

**REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT**

On this 6th day of October, 2015, Commissioners Court came on to be heard and reviewed the accompanying notice of D.L. Elliott Enterprises, Inc.

Job Location Riverwood Drive, Rosenberg, TX 77469

Date 9/22/2015 Bond No. 58S206994, Permit No. 2015-3208 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 Mejers, seconded by Commissioner Morrison, 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: Rick J Stangle, PE, PTOE  
 For County Engineer

By: N/A  
 Drainage District Engineer/Manager

Presented to Commissioners Court and approved.  
 Recorded in Volume 10/6/15  
 Minutes 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. 58S206994

THE STATE OF TEXAS

§

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND

§

THAT WE, D.L. Elliott Enterprises, Inc. whose address is 11104 W. Airport, Suite 101, Stafford, TX 77477 Texas, hereinafter called the Principal, And Liberty Mutual Insurance Company, a Corporation existing under and by virtue of the laws of the state of Massachusetts and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at Plymouth Meeting, Pennsylvania, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is and whose address is 13201 NW Freeway, Suite 810, 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 <sup>Thirty Four Thousand Three Hundred Two</sup> and 00/100 Dollars (\$ 34,302.00 ) 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 16th day of September, 2015.

D.L. Elliott Enterprises, Inc.  
PRINCIPAL

BY Liberty Mutual Insurance Company

SURETY

BY Alicia Cantavella

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. 7083237

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, Alicia Cantavella; Cheryl A. Sanders; Dennis M. Descant, Jr.; Jeffrey Lee Brady

all of the city of Houston, 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 12th day of August, 2015.



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 12th day of August, 2015, 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.



COMMONWEALTH OF PENNSYLVANIA  
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 16th day of SEPTEMBER, 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 ABOUT THIS BOND OR TO MAKE A COMPLAINT:

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

800-252-3439

You may write the Texas Department of Insurance at:

P. O. Box 149104  
Austin, TX 78714-9104

Your notice of claim against the attached bond may be given to the Surety Company that issued the bond by sending it to the following address:

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

You may contact the claim office by telephone at:

610-832-8240

Premium or Claim Disputes

If 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.

*This notice is for information purposes only and does not become a part of or a condition of the attached document. It is given to comply with Section 2253.048, Government Code, and Section 53.202, Property Code, Effective September 1, 2001*

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

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

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Gregory W. Davenport, Assistant Secretary

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## Important Notice

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You may write the Texas Department of Insurance at:

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Austin, TX 78714-9104

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450 Plymouth Road, Suite 400  
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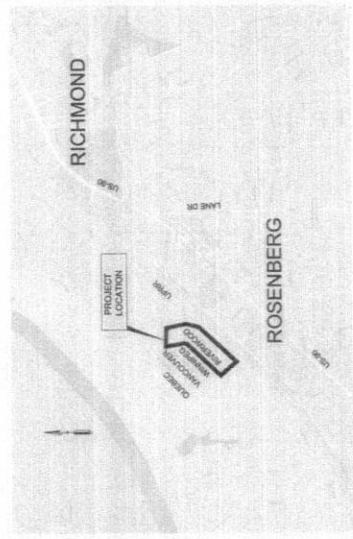
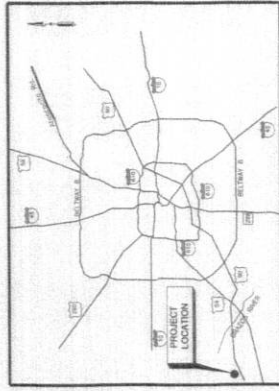
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# FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO.19 WATER LINE REPLACEMENT PHASE THREE TO SERVE **RIVERWOOD VILLAGE** **SECTION ONE** FORT BEND COUNTY, TEXAS



## DRAWING INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	OVERALL SHEET LAYOUT
3	RIVERWOOD DRIVE PLAN & PROFILE 0+00 TO 8+00
4	RIVERWOOD DRIVE PLAN & PROFILE 5+00 TO 9+00
5	RIVERWOOD DRIVE PLAN & PROFILE 9+00 TO END
R-1	GENERAL NOTES
R-2	WATERLINE DETAIL SHEET 1 OF 2
R-3	WATERLINE DETAIL SHEET 2 OF 2
R-6	PAVING DETAIL
10	TRAFFIC CONTROL PLAN
11	PEDESTRIAN FACILITIES, CURB RAMPS, DET. WARNINGS - SHEET 1 OF 4
12	PEDESTRIAN FACILITIES, CURB RAMPS, DET. WARNINGS - SHEET 2 OF 4
13	PEDESTRIAN FACILITIES, CURB RAMPS, DET. WARNINGS - SHEET 3 OF 4
14	PEDESTRIAN FACILITIES, CURB RAMPS, DET. WARNINGS - SHEET 4 OF 4

BOARD OF DIRECTORS  
 TERRY ROY.....PRESIDENT  
 BILLY REVIS.....VICE PRESIDENT  
 JOHN RANDALL GEMMER.....SECRETARY  
 CAROLYN FIELDS.....DIRECTOR  
 ALISA M. WILLIAMS.....DIRECTOR

APPROVED  
 CITY OF RICHMOND  
 Kelly K. Oza, P.E.  
 CITY ENGINEER  
 Terry Vela  
 CITY MANAGER  
 DATE: 6/22/15  
 DATE: 6/22/15

FORT BEND COUNTY ENGINEER  
 ENGINEER: Richard N. Stollers, P.E.  
 DATE: 6/24/15  
 THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.  
 APPROVED: [Signature]  
 DEVELOPMENT COORDINATOR  
 DATE: 6/23/15



JUNE 2015  
**Amami Engineering, Inc.**  
 4113 South Loop West, Suite 350  
 Houston, TX 77044  
 Phone: (713) 270-5700 Fax: (713) 271-1487  
 WWW.AMAMIENGINEERING.COM  
 TEP 93.2 Form Registration No. 100282-05





**BENCHMARK(S)**  
 BENCHMARK NO. 1 (177)  
 A BENCH MARK SHOWN AS 1175.00 IS NOT LOCATED IN THE NORTH FACE WALL OF THE FIRST IMPACT CHECK BUILDING IN RIVERWOOD VILLAGE SECTION ONE. THE BENCHMARK IS ADJACENT TO THE EAST SIDE OF THE ROAD. THE BENCHMARK IS THE LAST CORNER OF THE SURVEY. ABOUT 10 FEET EAST OF THE BENCHMARK IS A 10" DIA. CONCRETE PILE. THE BENCHMARK IS 1175.00 + 10.00 = 1185.00 (ADJUSTED)

**LEGEND**  
 (IPB) Inlet Protection Barrier (See Detail, Sheet 7)  
 (3) REMOVE/REPLACE EXISTING SIDEWALK AND CURB & GUTTER AS NEEDED.  
 (4) REMOVE/REPLACE EXISTING DRIVEWAY AS NEEDED.

FORT BEND COUNTY APPROVAL  
 APPROVED: [Signature]  
 DATE: 01/23/14  
 CITY OF RICHMOND APPROVAL  
 APPROVED: [Signature]  
 DATE: 01/23/14

UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN FEET AND INCHES.  
 UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.  
 UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO CENTERLINE UNLESS NOTED OTHERWISE.  
 UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TO CENTERLINE UNLESS NOTED OTHERWISE.

**AMANN ENGINEERING, INC.**  
 10000 WEST 10TH STREET, SUITE 100  
 FORT WORTH, TEXAS 76132  
 (817) 442-1000  
 FAX: (817) 442-1001  
 WWW.AMANNENGINEERING.COM

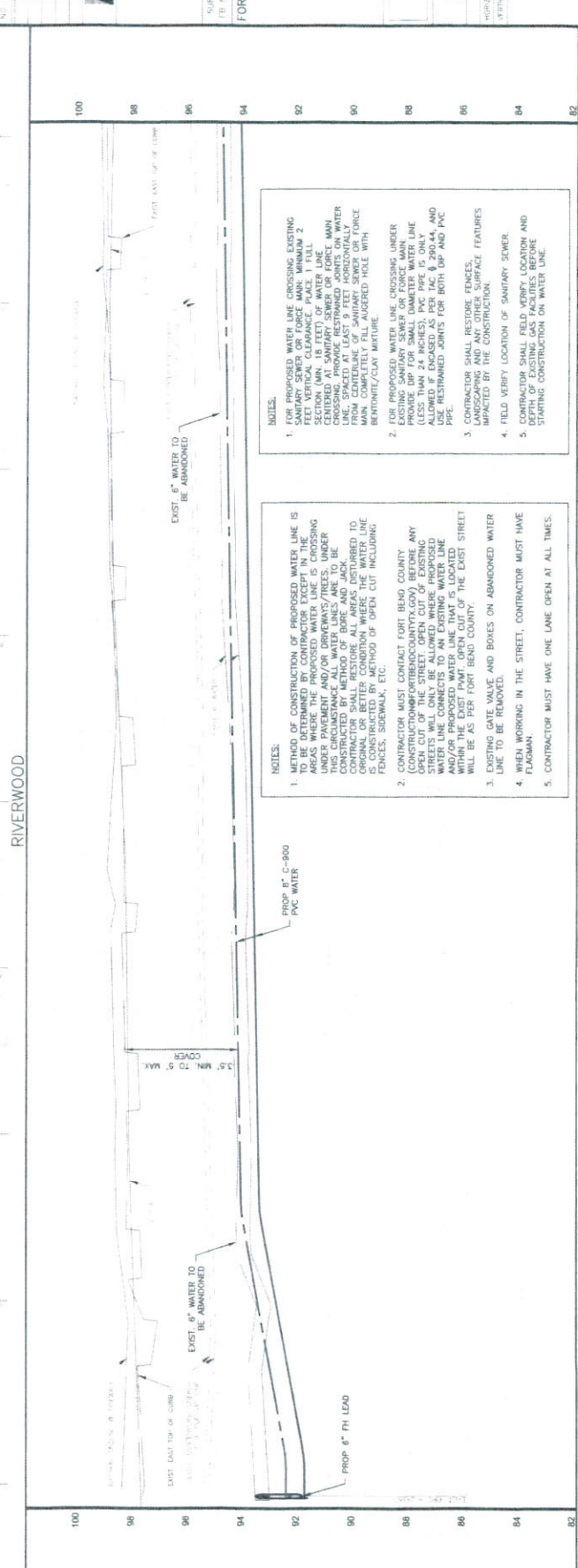
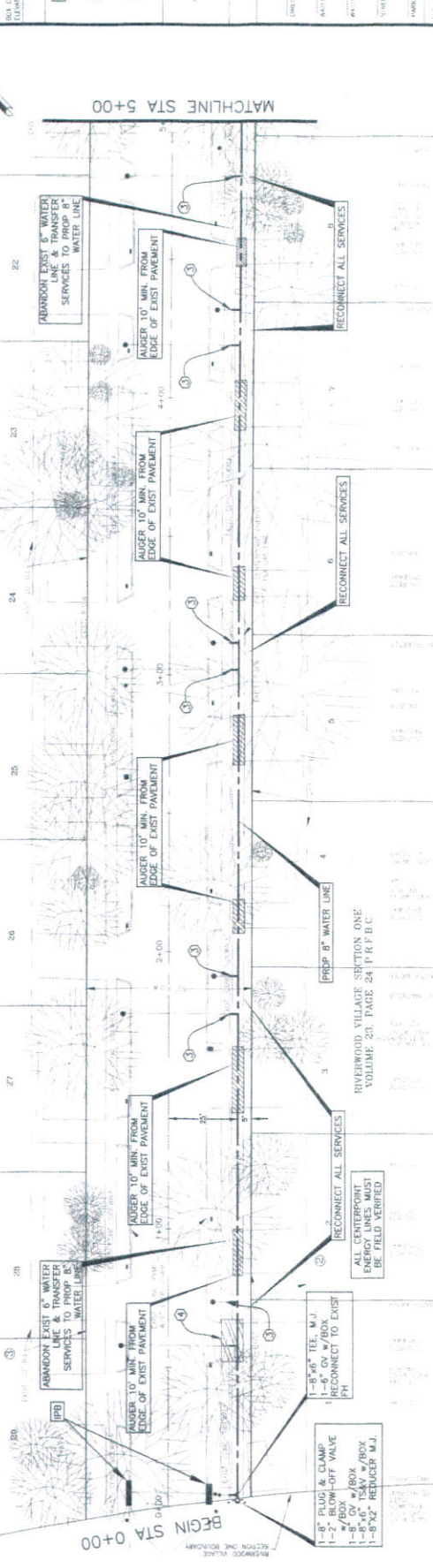
DESIGNED BY: [Signature]  
 CHECKED BY: [Signature]  
 DATE: JUNE 2013  
 JOB NO. 12024  
 PLOT NO. 10-0000  
 SHEET

**RIVERWOOD DRIVE**  
**STA 0+00 TO 5+00**  
**PLAN & PROFILE**

DESIGNED BY: [Signature]  
 CHECKED BY: [Signature]  
 DATE: JUNE 2013  
 JOB NO. 12024  
 PLOT NO. 10-0000  
 SHEET

**CITY OF RICHMOND**  
**FORT BEND COUNTY, TEXAS**

3 of 14



**NOTES:**  
 1. METHOD OF CONSTRUCTION OF PROPOSED WATER LINE IS TO BE DETERMINED BY CONTRACTOR EXCEPT IN THE CASE OF CROSSING UNDER EXISTING WATER LINES. THIS CIRCUMSTANCE ALL WATER LINES ARE TO BE UNDER EXISTING WATER LINES. CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED TO ORIGINAL OR BETTER CONDITION WHERE THE WATER LINE IS LOCATED. RESTORATION METHOD OF OPEN CUT INCLUDING FENCES, SIGNS, ETC.  
 2. CONTRACTOR MUST CONTACT FORT BEND COUNTY PUBLIC WORKS DEPARTMENT TO OBTAIN ANY OPEN CUT OF THE STREET. OPEN CUT OF EXISTING STREETS WILL ONLY BE ALLOWED WHERE PROPOSED WATER LINE IS LOCATED UNDER EXISTING WATER LINE AND/OR PROPOSED WATER LINE THAT IS LOCATED WITHIN THE EXIST PAVT. OPEN CUT OF THE EXIST STREET WILL BE AS PER FORT BEND COUNTY.  
 3. EXISTING GATE VALVE AND BOXES ON ABANDONED WATER LINE TO BE REMOVED.  
 4. WHEN WORKING IN THE STREET, CONTRACTOR MUST HAVE FLAGMAN.  
 5. CONTRACTOR MUST HAVE ONE LANE OPEN AT ALL TIMES.

**NOTES:**  
 1. FOR PROPOSED WATER LINE CROSSING EXISTING WATER LINE, CONTRACTOR SHALL PROVIDE A FULL SECTION (MIN. 18 FEET) OF WATER LINE MAIN CROSSING. PROVIDE RESTRAINED JOINTS ON WATER LINE. SPACED AT LEAST 9 FEET HORIZONTALLY FROM EXISTING WATER LINE. RESTRAINED JOINTS ON MAIN COMPLETELY FULL AUGERED HOLE WITH BENTONITE/CLAY MIXTURE.  
 2. FOR PROPOSED WATER LINE CROSSING UNDER EXISTING WATER LINE, CONTRACTOR SHALL PROVIDE A FULL SECTION (MIN. 18 FEET) OF WATER LINE MAIN CROSSING. PROVIDE RESTRAINED JOINTS ON WATER LINE. SPACED AT LEAST 9 FEET HORIZONTALLY FROM EXISTING WATER LINE. RESTRAINED JOINTS ON MAIN COMPLETELY FULL AUGERED HOLE WITH BENTONITE/CLAY MIXTURE.  
 3. CONTRACTOR SHALL RESTORE FENCES, LANDSCAPING AND ANY OTHER SURFACE FEATURES IMPACTED BY THE CONSTRUCTION.  
 4. FIELD VERIFY LOCATION OF SANITARY SEWER.  
 5. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF EXISTING GAS FACILITIES BEFORE STARTING CONSTRUCTION ON WATER LINE.

100  
98  
96  
94  
92  
90  
88  
86  
84  
82  
0+00 1+00 2+00 3+00 4+00 5+00







**BENCHMARKS**

1. MARKERS FOR CHANGES TO THIS SET ARE NECESSARY IN THE EVENT OF ANY CHANGES TO THE CITY OF RICHMOND WATER MAINS. THE MARKERS SHALL BE PLACED AT THE POINTS OF CHANGE AND SHALL BE IDENTIFIED BY THE CITY OF RICHMOND. THE MARKERS SHALL BE PLACED AT THE POINTS OF CHANGE AND SHALL BE IDENTIFIED BY THE CITY OF RICHMOND. THE MARKERS SHALL BE PLACED AT THE POINTS OF CHANGE AND SHALL BE IDENTIFIED BY THE CITY OF RICHMOND.

**LEGEND**

BOX OUT IN CONCRETE AT LEFT STATION (SEE ALL SHEETS)  
 ELEVATION = 100.00'

FORT BEND COUNTY APPROVAL  
 APPROVED: [Signature]  
 DATE: 6/25/15  
 CITY OF RICHMOND  
 APPROVALS

DESIGNER: [Signature]  
 WATER SUPERVISOR: [Signature]  
 WATER MAINS SUPERVISOR: [Signature]  
 STREET SUPERVISOR: [Signature]  
 PARK SUPERVISOR: [Signature]  
 DATE: [Signature]

FOR THE CITY OF RICHMOND  
 WATER MAINS DEPARTMENT  
 600 WEST 11TH STREET  
 RICHMOND, TEXAS 77469  
 (512) 342-1059

AMANI ENGINEERING, INC.  
 10000 WEST 11TH STREET, SUITE 100  
 RICHMOND, TEXAS 77469  
 (512) 342-1059



FOR THE CITY OF RICHMOND  
 WATER MAINS DEPARTMENT  
 600 WEST 11TH STREET  
 RICHMOND, TEXAS 77469  
 (512) 342-1059

WATER LINE DETAILS  
 SHEET 1 OF 2

SCALE: AS SHOWN  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 DATE: 6/25/15

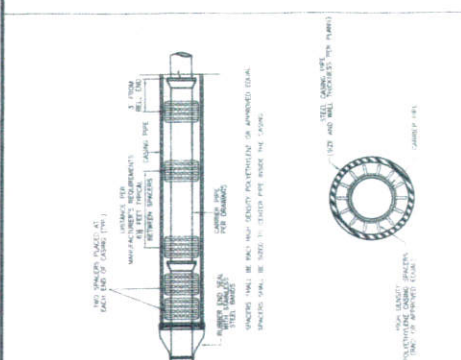
DESIGNED BY: [Signature]  
 DATE: 6/25/15

CITY OF RICHMOND  
 WATER MAINS DEPARTMENT

PROJECT NO.: 15000  
 SHEET NO.: 1 OF 2

DATE: 6/25/15

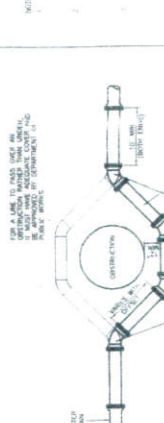
R-2



**NOTES:**  
 1. THE GASKET SHALL BE MADE TO MATCH THE GASKET FOR THE PIPE.  
 2. THE GASKET SHALL BE MADE TO MATCH THE GASKET FOR THE PIPE.  
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**PIPE SIZES & WEIGHTS**

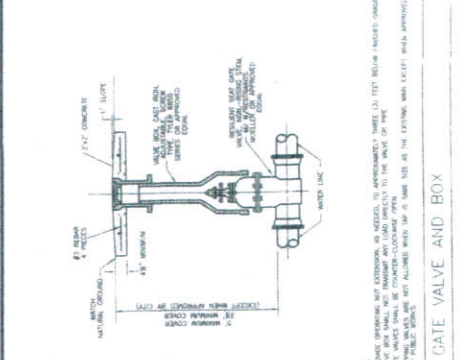
PIPE SIZE (IN)	WALL THICKNESS (IN)	WEIGHT (LBS/FT)
1/2	1/8	1.1
3/4	1/8	1.5
1	1/8	2.0
1 1/4	1/8	2.8
1 1/2	1/8	3.3
2	1/8	4.7
2 1/2	1/8	6.2
3	1/8	7.7
3 1/2	1/8	9.2
4	1/8	10.7
4 1/2	1/8	12.2
5	1/8	13.7
5 1/2	1/8	15.2
6	1/8	16.7
6 1/2	1/8	18.2
7	1/8	19.7
7 1/2	1/8	21.2
8	1/8	22.7
8 1/2	1/8	24.2
9	1/8	25.7
9 1/2	1/8	27.2
10	1/8	28.7
10 1/2	1/8	30.2
11	1/8	31.7
11 1/2	1/8	33.2
12	1/8	34.7
12 1/2	1/8	36.2
13	1/8	37.7
13 1/2	1/8	39.2
14	1/8	40.7
14 1/2	1/8	42.2
15	1/8	43.7
15 1/2	1/8	45.2
16	1/8	46.7
16 1/2	1/8	48.2
17	1/8	49.7
17 1/2	1/8	51.2
18	1/8	52.7
18 1/2	1/8	54.2
19	1/8	55.7
19 1/2	1/8	57.2
20	1/8	58.7
20 1/2	1/8	60.2
21	1/8	61.7
21 1/2	1/8	63.2
22	1/8	64.7
22 1/2	1/8	66.2
23	1/8	67.7
23 1/2	1/8	69.2
24	1/8	70.7
24 1/2	1/8	72.2
25	1/8	73.7
25 1/2	1/8	75.2
26	1/8	76.7
26 1/2	1/8	78.2
27	1/8	79.7
27 1/2	1/8	81.2
28	1/8	82.7
28 1/2	1/8	84.2
29	1/8	85.7
29 1/2	1/8	87.2
30	1/8	88.7
30 1/2	1/8	90.2
31	1/8	91.7
31 1/2	1/8	93.2
32	1/8	94.7
32 1/2	1/8	96.2
33	1/8	97.7
33 1/2	1/8	99.2
34	1/8	100.7
34 1/2	1/8	102.2
35	1/8	103.7
35 1/2	1/8	105.2
36	1/8	106.7
36 1/2	1/8	108.2
37	1/8	109.7
37 1/2	1/8	111.2
38	1/8	112.7
38 1/2	1/8	114.2
39	1/8	115.7
39 1/2	1/8	117.2
40	1/8	118.7
40 1/2	1/8	120.2
41	1/8	121.7
41 1/2	1/8	123.2
42	1/8	124.7
42 1/2	1/8	126.2
43	1/8	127.7
43 1/2	1/8	129.2
44	1/8	130.7
44 1/2	1/8	132.2
45	1/8	133.7
45 1/2	1/8	135.2
46	1/8	136.7
46 1/2	1/8	138.2
47	1/8	139.7
47 1/2	1/8	141.2
48	1/8	142.7
48 1/2	1/8	144.2
49	1/8	145.7
49 1/2	1/8	147.2
50	1/8	148.7



**NOTES:**  
 1. THE GATE VALVE SHALL BE MADE TO MATCH THE GATE VALVE FOR THE PIPE.  
 2. THE GATE VALVE SHALL BE MADE TO MATCH THE GATE VALVE FOR THE PIPE.  
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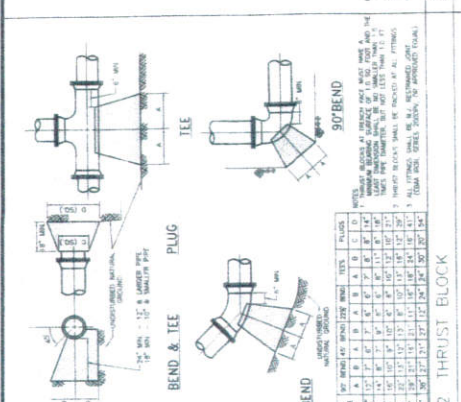
**NOTES:**  
 1. THE WATER PIPE OFFSET SHALL BE MADE TO MATCH THE WATER PIPE OFFSET FOR THE PIPE.  
 2. THE WATER PIPE OFFSET SHALL BE MADE TO MATCH THE WATER PIPE OFFSET FOR THE PIPE.  
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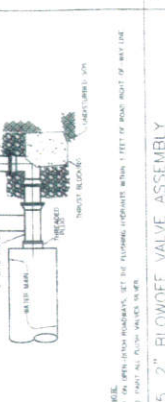
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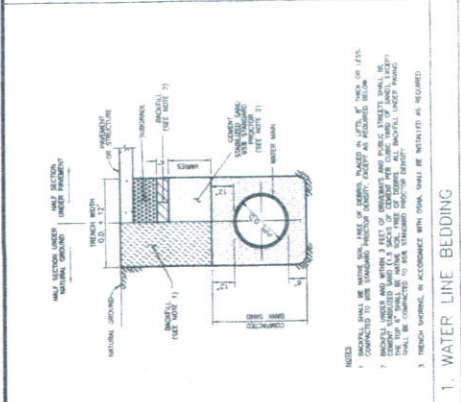
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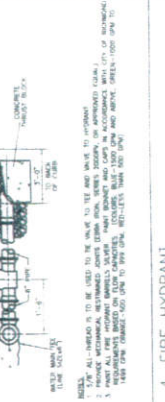
**NOTES:**  
 1. THE WATER LINE BEDDING SHALL BE MADE TO MATCH THE WATER LINE BEDDING FOR THE PIPE.  
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**NOTES:**  
 1. THE THRUST BLOCK SHALL BE MADE TO MATCH THE THRUST BLOCK FOR THE PIPE.  
 2. THE THRUST BLOCK SHALL BE MADE TO MATCH THE THRUST BLOCK FOR THE PIPE.  
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**NOTES:**  
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1. WATER LINE BEDDING

2. THRUST BLOCK

3. GATE VALVE AND BOX

4. FIRE HYDRANT

5. 2" BLOWOFF VALVE ASSEMBLY

6. WATER PIPE OFFSET ASSEMBLY

7. WATER LINE CASING

8. VALVE LOCATION PLAN

9. BLOWOFF LOCATION PLAN

10. SWPP PLAN

11. WATER LINE DETAILS

12. WATER LINE DETAILS

13. WATER LINE DETAILS

14. WATER LINE DETAILS













