"	0.431	40	37.1	10	371
22 1/2"	0.439	40	37.9	10	379
23"	0.447	40	38.7	10	387
23 1/2"	0.455	40	39.5	10	395
24"	0.463	40	40.3	10	403
24 1/2"	0.471	40	41.1	10	411
25"	0.479	40	41.9	10	419
25 1/2"	0.487	40	42.7	10	427
26"	0.495	40	43.5	10	435
26 1/2"	0.503	40	44.3	10	443
27"	0.511	40	45.1	10	451
27 1/2"	0.519	40	45.9	10	459
28"	0.527	40	46.7	10	467
28 1/2"	0.535	40	47.5	10	475
29"	0.543	40	48.3	10	483
29 1/2"	0.551	40	49.1	10	491
30"	0.559	40	49.9	10	499
30 1/2"	0.567	40	50.7	10	507
31"	0.575	40	51.5	10	515
31 1/2"	0.583	40	52.3	10	523
32"	0.591	40	53.1	10	531
32 1/2"	0.599	40	53.9	10	539
33"	0.607	40	54.7	10	547
33 1/2"	0.615	40	55.5	10	555
34"	0.623	40	56.3	10	563
34 1/2"	0.631	40	57.1	10	571
35"	0.639	40	57.9	10	579
35 1/2"	0.647	40	58.7	10	587
36"	0.655	40	59.5	10	595
36 1/2"	0.663	40	60.3	10	603
37"	0.671	40	61.1	10	611
37 1/2"	0.679	40	61.9	10	619
38"	0.687	40	62.7	10	627
38 1/2"	0.695	40	63.5	10	635
39"	0.703	40	64.3	10	643
39 1/2"	0.711	40	65.1	10	651
40"	0.719	40	65.9	10	659
40 1/2"	0.727	40	66.7	10	667
41"	0.735	40	67.5	10	675
41 1/2"	0.743	40	68.3	10	683
42"	0.751	40	69.1	10	691
42 1/2"	0.759	40	69.9	10	699
43"	0.767	40	70.7	10	707
43 1/2"	0.775	40	71.5	10	715
44"	0.783	40	72.3	10	723
44 1/2"	0.791	40	73.1	10	731
45"	0.799	40	73.9	10	739
45 1/2"	0.807	40	74.7	10	747
46"	0.815	40	75.5	10	755
46 1/2"	0.823	40	76.3	10	763
47"	0.831	40	77.1	10	771
47 1/2"	0.839	40	77.9	10	779
48"	0.847	40	78.7	10	787
48 1/2"	0.855	40	79.5	10	795
49"	0.863	40	80.3	10	803
49 1/2"	0.871	40	81.1	10	811
50"	0.879	40	81.9	10	819

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
MISC STANDARD SPECIFICATIONS
SECTION 05110 - TAPPING
DATE: 11/10/09



TO ARRANGE FOR LINES TO BE TAPPED OR TO REMOVE CALL CENTER/STAFF AT 713-807-5222

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUESTED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG.

VERIFICATION OF PRIVATE UTILITY LINES

N/A DATE: _____
CENTERSPACE ENERGY/NATURAL GAS FACILITIES VERIFICATION ONLY
THIS SIGNATURE VERIFIES THAT YOU HAVE SEARCHED FOR PRIVATE GAS LINES CORRECTLY - NOT TO BE USED FOR COMPLET VERIFICATION
THIS SIGNATURE IS NOT VALID FOR 30 MONTHS

N/A DATE: _____
CENTERSPACE ENERGY/NATURAL GAS FACILITIES VERIFICATION ONLY
THIS SIGNATURE VERIFIES EXISTING UNDERGROUND FACILITIES - NOT TO BE USED FOR COMPLET VERIFICATION
THIS SIGNATURE IS NOT VALID FOR 30 MONTHS

N/A DATE: _____
FOR BEST PRACTICE UNDERGROUND CONDUIT FACILITIES ONLY - SIGNATURE VALID FOR ONE YEAR

APP: _____ REVISIONS: _____ DATE: _____

BIG RED DOG
ENGINEERING & CONSULTING
951 BRIDGE PLACE, SUITE 200
HOUSTON, TEXAS 77019
(832) 736-1101
WWW.BIGREDDOG.COM
TEXAS REG. NO. F-15415

CVS - RICHMOND

CONSTRUCTION DETAILS

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

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

DATE: 5/10/16
DRAWN BY: [Signature]
CHECKED BY: [Signature]
IN CHARGE: [Signature]

FILE NO: _____ FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE: _____

REVISION: N/A

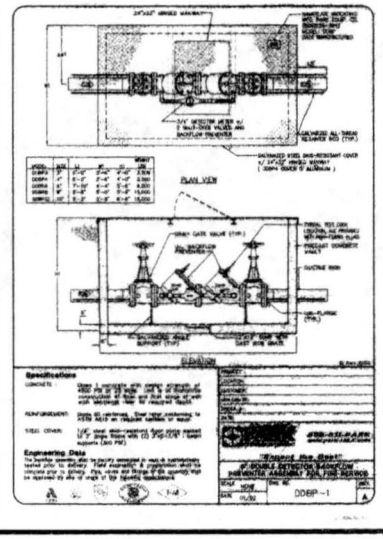
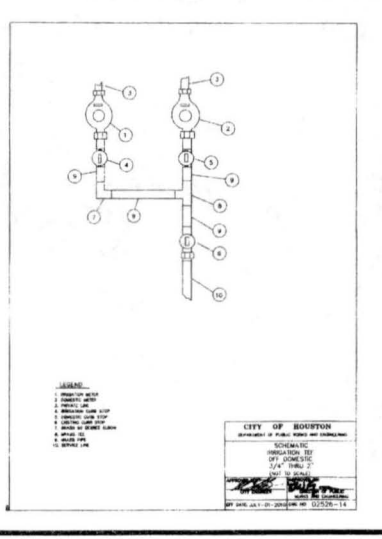
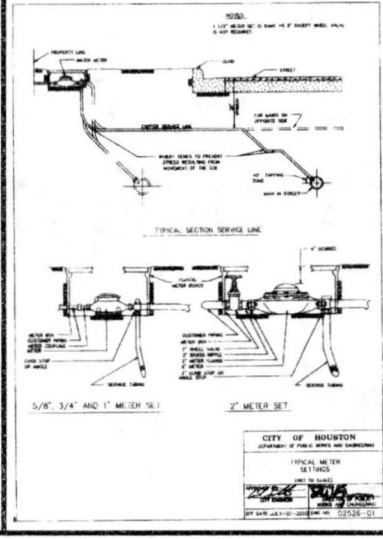
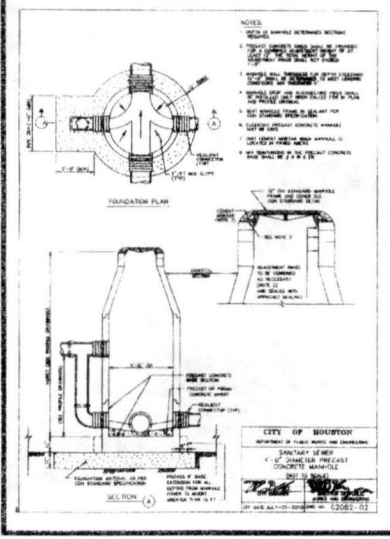
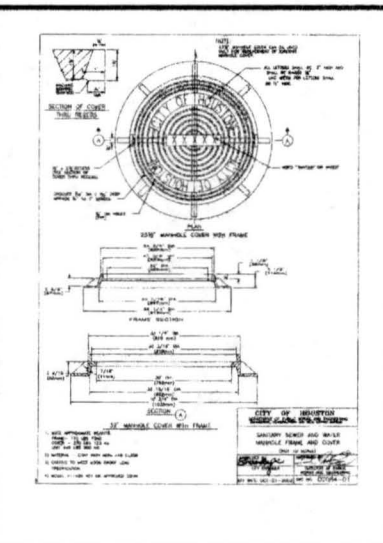
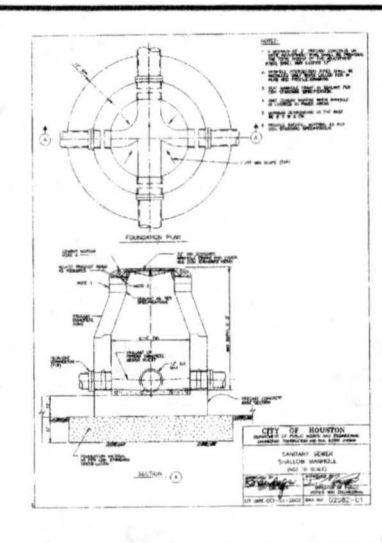
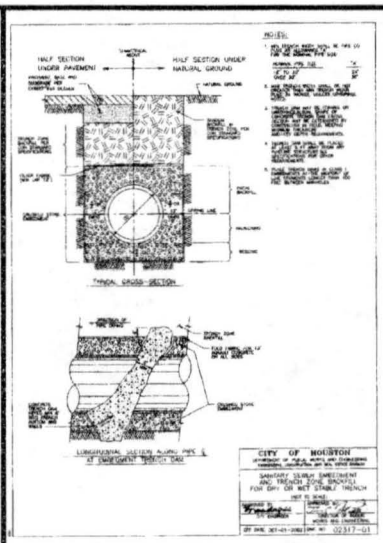
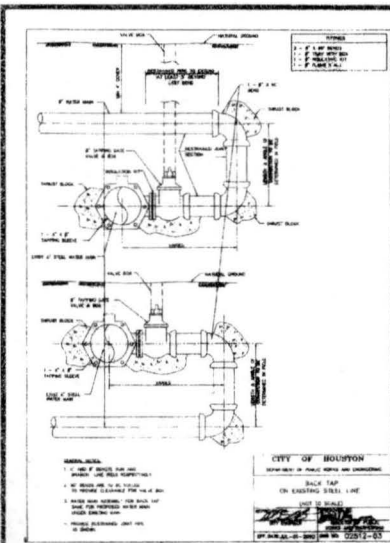
DATE: N/A

SHEET NO: **10**

10 OF 11 SHEETS

5/10/16
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NUMBER 142 ENGINEER
SIGNATURE VALID FOR ONE (1) YEAR

ELMS # 105156; COB LOG # 1199228



NOTICE:
FOR YOUR SAFETY, YOU ARE REQUESTED BY STATE LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG.
VERIFICATION OF PRIVATE UTILITY LINES

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUESTED BY STATE LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG.
VERIFICATION OF PRIVATE UTILITY LINES

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUESTED BY STATE LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG.
VERIFICATION OF PRIVATE UTILITY LINES

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUESTED BY STATE LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG.
VERIFICATION OF PRIVATE UTILITY LINES

BIG RED DOG
ENGINEERING | CONSULTING
801 RHODE PLACE, SUITE 300
HOUSTON, TEXAS 77019
(832) 730-1901
www.bigredog.com
TEXAS REG. NO. 1-13415

CVS-RICHMOND
CONSTRUCTION DETAILS

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

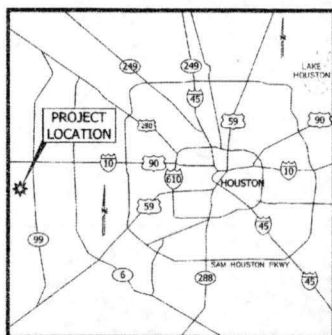
Handwritten signature
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NUMBER 142 ENGINEER
SIGNATURE VALID FOR ONE (1) YEAR

DATE: 5/6/16

SHEET NO. 11
OF 11 SHEETS



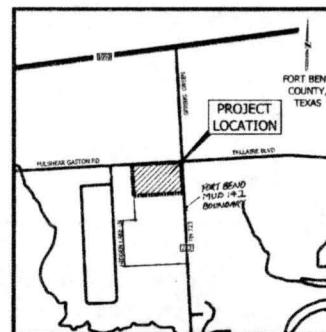
OUTSIDE CITY OF HOUSTON FORT BEND COUNTY MUD #142 CONSTRUCTION PLANS FOR PROPOSED 8" WATER LINE, PROPOSED 8" WASTEWATER SEWER LINE, AND PROPOSED 8" WATER LINE TAP RICHMOND, FORT BEND COUNTY, TX. 77406



LOCATION MAP
NOT TO SCALE
KEY MAP - 5242
LAMBERT GRID NO. 4353
FBCAD - R117910
ZIP CODE NO. 77456

SHEET INDEX

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 OVERALL UTILITY PLAN
- 4 8" WATER LINE PLAN AND PROFILE
- 5 8" WATER LINE PLAN AND PROFILE
- 6 8" WATER LINE PLAN AND PROFILE
- 7 8" SANITARY SEWER PLAN AND PROFILE
- 8 8" SANITARY SEWER PLAN AND PROFILE
- 9 8" WATER LINE TAP PLAN AND PROFILE
- 10 CONSTRUCTION DETAILS
- 11 CONSTRUCTION DETAILS



VICINITY MAP
SCALE: 1"=2000'

ONE-CALL NOTIFICATION SYSTEM
CALL BEFORE YOU DIG!!
(713) 223-4667 (IN HOUSTON)
(NEW STATEWIDE NUMBER OUTSIDE HOUSTON) 1-800-545-6005

NOTES:
1. 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.
PHONE: 1-800-545-6005

NO PROPOSED STORM SEWER WORK IS SHOWN ON THIS PLAN SET, NOR INCLUDED IN THIS WORK SCOPE.



[Signature]
FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NUMBER 142 ENGINEER.
SIGNATURE VALID FOR ONE (1) YEAR

09/21/16
DATE

806 & 807 BIGHORN LOG # 1078065

BENCHMARK:
PROJECT BENCHMARK IS AN NGS SURVEY CONTROL POINT (1) ANTI-CORROSION D 1212, BEING A BENCH MARK (BM) STAMPED D 1212 1073, ELEV= 122.85, NAD83.

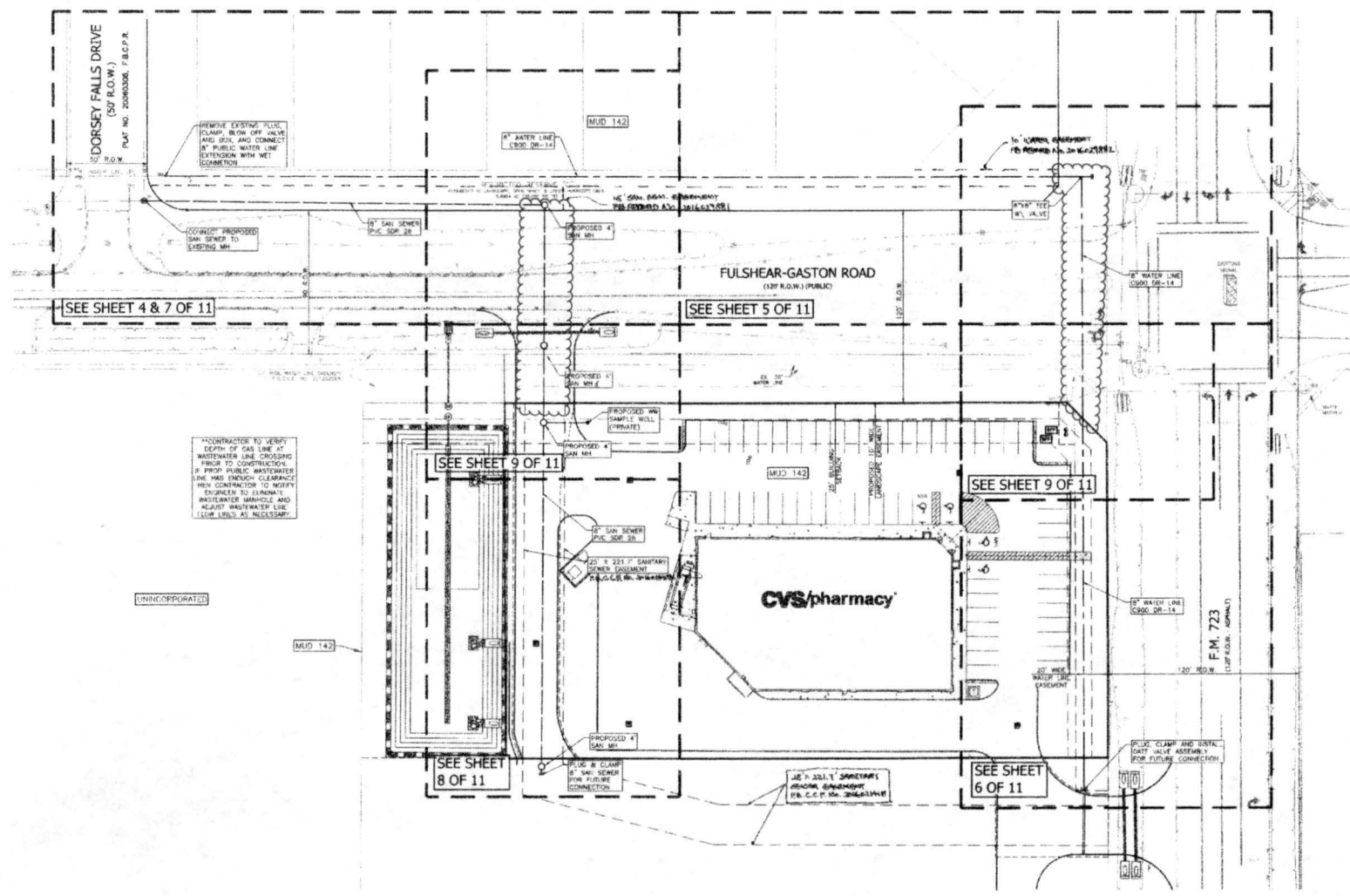
TBM:
TBM "51" IS A CUT BOX ON A CONCRETE BASE, IN A LIGHT POLE, LOCATED APPROXIMATELY 25 FEET SOUTHWEST OF THE SOUTHWEST CORNER OF THE INTERSECTION OF FM 1223 AND FULSHEAR-GASTON ROAD. ELEV=122.48 FEET. NAD83 (1/2 SHOWN).

TBM "8" IS A WELDED STEEL PIPE POWER WELL LOCATED APPROXIMATELY 285 FEET WEST OF THE SOUTHWEST CORNER OF THE INTERSECTION OF F 723 AND FULSHEAR-GASTON ROAD. ELEV=123.08 FEET. NAD83 (1/2 SHOWN).

FLOODPLAIN INFORMATION:
ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), FLOOD INSURANCE RATE MAP (FIRM) FOR FORT BEND COUNTY, TEXAS MAP NO. 4801-0017-10, REVISED DATED APRIL 2, 2014, THE SUBJECT TRACT APPEARS TO BE WITHIN (UNSHADED) ZONE "X". THIS DETERMINATION WAS DONE BY GRAPHIC FLOODING AND IS APPROXIMATE ONLY, AND HAS NOT BEEN FIELD VERIFIED. THIS FLOOD STATEMENT DOES NOT IMPLY THAT THE PROPERTY OR STRUCTURES THEREON WILL BE FREE FROM FLOODING OR FLOOD DAMAGE, OR FROM OCCASIONAL FLOODS AND WILL OCCUR AND FLOOD HEIGHTS MAY BE INCREASED BY ANIMATE OR NATURAL CAUSES. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY FOR THE PART OF ENGINEERING LINC SERVICES, INC.

DATE	REVISION	DATE
CIVIL ENGINEER CIVIL ENGINEER COVER SHEET		
NOTE: CIVIL ENGINEER'S VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURE.		
CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING		
NAME: <i>[Signature]</i> TITLE: <i>[Signature]</i> SIGNATURE: <i>[Signature]</i> DATE: 09/21/16	REVIEWER: <i>[Signature]</i> TITLE: <i>[Signature]</i> SIGNATURE: <i>[Signature]</i> DATE: 09/21/16	FOR CITY OF HOUSTON USE ONLY CITY ENGINEER: <i>[Signature]</i> DATE: 09/21/16 58647 1 OF 11 SHEETS

PLEASE RECYCLE



CONTRACTOR TO VERIFY DEPTH OF GAS LINE AT WASTEWATER LINE CROSSING PRIOR TO CONSTRUCTION. IF PROP PUBLIC WASTEWATER LINE HAS ENOUGH CLEARANCE, THE CONTRACTOR TO NOTIFY ENGINEER TO FINALIZE WASTEWATER MANHOLE AND ADJUST WASTEWATER LINE CLEARANCE AS NECESSARY.

CON. NOTE:
 THE CONTRACTOR SHALL CONTACT PROPRIETARY 8" SANITARY SEWER TO SANITARY SEWER MANHOLE BY MEANS OF 2" DIA AND BOOT AT SPECIFIED FLOWLINE. THE OPENING IN THE SIDE OF THE MANHOLE BY MEANS OF 2" DIA AND BOOT AT SPECIFIED FLOWLINE. THE OPENING IN THE SIDE OF THE MANHOLE SHALL NOT BE MORE THAN 3 INCHES NEAR LESS THAN 1 INCH GREATER IN DIAMETER THAN THE OUTSIDE DIAMETER OF THE PROPOSED PIPE. THE PROPOSED PIPE SHALL NOT PROTRUDE MORE THAN 1 INCHES PAST THE INSIDE FACE OF THE MANHOLE. ALL FILL THE EXISTING VOID AROUND THE PROPOSED PIPE WITH NON-COMBUSTIBLE WATERPROOF GROUT. CONTRACTOR TO MAINTAIN UNDER POINT OF SANITARY SEWER CONNECTION. THE CONTRACTOR SHALL BACKFILL THE EXCAVATION AROUND THE EXISTING MANHOLE WITH CEMENT SAND.

NOTE:
 CONTRACTOR SHALL REFER TO COM SPEC 02117 PRIOR TO WORK AROUND LARGE WATER LINE.

CAUTION:
 CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

NOTE:
 FOR ALL WATER/WASTEWATER CROSSINGS, WATERLINE MUST BE INSTALLED 4 INCHES OR 11 INCHES TO TOP OF THE WASTEWATER LINE.

TO ARRANGE FOR LINES TO BE LINED USE OF WORKS SHALL COMPLY WITH 11-201-2202

NOTICE:
 FOR YOUR SAFETY, YOU ARE REQUESTED TO PLEASE CALL TO VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

VERIFICATION OF PRIVATE UTILITY LINES

CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

CONTRACTOR TO VERIFY ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

APP: _____ REVISION: _____ DATE: _____

BIG RED DOG
 ENGINEERING CONSULTING
 801 RABBIT PLACE, SUITE 300
 HOUSTON, TEXAS 77078
 (281) 770-1100
 WWW.BIGREDDOG.COM
 TEXAS REG. NO. 1041615

CVS - RICHMOND

OVERALL UTILITY SITE PLAN

THIS CITY SIGNATURE VALID FOR ONE YEAR AFTER DATE OF SIGNATURE.

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

DATE: 5/9/16
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 DESIGNED BY: [Signature]
 PROJECT NO: [Number]
 SHEET NO: 3
 OF 11 SHEETS

DATE: 5/9/16

ENGINEER: [Signature]

FOR CITY OF HOUSTON USE ONLY

55847

5/9/16 DATE

FOR TARRANT COUNTY MUNICIPAL UTILITY DISTRICT NUMBER 142 ENGINEER

SIGNATURE VALID FOR ONE (1) YEAR