

16E

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 Reddico Construction Company, Inc. Job Location Evergreen, South Post Oak and add'l streets for FBC Fresh Water Supply District Ph II, Fresno, TX 77545 Date 9/24/2015 Bond No. 70117945, Permit No. 2015-3224 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 Mayer, 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: Rud J. Stangle, PE, PTOE
for County Engineer

Presented to Commissioners Court and approved.
Recorded in Volume 10-0615
Minutes of Commissioners Court

By: N/A
Drainage District Engineer/Manager

Clerk of Commissioners Court
By: [Signature]
Deputy

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

AUTHORIZED

BOND NO 70117945

THE STATE OF TEXAS

§

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND

§

THAT WE, Reddico Construction Co., Inc. whose address is 10083 Airport Road, Conroe, Texas 77303 Texas, hereinafter called the Principal, And The Guarantee Company of North America USA, a Corporation existing under and by virtue of the laws of the state of Michigan and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at One Towne Square, #1470, Southfield, MI 48076, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is Richard Sauer and Whose address is 350 Glenborough Dr., #138, Houston TX 77067, 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 Three Hundred Thirty-seven* Dollars (\$ 337,500.00) 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.

Thousand, Five Hundred and No/100 Dollars

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 22nd day of September, 20 15.

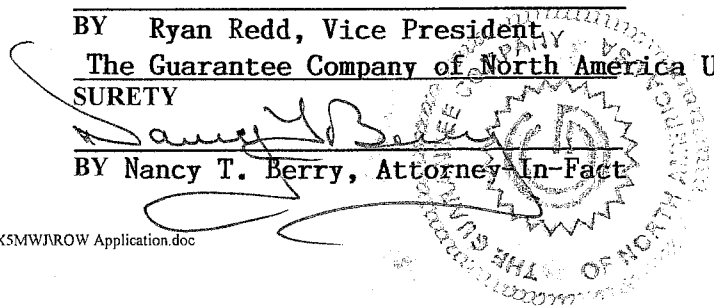
Reddico Construction Co., Inc.

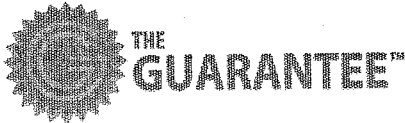
PRINCIPAL

BY Ryan Redd, Vice President
The Guarantee Company of North America USA
SURETY

BY Nancy T. Berry, Attorney In-Fact

DUPLICATE ORIGINAL





The Guarantee Company of North America USA
Southfield, Michigan

POWER OF ATTORNEY

KNOW ALL BY THESE PRESENTS: That THE GUARANTEE COMPANY OF NORTH AMERICA USA, a corporation organized and existing under the laws of the State of Michigan, having its principal office in Southfield, Michigan, does hereby constitute and appoint

Richard D. Bright, Nancy T. Berry, Steven W Berry, Kimberly J. Smith
Guaranty Insurance Services, Inc.

its true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise.

The execution of such instrument(s) in pursuance of these presents, shall be as binding upon THE GUARANTEE COMPANY OF NORTH AMERICA USA as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at the principal office.

The Power of Attorney is executed and may be certified so, and may be revoked, pursuant to and by authority of Article IX, Section 9.03 of the By-Laws adopted by the Board of Directors of THE GUARANTEE COMPANY OF NORTH AMERICA USA at a meeting held on the 31st day of December, 2003. The President, or any Vice President, acting with any Secretary or Assistant Secretary, shall have power and authority:

1. To appoint Attorney(s)-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof; and
2. To revoke, at any time, any such Attorney-in-fact and revoke the authority given, except as provided below
3. In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.
4. In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner - Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

Further, this Power of Attorney is signed and sealed by facsimile pursuant to resolution of the Board of Directors of the Company adopted at a meeting duly called and held on the 6th day of December 2011, of which the following is a true excerpt:

RESOLVED that the signature of any authorized officer and the seal of the Company may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, contracts of indemnity and other writings obligatory in the nature thereof, and such signature and seal when so used shall have the same force and effect as though manually affixed.

IN WITNESS WHEREOF, THE GUARANTEE COMPANY OF NORTH AMERICA USA has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, this 23rd day of February, 2012.



THE GUARANTEE COMPANY OF NORTH AMERICA USA

STATE OF MICHIGAN
County of Oakland

Stephen C. Ruschak, Vice President

Randall Musselman, Secretary

On this 23rd day of February, 2012 before me came the individuals who executed the preceding instrument, to me personally known, and being by me duly sworn, said that each is the herein described and authorized officer of The Guarantee Company of North America USA; that the seal affixed to said instrument is the Corporate Seal of said Company; that the Corporate Seal and each signature were duly affixed by order of the Board of Directors of

Cynthia A. Takai
Notary Public, State of Michigan
County of Oakland
My Commission Expires February 27, 2018
Acting in Oakland County

IN WITNESS WHEREOF, I have hereunto set my hand at The Guarantee Company of North America USA offices the day and year above written.

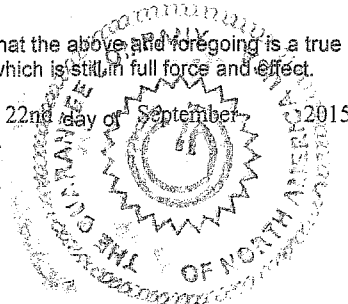


I, Randall Musselman, Secretary of THE GUARANTEE COMPANY OF NORTH AMERICA USA, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by THE GUARANTEE COMPANY OF NORTH AMERICA USA, which is still in full force and effect.

IN WITNESS WHEREOF, I have thereunto set my hand and attached the seal of said Company this 22nd day of September, 2015.



Randall Musselman, Secretary



DUPLICATE ORIGINAL



The Guarantee Company of North America USA
One Towne Square, Suite 1470
Southfield, Michigan 48076
Phone: 248-281-0281 Fax: 248-750-0431

Texas Consumer Notice

1 IMPORTANT NOTICE

To obtain information or make a complaint:

2 You may contact your agent at:

3 You may call The Guarantee Company of North America USA's toll-free telephone number for information or to make a complaint at: 1-866-328-0567

4 You may also write to The Guarantee Company of North America USA at:

One Towne Square, Suite 1470
Southfield, Michigan 48076
Web: www.gcna.com
E-mail: Info@gcna.com
Fax: 248-750-0431

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 78714-91 04
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 the (agent) (company) (agent or the 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 su agent al

Usted puede llamar al numero de telefono gratis de The Guarantee Company of North America USA's para informacion o para someter una queja al: 1-866-328-0567

Usted tambien puede escribir a to The Guarantee Company of North America USA:

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Southfield, Michigan 48076
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E-mail: Info@gcna.com
Fax: 248-750-0431

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 78714-91 04
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 (agente) (la compania) (agente o la compania) primero. Si no se resuelve la disputa, puede entonces comunicarse con el departamento (TD I).

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

County of Fort Bend
Engineering Department

301 Jackson Street
Richmond, Texas 77469

Johnny Ortega
Permit Administrator

Phone: (281) 633-7500

**Permit Application Review Form For
Cable, Conduit, and Pole Line Activity
In Fort Bend County**

Permit No. 2015-3224

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.

<u> </u>	X		(1) Complete Application Form:
	<u> </u>	X	a. Name of road, street, and/or drainage ditch affected.
	<u> </u>	X	b. Vicinity map showing course of directions
	<u> </u>	X	c. Plans and specifications
<u> </u>	X		(2) Bond:
			District Attorney, approval when applicable.
			Perpetual bond currently posted.
			No: _____
			Amount: _____
	<u> </u>	X	Performance bond submitted.
			No: 70117945
			Amount: \$337,500.00
			Cashier's Check
			No: _____
			Amount: _____
<u> </u>			(3) Verbal permission given for emergencies, to start construction before approved in Commissioner's Court.

Precinct Engineer Acknowledgment _____
Date

Precinct Commissioner Acknowledgment _____
Date

(4)

Drainage District Approval when applicable

We have reviewed this project and agree it meets minimum requirements.



Johnny Ortega CFM/Permit Administrator

09/30/2015
Date

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

AUTHORIZED

BOND NO 70117945

THE STATE OF TEXAS

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COUNTY OF FORT BEND

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Thousand, Five Hundred and No/100 Dollars

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;

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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 22nd day of September, 20 15

Reddico Construction Co., Inc.
PRINCIPAL
[Signature]
BY Ryan Redd, Vice President
The Guarantee Company of North America USA
SURETY
[Signature]
BY Nancy T. Berry, Attorney-in-Fact



The Guarantee Company of North America USA
Southfield, Michigan

POWER OF ATTORNEY

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Richard D. Bright, Nancy T. Berry, Steven W Berry, Kimberly J. Smith
Guaranty Insurance Services, Inc.

its true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise.

The execution of such instrument(s) in pursuance of these presents, shall be as binding upon THE GUARANTEE COMPANY OF NORTH AMERICA USA as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at the principal office.

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1. To appoint Attorney(s)-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, and
2. To revoke, at any time, any such Attorney-in-fact and revoke the authority given, except as provided below
3. In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.
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Further, this Power of Attorney is signed and sealed by facsimile pursuant to resolution of the Board of Directors of the Company adopted at a meeting duly called and held on the 6th day of December 2011, of which the following is a true excerpt:

RESOLVED that the signature of any authorized officer and the seal of the Company may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, contracts of indemnity and other writings obligatory in the nature thereof, and such signature and seal when so used shall have the same force and effect as though manually affixed.



IN WITNESS WHEREOF, THE GUARANTEE COMPANY OF NORTH AMERICA USA has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, this 23rd day of February, 2012.

THE GUARANTEE COMPANY OF NORTH AMERICA USA

Stephen C. Ruschak, Vice President

Randall Musselman, Secretary

STATE OF MICHIGAN
County of Oakland

On this 23rd day of February, 2012 before me came the individuals who executed the preceding instrument, to me personally known, and being by me duly sworn, said that each is the herein described and authorized officer of The Guarantee Company of North America USA; that the seal affixed to said instrument is the Corporate Seal of said Company; that the Corporate Seal and each signature were duly affixed by order of the Board of Directors of



Cynthia A. Takai
Notary Public, State of Michigan
County of Oakland
My Commission Expires February 27, 2018
Acting in Oakland County

IN WITNESS WHEREOF, I have hereunto set my hand at The Guarantee Company of North America USA offices the day and year above written.

I, Randall Musselman, Secretary of THE GUARANTEE COMPANY OF NORTH AMERICA USA, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by THE GUARANTEE COMPANY OF NORTH AMERICA USA, which is still in full force and effect.



IN WITNESS WHEREOF, I have thereunto set my hand and attached the seal of said Company this 22nd day of September, 2015.

Randall Musselman, Secretary



The Guarantee Company of North America USA
One Towne Square, Suite 1470
Southfield, Michigan 48076
Phone: 248-281-0281 Fax: 248-750-0431

Texas Consumer Notice

1 IMPORTANT NOTICE

To obtain information or make a complaint:

2 You may contact your agent at:

3 You may call The Guarantee Company of North America USA's toll-free telephone number for information or to make a complaint at: 1-866-328-0567

4 You may also write to The Guarantee Company of North America USA at:

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AVISO IMPORTANTE

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Puede comunicarse con el Departamento de Seguros de Texas para obtener información acerca de compañías, coberturas, derechos o quejas al: 1-800-252-3439

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



DRAINAGE DISTRICT

Fort Bend County, Texas

October 29, 2014

Mr. David Dybala, P.E.
Jacobs Engineering Group, Inc.
5995 Rogerdale Road
Houston, Texas 77072

Re: Fort Bend County Freshwater Supply District No. 1
Phase III – Waterline Improvements
Construction Plans

Dear Mr. Dybala:

The Fort Bend County Drainage District (District) has received the referenced construction plans for review and comment. This project will construct waterlines within the existing road right-of-ways and will include crossing or boring Mustang Bayou at Evergreen and Nail Road and appears to be designed 3-feet below the ultimate flowline. The Drainage District interposes no objection to the plans as submitted and signed and sealed by the design engineer dated 9/24/14.

Contact Mr. Johnny Ortega with the Fort Bend County Engineering Department at 281-633-7500 for permit information of construction activity within the road right-of-ways or on the web at www.FortBendCountyGov.com.

This does not release the requirements of any other governmental agency or department regarding approval, permitting or construction.

If you should have any questions, please do not hesitate to contact me at 281-342-2863 or by email at dwayne.grigar@fortbendcountytexas.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Dwayne G. Grigar", is written over a circular stamp or seal.

Dwayne G. Grigar, CFM
Assistant to the Engineer
Fort Bend County Drainage District

xc: Mr. Nathan Hatcher - Fort Bend County Engineering Department
Mr. Johnny Ortega - Fort Bend County Engineering Department
File/FBC Freshwater Supply District No. 1

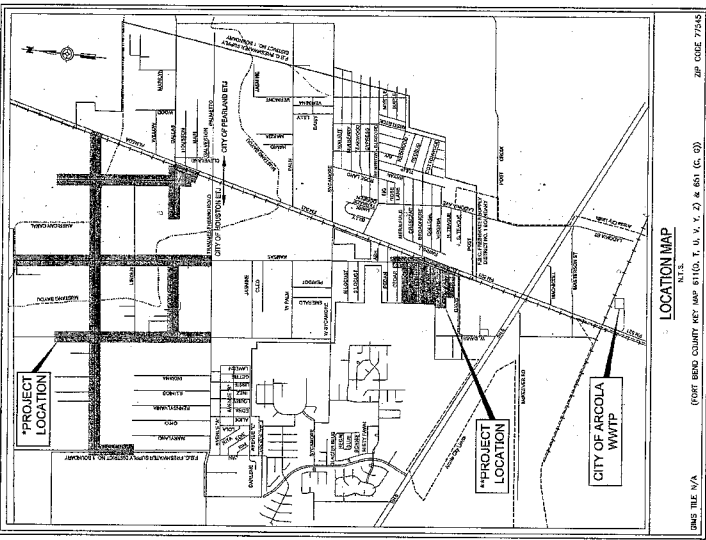
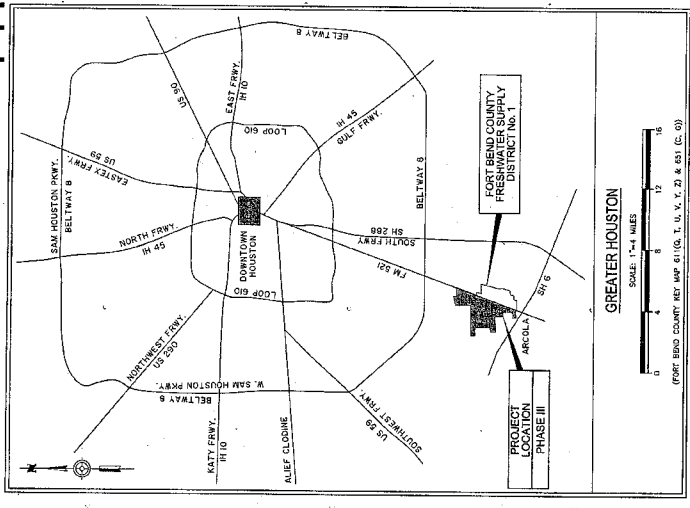
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FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO.1 PHASE III - WATERLINE IMPROVEMENTS

JOB No. WHX7515

DATE: MARCH, 2014



FORT BEND COUNTY ENGINEER
APPROVED: *[Signature]*
DATE: 3/11/14
 THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN ONE (1) YEAR FROM DATE OF APPROVAL.

CITY OF ARCOLA WWTP
LOCATION MAP
 DMS FILE N/A (FORT BEND COUNTY NET MAP 6110, T. U. V. Z. R. & 651 (G. 0)) 2nd EDITION 7/14/05
 * NOTE FOR WATERLINE INSTALLATION: NO PROPOSED WATERLINE WORK IS INVOLVED IN THIS PROJECT/PLAN SET'S WORKS (EXISTING WASTEWATER SYSTEMS)

DRAWING INDEX

SHEET NO.	DRAWING NO. - SHEET TITLE
1	C3001 - COVER SHEET
2	C3002 - GENERAL NOTES
3	C3003 - PIPELINE NETWORK PLAN
4	C3004 - DRAWING KEY SHEET
5	C3005 - SURVEY CONTROL PLAN (1 of 4)
6	C3006 - SURVEY CONTROL PLAN (2 of 4)
7	C3007 - SURVEY CONTROL PLAN (3 of 4)
8	C3008 - SURVEY CONTROL PLAN (4 of 4)
9	C3009 - UNDERGROUND UTILITIES
10	C3101 - EVERGREEN STA. 010+00 TO 010+00
11	C3102 - EVERGREEN STA. 020+00 TO 020+00
12	C3103 - EVERGREEN STA. 030+00 TO 030+00
13	C3104 - EVERGREEN STA. 040+00 TO 040+00
14	C3105 - EVERGREEN STA. 050+00 TO 050+00
15	C3106 - EVERGREEN STA. 060+00 TO 060+00
16	C3107 - EVERGREEN STA. 070+00 TO 070+00
17	C3108 - EVERGREEN STA. 080+00 TO 080+00
18	C3109 - EVERGREEN STA. 090+00 TO 090+00
19	C3110 - EVERGREEN STA. 100+00 TO 100+00
20	C3111 - EVERGREEN STA. 110+00 TO 110+00
21	C3121 - CALIFORNIA STA. 38+00 TO 38+00
22	C3122 - CALIFORNIA STA. 39+00 TO 39+00
23	C3131 - S POST OAK STA. 08+00 TO 08+00
24	C3132 - S POST OAK STA. 09+00 TO 09+00
25	C3133 - S POST OAK STA. 10+00 TO 10+00
26	C3134 - S POST OAK STA. 11+00 TO 11+00
27	C3135 - S POST OAK STA. 12+00 TO 12+00
28	C3136 - S POST OAK STA. 13+00 TO 13+00
29	C3141 - NAIL STA. 00+00 TO 00+00
30	C3142 - NAIL STA. 01+00 TO 01+00
31	C3143 - NAIL STA. 02+00 TO 02+00
32	C3144 - NAIL STA. 03+00 TO 03+00
33	C3145 - NAIL STA. 04+00 TO 04+00
34	C3146 - NAIL STA. 05+00 TO 05+00
35	C3147 - NAIL STA. 06+00 TO 06+00
36	C3151 - W DALLAS STA. 03+00 TO 03+00
37	C3152 - W DALLAS STA. 04+00 TO 04+00
38	C3153 - W DALLAS STA. 05+00 TO 05+00
39	C3154 - W DALLAS STA. 06+00 TO 06+00
40	C3155 - W DALLAS STA. 07+00 TO 07+00
41	C3156 - W DALLAS STA. 08+00 TO 08+00
42	C3171 - W MAIN STA. 14+00 TO 14+00
43	C3172 - W MAIN STA. 15+00 TO 15+00
44	C3181 - W HOUSTON STA. 04+00 TO 04+00
45	C3182 - W HOUSTON STA. 05+00 TO 05+00
46	C3191 - SOUTHERN TIE-IN
47	C3211 - KANSAS STA. 00+00 TO 00+00
48	C3212 - KANSAS STA. 01+00 TO 01+00
49	C3213 - KANSAS STA. 02+00 TO 02+00
50	C3221 - HICKORY STA. 01+00 TO 01+00
51	C3231 - MAPLE STA. 01+00 TO 01+00
52	C3232 - MAPLE STA. 02+00 TO 02+00
53	C3241 - MINGOSA STA. 01+00 TO 01+00
54	C3242 - MINGOSA STA. 02+00 TO 02+00
55	C3251 - ELM STA. 01+00 TO 01+00
56	C3252 - ELM STA. 02+00 TO 02+00
57	C3261 - SPRUCE STA. 01+00 TO 01+00
58	C3262 - SPRUCE STA. 02+00 TO 02+00

SHEET NO.	DRAWING NO. - SHEET TITLE
59	C3301 - CONSTRUCTION DETAILS (1 of 2)
60	C3302 - CONSTRUCTION DETAILS (2 of 2)
61	C3303 - SUPER DETAILS
62	C3304 - LAYOUT (1 of 4)
63	C3305 - SWPPP LAYOUT (2 of 4)
64	C3306 - SWPPP LAYOUT (3 of 4)
65	C3307 - SWPPP LAYOUT (4 of 4)
66	C3308 - TRAFFIC CONTROL (1 of 2)
67	C3309 - TRAFFIC CONTROL (2 of 2)

JACOBS
 5805 RIVERSIDE ROAD
 HOUSTON, TEXAS 77027
 PHONE: 281.351.6200
 TEXAS REG. NO. 62886

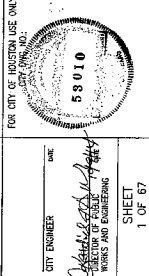
CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

DATE: 10-9-14
 BY: [Signature]
 PROJECT: [Signature]

FOR BARRIED UTILITY INFORMATION TWO (2) BUSINESS DAYS BEFORE YOU DIG CALL 811... UTILITY INFORMATION ONE CALL

FOR CITY OF HOUSTON USE ONLY

DATE: 10-9-14
 BY: [Signature]
 PROJECT: [Signature]



GENERAL CONSTRUCTION NOTES:

- 1. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL PRIVATE UTILITY LINES, INCLUDING BUT NOT LIMITED TO...
2. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION...
3. ALL PORT BEAD COUNTY AGENCIES SHALL BE NOTIFIED BY FOLLOW-UP LETTER AND COPIES SENT TO JACOBS...
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STORAGE OF MATERIAL AND EQUIPMENT...
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL EXCESS MATERIAL...
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES...
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES...
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING STRUCTURES...
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES...
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES...
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES...
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES...
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19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES...
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES...

WATERLINE CONSTRUCTION NOTES CONTINUED:

- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES...
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES...
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES...
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES...
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES...
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19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES...
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES...

STORMWATER QUALITY NOTES:

- 1. EPA/USEPA CONSTRUCTION GENERAL PERMIT COVERAGE REQUIRED.
2. SUBMIT A COPY OF YOUR NOI AND A DECLARATION THAT THE NOI WAS SUBMITTED TO EPA/USEPA TO THE CITY OF HOUSTON...
3. PLEASE CALL 713-857-0897 48 HOURS PRIOR TO STARTING CONSTRUCTION TO ARRANGE THE INFOS INITIAL CONSTRUCTION SITE INSPECTION...
4. THE FOLLOWING IS FOR INFORMATIONAL PURPOSES ONLY:
CITY OF HOUSTON
STORMWATER QUALITY
MANAGEMENT SERVICES
CITY OF HOUSTON
HOUSTON, TEXAS 77002
PHONE: 713-857-0897
FAX: 713-857-7626
CALL 713-857-7626 FOR MORE INFORMATION

TRAFFIC NOTES:

- 1. CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART 11 OF THE TEXAS TRANSPORTATION CODE...
2. NO LANE SHALL BE CLOSED DURING THE HOURS OF 7:00 A.M. TO 6:00 P.M. AND 4:00 P.M. TO 6:00 P.M. ON MONDAY THROUGH FRIDAY...
3. CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION DURING WORKING HOURS...
4. CONTRACTOR SHALL COVER OPEN EXCAVATIONS WITH STEEL PLATES, ANCHORED PROPERLY DURING WORKING HOURS...
5. CERTIFIED FLAGMENS (SAFE) ARE REQUIRED TO DIRECT TRAFFIC WHEN LANES ARE CLOSED...
6. IF THE CONTRACTOR AGREES TO USE A DIFFERENT METHOD OF TRAFFIC CONTROL PLANS DURING WORKING HOURS...
7. APPROVAL IN THE STATE OF TEXAS MUST BE OBTAINED PRIOR TO IMPLEMENTATION...
8. THESE PLANS SHALL BE OBTAINED FROM THE TEXAS DEPARTMENT OF TRANSPORTATION...
9. APPROVAL IN THE STATE OF TEXAS MUST BE OBTAINED PRIOR TO IMPLEMENTATION...
10. THESE PLANS SHALL BE OBTAINED FROM THE TEXAS DEPARTMENT OF TRANSPORTATION...

CONTRACTOR SHALL CONTACT JIMMY ORTEGA AT 281-633-7502 WITH FORT BEND COUNTY TO OBTAIN PORT BEAD COUNTY PERMIT FOR WORK WITHIN THE COUNTY R.O.W.

PROPOSED ELEVATIONS:
DRAINAGE IN TOP AND APPROXIMATELY 18 FEET EAST OF WEST END OF PORT BEAD COUNTY PERMIT FOR WORK WITHIN THE COUNTY R.O.W.
ELEVATION 76.70 TO 76.80 (AS SHOWN)

* CONTRACTOR SHALL ADOPT BY REQUIREMENTS OF U.S. IRON AND STEEL AND MANUFACTURED CORRUGATIONS

811 logo and text: CALL CENTER FOR LINES TO BE TURNED OFF OR MOVED. CAL CENTER: 1-800-485-5844

FOR BARRI UTILITY INFORMATION: TWO (2) BUSINESS DAYS PRIOR TO THE DATE OF THE WORK. CALL: 1-800-485-5844

VERIFICATION OF PRIVATE UTILITY LINES. Includes fields for Date (10-16-14), Signature, and Title.

NOTICE: For your safety, you are required to locate all utilities... This information is for your information only.

REVISIONS table with columns for Date and Description.

JACOBS logo and address: 1000 WEST 17TH STREET, HOUSTON, TEXAS 77002

FOOT BEAD COUNTY DISTRICT NO. 1 WATER SYSTEM IMPROVEMENTS PHASE 3

GENERAL NOTES: WATERLINES SHALL BE LOCATED TO AVOID EXISTING CURB INLET STRUCTURES.

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

CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

DATE: 10-16-14

PROJECT NUMBER: 10-12114

PROJECT NAME: WATER SYSTEM IMPROVEMENTS PHASE 3

PROJECT LOCATION: 1000 WEST 17TH STREET, HOUSTON, TEXAS 77002

PROJECT OWNER: CITY OF HOUSTON

PROJECT MANAGER: JIMMY ORTEGA

PROJECT SUPERVISOR: JIMMY ORTEGA

PROJECT ENGINEER: JIMMY ORTEGA

PROJECT ARCHITECT: JIMMY ORTEGA

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JACOBS logo and address: 1000 WEST 17TH STREET, HOUSTON, TEXAS 77002

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PROJECT MANAGER: JIMMY ORTEGA

PROJECT SUPERVISOR: JIMMY ORTEGA

PROJECT ENGINEER: JIMMY ORTEGA

PROJECT ARCHITECT: JIMMY ORTEGA

FOR BUREAU OF PUBLIC WORKS
 FOR BUREAU OF PUBLIC WORKS
 DISK FOUND IN TOP AND APPROXIMATELY 18 FEET EAST OF WEST END OF
 ROUTE 288 AT JUNCTION OF DALLAS ROAD EAST APPROXIMATELY 19
 SOUTH OF THE CENTERLINE OF DALLAS RD.
 ELEVATION TO FEET (BAND 84)

811
 FOR BUREAU OF PUBLIC WORKS
 FOR BUREAU OF PUBLIC WORKS
 DISK FOUND IN TOP AND APPROXIMATELY 18 FEET EAST OF WEST END OF
 ROUTE 288 AT JUNCTION OF DALLAS ROAD EAST APPROXIMATELY 19
 SOUTH OF THE CENTERLINE OF DALLAS RD.
 ELEVATION TO FEET (BAND 84)

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED,
 CALL CENTER AT 713-697-4222.
NOTICE:
 For your safety, you are required by Texas law to call 811 at least 48 hours before any dig for
 utility lines. If you do not call 811, you are responsible for any damage to utility lines
 or property that may occur. If you do not call 811, you are also responsible for any
 fines or penalties that may be assessed against you. For more information, visit
 www.texas811.org

VERIFICATION OF PRIVATE UTILITY LINES
 DATE: 11/14/14
 DRAWN BY: MJA
 CHECKED BY: MJA
 PROJECT: FRESHWATER SUPPLY IMPROVEMENTS
 PHASE 3
 SURVEY CONTROL PLAN
 (3 OF 4)

APP.	REVISIONS	DATE
1		
2		
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10		

JACOBS
 8088 KIRCHHOFFS BLVD
 HOUSTON, TEXAS 77072
 MAIN: 832.351.8600
 TEXAS PIN NO. 12388

FRESHWATER SUPPLY IMPROVEMENTS
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 SURVEY CONTROL PLAN
 (3 OF 4)

NOTICE: THIS DRAWING IS VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURE.
 CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WATER & WASTEWATER
 STAFF: MJA
 DATE: 11/14/14
 DRAWING NUMBER: C3004
 FOR CITY OF HOUSTON USE ONLY

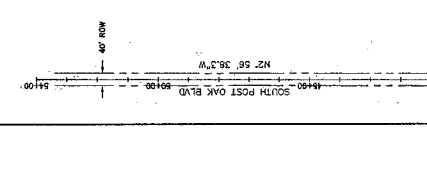
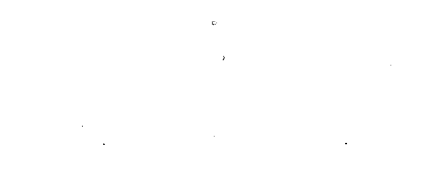
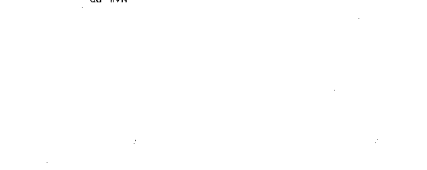
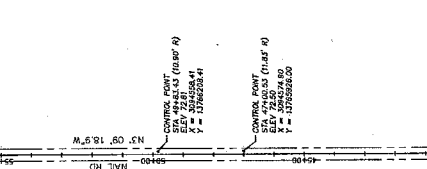
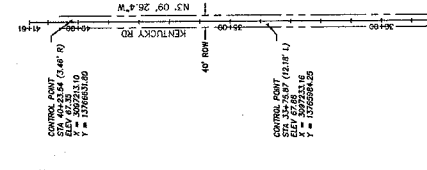
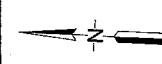
DATE: 11/14/14
 DRAWING NUMBER: C3004
 FOR CITY OF HOUSTON USE ONLY

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 DRAWING NUMBER: C3004
 FOR CITY OF HOUSTON USE ONLY

DATE: 11/14/14
 DRAWING NUMBER: C3004
 FOR CITY OF HOUSTON USE ONLY



MATCHLINE STA 28+10.37
 SEE DRAWING C3003

MATCHLINE STA 40+38.82
 SEE DRAWING C3003

MATCHLINE STA 40+61.18
 SEE DRAWING C3003

MATCHLINE STA 40+61.18
 SEE DRAWING C3003

MATCHLINE STA 40+61.18
 SEE DRAWING C3003

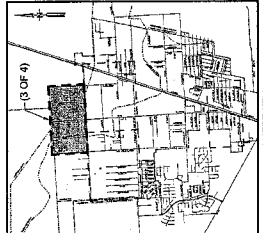
MATCHLINE STA 40+61.18
 SEE DRAWING C3003

MATCHLINE STA 40+61.18
 SEE DRAWING C3003

MATCHLINE STA 40+61.18
 SEE DRAWING C3003

MATCHLINE STA 40+61.18
 SEE DRAWING C3003

MATCHLINE STA 40+61.18
 SEE DRAWING C3003



SHEET KEY
 (FROM SHEET - PHASE 3)

DATE: 11/14/14
 DEVELOPMENT COORDINATOR

NOTE FOR WASTEWATER REVIEWER:
 THIS PROJECT IS INVOLVED IN
 A PERMITS PROCESS AND HAS
 NOT YET BEEN APPROVED BY THE
 CITY OF HOUSTON (EXISTING WASTEWATER SYSTEM)

PROJECT BACKGROUND:
 THIS PORTION OF THE PROJECT LIES IN THE (UNIMPAVED) OTHER SIDE OF THE STREET FROM THE EXISTING WATER MAIN. THE EXISTING WATER MAIN IS LOCATED AT THE EAST END OF THE STREET AND APPROXIMATELY 15 FEET EAST OF THE EAST END OF THE STREET. THE EXISTING WATER MAIN IS LOCATED AT THE EAST END OF THE STREET AND APPROXIMATELY 15 FEET EAST OF THE EAST END OF THE STREET. THE EXISTING WATER MAIN IS LOCATED AT THE EAST END OF THE STREET AND APPROXIMATELY 15 FEET EAST OF THE EAST END OF THE STREET.

FEMA MAP INFORMATION:
 THIS PORTION OF THE PROJECT LIES IN THE (UNIMPAVED) OTHER SIDE OF THE STREET FROM THE EXISTING WATER MAIN. THE EXISTING WATER MAIN IS LOCATED AT THE EAST END OF THE STREET AND APPROXIMATELY 15 FEET EAST OF THE EAST END OF THE STREET. THE EXISTING WATER MAIN IS LOCATED AT THE EAST END OF THE STREET AND APPROXIMATELY 15 FEET EAST OF THE EAST END OF THE STREET.

NOTE:
 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE, UNLESS NOTED OTHERWISE.

FOR BARRIED UTILITY INFORMATION:
 TWO (2) BUSINESS DAYS
 (OR 1-800-545-2000 (TOLL FREE))
 (OR 1-800-569-8344 (Line Star 811))
 UTILITY INFORMATION ONE CALL
 www.onecall.com
 811

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED:
 CALL CENTER NUMBER: 1-800-545-2000
NOTICE:
 For your safety, you are required to have your own copy of the utility map and to have it with you at all times. This information is for informational purposes only and does not constitute a contract.

VERIFICATION OF PRIVATE UTILITY LINES:
 The Engineer has reviewed the utility map and has verified the location of the utility lines. The Engineer has reviewed the utility map and has verified the location of the utility lines. The Engineer has reviewed the utility map and has verified the location of the utility lines.

REVISIONS:
 APP. DATE
 1. DATE 10-6-14
 2. DATE 10-9-14

JACOBS
 10000 FRESHWATER DRIVE
 HOUSTON, TEXAS 77036
 PHONE: 281-555-0000
 FAX: 281-555-0000
 WWW.JACOBS.COM

FRESHWATER SUPPLY DISTRICT NO. 1
WATER SYSTEM IMPROVEMENTS
PHASE 3

EVERGREEN STREET
 CALIFORNIA STREET TO STA 10+00

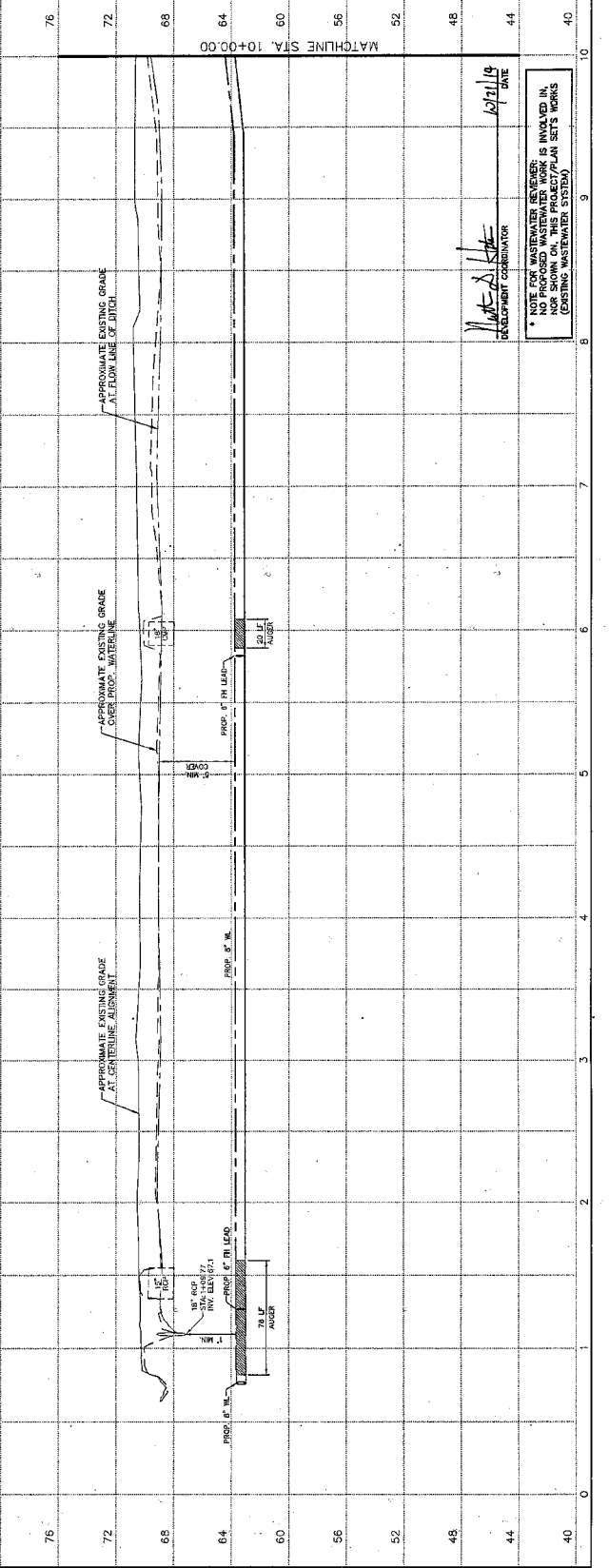
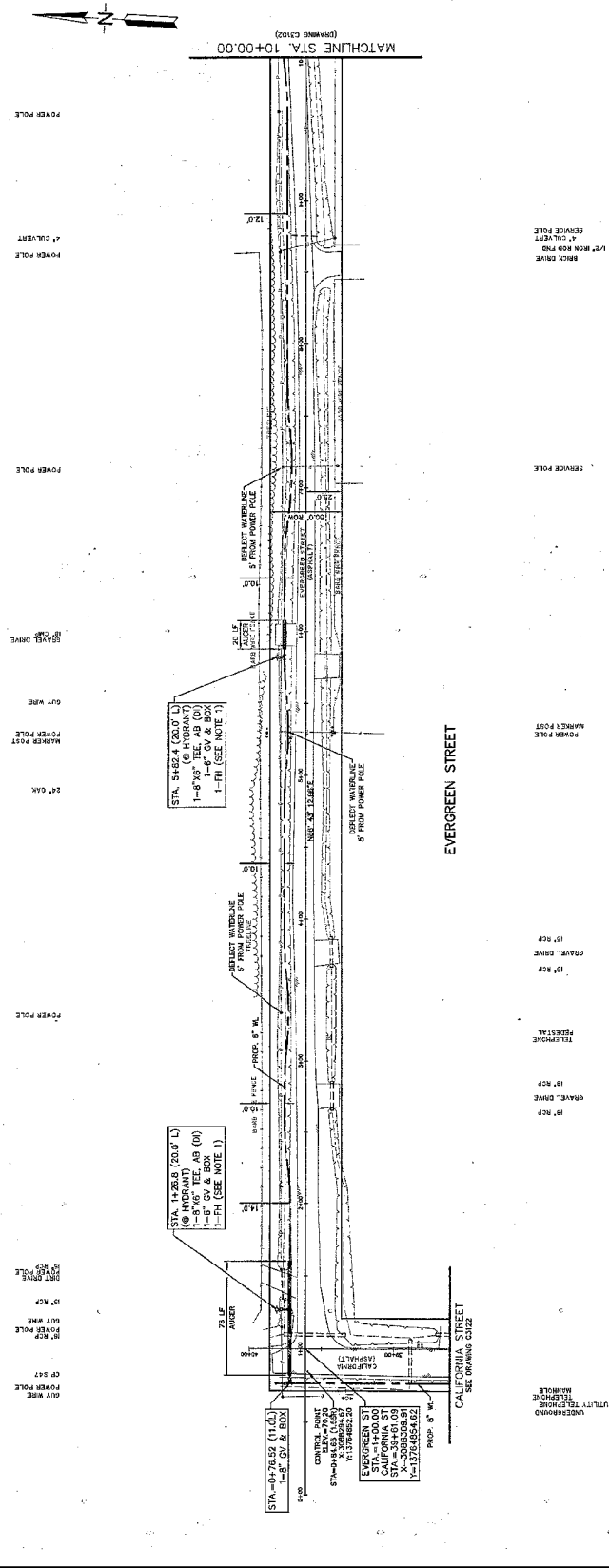
CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

PROJECT NUMBER: C3101
DATE: 10-9-14
SCALE: 1" = 40'

PROJECT LOCATION: EVERGREEN STREET, CALIFORNIA STREET TO STA 10+00

PROJECT DESCRIPTION: WATER MAIN REPLACEMENT AND FIRE HYDRANT INSTALLATION

PROJECT NUMBER: C3101
DATE: 10-9-14
SCALE: 1" = 40'



DATE: 10/27/14
SCALE: 1" = 40'

NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT (EXISTING WASTEWATER SYSTEM)

DATE: 10/27/14
SCALE: 1" = 40'

NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT (EXISTING WASTEWATER SYSTEM)

DATE: 10/27/14
SCALE: 1" = 40'

NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT (EXISTING WASTEWATER SYSTEM)

DATE: 10/27/14
SCALE: 1" = 40'

NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT (EXISTING WASTEWATER SYSTEM)

DATE: 10/27/14
SCALE: 1" = 40'

NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT (EXISTING WASTEWATER SYSTEM)

DATE: 10/27/14
SCALE: 1" = 40'

NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT (EXISTING WASTEWATER SYSTEM)

DATE: 10/27/14
SCALE: 1" = 40'

NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT (EXISTING WASTEWATER SYSTEM)

PROJECT BENCHMARKS:
 811
 FOR BARED UTILITY INFORMATION
 TWO (2) BUSINESS DAYS
 BEFORE YOU DIG CALL 811
 UTILITY NOTIFICATION ONE CALL
 www.onecall.com

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED,
 CALL CENTERPOINT ENERGY AT 713-297-2222
 For your safety, you are required to call 811 at least 48 hours before you dig to
 have underground lines located. This notification does not nullify your obligation to call 811.
 If you have any questions, please call 811 at 1-800-888-8344.

VERIFICATION OF PRIVATE UTILITY LINES
 I, John D. [Signature] Date 10-20-14
 As a professional engineer, I have verified the location, depth, and nature of the utility lines shown on this plan. I have also verified the location, depth, and nature of the utility lines shown on this plan. I have also verified the location, depth, and nature of the utility lines shown on this plan.

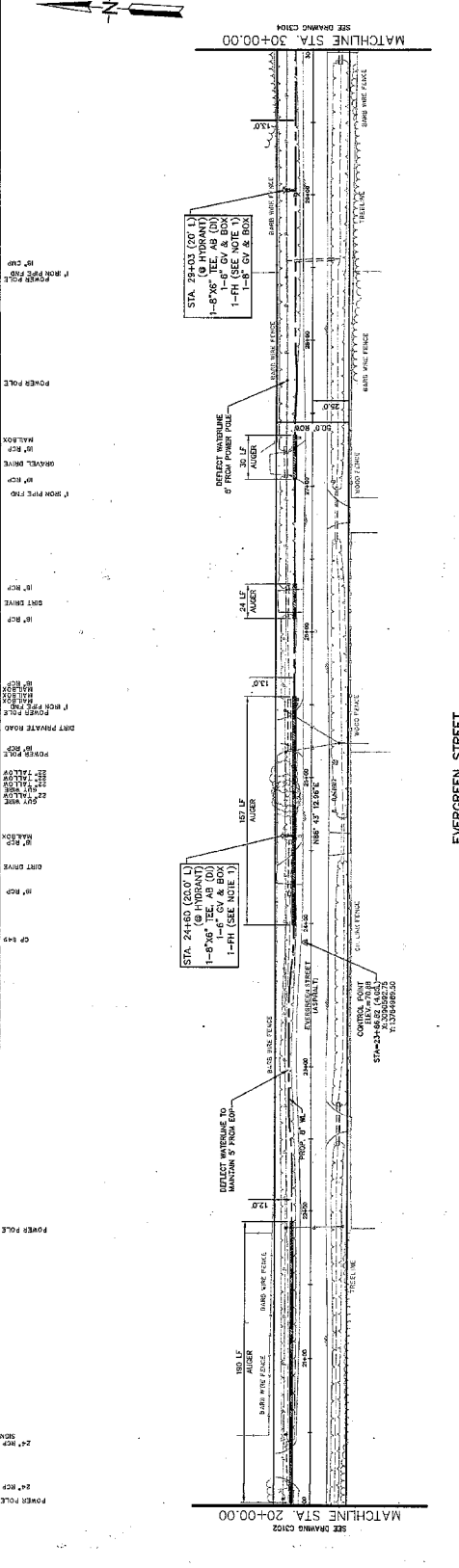
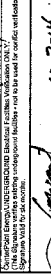
NOTE:
 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE, UNLESS NOTED OTHERWISE.



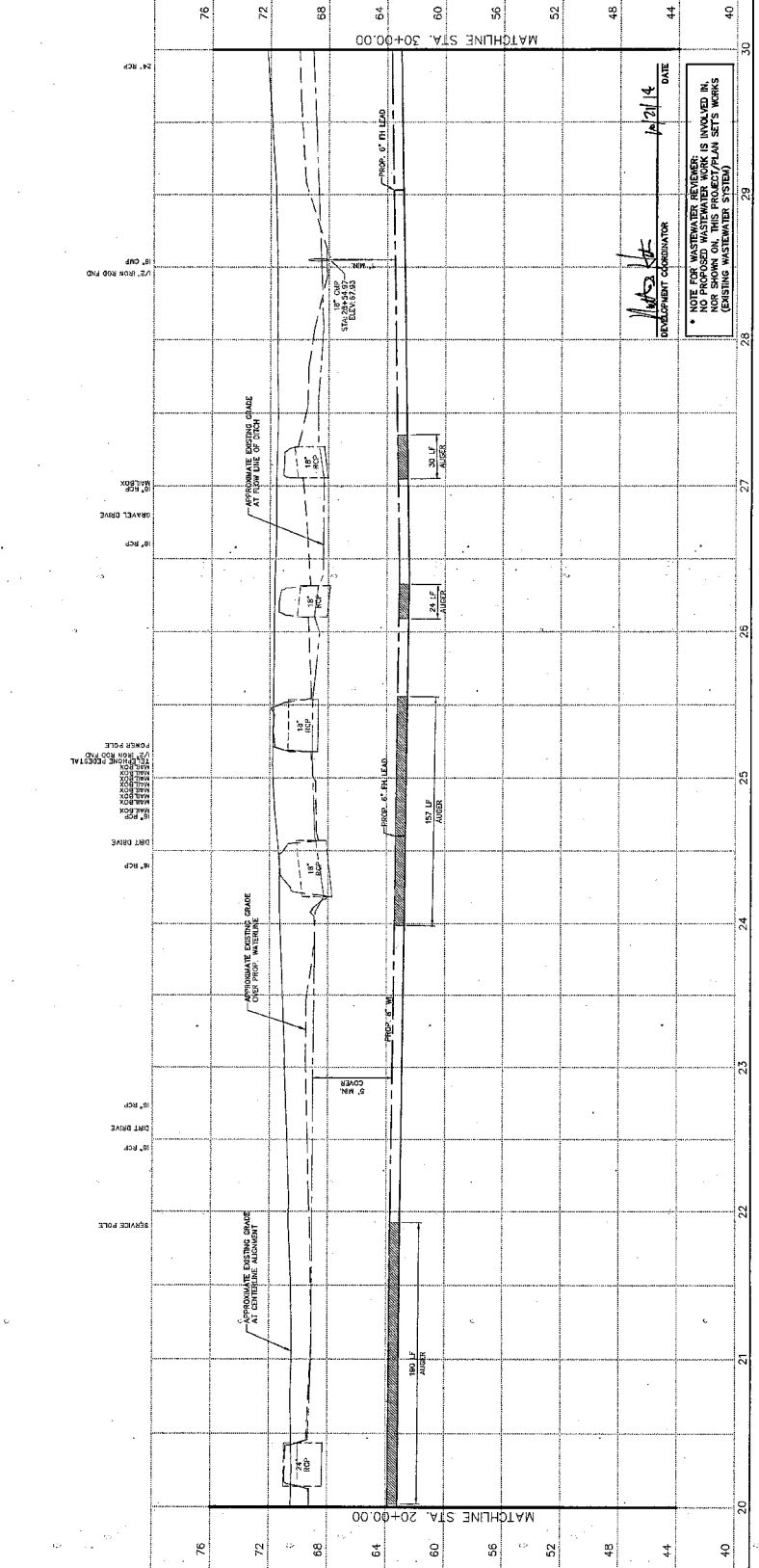
JACOBS
 8888 RICHMOND ROAD
 SUITE 200
 HOUSTON, TEXAS 77057
 PHONE: 281.351.8000
 FAX: 281.351.8000
 WWW.JACOBS.COM

FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 9
 EVERGREEN STREET
 STA. 20+00.00 TO 30+00.00

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 PROJECT NO. 10-2-14
 DATE: 10-20-14
 DRAWING NUMBER: C3103
 SHEET NO. 12 OF 67



EVERGREEN STREET



*** NOTE FOR WASTEWATER REVIEWER:**
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN, NOR SHOWN ON, THIS PROJECT/PLAN SETS WORKS (EXISTING WASTEWATER SYSTEM)

[Signature]
 PROJECT COORDINATOR
 DATE: 10/21/14

PROPOSED UTILITY MAPS
 THIS DRAWING IS TO BE APPROXIMATELY 1/8" FEET EAST OF WEST END OF
 ROUTE 281. THE LOCATION OF ROUTE 281 ROAD (ANY IMPROVEMENTS TO
 THE ROAD) SHALL BE SHOWN BY A DASHED LINE. THE CENTERLINE OF ALL LINES
 SHALL BE 70.0 FEET FROM THE CENTERLINE OF ROUTE 281 ROAD.
 ELEVATION 70.0 FEET (BAND 88)

FEMA MAP INFORMATION:
 THIS PORTION OF THE PROJECT LIES IN THE SPECIAL FLOOD HAZARD
 ZONE. THE SPECIAL FLOOD HAZARD ZONE IS THE "FLOODWAY AREAS IN ZONE A"
 TO STATION 52+10 WHICH IS IN THE "FLOODWAY AREAS IN ZONE A"
 FLOOD HAZARD ZONE. THE SPECIAL FLOOD HAZARD ZONE IS THE "FLOODWAY
 AREAS IN ZONE A" AND FROM STATION 52+10 TO STATION
 52+15. THE SPECIAL FLOOD HAZARD ZONE IS THE "FLOODWAY AREAS
 IN ZONE A" AND FROM STATION 52+15 TO STATION 52+20. THE
 SPECIAL FLOOD HAZARD ZONE IS THE "FLOODWAY AREAS IN ZONE A"
 UNINCORPORATED AREAS, PAGE 305 OF 508, MAP NO. 4850000A.

NOTE: SEE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE.
 1. UNLESS NOTED OTHERWISE.

FOR BUNDLED UTILITY INFORMATION
 TWO (2) BUSINESS DAYS
 (800) 833-8333 (TOLL FREE)
 (713) 833-8333 (LOCAL)
 (OR) 1-800-833-8333 (TOLL FREE)
 CITY UTILITIES ONE CALL
 www.onecall.com
 1-800-833-8333

VERIFICATION OF PRIVATE UTILITY LINES
 TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED,
 CALL CERTIFIED CONTRACTOR AT 713-807-2222

NOTES:
 1. ALL UTILITIES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY.
 2. ALL UTILITIES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY.
 3. ALL UTILITIES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY.

JACOBS
 1000 WEST 19TH STREET
 HOUSTON, TEXAS 77002
 MAIN: 832-351-6000
 TELEX: 832-351-6000

REVISIONS

NO.	DATE	DESCRIPTION
1	10-22-14	ISSUE FOR PERMIT
2	10-27-14	ISSUE FOR PERMIT

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1000 WEST 19TH STREET
 HOUSTON, TEXAS 77002
 PHONE: 832-351-6000
 FAX: 832-351-6000

PROJECT: FRESHWATER SUPPLY DISTRICT NO. 1 WATER SYSTEM IMPROVEMENTS PHASE 3
LOCATION: EVERGREEN STREET STA 50+00 TO STA 60+00

DATE: 10/27/14

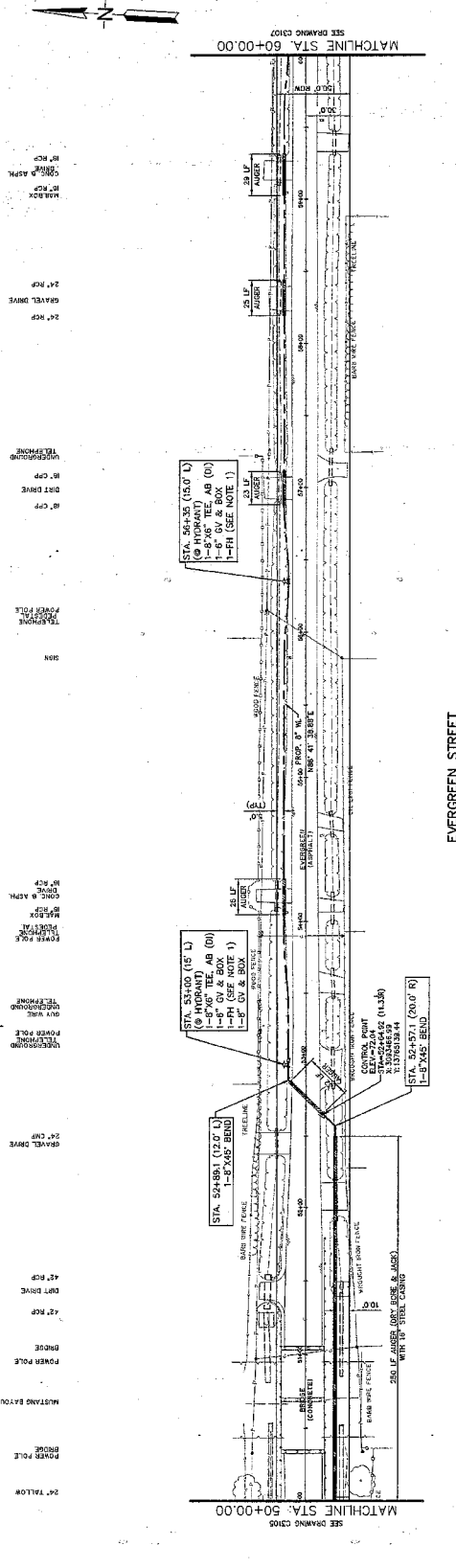
FILE NO.: C3106
FOR CITY OF HOUSTON USE ONLY

DRIVING SCALE
 HORIZ. 1" = 40'
 VERT. 1" = 4'

SHEET NO. 15 OF 67

PROJECT INFORMATION:
 PROJECT NO. 14-000000-0000
 CONTRACT NO. 14-000000-0000
 DRAWING NO. C3106
 SHEET NO. 15 OF 67

DATE: 10/27/14
DEVELOPMENT COORDINATOR:
NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT. (EXISTING WASTEWATER SYSTEM)



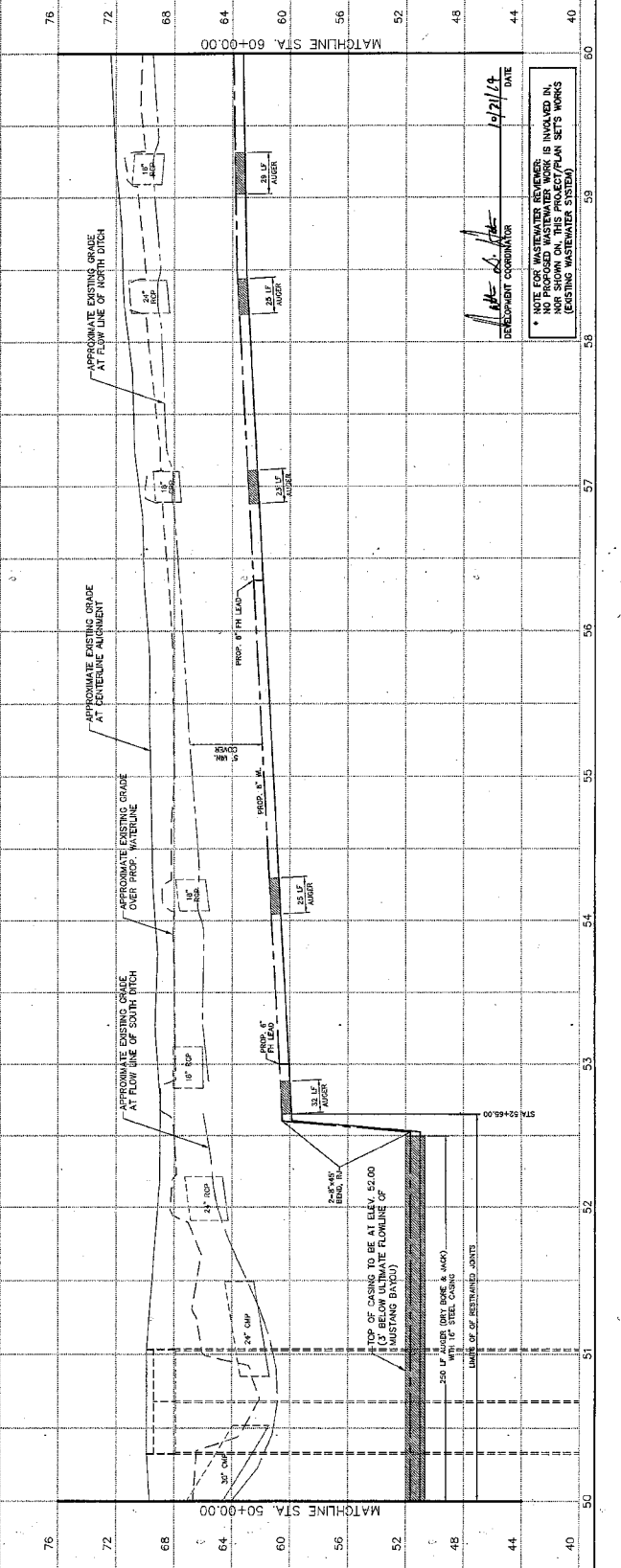
EVERGREEN STREET

MATCHLINE STA. 50+00.00

MATCHLINE STA. 60+00.00

SEE DRAWING C3105

24\"/>



VERIFICATION OF PRIVATE UTILITY LINES

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED,
 CALL CERTIFIED CONTRACTOR AT 713-807-2222

NOTES:
 1. ALL UTILITIES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY.
 2. ALL UTILITIES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY.
 3. ALL UTILITIES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY.

JACOBS
 1000 WEST 19TH STREET
 HOUSTON, TEXAS 77002
 MAIN: 832-351-6000
 TELEX: 832-351-6000

REVISIONS

NO.	DATE	DESCRIPTION
1	10-22-14	ISSUE FOR PERMIT
2	10-27-14	ISSUE FOR PERMIT

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1000 WEST 19TH STREET
 HOUSTON, TEXAS 77002
 PHONE: 832-351-6000
 FAX: 832-351-6000

PROJECT: FRESHWATER SUPPLY DISTRICT NO. 1 WATER SYSTEM IMPROVEMENTS PHASE 3
LOCATION: EVERGREEN STREET STA 50+00 TO STA 60+00

DATE: 10/27/14

FILE NO.: C3106
FOR CITY OF HOUSTON USE ONLY

DRIVING SCALE
 HORIZ. 1" = 40'
 VERT. 1" = 4'

SHEET NO. 15 OF 67

PROJECT INFORMATION:
 PROJECT NO. 14-000000-0000
 CONTRACT NO. 14-000000-0000
 DRAWING NO. C3106
 SHEET NO. 15 OF 67

DATE: 10/27/14
DEVELOPMENT COORDINATOR:
NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT. (EXISTING WASTEWATER SYSTEM)

PROJECT BENCHMARK: 588
 BENCH MARK IS 1.67 FEET EAST OF WEST END OF
 SOUTH COURSE OF RAILROADS AS SHOWN ON PLAT 100-100
 SOUTH COURSE OF RAILROADS AS SHOWN ON PLAT 100-100
 PER FEET OF THE CENTERLINE OF STATE ROUTE 288 AND 3 FEET
 EAST OF THE CENTERLINE OF DALLAS RD.
 ELEVATION 10.7 FEET (MEAS 88)

REMA MAP INFORMATION:
 THE PORTION OF THE PROJECT LIES IN THE (UNINCORPORATED) TOWNSHIP
 OF FORT BEND COUNTY, TEXAS. THE PROJECT LIES IN THE
 UNINCORPORATED AREA, PAGES 315 OF 375, MAP NO. 4850000000.
 SECTION 10.7 FEET (MEAS 88)

NOTE:
 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE,
 UNLESS NOTED OTHERWISE.

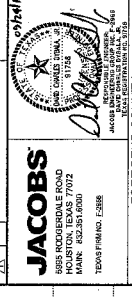
FOR BARRIED UTILITY INFORMATION
 TWO (2) BUSINESS DAYS
 BEFORE YOU DIG CALL 811
 (OR 1-800-486-6844 Local 811)
 UTILITY INFORMATION ONE CALL
 www.onecall811.com

NOTICE:
 CALL CENTERPOINT ENERGY AT 713-597-2222.
 FOR YOUR OWN PROTECTION, YOU MUST OBTAIN A PERMIT FROM THE
 CITY OF HOUSTON BEFORE YOU BEGIN ANY WORK ON THE
 PROJECT. THIS PERMIT DOES NOT RELIEVE YOU OF YOUR OBLIGATION TO OBTAIN
 ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES.

VERIFICATION OF PRIVATE UTILITY LINES

DATE: 10-16-14
 DRAWN BY: J. L. LAMBERT
 CHECKED BY: J. L. LAMBERT
 DATE: 10-16-14

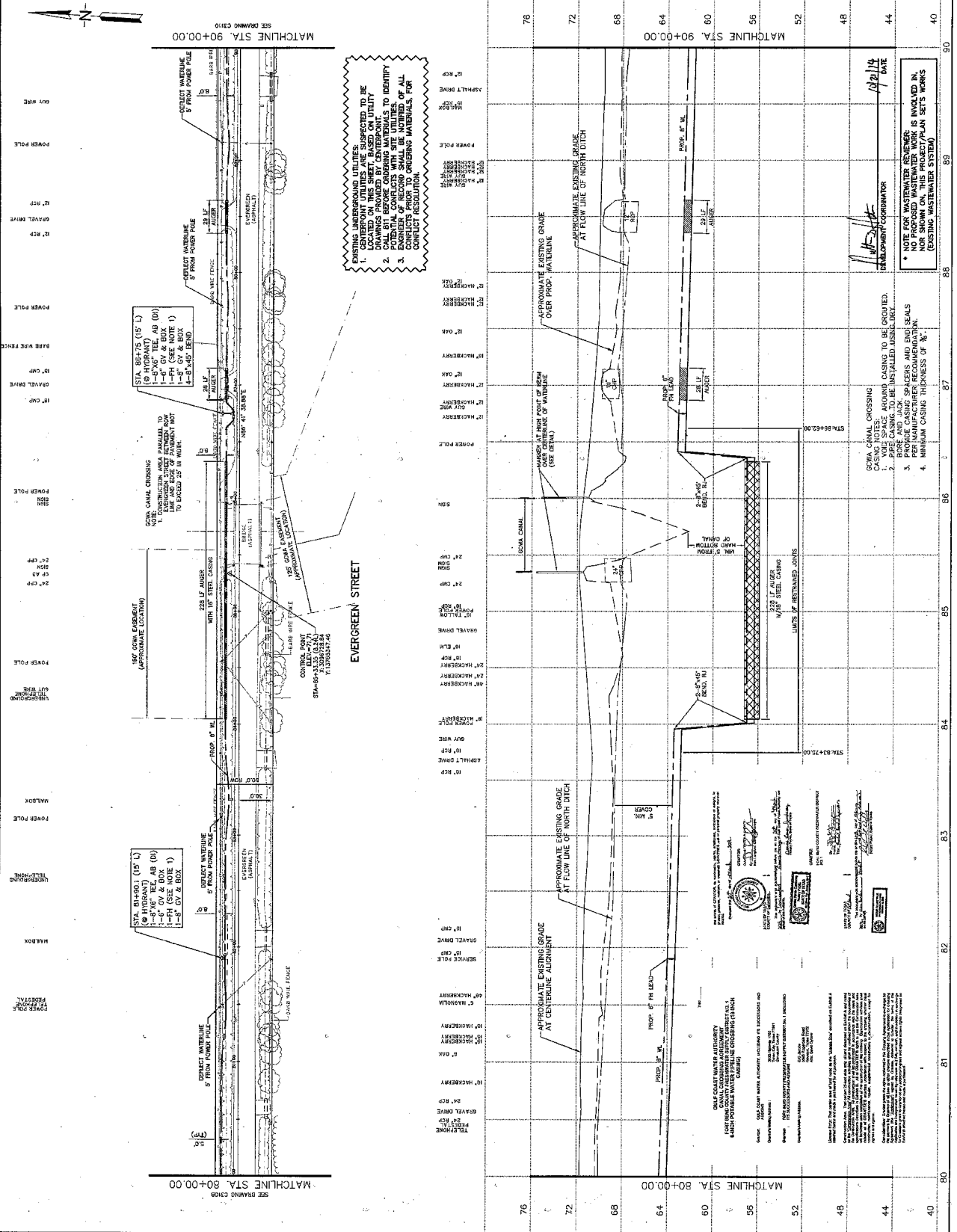
FOR YOUR OWN PROTECTION, YOU MUST OBTAIN A PERMIT FROM THE CITY OF HOUSTON BEFORE YOU BEGIN ANY WORK ON THE PROJECT. THIS PERMIT DOES NOT RELIEVE YOU OF YOUR OBLIGATION TO OBTAIN ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES.



JACOBS
 6805 ROODEVALE ROAD
 HOUSTON, TEXAS 77057
 TEL: 281.417.1000
 FAX: 281.417.1001
 WWW.JACOBS.COM

FORT BEND COUNTY
 FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 9
 EVERGREEN STREET
 STA 80+00 TO STA 90+00

NOTE: CITY PERMITS MUST BE OBTAINED FOR THIS PROJECT. A PERMIT DATE OF 01/21/14 IS SHOWN.
 CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 PROJECT NO. 10-14-0000000000
 SHEET NO. 18 OF 67



PROJECT REVISIONS:
 THIS DRAWING IS TO BE USED FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. ANY CHANGES TO THE PROJECT MUST BE APPROVED BY THE ENGINEER OF RECORD. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED ON THIS DRAWING. THE USER OF THIS DRAWING IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER OF THIS DRAWING IS RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE FIELD. THE USER OF THIS DRAWING IS RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE FIELD. THE USER OF THIS DRAWING IS RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE FIELD.

FOR BIDDING UTILITY INFORMATION:
 TWO (2) BUSINESS DAYS BEFORE YOU DIG CALL 811 (OR 1-800-485-8444 (see SH 811) UTILITY INFORMATION ONE CALL www.onecall.com

VERIFICATION OF PRIVATE UTILITY LINES:
 TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERLINE SERVICE AT 713-267-2222. NO TOLERANCE.

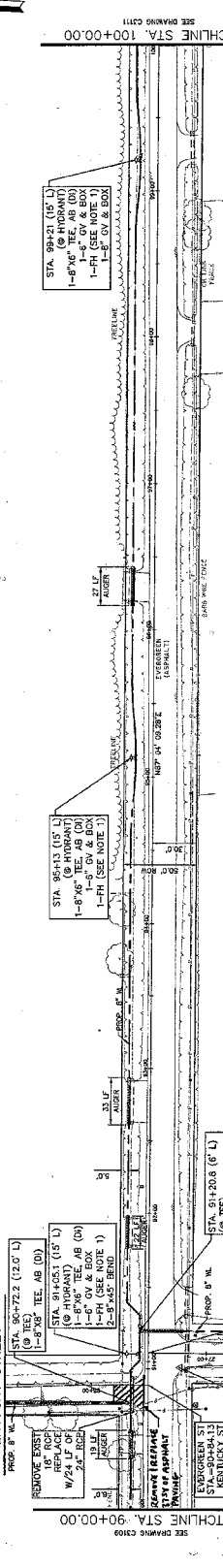
VERIFICATION OF PRIVATE UTILITY LINES:
 TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERLINE SERVICE AT 713-267-2222. NO TOLERANCE.

JACOBS
 6666 RIVERSIDE ROAD
 FORT BEND COUNTY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 EVERGREEN STREET
 STA 90+00 TO STA 100+00

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WATERWORKS DIVISION
 STATION: 100+00.00
 SHEET: 19 OF 67

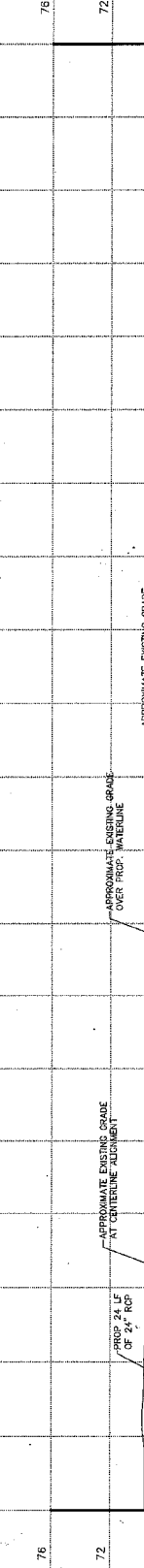
811
 CALL CENTERLINE SERVICE AT 713-267-2222

811
 CALL CENTERLINE SERVICE AT 713-267-2222



EXISTING UNDERGROUND UTILITIES SUSPECTED TO BE LOCATED ON THIS SHEET, BASED ON UTILITY RECORDS AND FIELD SURVEY DATA. CALLING RECORDS AND FIELD SURVEY DATA TO IDENTIFY POTENTIAL CONFLICTS WITH SITE UTILITIES. CONFLICTS SHOULD BE IDENTIFIED AND RESOLVED BEFORE ANY CONSTRUCTION BEGINS. COMPLETE PLOTS TO OBTAIN MATERIALS FOR CONFLICT RESOLUTION.

STATION	UTILITY	DEPTH (FEET)	REMARKS
90+00.00	1-8" GAS	18"	SEE DRAWING CH83
90+00.00	1-8" TEL	18"	SEE DRAWING CH83
90+00.00	1-8" AB	18"	SEE DRAWING CH83
90+00.00	1-8" GY & BOX	18"	SEE DRAWING CH83
90+00.00	1-4" CH	18"	SEE DRAWING CH83
90+00.00	1-8" GY & BOX	18"	SEE DRAWING CH83
92+00.00	1-8" GAS	18"	SEE DRAWING CH83
92+00.00	1-8" TEL	18"	SEE DRAWING CH83
92+00.00	1-8" AB	18"	SEE DRAWING CH83
92+00.00	1-8" GY & BOX	18"	SEE DRAWING CH83
92+00.00	1-4" CH	18"	SEE DRAWING CH83
92+00.00	1-8" GY & BOX	18"	SEE DRAWING CH83
94+00.00	1-8" GAS	18"	SEE DRAWING CH83
94+00.00	1-8" TEL	18"	SEE DRAWING CH83
94+00.00	1-8" AB	18"	SEE DRAWING CH83
94+00.00	1-8" GY & BOX	18"	SEE DRAWING CH83
94+00.00	1-4" CH	18"	SEE DRAWING CH83
94+00.00	1-8" GY & BOX	18"	SEE DRAWING CH83
96+00.00	1-8" GAS	18"	SEE DRAWING CH83
96+00.00	1-8" TEL	18"	SEE DRAWING CH83
96+00.00	1-8" AB	18"	SEE DRAWING CH83
96+00.00	1-8" GY & BOX	18"	SEE DRAWING CH83
96+00.00	1-4" CH	18"	SEE DRAWING CH83
96+00.00	1-8" GY & BOX	18"	SEE DRAWING CH83
98+00.00	1-8" GAS	18"	SEE DRAWING CH83
98+00.00	1-8" TEL	18"	SEE DRAWING CH83
98+00.00	1-8" AB	18"	SEE DRAWING CH83
98+00.00	1-8" GY & BOX	18"	SEE DRAWING CH83
98+00.00	1-4" CH	18"	SEE DRAWING CH83
98+00.00	1-8" GY & BOX	18"	SEE DRAWING CH83
100+00.00	1-8" GAS	18"	SEE DRAWING CH83
100+00.00	1-8" TEL	18"	SEE DRAWING CH83
100+00.00	1-8" AB	18"	SEE DRAWING CH83
100+00.00	1-8" GY & BOX	18"	SEE DRAWING CH83
100+00.00	1-4" CH	18"	SEE DRAWING CH83
100+00.00	1-8" GY & BOX	18"	SEE DRAWING CH83



NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT. THE EXISTING WASTEWATER SYSTEM IS TO REMAIN AS SHOWN ON THE EXISTING WASTEWATER SYSTEM PLAN SETS.

NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT. THE EXISTING WASTEWATER SYSTEM IS TO REMAIN AS SHOWN ON THE EXISTING WASTEWATER SYSTEM PLAN SETS.

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 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT. THE EXISTING WASTEWATER SYSTEM IS TO REMAIN AS SHOWN ON THE EXISTING WASTEWATER SYSTEM PLAN SETS.

NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT. THE EXISTING WASTEWATER SYSTEM IS TO REMAIN AS SHOWN ON THE EXISTING WASTEWATER SYSTEM PLAN SETS.

PROJECT BENCHMARK:
 THIS BENCHMARK HAS BEEN SET BY THE SURVEYOR IN THE (UPWARD) TOWNSHIP
 SOUTH CORNER CORNER OF AN OPEN LOT UNDER STATE TOWNSHIP
 PLAT 101, RANGE 10S, TOWNSHIP 10S, RANGE 10S, TOWNSHIP 10S,
 COUNTY OF DALLAS, TEXAS. THE BENCHMARK IS 10 FEET EAST OF THE
 CENTERLINE OF STATE ROUTE 284 AND IS 10 FEET
 ELEVATION 70.00 FEET (MVD 81)

FIELD MAP INFORMATION:
 THIS PROJECT LIES IN THE (UPWARD) TOWNSHIP
 SOUTH CORNER CORNER OF AN OPEN LOT UNDER STATE TOWNSHIP
 PLAT 101, RANGE 10S, TOWNSHIP 10S, RANGE 10S, TOWNSHIP 10S,
 COUNTY OF DALLAS, TEXAS. THE BENCHMARK IS 10 FEET EAST OF THE
 CENTERLINE OF STATE ROUTE 284 AND IS 10 FEET
 ELEVATION 70.00 FEET (MVD 81)

NOTE:
 1. THESE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE,
 UNLESS NOTED OTHERWISE.

FOR BIDDING UTILITY INFORMATION
 TWO (2) BUSINESS DAYS
 BEFORE YOU BID CALL 811
 (OR 1-800-556-5000 TROUBLE) 811
 UTILITY NOTIFICATION ONE CALL
 www.onecall.com



TO ARRANGE FOR LINES TO BE TURNED OFF FOR LOCATED,
 CALL CENTERPOINT ENERGY AT 713-207-2222.
NOTICE:
 This drawing was prepared by the contractor under the supervision of the engineer.
 The engineer is not responsible for the accuracy of the information provided by the contractor.

VERIFICATION OF PRIVATE UTILITY LINES

Company: *Leads* Date: *10-27-14*
 Engineer: *[Signature]* Date: *10-27-14*
 Surveyor: *[Signature]* Date: *10-27-14*

REVISIONS: DATE

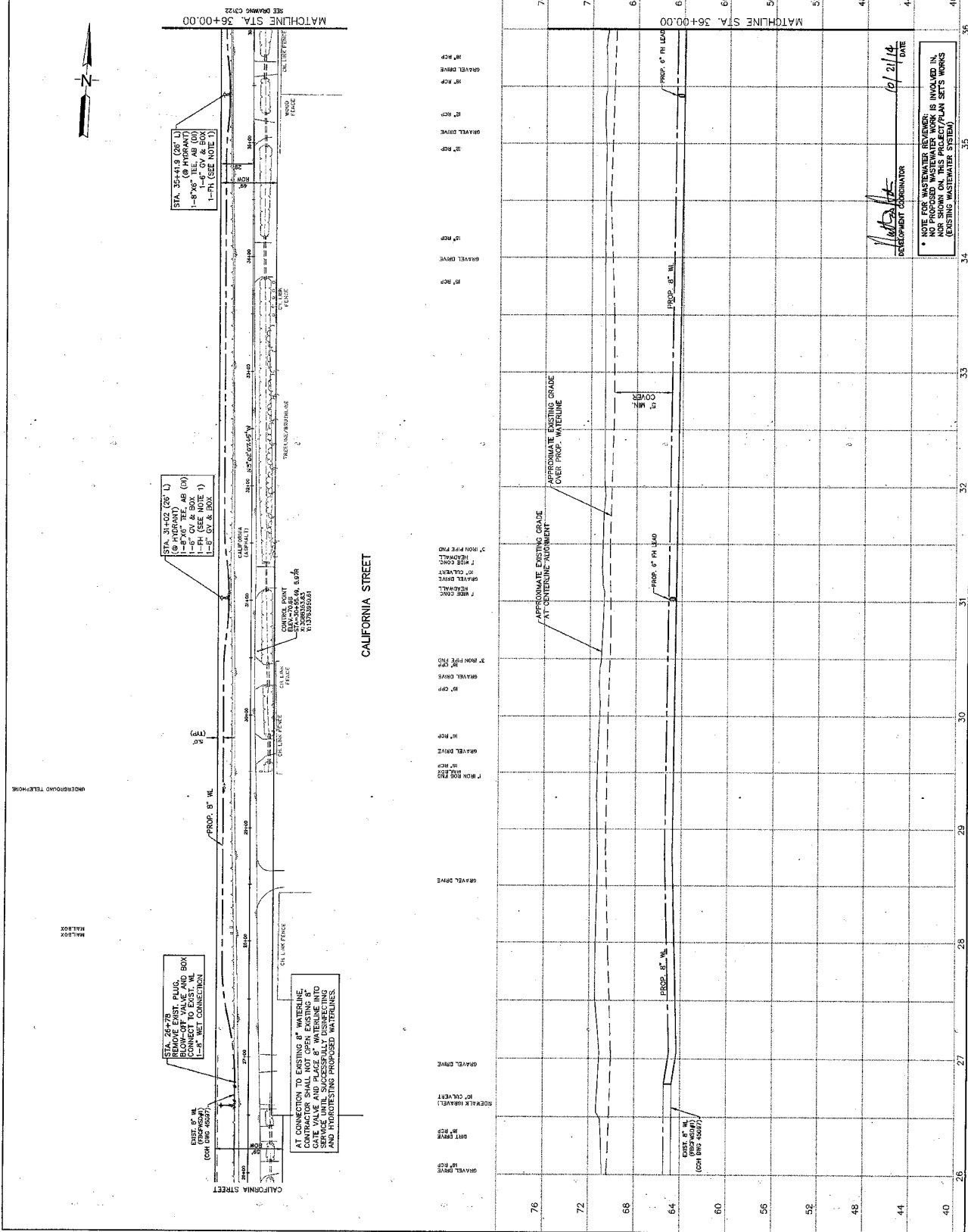
APP	REVISIONS	DATE

JACOBS
 5884 RODGERDALE ROAD
 HOUSTON, TEXAS 77027
 PHONE: 281.973.8000
 FAX: 281.973.8001

FORT BEND COUNTY
 FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 CALIFORNIA STREET
 STA. 28+00.00 TO 36+00.00

NOTE: CITY OF HOUSTON SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
 CITY OF HOUSTON SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
 CITY OF HOUSTON SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 PROJECT NO. 14-119
 DRAWING NUMBER: C3121
 SHEET NO. 21 OF 67



STA. 34+4.5 (36' L)
 1-8" PVC WATERLINE (W)
 1-8" PVC WATERLINE (W)
 1-8" PVC WATERLINE (W)
 1-8" PVC WATERLINE (W)
 1-8" PVC WATERLINE (W)

STA. 31+02 (36' L)
 1-8" PVC WATERLINE (W)
 1-8" PVC WATERLINE (W)
 1-8" PVC WATERLINE (W)
 1-8" PVC WATERLINE (W)
 1-8" PVC WATERLINE (W)

STA. 26+78
 1-8" PVC WATERLINE (W)
 1-8" PVC WATERLINE (W)
 1-8" PVC WATERLINE (W)
 1-8" PVC WATERLINE (W)
 1-8" PVC WATERLINE (W)

AT CONNECTION TO EXISTING 8" WATERLINE,
 CONTRACTOR SHALL NOT OPEN EXISTING 8"
 WATERLINE UNTIL SUCCESSFULLY DISCONNECTING
 AND HYDRANTING PROPOSED WATERLINES.

REVISIONS:
 DATE
 10/21/14

NOTE FOR WASTEWATER REVIEW:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN
 THIS PROJECT/PLAN SETS WORKS
 (EXISTING WASTEWATER SYSTEM)

PROJECT BENCHMARK:
 NGCS DESIGNATED W 7500
 SOUTH CONCRETE EXPOSED, 48" DIA. ALL AT LOWER ELEVATION
 SOUTH OF THE CENTERLINE OF STATION 36+00.00 AND 3 FEET
 ELEVATION TO 10 FEET (NAVD 88)

FIELD MAP INFORMATION:
 THIS PORTION OF THE PROJECT LIES IN THE (UNBARRICAD) TOWER
 AREA, ZONE 2 (OUTSIDE SOUTH PLAZA) PER FEMA F.I.R.M. UNINCORPORATED
 AREAS, PANEL 382 OF 538, MAP NO. 48020001.

NOTE:
 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE,
 UNLESS NOTED OTHERWISE.



FOR BIDDING UTILITY INFORMATION
 TWO (2) BUSINESS DAYS
 BEFORE YOU DIG CALL 811
 (OR 1-800-546-4000 TOLLFREE)
 UTILITY NOTIFICATION ONE CALL 811
 www.onecall811.com

TO AVERAGE FOR LINES TO BE TURNED OFF OR MOVED,
 CALL CENTERPOINT ENERGY AT 713-207-2222

NOTICE:
 THE UTILITY LOCATIONS SHOWN ON THIS DRAWING ARE BASED ON THE
 INFORMATION PROVIDED BY THE UTILITY OWNERS. THE CONTRACTOR SHALL
 VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.

VERIFICATION OF PRIVATE UTILITY LINES
 X *Green* Date: 10-6-14
 Y *Green* Date: 10-7-14

APP: _____ DATE: _____
 REVISIONS: _____

JACOBS
 3888 RODRIGUEZ ROAD
 HOUSTON, TEXAS 77072
 PHONE: 281-419-6600
 FAX: 281-419-6601
 WWW.JACOBS.COM

FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 CALIFORNIA STREET
 STA. 36+00.00 TO EVERGREEN STREET

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 PROJECT NO. 10-7-14
 DRAWING NO. C-3122

NOTE: CITY RESOURCES WOULD BE USED FOR ONLY THE PORTION OF THE DRAWING
 WITHIN THE CITY OF HOUSTON.

DRAWING SCALE:
 HORIZ. 1" = 40'
 VERT. 1" = 4'

SHEET NO. 22 OF 67

PROJECT BENCHMARK:
 NGCS DESIGNATED W 7500
 SOUTH CONCRETE EXPOSED, 48" DIA. ALL AT LOWER ELEVATION
 SOUTH OF THE CENTERLINE OF STATION 36+00.00 AND 3 FEET
 ELEVATION TO 10 FEET (NAVD 88)

FIELD MAP INFORMATION:
 THIS PORTION OF THE PROJECT LIES IN THE (UNBARRICAD) TOWER
 AREA, ZONE 2 (OUTSIDE SOUTH PLAZA) PER FEMA F.I.R.M. UNINCORPORATED
 AREAS, PANEL 382 OF 538, MAP NO. 48020001.

NOTE:
 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE,
 UNLESS NOTED OTHERWISE.

FOR BIDDING UTILITY INFORMATION
 TWO (2) BUSINESS DAYS
 BEFORE YOU DIG CALL 811
 (OR 1-800-546-4000 TOLLFREE)
 UTILITY NOTIFICATION ONE CALL 811
 www.onecall811.com

TO AVERAGE FOR LINES TO BE TURNED OFF OR MOVED,
 CALL CENTERPOINT ENERGY AT 713-207-2222

NOTICE:
 THE UTILITY LOCATIONS SHOWN ON THIS DRAWING ARE BASED ON THE
 INFORMATION PROVIDED BY THE UTILITY OWNERS. THE CONTRACTOR SHALL
 VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.

VERIFICATION OF PRIVATE UTILITY LINES
 X *Green* Date: 10-6-14
 Y *Green* Date: 10-7-14

APP: _____ DATE: _____
 REVISIONS: _____

JACOBS
 3888 RODRIGUEZ ROAD
 HOUSTON, TEXAS 77072
 PHONE: 281-419-6600
 FAX: 281-419-6601
 WWW.JACOBS.COM

FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 CALIFORNIA STREET
 STA. 36+00.00 TO EVERGREEN STREET

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 PROJECT NO. 10-7-14
 DRAWING NO. C-3122

NOTE: CITY RESOURCES WOULD BE USED FOR ONLY THE PORTION OF THE DRAWING
 WITHIN THE CITY OF HOUSTON.

DRAWING SCALE:
 HORIZ. 1" = 40'
 VERT. 1" = 4'

SHEET NO. 22 OF 67

PROJECT BENCHMARK:
 NGCS DESIGNATED W 7500
 SOUTH CONCRETE EXPOSED, 48" DIA. ALL AT LOWER ELEVATION
 SOUTH OF THE CENTERLINE OF STATION 36+00.00 AND 3 FEET
 ELEVATION TO 10 FEET (NAVD 88)

FIELD MAP INFORMATION:
 THIS PORTION OF THE PROJECT LIES IN THE (UNBARRICAD) TOWER
 AREA, ZONE 2 (OUTSIDE SOUTH PLAZA) PER FEMA F.I.R.M. UNINCORPORATED
 AREAS, PANEL 382 OF 538, MAP NO. 48020001.

NOTE:
 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE,
 UNLESS NOTED OTHERWISE.

FOR BIDDING UTILITY INFORMATION
 TWO (2) BUSINESS DAYS
 BEFORE YOU DIG CALL 811
 (OR 1-800-546-4000 TOLLFREE)
 UTILITY NOTIFICATION ONE CALL 811
 www.onecall811.com

TO AVERAGE FOR LINES TO BE TURNED OFF OR MOVED,
 CALL CENTERPOINT ENERGY AT 713-207-2222

NOTICE:
 THE UTILITY LOCATIONS SHOWN ON THIS DRAWING ARE BASED ON THE
 INFORMATION PROVIDED BY THE UTILITY OWNERS. THE CONTRACTOR SHALL
 VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.

VERIFICATION OF PRIVATE UTILITY LINES
 X *Green* Date: 10-6-14
 Y *Green* Date: 10-7-14

APP: _____ DATE: _____
 REVISIONS: _____

JACOBS
 3888 RODRIGUEZ ROAD
 HOUSTON, TEXAS 77072
 PHONE: 281-419-6600
 FAX: 281-419-6601
 WWW.JACOBS.COM

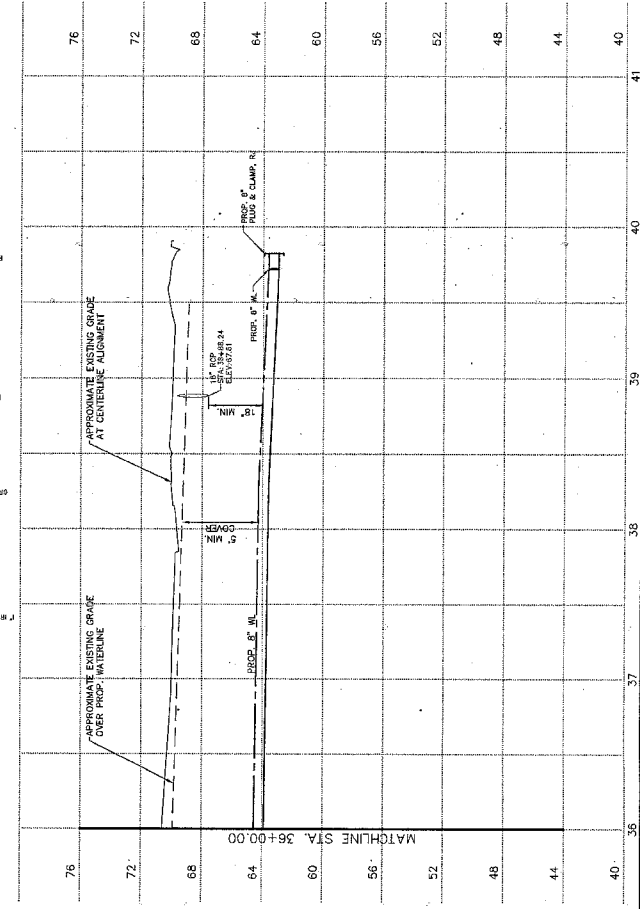
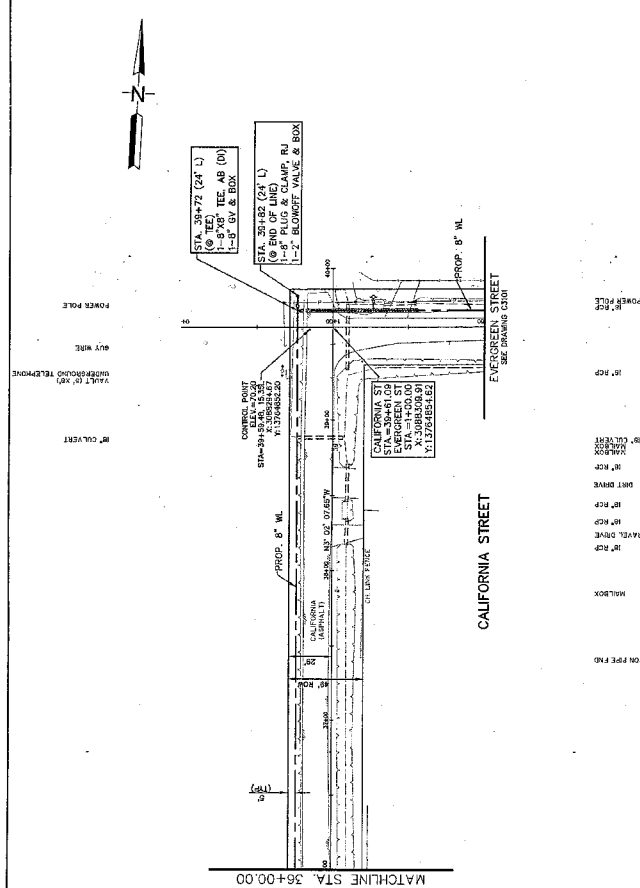
FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 CALIFORNIA STREET
 STA. 36+00.00 TO EVERGREEN STREET

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 PROJECT NO. 10-7-14
 DRAWING NO. C-3122

NOTE: CITY RESOURCES WOULD BE USED FOR ONLY THE PORTION OF THE DRAWING
 WITHIN THE CITY OF HOUSTON.

DRAWING SCALE:
 HORIZ. 1" = 40'
 VERT. 1" = 4'

SHEET NO. 22 OF 67



DATE: 10/21/14
 DEVELOPER: [Signature]
 DEVELOPER COORDINATOR: [Signature]

* NOTE FOR WASTEWATER ENGINEER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN
 THIS PROJECT/PLAN SETS WORKS
 (EXISTING WASTEWATER SYSTEM)

PROJECT BENCHMARK: DESIGNATED IN 1988 SOUTH CORNER OF CORNER OF AVENUE 11 AND WEST 6th ST. THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11 IS THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11. THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11 IS THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11. THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11 IS THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11. THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11 IS THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11.

FROM MAP INFORMATION: THE MAP INFORMATION IS THE BASIS FOR THE LOCATION OF THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11. THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11 IS THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11. THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11 IS THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11. THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11 IS THE POINT OF BEGINNING OF THE CENTERLINE OF AVENUE 11.

NOTE: 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE. UNLESS NOTED OTHERWISE.

FOR MORE UTILITY INFORMATION, TWO (2) BUSINESS DAYS BEFORE YOU DIG CALL 811 (OR 1-800-485-6005 (texas)) UTILITY NOTIFICATION CALL 811 www.811.org

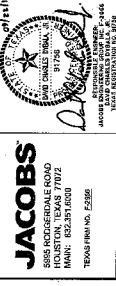


TO AVERAGE EXISTING GRADES TO THE PROPOSED GRADES, CALL CENTURION ENERGY AT 713-201-2222.

NOTICE: THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES.

VERIFICATION OF PRIVATE UTILITY LINES

APP	REVISIONS	DATE
1		
2		
3		
4		
5		



JACOBS
3885 ROGERSDALE ROAD
HOUSTON, TEXAS 77072
PHONE: (281) 351-7000
TELEFAX: (281) 351-7000

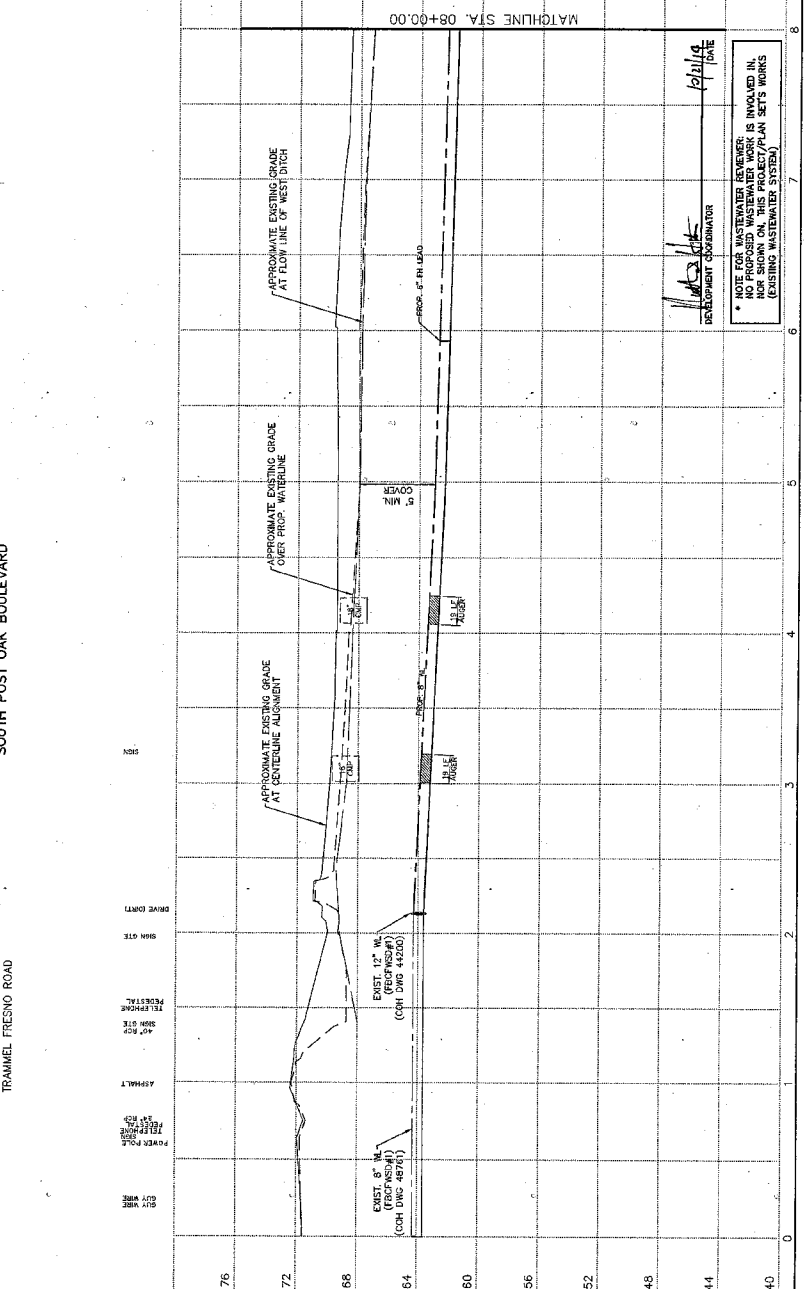
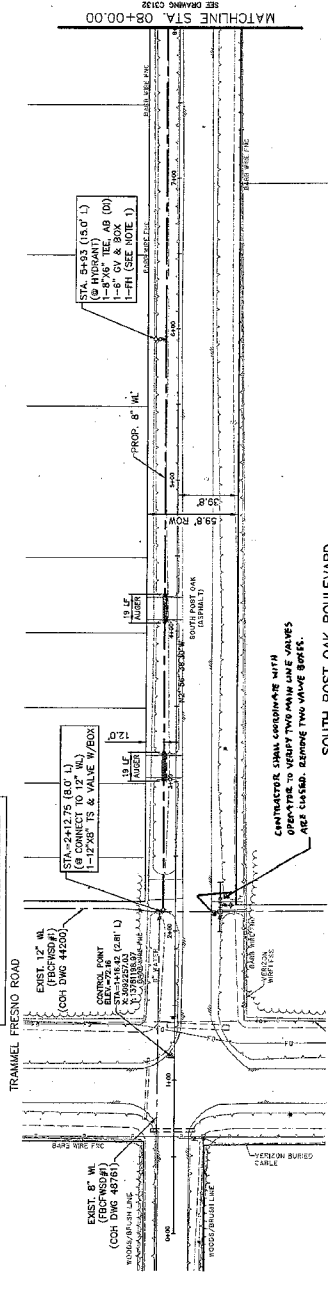
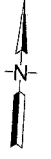
FORT BEND COUNTY
FRESHWATER SUPPLY DISTRICT NO. 1
WATER SYSTEM IMPROVEMENTS
PHASE 3

SOUTH POST OAK BOULEVARD
TRAMMEL-FRESNO ROAD TO STA 08+00

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
OFFICE OF WATER UTILITY
DATE: 10-10-14
DRAWING NUMBER: C3131
FOR CITY OF HOUSTON USE ONLY

811
DRAWING SCALE
HORIZ. 1" = 40'
VERT. 1" = 4'

SHEET NO. 23 OF 67



* NOTE FOR WASTEWATER SERVICES: NO PROPOSED WASTEWATER WORK IS INVOLVED IN, NOR SHOWN ON, THIS PROJECT/PLAN SETS WORKS (EXISTING WASTEWATER SYSTEM)

PROJECT BENCHMARKS:
 NOS DESIGNATED N 888
 SOUTH CONCRETE BENCHMARK OF AN 8" PIPE CASSETTE UNDER STATE
 PROJECT BENCHMARKS ARE LOCATED AT THE CENTERLINE OF SOUTH POST OAK BOULEVARD
 SOUTH OF THE CENTERLINE OF DALLAS RD.
 ELEVATION TO TOP OF BENCH MARK

FIELD MAP INFORMATION:
 THIS DRAWING IS FOR THE "SPECIAL FLOOD HAZARD
 AREA" - ZONE A (100-YEAR FLOOD) PER FEMA FLOOD REVISION APRIL
 2006. THIS DRAWING IS NOT TO BE USED FOR ANY OTHER PURPOSES.
 AREA: PANEL 318 OF 516, MAP NO. 49575001A.

NOTE:
 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE,
 UNLESS NOTED OTHERWISE.

FOR 811 UTILITY INFORMATION
 TWO (2) BUSINESS DAYS
 BEFORE YOU DIG CALL 811
 (OR 1-800-545-0000 TUESDAY)
 UTILITY PARTICIPATION USE CALL
 www.811.org www.texas811.com

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED,
 CALL CENTERPOINT ENERGY AT 713-207-2222
NOTICE:
 This drawing is for informational purposes only. It is not intended to be used for construction. The contractor shall verify the location and depth of all utilities before construction. The contractor shall be responsible for any damage to existing utilities. The contractor shall be responsible for any damage to existing utilities. The contractor shall be responsible for any damage to existing utilities.

VERIFICATION OF PRIVATE UTILITY LINES
 Date: 10-16-14
 Date: 10-7-14

JACOBS
 5805 RIVERSIDE ROAD
 HOUSTON, TEXAS 77072
 PHONE: 281-277-8000
 WWW.JACOBS.COM

FORT BEND COUNTY
FRESHWATER SUPPLY DISTRICT NO. 1
WATER SYSTEM IMPROVEMENTS
PHASE 3
 SOUTH POST OAK BOULEVARD
 STA 08+00 TO STA 18+00

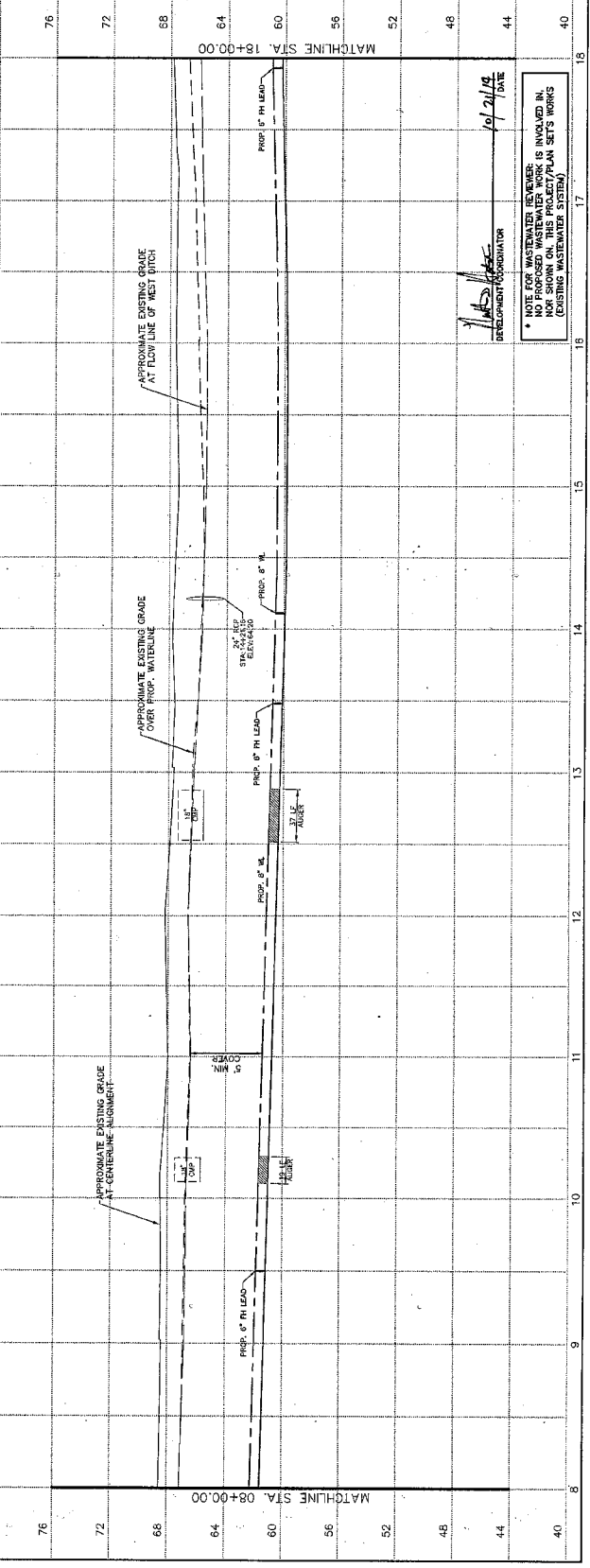
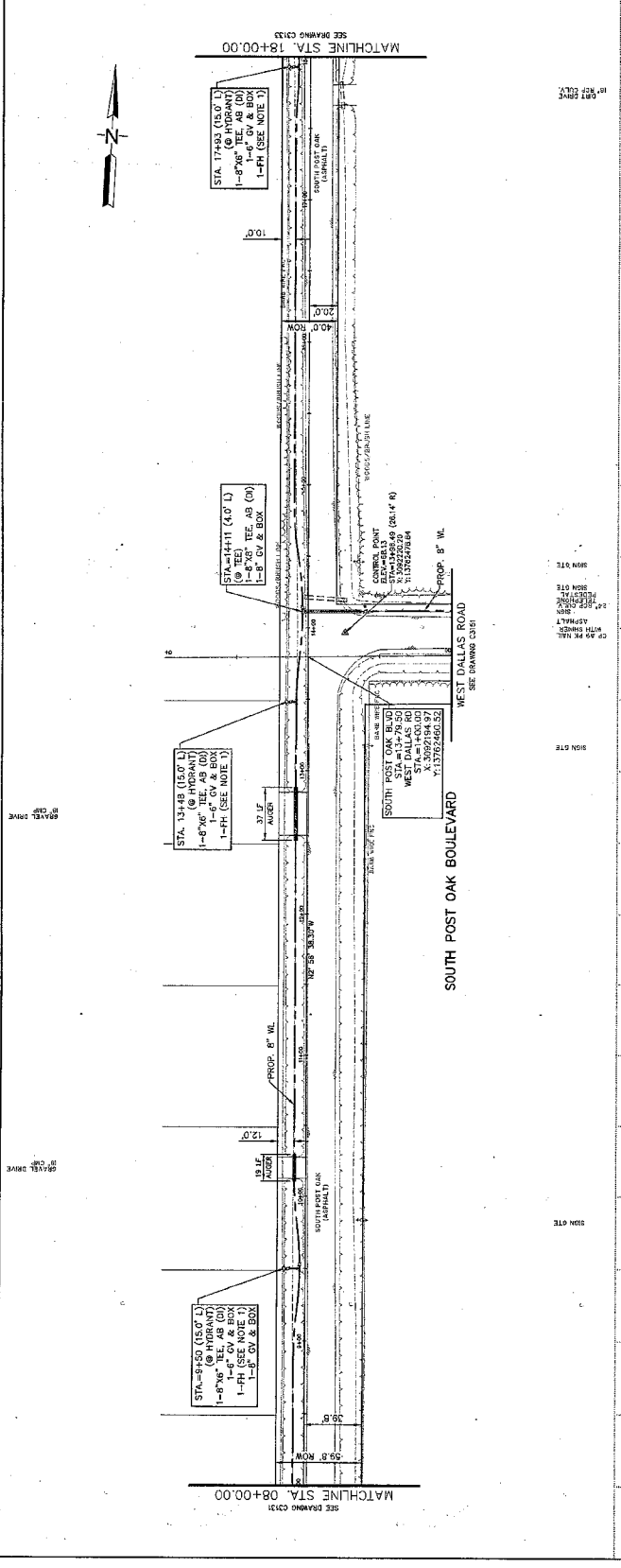
CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 PROJECT NO. 15-01-01-01-01
 DRAWING NUMBER: C-3132
 SHEET NO. 24 OF 67

REVISIONS

APP	DATE	DESCRIPTION

DRIVING SCALE
 SCALE: 1" = 40'
 WORK: 1" = 40'

FILE NO: C-3132
DATE: 10/21/14



NOTE FOR WASTEWATER SERVICES:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN,
 NOR SHOWN ON THIS PROJECT/PLAN SETS WORKS
 (EXISTING WASTEWATER SYSTEM)

DEVELOPMENT COORDINATOR: [Signature]

DATE: 10/21/14

PROJECT BACKGROUND
 THIS PROJECT IS PART OF THE FORT BEND COUNTY WATER TREATMENT PLANT AND DISTRIBUTION SYSTEM IMPROVEMENT PROJECT. THE PROJECT IS LOCATED AT THE INTERSECTION OF SOUTH POST OAK BLVD AND 8th STREET IN FORT BEND COUNTY, TEXAS. THE PROJECT IS A PART OF THE FORT BEND COUNTY WATER TREATMENT PLANT AND DISTRIBUTION SYSTEM IMPROVEMENT PROJECT. THE PROJECT IS A PART OF THE FORT BEND COUNTY WATER TREATMENT PLANT AND DISTRIBUTION SYSTEM IMPROVEMENT PROJECT.

FEMA MAP INFORMATION:
 THIS PROJECT LIES IN THE SPECIAL FLOOD HAZARD ZONE. THE PROJECT IS LOCATED IN THE SPECIAL FLOOD HAZARD ZONE. THE PROJECT IS LOCATED IN THE SPECIAL FLOOD HAZARD ZONE. THE PROJECT IS LOCATED IN THE SPECIAL FLOOD HAZARD ZONE.

NOTE:
 1. ALL HYDRANTS TO BE INSTALLED 5' OFF ROW LINE, UNLESS NOTED OTHERWISE.

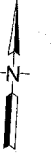
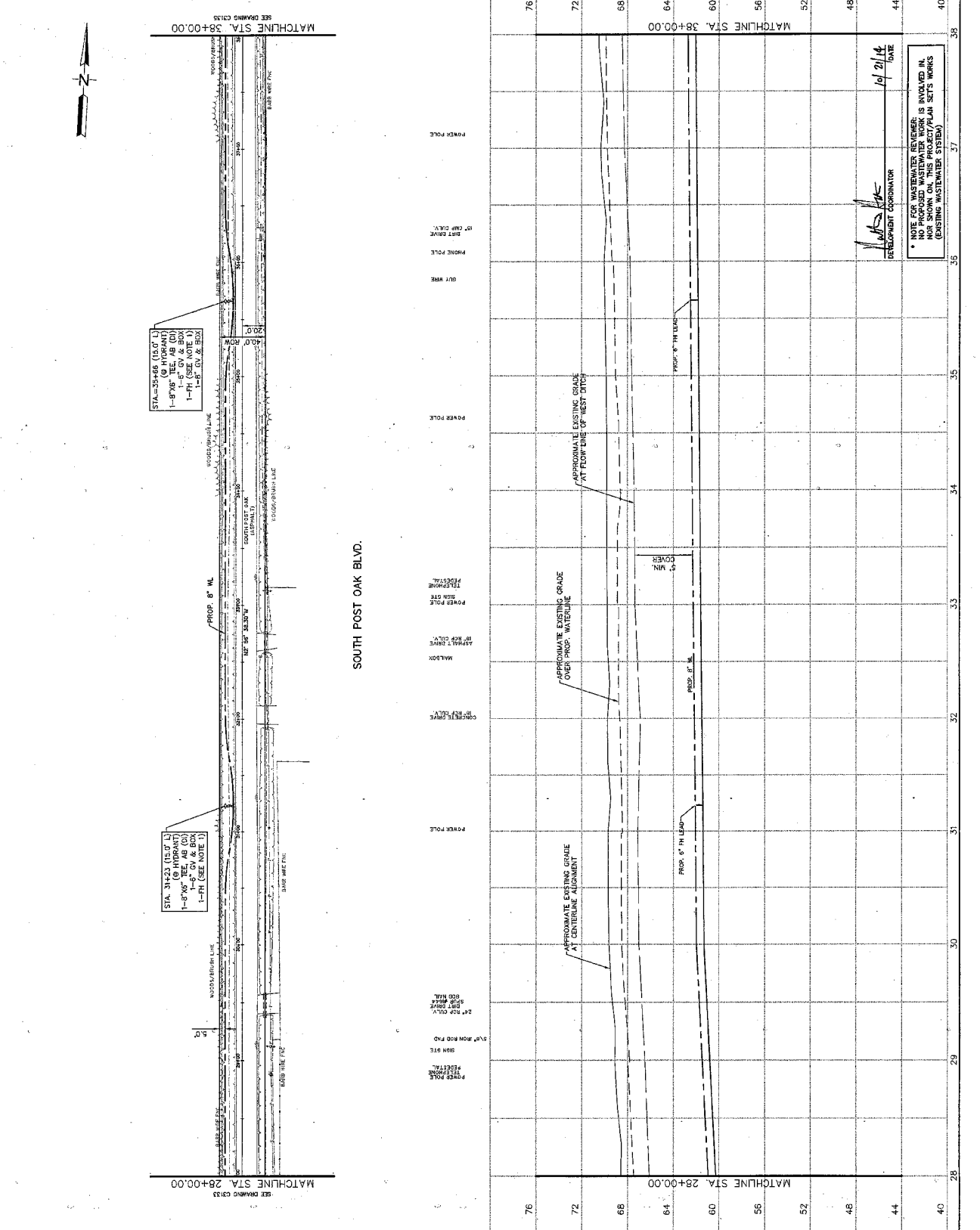
FOR BIDDING UTILITY INFORMATION:
 TWO (2) BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTRAL UTILITY AT 713-507-2222.
NOTICE:
 THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES.

VERIFICATION OF PRIVATE UTILITY LINES
 THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES.

JACOBS
 1000 WEST 19TH STREET
 HOUSTON, TEXAS 77072
 MAIN: 832-351-6000
 TRANS: 832-351-6000

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1000 WEST 19TH STREET
 HOUSTON, TEXAS 77072
 PHONE: 832-351-6000
 FAX: 832-351-6000



STA. 31+03 (15.0')
 1-8" W. TEE, AB (C)
 1-8" W. TEE, AB (C)
 1-PH (SEE NOTE 1)
 1-8" CV & BOX

STA. 31+03 (15.0')
 1-8" W. TEE, AB (C)
 1-8" W. TEE, AB (C)
 1-PH (SEE NOTE 1)
 1-8" CV & BOX

DATE: 10/21/14
 DEVELOPMENT COORDINATOR

* NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT.
 (EXISTING WASTEWATER SYSTEM)

APP.	REVISIONS	DATE
1	ISSUED FOR BIDDING	10/21/14
2	REVISED PER COMMENTS	10/21/14
3	REVISED PER COMMENTS	10/21/14
4	REVISED PER COMMENTS	10/21/14
5	REVISED PER COMMENTS	10/21/14
6	REVISED PER COMMENTS	10/21/14
7	REVISED PER COMMENTS	10/21/14
8	REVISED PER COMMENTS	10/21/14
9	REVISED PER COMMENTS	10/21/14
10	REVISED PER COMMENTS	10/21/14
11	REVISED PER COMMENTS	10/21/14
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33	REVISED PER COMMENTS	10/21/14
34	REVISED PER COMMENTS	10/21/14
35	REVISED PER COMMENTS	10/21/14
36	REVISED PER COMMENTS	10/21/14
37	REVISED PER COMMENTS	10/21/14
38	REVISED PER COMMENTS	10/21/14

811
 FOR BIDDING UTILITY INFORMATION
 TWO (2) BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTRAL UTILITY AT 713-507-2222.
NOTICE:
 THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES.

JACOBS
 1000 WEST 19TH STREET
 HOUSTON, TEXAS 77072
 MAIN: 832-351-6000
 TRANS: 832-351-6000

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1000 WEST 19TH STREET
 HOUSTON, TEXAS 77072
 PHONE: 832-351-6000
 FAX: 832-351-6000

PROJECT NUMBER: C3134
 SHEET NO. 26 OF 87

PROJECT BACKGROUND:
 THIS PROJECT IS A PART OF THE FRESHWATER SUPPLY DISTRICT NO. 1 WATER MAINS AND UNINCORPORATED TRUNK LINES PROJECT. THE PROJECT IS LOCATED IN THE WEST END OF FRESHWATER SUPPLY DISTRICT NO. 1, APPROXIMATELY 1/4 MILE EAST OF WEST END OF SOUTH POST OAK BOULEVARD. THE PROJECT IS A PART OF THE FRESHWATER SUPPLY DISTRICT NO. 1 WATER MAINS AND UNINCORPORATED TRUNK LINES PROJECT. THE PROJECT IS LOCATED IN THE WEST END OF FRESHWATER SUPPLY DISTRICT NO. 1, APPROXIMATELY 1/4 MILE EAST OF WEST END OF SOUTH POST OAK BOULEVARD. THE PROJECT IS A PART OF THE FRESHWATER SUPPLY DISTRICT NO. 1 WATER MAINS AND UNINCORPORATED TRUNK LINES PROJECT. THE PROJECT IS LOCATED IN THE WEST END OF FRESHWATER SUPPLY DISTRICT NO. 1, APPROXIMATELY 1/4 MILE EAST OF WEST END OF SOUTH POST OAK BOULEVARD.

FEMA MAP INFORMATION:
 THIS PROJECT IS IN THE UNINCORPORATED TRUNK LINES PROJECT. THE PROJECT IS LOCATED IN THE WEST END OF FRESHWATER SUPPLY DISTRICT NO. 1, APPROXIMATELY 1/4 MILE EAST OF WEST END OF SOUTH POST OAK BOULEVARD. THE PROJECT IS A PART OF THE FRESHWATER SUPPLY DISTRICT NO. 1 WATER MAINS AND UNINCORPORATED TRUNK LINES PROJECT. THE PROJECT IS LOCATED IN THE WEST END OF FRESHWATER SUPPLY DISTRICT NO. 1, APPROXIMATELY 1/4 MILE EAST OF WEST END OF SOUTH POST OAK BOULEVARD.

NOTE:
 1. THESE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE, UNLESS NOTED OTHERWISE.

FOR BIDDING UTILITY INFORMATION:
 TWO (2) BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE UTILITY OWNERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE UTILITY OWNERS.

TO AVOID DAMAGE TO UTILITIES, CALL 811 AT 713-697-2222.

VERIFICATION OF PRIVATE UTILITY LINES:
 DATE: 10-6-14
 BY: [Signature]

REVISIONS:
 DATE: 10-7-14
 BY: [Signature]

JACOBS
 HOUSTON, TEXAS 77077
 PHONE: 832-251-6000
 TEXAS PERMITS NO. E-5886

FRESHWATER SUPPLY DISTRICT NO. 1 WATER SYSTEM IMPROVEMENTS PHASE 3

SOUTH POST OAK BOULEVARD STA 48+00 TO STA 54+00

CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DATE: 10-1-14

PROJECT NUMBER: C-3136
DATE: 10/21/14

NOTE FOR WASTEWATER REVIEWER:
 THIS PROJECT IS INVOLVED IN THE EXISTING WASTEWATER SYSTEM.

CONCRETE CURB
44" TAPER
44" TAPER
5" CURB
5" CURB
GRAVEL DRIVE
GRAVEL DRIVE
ASPHALT DRIVE
ASPHALT DRIVE
ASPHALT DRIVE
ASPHALT DRIVE

STA. 48+25 (13.0' L) (9" HYDRANT) 1-8" CV & BOX 1-8" CV & BOX (SEE NOTE 1)

STA. 52+25 (13.0' L) (9" HYDRANT) 1-8" CV & BOX 1-8" CV & BOX (SEE NOTE 1)

STA. 52+46 (10.0' L) (9" END OF LINE) 1-8" PLUG & CLAMP RJ 1-3" SECRET VALVE & BOX

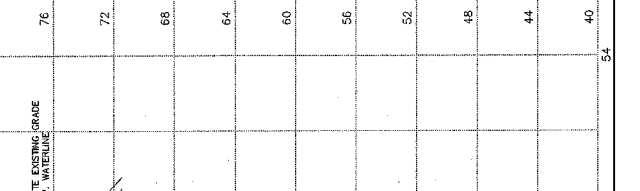


APPROXIMATE EXISTING GRADE AT FLOW LINE OF WEST DITCH

APPROXIMATE EXISTING GRADE OVER PROP. WATERLINE

APPROXIMATE EXISTING GRADE AT FRESHWATER MAIN AT EXISTING ALLEYS

PROP. 8" PLUG & CLAMP RJ

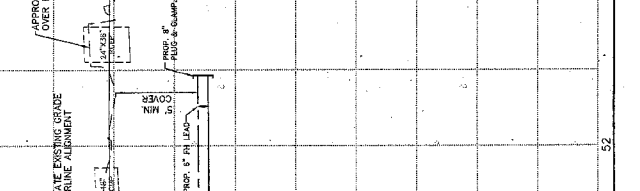


APPROXIMATE EXISTING GRADE AT FLOW LINE OF WEST DITCH

APPROXIMATE EXISTING GRADE OVER PROP. WATERLINE

APPROXIMATE EXISTING GRADE AT FRESHWATER MAIN AT EXISTING ALLEYS

PROP. 8" PLUG & CLAMP RJ

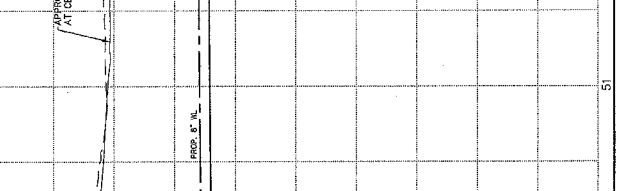


APPROXIMATE EXISTING GRADE AT FLOW LINE OF WEST DITCH

APPROXIMATE EXISTING GRADE OVER PROP. WATERLINE

APPROXIMATE EXISTING GRADE AT FRESHWATER MAIN AT EXISTING ALLEYS

PROP. 8" PLUG & CLAMP RJ

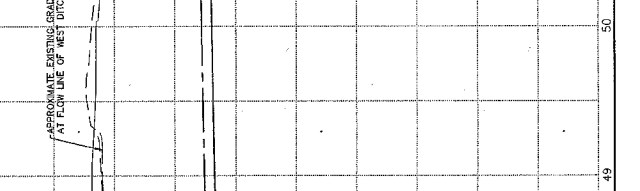


APPROXIMATE EXISTING GRADE AT FLOW LINE OF WEST DITCH

APPROXIMATE EXISTING GRADE OVER PROP. WATERLINE

APPROXIMATE EXISTING GRADE AT FRESHWATER MAIN AT EXISTING ALLEYS

PROP. 8" PLUG & CLAMP RJ

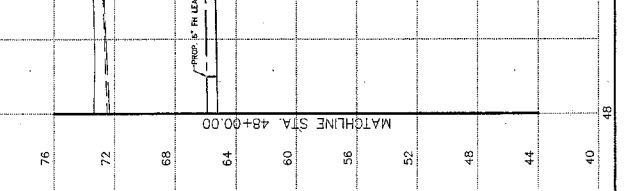


APPROXIMATE EXISTING GRADE AT FLOW LINE OF WEST DITCH

APPROXIMATE EXISTING GRADE OVER PROP. WATERLINE

APPROXIMATE EXISTING GRADE AT FRESHWATER MAIN AT EXISTING ALLEYS

PROP. 8" PLUG & CLAMP RJ

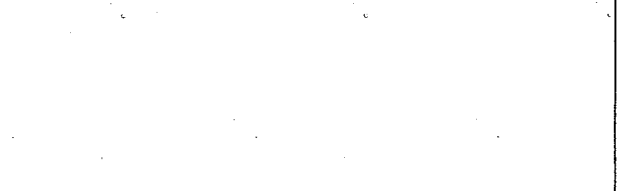


APPROXIMATE EXISTING GRADE AT FLOW LINE OF WEST DITCH

APPROXIMATE EXISTING GRADE OVER PROP. WATERLINE

APPROXIMATE EXISTING GRADE AT FRESHWATER MAIN AT EXISTING ALLEYS

PROP. 8" PLUG & CLAMP RJ



APPROXIMATE EXISTING GRADE AT FLOW LINE OF WEST DITCH

APPROXIMATE EXISTING GRADE OVER PROP. WATERLINE

APPROXIMATE EXISTING GRADE AT FRESHWATER MAIN AT EXISTING ALLEYS

PROP. 8" PLUG & CLAMP RJ



DEVELOPMENT COORDINATOR
10/21/14

NOTE FOR WASTEWATER REVIEWER:
 THIS PROJECT IS INVOLVED IN THE EXISTING WASTEWATER SYSTEM.

DEVELOPMENT COORDINATOR
10/21/14

NOTE FOR WASTEWATER REVIEWER:
 THIS PROJECT IS INVOLVED IN THE EXISTING WASTEWATER SYSTEM.

DEVELOPMENT COORDINATOR
10/21/14

NOTE FOR WASTEWATER REVIEWER:
 THIS PROJECT IS INVOLVED IN THE EXISTING WASTEWATER SYSTEM.

DEVELOPMENT COORDINATOR
10/21/14

NOTE FOR WASTEWATER REVIEWER:
 THIS PROJECT IS INVOLVED IN THE EXISTING WASTEWATER SYSTEM.

DEVELOPMENT COORDINATOR
10/21/14

NOTE FOR WASTEWATER REVIEWER:
 THIS PROJECT IS INVOLVED IN THE EXISTING WASTEWATER SYSTEM.

DEVELOPMENT COORDINATOR
10/21/14

NOTE FOR WASTEWATER REVIEWER:
 THIS PROJECT IS INVOLVED IN THE EXISTING WASTEWATER SYSTEM.

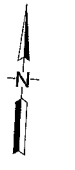
DEVELOPMENT COORDINATOR
10/21/14

NOTE FOR WASTEWATER REVIEWER:
 THIS PROJECT IS INVOLVED IN THE EXISTING WASTEWATER SYSTEM.

DEVELOPMENT COORDINATOR
10/21/14

NOTE FOR WASTEWATER REVIEWER:
 THIS PROJECT IS INVOLVED IN THE EXISTING WASTEWATER SYSTEM.

PROJECT BENCHMARKS:
 HAS DESIGNATED AT 888
 THIS POINT IS THE POINT OF BEGINNING FOR THE
 SOUTH CONCRETE SIDEWALK OF AN 8' WIDE SIDEWALK UNDER STATE
 ROADWAY 2. 204' FROM FORT ROAD COUNTY TEXAS AND TEXAS
 FEET EAST OF THE CENTERLINE OF STATE ROUTE 204 DISTRICT 29
 SOUTH OF THE CENTERLINE OF DALLAS RD
 ELEVATION 70.10 FEET (PVD 88)



FIELD MAP INFORMATION:
 THIS MAP OF THE PROJECT LIES IN THE TOWNSHIP BOUNDARIES -
 ZONE 14 NORTH FROM STATION 7+25 TO 8+00 WHICH LIES WITHIN -
 THE TOWNSHIP BOUNDARIES OF FORT BEND COUNTY TEXAS AND TEXAS
 RECORDED MAPS 2, 204 FROM FORT ROAD COUNTY TEXAS AND TEXAS
 RECORDED MAPS, PAGES 315 OF 315, MAP NO. 481070318L.

NOTE:
 1. FIRE HYDRANTS TO BE INSTALLED 3' OFF ROW LINE,
 UNLESS NOTED OTHERWISE.

FOR BIDDING UTILITY INFORMATION:
 TWO (2) BUSINESS DAYS
 BEFORE YOU DIG CALL 811
 (OR 1-800-45-4000 TOLLFREE)
 UTILITY NOTIFICATION CALL CENTER (811)
 www.811.org

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED,
 CALL CENTER POINT ENERGY AT 713-207-2222.
NOTICE:
 Contractor shall verify the location of all existing utilities before beginning work. The contractor shall be responsible for any damage to existing utilities. The contractor shall be responsible for any damage to existing utilities. The contractor shall be responsible for any damage to existing utilities.

VERIFICATION OF PRIVATE UTILITY LINES

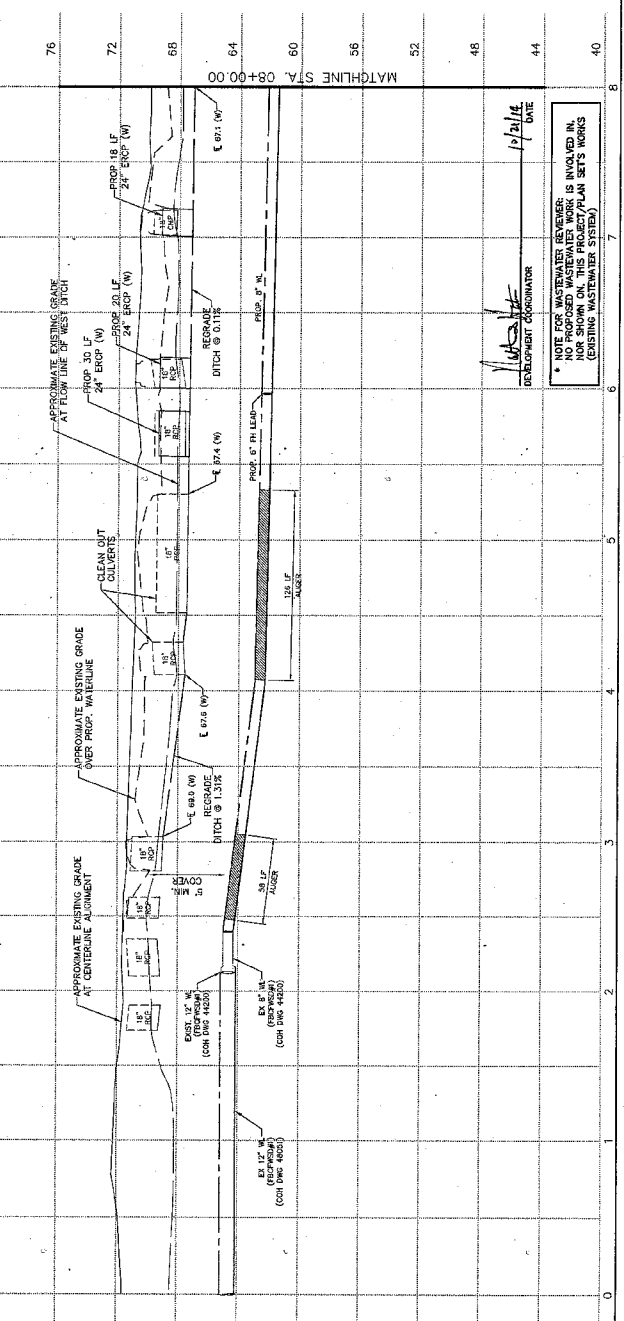
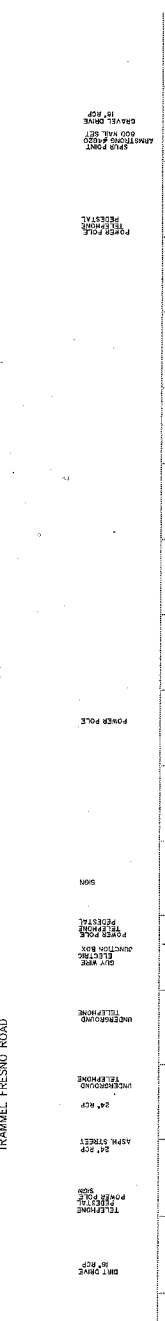
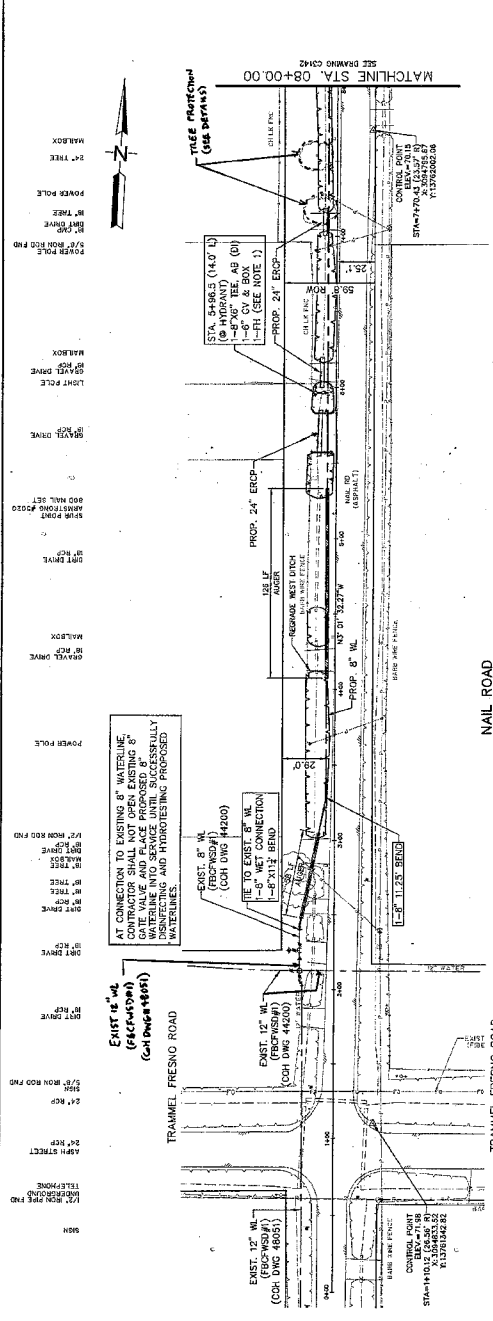
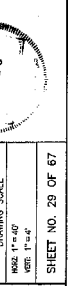
APP.	REVISIONS	DATE
1	AS SHOWN	10-26-14
2	AS SHOWN	10-27-14



JACOBS
 5898 RODGERDALE ROAD
 HOUSTON, TEXAS 77027
 PHONE: 281.297.0000
 TOLL FREE: 800.441.1111
 WWW.JACOBSINC.COM

FORT BEND COUNTY
 FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 NAIL ROAD
 TRAMMEL-FRESNO ROAD TO STA 8+00

NOTE: CITY BENCHMARKS VALID FOR ONE YEAR ONLY AFTER DATE OF BENCHMARKING.
 CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 PROJECT NO. 14-000000-0000
 DRAWING NUMBER: C3141
 SHEET NO. 29 OF 67



NOTE: NO WASTEWATER SERVICES
 NOR PROPOSED WASTEWATER WORK IS INVOLVED IN
 THIS PROJECT/PLAN SETS WORKS
 (EXISTING WASTEWATER SYSTEM)

DATE: 10-26-14
 DATE: 10-27-14
 PROJECT NO. 14-000000-0000
 DRAWING NUMBER: C3141
 SHEET NO. 29 OF 67

MISSISSIPPI RIVER AT 68
 DARK POWER IN TOP AND APPROXIMATE 1/8 FEET EAST OF WEST END OF
 ROUTE 28. AT JUNCTION OF CULVERT ROAD EAST APPROXIMATE 1/8 FEET
 SOUTH OF THE CENTERLINE OF DALLAS RD
 ELEVATION 70.70 FEET (DADO 88)

FEMA MAP INFORMATION:
 THE PORTION OF THE PROJECT LIES IN THE 100-YEAR FLOOD HAZARD
 AREA WITHIN THE FLOODWAY AREAS IN ZONE AE FOR FEMA FIRM 17-0414.
 INCORPORATED AREAS: PANEL 315 OF 57, MAP NO. 48157D0101.

NOTE:
 1. CONTRACTOR TO BE INSTALLED 5' OFF ROW LINE,
 UNLESS NOTED OTHERWISE.
 2. MUSTANG BAYOU CROSSING NOTES:
 CONTRACTOR IS RESPONSIBLE FOR OBTAINING
 CROSSING PERMITS FROM MUSTANG BAYOU DISTRICT.
 3. UNLESS EACH END OF CASING.
 4. MANUFACTURER'S RECOMMENDATIONS (MIN. 1"
 SPACERS @ 5' CENTER-TO-CENTER).

FOR BAYOU UTILITY INFORMATION
 DATE: 10/27/14
 DRAWN BY: J. [Signature]
 CHECKED BY: [Signature]
 (OR 1-800-898-8344 Lane Str. 811)
 www.houston181.com

181

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED,
 CALL CENTERLINE AT 713-247-7222.

NOTICE:
 For your safety, you are required to shut down all lines below you dig to
 be worked on. This includes utility lines and other lines that are not
 shown on this plan. It is the contractor's responsibility to locate and
 mark all lines before starting work. If you are unsure of the location
 of any lines, call the appropriate utility company. Do not dig until you
 have received approval from the appropriate utility company. This plan
 is not to be used for any other purpose without the written approval of
 the engineer who prepared this plan.

VERIFICATION OF PRIVATE UTILITY LINES
 DATE: 10-27-14
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]

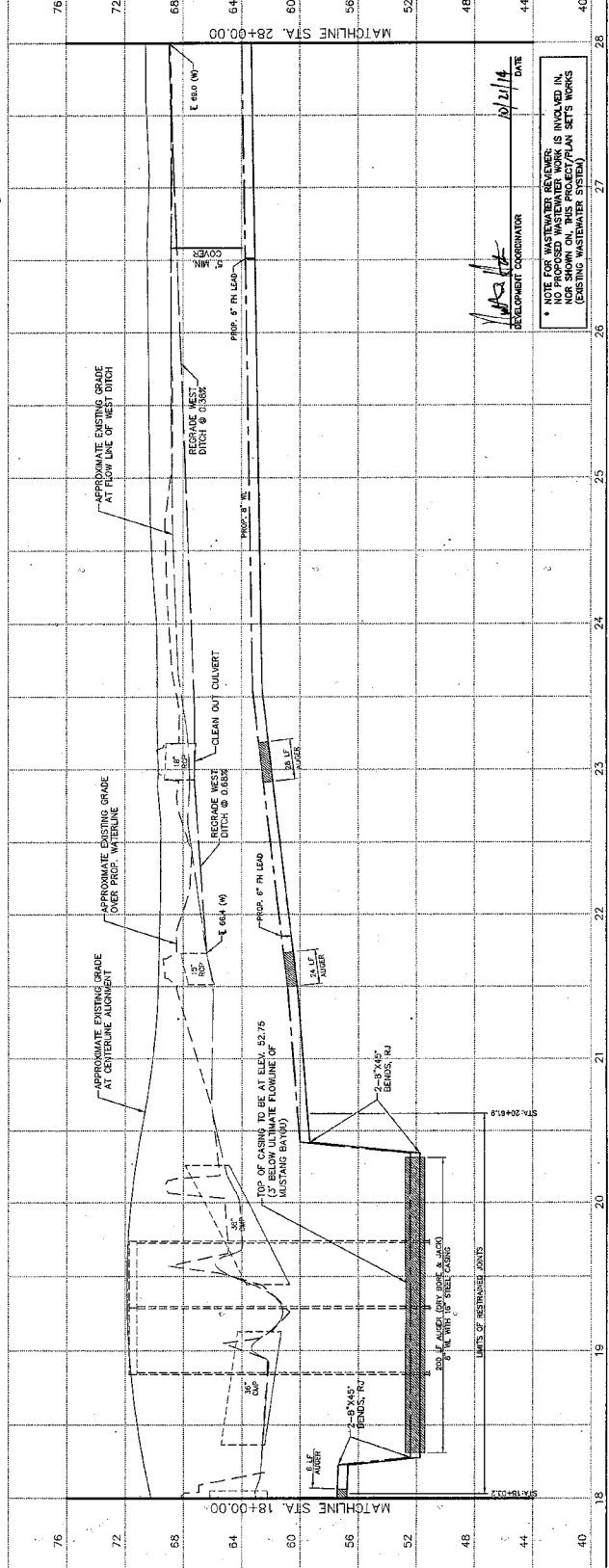
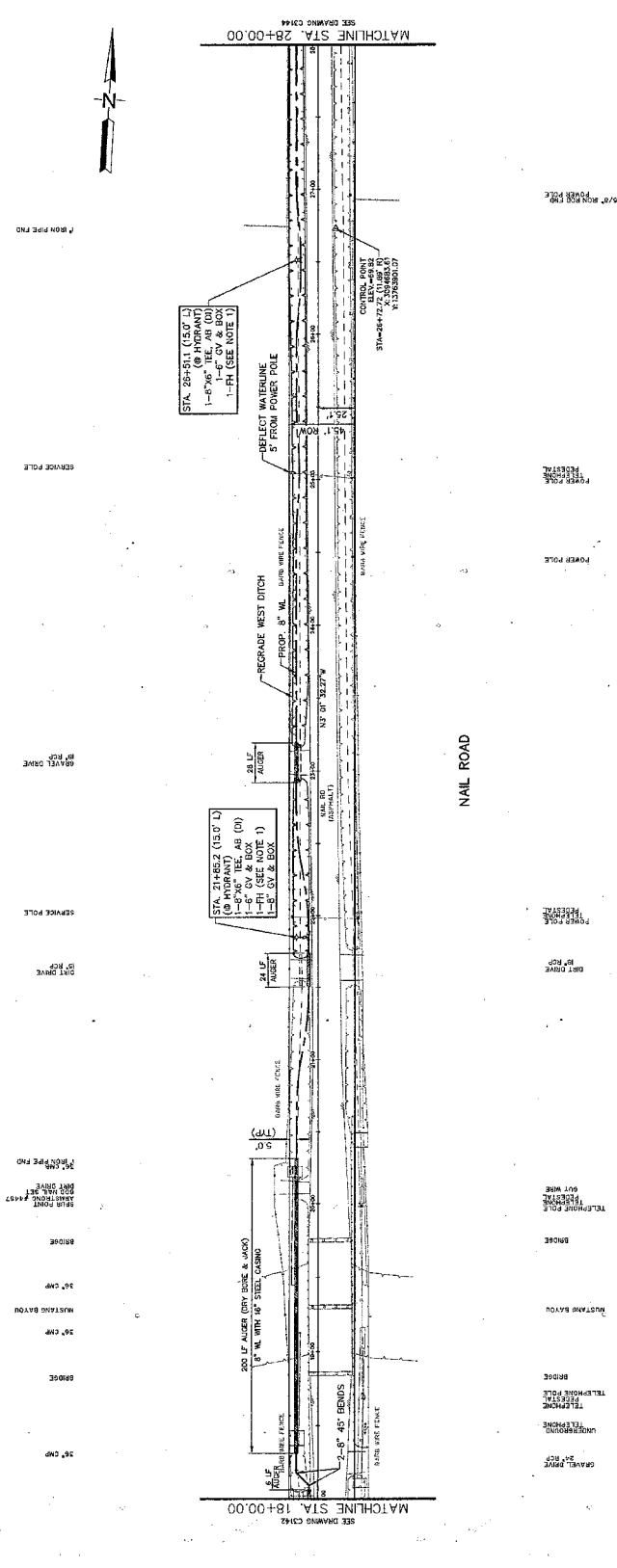
JACOBS
 REGISTERED PROFESSIONAL ENGINEER
 HOUSTON, TEXAS 77072
 MAIN: 832.331.6000
 TEXAS PR. NO. 12326

DATE: 10/27/14

FOR BAYOU UTILITY INFORMATION
 FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 NAIL ROAD
 STA 18+40.00 TO STA 28+00.00

NOTE: CITY ENGINEER'S SEAL REQUIRED FOR EACH COPY AFTER DATE OF SIGNATURE.
CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 MANAGER: [Signature]
 SUPERVISOR: [Signature]
 STREET & BLOCK: [Blank]
 PROJECT NUMBER: C3143
 PER CITY OF HOUSTON USE ONLY

DRAWING SCALE
 1" = 40'
 SHEET NO. 31 OF 67



DATE: 10/27/14
 DEVELOPMENT COORDINATOR: [Signature]

* NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN
 THIS PROJECT (EXISTING WASTEWATER SYSTEM)

NOTICE: ALL UTILITIES SHOWN ON THIS PLAN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY DATA. THE CITY OF HOUSTON IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE USER OF THIS PLAN SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.

FIELD SURVEY INFORMATION:
 FIELD SURVEY CONDUCTED BY: [Name]
 DATE: [Date]
 PROJECT: [Project Name]

FOR BIDDING UTILITY INFORMATION:
 SEE DRAWING CHAS
 MATCHLINE STA. 28+00.00

FOR BIDDING UTILITY INFORMATION:
 SEE DRAWING CHAS
 MATCHLINE STA. 38+00.00

NOTE: HYDRANTS TO BE INSTALLED 5' OFF ROW LINE, UNLESS NOTED OTHERWISE.

FEEL MAP INFORMATION:
 FEEL MAP INFORMATION: [Details]
 ELEVATION: 70.00 FEET NAVD 83

ARRANGE FOR LINES TO BE TURNED OFF OR MOVED. CALL CONTRACTOR AT 713-627-2222.

VERIFICATION OF PRIVATE UTILITY LINES

DATE: 10-6-14
 DATE: 10-7-14

JACOBS
 FORT BEND COUNTY
 FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

REVISIONS

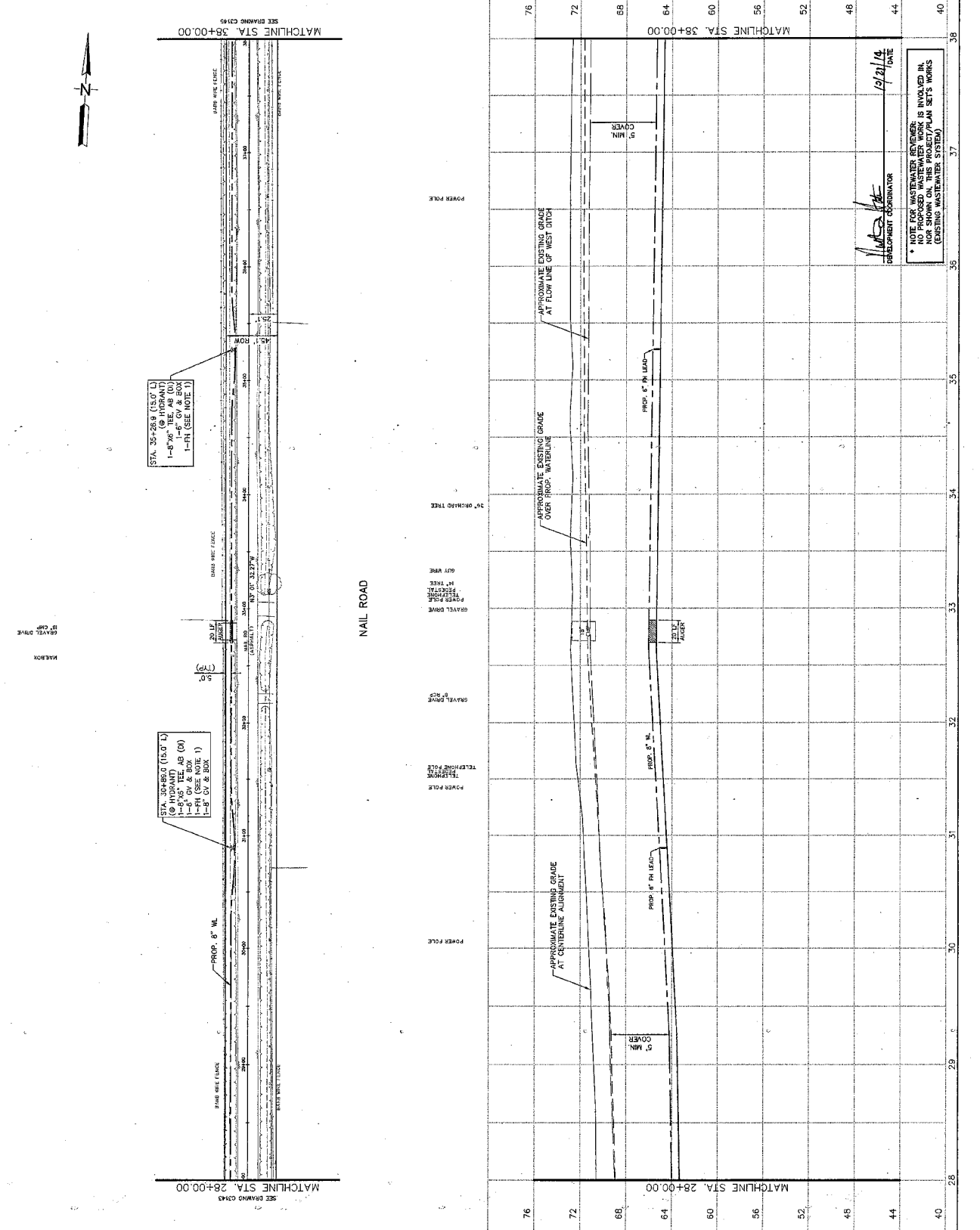
APP.	REVISIONS	DATE
1		
2		
3		

FILE NO: C3144
FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE:
 HORIZ: 1" = 40'
 VERT: 1" = 4'

SHEET NO. 32 OF 67

DATE: 10/21/14
DATE: 10/21/14



*** NOTE FOR WASTEWATER REVEALER: IS INVOLVED IN NO REVEALING WASTEWATER WORK IS REQUIRED FOR THIS SYSTEM (EXISTING WASTEWATER SYSTEM)**

EMPLOYMENT COORDINATOR

PROJECT INFORMATION:
 FOR BARRIERS TO BE TURNED OFF OR MOVED, CALL CENTER AT 713-601-5222.
NOTICE:
 For your safety, you are notified by Texas Law and 811 at least 48 hours before you dig to locate underground utilities. This information is for your information only. It is not a guarantee of accuracy. The information is not to be used for any other purpose.
 (The City of Houston will not be liable for any damages, including attorney's fees, arising from the use of this information.)

FEMA MAP INFORMATION:
 THIS PORTION OF THE PROJECT LIES IN THE FLOODWAY AREAS IN HOUSTON COUNTY, TEXAS AND UNINCORPORATED AREAS, PANEL 312 OF 870 MAP NO. 17050300100.
 ELEVATION TO 70 FEET HAVS 80

FOR BARRIERS TO BE TURNED OFF OR MOVED, CALL CENTER AT 713-601-5222.
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 (The City of Houston will not be liable for any damages, including attorney's fees, arising from the use of this information.)

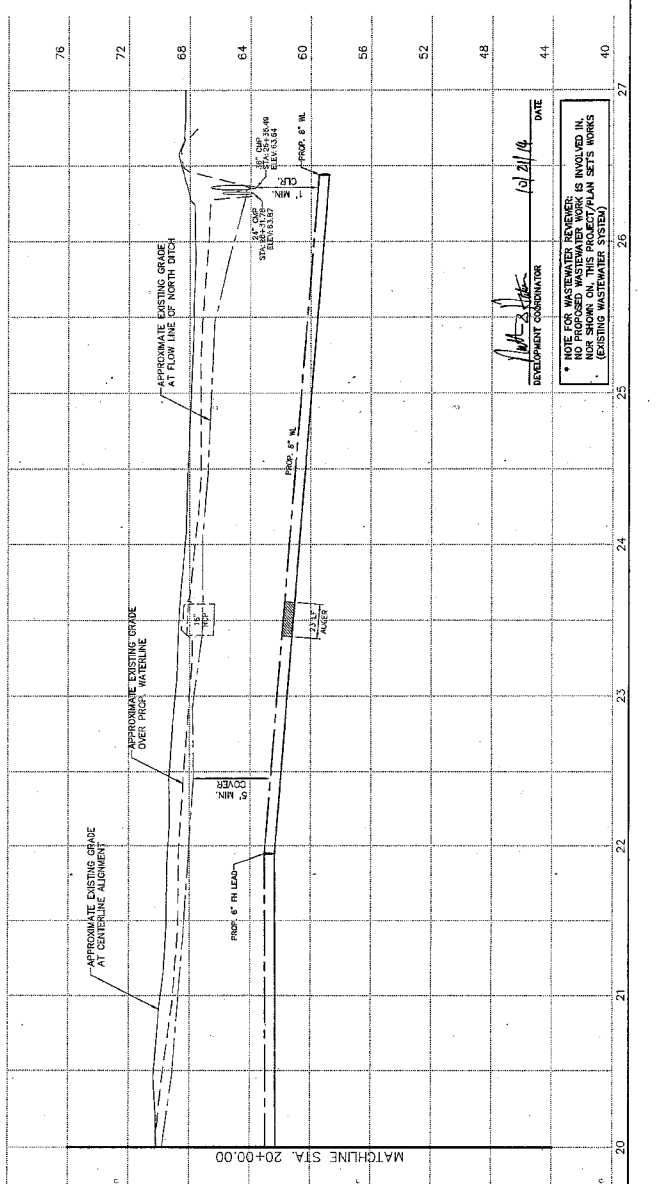
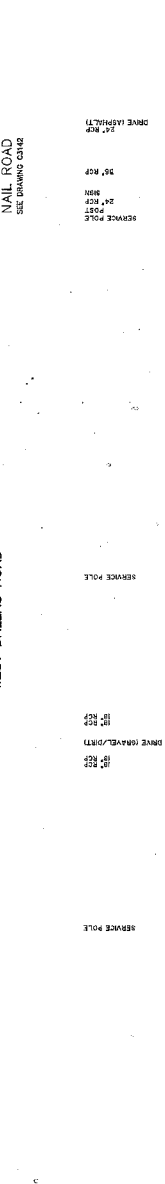
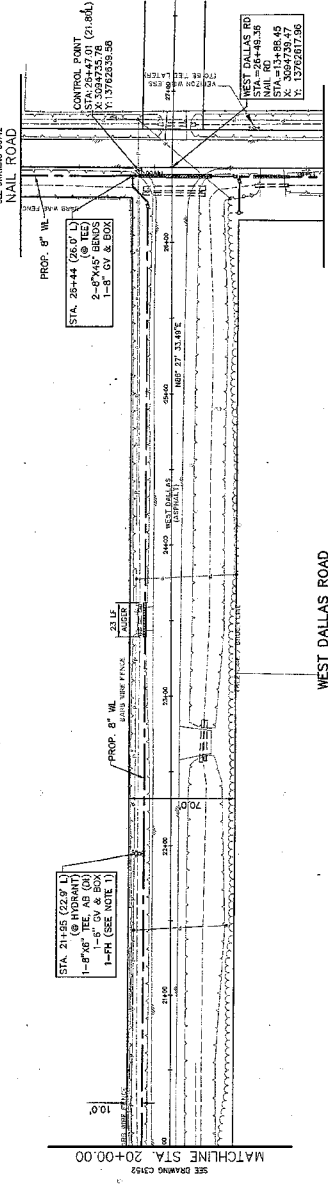
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NOTICE:
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 (The City of Houston will not be liable for any damages, including attorney's fees, arising from the use of this information.)

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 (The City of Houston will not be liable for any damages, including attorney's fees, arising from the use of this information.)



JACOBS
 1000 WEST DALLAS ROAD
 HOUSTON, TEXAS 77027
 MAIN 832.391.6000
 TEXAS PERMITS 23888

FRESHWATER SUPPLY DISTRICT NO. 1
WATER SYSTEM IMPROVEMENTS
PHASE 3
WEST DALLAS ROAD
STA. 20+00.00 TO NAIL ROAD

NOTE: CITY ENGINEER'S WALD FOR ONE YEAR AFTER DATE OF SUBMITTALS

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 PROJECT NO. 10-9-14
 DRAWING NUMBER: C3153
 FILE NO. 10-9-14

DATE: 10-6-14
 DATE: 10-6-14
 DATE: 10-7-14

REVISIONS: [Table with columns for APP, REVISIONS, DATE]

DRAWING SCALE: 1" = 40'
 SHEET NO. 38 OF 67

FOR BARRIERS TO BE TURNED OFF OR MOVED, CALL CENTER AT 713-601-5222.
NOTICE:
 For your safety, you are notified by Texas Law and 811 at least 48 hours before you dig to locate underground utilities. This information is for your information only. It is not a guarantee of accuracy. The information is not to be used for any other purpose.
 (The City of Houston will not be liable for any damages, including attorney's fees, arising from the use of this information.)

DATE: 10-6-14
 DATE: 10-6-14
 DATE: 10-7-14

NOTE FOR WASTEWATER REVIEWER: IS INVOLVED IN, HAS REVIEWED, OR HAS APPROVED WASTEWATER WORK IS INVOLVED IN, THIS PROJECT (EXISTING WASTEWATER SYSTEM)

DATE: 10/21/14

PROJECT INFORMATION:
 THIS PROJECT IS PART OF THE WEST END OF
 SOUTH CONCRETE ROAD, EAST OF THE
 CENTERLINE OF DALLAS ROAD, APPROXIMATELY 79
 FEET EAST OF THE CENTERLINE OF DALLAS ROAD
 SOUTH OF THE CENTERLINE OF DALLAS RD.
 ELEVATION 75.00 FEET (MAD 88)

FIELD MAP INFORMATION:
 THIS PROJECT IS PART OF THE WEST END OF
 SOUTH CONCRETE ROAD, EAST OF THE
 CENTERLINE OF DALLAS ROAD, APPROXIMATELY 79
 FEET EAST OF THE CENTERLINE OF DALLAS ROAD
 SOUTH OF THE CENTERLINE OF DALLAS RD.
 ELEVATION 75.00 FEET (MAD 88)

NOTE:
 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE,
 UNLESS NOTED OTHERWISE.



FOR THE HONORABLE CITY OF HOUSTON
BEFORE YOU DIG CALL 811
 (OR 1-800-545-8000, TOLLFREE)
 WWW.811HOUSTON.COM
 WWW.HOUSTON811.COM

VERIFICATION OF PRIVATE UTILITY LINES
 TO VERIFY THE LOCATION OF PRIVATE UTILITY LINES,
 CALL CENTERPOINT ENERGY AT 713.527.2222.
 CENTERPOINT ENERGY
 13000 WESTHOPE DRIVE, SUITE 100
 HOUSTON, TEXAS 77060
 (This information is for informational purposes only and does not constitute a warranty. The user assumes all liability for any damage or injury resulting from the use of this information.)

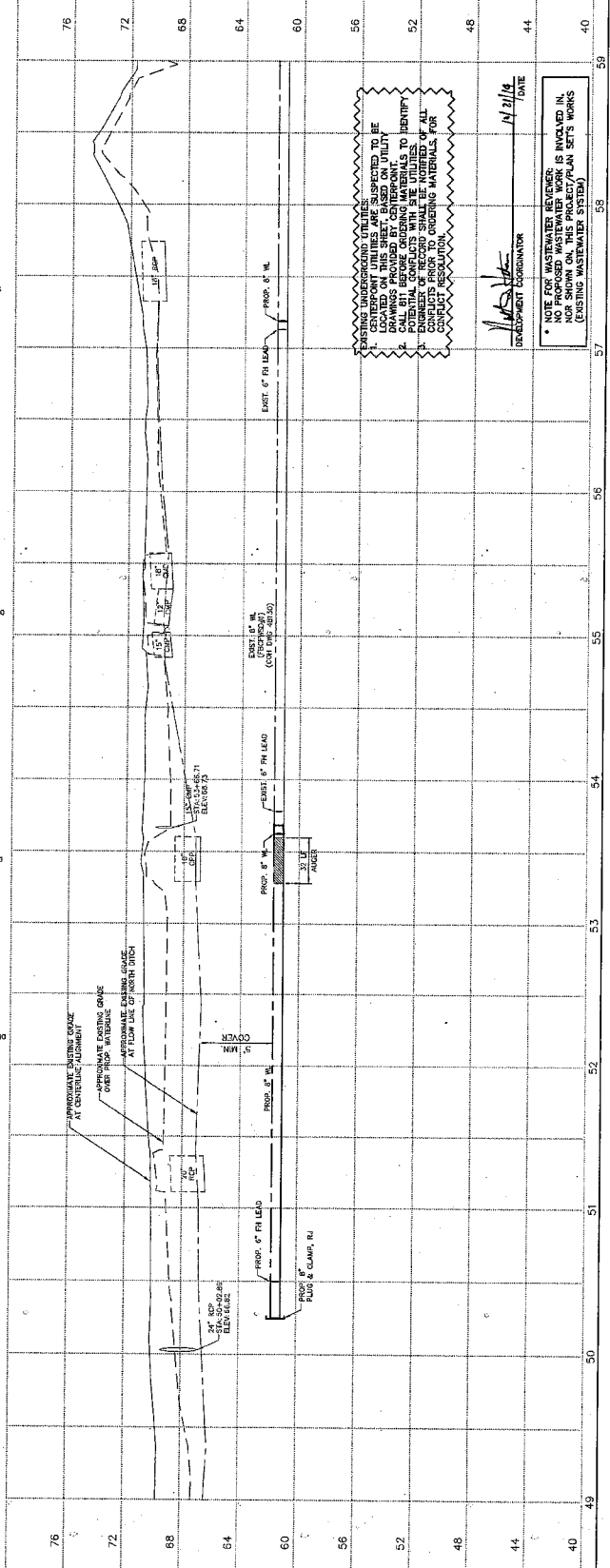
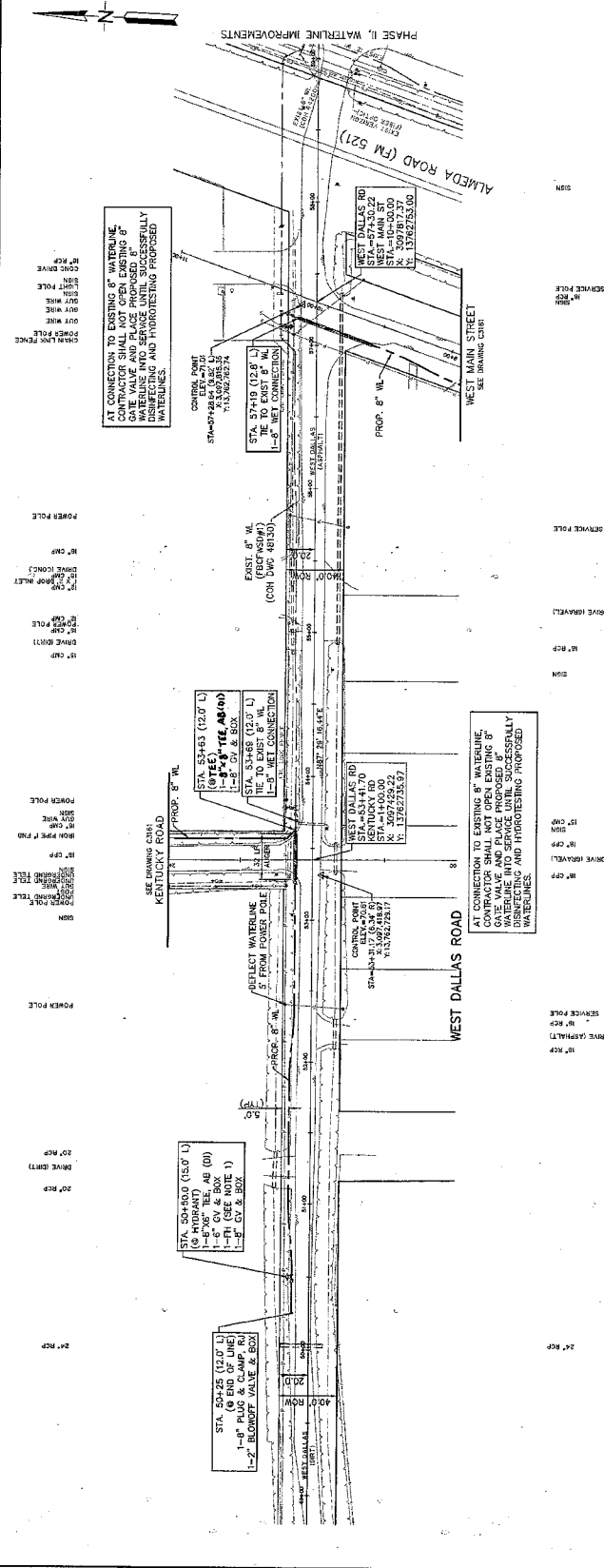
APP	REVISIONS	DATE
1	AS SHOWN	12-6-14
2	REVISED	10-6-14
3	REVISED	10-7-14

JACOBS
 5885 ROBERTSON FLOOR
 HOUSTON, TEXAS 77056
 MAIN: 832.211.6000
 TOLL FREE: 1.877.573.2846

FORT BEND COUNTY
FRESHWATER SUPPLY DISTRICT NO. 1
WATER SYSTEM IMPROVEMENTS
PHASE 3
 WEST DALLAS ROAD
 STA 49+00 TO KENTUCKY ROAD

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WATER & WASTEWATER
 DISTRICT WATER DIVISION
 PROJECT NO. 14-00000000000000000000
 SHEET NO. 43 OF 67

811
 CALL BEFORE YOU DIG
 1-800-545-8000
 WWW.811HOUSTON.COM



PROJECT DESCRIPTION:
 NOS RELOCATED IN 1988
 FROM CENTERLINE TO APPROXIMATELY 110 FEET EAST OF WEST END OF
 WEST MAIN STREET AND APPROXIMATELY 110 FEET EAST OF WEST END OF
 WEST MAIN STREET AT JUNCTION OF JOLLA ROAD (DIST. APPROXIMATELY 250
 FEET SOUTH OF THE CENTERLINE OF DALLAS RD.)
 ELEVATION 70 TO FEET (BLVD 80)

FROM MAP INFORMATION:
 - ZONE 14 FOR FEMA FIRM, REVISION APRIL 2, 2014 ON WEST END
 AND INCORPORATED AEGIS, PAVED, 316 OF 874, MAP
 NO. 48170202A.

NOTE:
 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE,
 UNLESS NOTED OTHERWISE.

FOR OTHER UTILITY INFORMATION:
 THIS (2) BUSINESS
 BEFORE YOU DIG CALL 811
 (OR 1-800-546-6009 TOLLFREE)
 (OR 1-800-800-8344 (see after 811))
 UTILITY LOCATIONS: www.811.com
 www.texas811.com

TO ASSIST YOU IN THE EVENT OF AN EMERGENCY:
 CALL CENTER/UNIT NUMBER AT 714.240.2222



VERIFICATION OF PRIVATE UTILITY LINES

DATE: 10-6-14
 BY: [Signature]

DATE: 10-7-14
 BY: [Signature]

APP.	REVISIONS	DATE
1		
2		
3		
4		
5		

JACOBS
 6886 ROCKDALE ROAD
 HOUSTON, TEXAS 77072
 PHONE: 281.241.6000
 TRANSPORTATION DIVISION

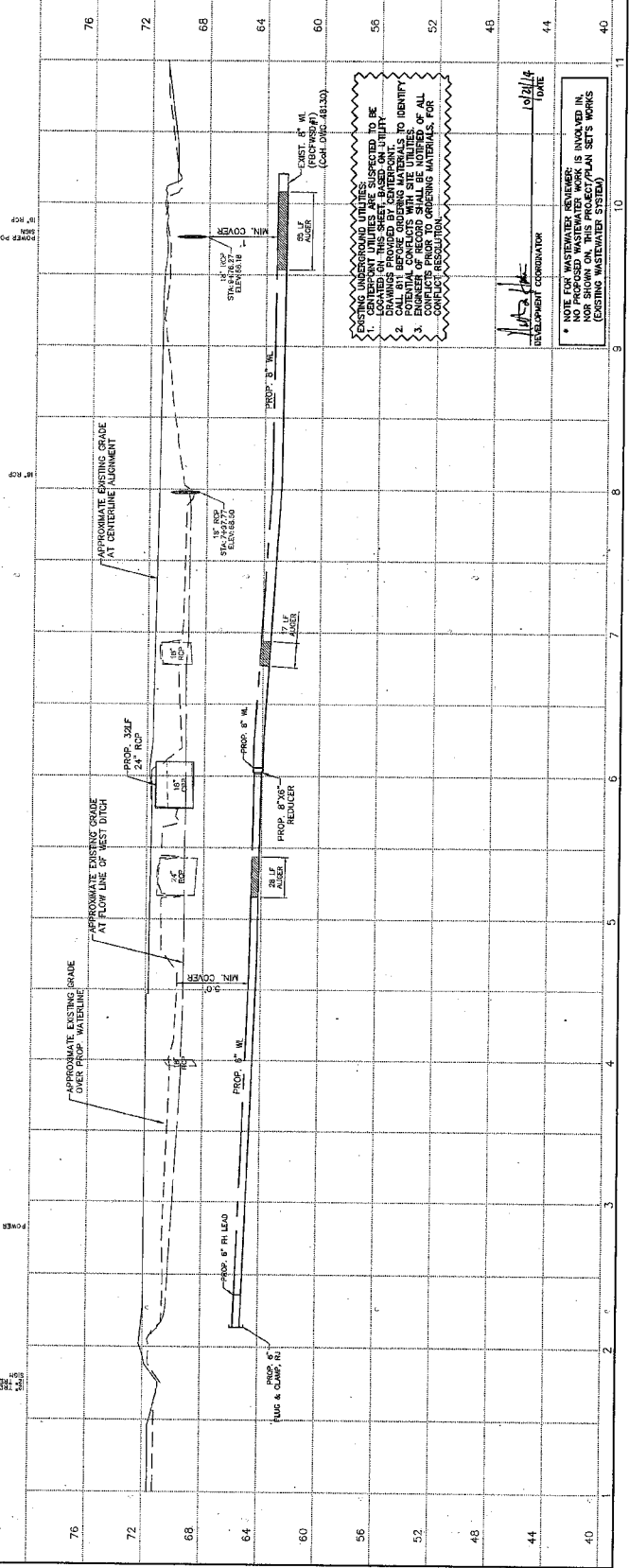
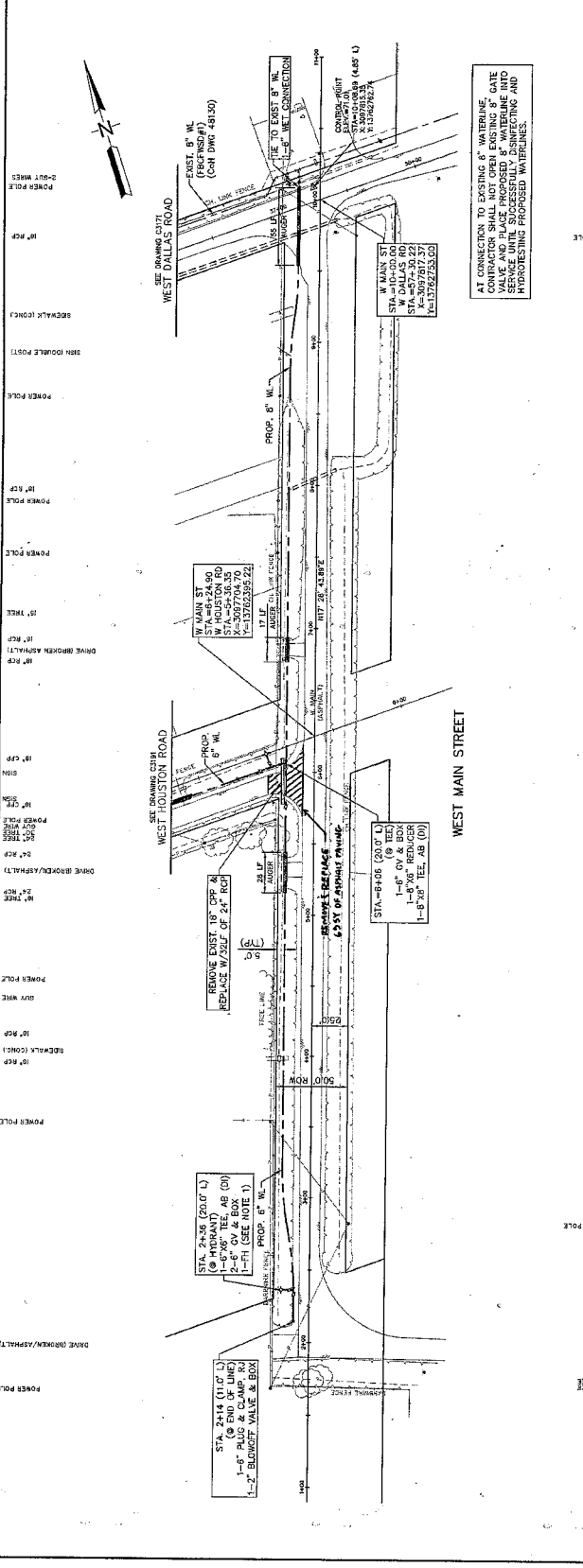
FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3

WEST MAIN STREET
 STA 1+00 TO WEST DALLAS ROAD

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 WATER & WASTEWATER DIVISION

PROJECT NUMBER: C3181
 SHEET NO. 44 OF 67

DRAWING SCALE: 1" = 40'
 DATE: 10/2/14



IF CONNECTION TO EXISTING 6" WATERLINE
 CONTRACTOR SHALL PLACE PROPOSED GATE
 VALVE AND PLACE PROPOSED 6" WATERLINE INTO
 SERVICE UNTIL SUCCESSFULLY DISINTEGRATING AND
 HYDROTESTING PROPOSED WATERLINE.

BEFORE ANY WORK IS PERFORMED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES.

* NOTE FOR WASTEWATER ENGINEERS:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN
 THIS PROJECT (EXISTING WASTEWATER SYSTEM)

PROJECT BENCHMARK:
 THE CORNER OF THE INTERSECTION OF 811 AND 10TH AVENUE IS THE BENCHMARK FOR THIS PROJECT. THE BENCHMARK IS A 12" DIA. CONCRETE PIPERAIL WITH AN IN-PIPE ALUMINUM MARKER SET AT THE CENTERLINE OF THE PIPE. THE BENCHMARK IS 10.00 FEET ABOVE THE FINISH GRADE OF THE PAVEMENT AT THE INTERSECTION.

FEMA MAP INFORMATION:
 THE PORTION OF THE PROJECT LIES IN THE "OTHER AREAS - ZONE A" OF THE FEMA FLOOD HAZARD MAP. THE FLOOD HAZARD MAP IS 170001010001. THE FLOOD HAZARD MAP IS 170001010001.

NOTE:
 THE INVERTS ARE TO BE INSTALLED 5' OFF ROW LINE, UNLESS NOTED OTHERWISE.

FOR BIDDING UTILITY INFORMATION:
 TWO (2) BUSINESS DAYS BEFORE YOU BID CALL 811 OR 1-800-888-8344 LONG (SHE 811) UTILITY CORPORATION ONE CALL 800-888-8344

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED:
 CALL CENTERPOINT ENERGY AT 713-207-2222

NOTICE:
 For your safety, you are required to be notified by 11:59 AM at least 48 hours before you dig. An underground line can be marked. This notification does not start your excavation until 8:00 AM.

VERIFICATION OF PRIVATE UTILITY LINES

APP **REASONS** **DATE**

JACOBS
 5895 RIDGEBOROUGH ROAD
 HOUSTON, TEXAS 77036-2500
 TEL: 281.444.4600
 WWW.JACOBS.COM

FORT BEND COUNTY
 FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 SOUTHERN TIE-IN
 KANSAS STREET TO FM 521

FILE NO: C3201
 (NOT CITY OF HOUSTON USE ONLY)

DRAWING SCALE:
 HORZ: 1" = 40'
 VERT: 1" = 4'

SHEET NO. 48 OF 67

- UPPER PIPELINE CROSSING NOTES:**
- STEEL CASING REQUIRED AT CROSSING.
 - CASING SHALL BE INSTALLED BY DRY BORE AND JACK.
 - MAINTAIN 30" MIN SEPARATION FROM CENTERLINE OF TRACK TO NEAR FACE OF BORING AND JACKING FITS.
 - LINK SEAL EACH END OF CASING.
 - PROVIDE CASING SPACERS PER MANUFACTURER'S RECOMMENDATIONS (MIN. 1" SPACING AT 9' CENTER-TO-CENTER).

UPPER PIPELINE CROSSING 811/80088 - FOU/GRIND/280/38

APPROVAL: 10/21/19

DATE: 10/21/19

DESIGNER: [Signature]

CHECKER: [Signature]

DATE: 10/21/19

ARTICLE 1. ADMINISTRATION AND CONTRACTING:
 The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

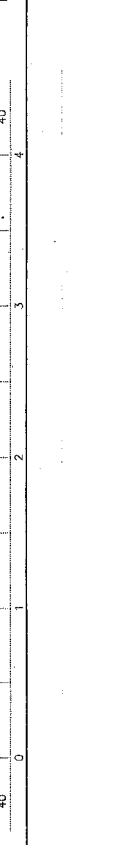
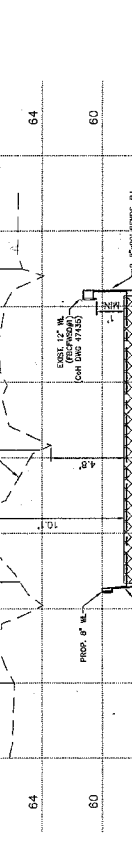
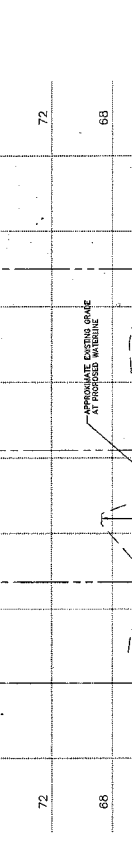
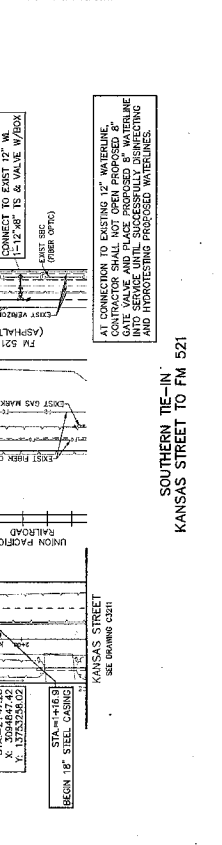
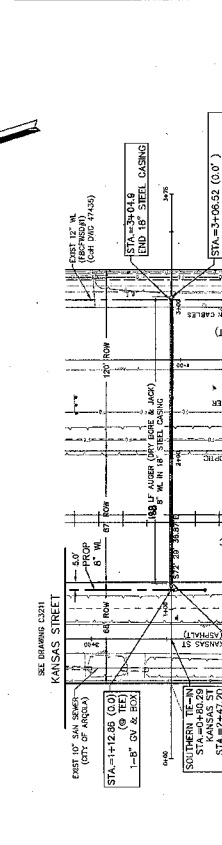
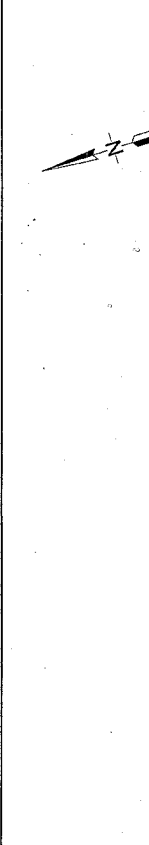
ARTICLE 2. CONSTRUCTION METHODS AND PROCEDURES:
 The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

ARTICLE 3. ADMINISTRATION AND CONTRACTING:
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ARTICLE 4. CONSTRUCTION METHODS AND PROCEDURES:
 The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

EXISTING UNDERGROUND UTILITIES:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AUTHORITIES.

NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN, NOR SHOWN ON, THIS PROJECT/PLAN SETS WORKS (SEWERAGE/WASTEWATER SYSTEM).



APPROVAL: [Signature]

DATE: 10/21/19

DESIGNER: [Signature]

CHECKER: [Signature]

DATE: 10/21/19

ARTICLE 1. ADMINISTRATION AND CONTRACTING:
 The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

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ARTICLE 5. ADMINISTRATION AND CONTRACTING:
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ARTICLE 6. CONSTRUCTION METHODS AND PROCEDURES:
 The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

ARTICLE 7. ADMINISTRATION AND CONTRACTING:
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ARTICLE 8. CONSTRUCTION METHODS AND PROCEDURES:
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ARTICLE 9. ADMINISTRATION AND CONTRACTING:
 The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

ARTICLE 10. CONSTRUCTION METHODS AND PROCEDURES:
 The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

ARTICLE 11. ADMINISTRATION AND CONTRACTING:
 The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

ARTICLE 12. CONSTRUCTION METHODS AND PROCEDURES:
 The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

ARTICLE 13. ADMINISTRATION AND CONTRACTING:
 The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

ARTICLE 14. CONSTRUCTION METHODS AND PROCEDURES:
 The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

ARTICLE 15. ADMINISTRATION AND CONTRACTING:
 The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

ARTICLE 16. CONSTRUCTION METHODS AND PROCEDURES:
 The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities. The contractor shall be responsible for obtaining all necessary permits and approvals from the appropriate authorities.

PROJECT BENCHMARK:
 HGS DESIGNATED BY 688
 SOUTH COMPOSITE BENCHMARKS OF AN 11' X 11' CONCRETE SLAB WITH AN IRON PIPE AT THE CENTER OF THE SLAB. THE BENCHMARK IS LOCATED AT THE INTERSECTION OF STATE ROUTE 288 AND STATE ROUTE 100, 100 FEET EAST OF THE CENTERLINE OF STATE ROUTE 288 AND 100 FEET SOUTH OF THE CENTERLINE OF STATE ROUTE 100.

FIELD MAP INFORMATION:
 THIS PORTION OF THE PROJECT LIES IN THE UNINCORPORATED AREAS OF FORT BEND COUNTY, TEXAS. THE PROJECT LIES WITHIN THE UNINCORPORATED AREAS OF FORT BEND COUNTY, TEXAS. THE PROJECT LIES WITHIN THE UNINCORPORATED AREAS OF FORT BEND COUNTY, TEXAS.

NOTE:
 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE. UNLESS NOTED OTHERWISE.

FOR BIDDING UTILITY INFORMATION:
 TWO (2) BUSINESS DAYS BEFORE YOU DIG CALL 811 (OR 1-800-669-4000 TOLLFREE) UTILITY NOTIFICATION ONE CALL www.onecall.org

811

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERLINE ENERGY AT 713-207-2222

NOTICE:
 Any work done on the project shall be subject to the City of Houston's Right of Way Manual. The City of Houston's Right of Way Manual is available on the City of Houston's website at www.houston.gov.

VERIFICATION OF PRIVATE UTILITY LINES

DATE: 10-26-14

BY: [Signature]

FOR: [Signature]

PROJECT: [Signature]

DATE: 10-26-14

BY: [Signature]

FOR: [Signature]

PROJECT: [Signature]

JACOBS

5909 ROYALWOOD ROAD
 HOUSTON, TEXAS 77057
 (713) 861-2000

**FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3**

KANSAS STREET
 STA 2+00 TO STA 10+00

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

PROJECT NO. 10-9-14

DATE: 10-26-14

FILE NO.: C3211

REVISIONS

NO.	DATE	DESCRIPTION

DRAWING SCALE:
 HORIZ: 1" = 4'
 VERT: 1" = 4'

SHEET NO. 47 OF 67

MONUMENT PIPELINE L.P. CROSSING NOTES:

- ALL EXISTING EQUIPMENT IN THE VICINITY OF THE PIPELINE SHALL BE MOVED TO A SAFE LOCATION WITH NO DAMAGE TO THE EQUIPMENT.
- ALL HEAVY EQUIPMENT CROSSING MONUMENT PIPELINE SHALL TAKE PLACE OUTSIDE DITCH AREA, BE OVER 2' OF OVER RILL AND BE PERPENDICULAR TO PIPE.
- NO DESTRUCTION OF PIPELINE MARKERS, IF MARKERS ARE REQUIRED TO BE MOVED, REMOVE CONTACT AND PERSONNEL.
- 48 HOUR NOTICE PRIOR TO THE BEGINNING OF MONUMENT PIPELINE L.P. WILL REQUIRE COMPANY/PERSONNEL TO BE ON SITE DURING THE CROSSING OF THEIR PIPELINE.
- NO REDUCTION IN COVER OVER PIPELINE IS ALLOWED.
- CORRECT MEASUREMENT FOR MONUMENT PIPELINE L.P. IS MAKE BLASLINE AT 20'-ROR-7163.

SANITARY SEWER CROSSING NOTES:

- WASTEWATER SERVICE LEADS ARE PRESENT ON STREETS. CONTRACTORS SHALL MAKE EVERY EFFORT TO LOCATE THEM PRIOR TO CONSTRUCTION. IF CONTRACTORS ARE UNABLE TO LOCATE THEM, THEY SHALL REPAIR IMMEDIATELY SO AS TO KEEP SYSTEM IN OPERATION.
- CENTER ONE FULL JOINT OF WATERLINE PIPE OVER/UNDER ALL EXISTING SANITARY SEWERS MAINTAINING 2' MIN. SEPARATION.

CRITICAL LOCATIONS:
 LOCATIONS WHERE THE L.P. CANNOT BE LOCATED ON THIS SHEET, BASED ON UTILITY RECORDS, SHALL BE IDENTIFIED BY A CALL TO THE UTILITY COMPANY. CONTRACTORS SHALL CONTACT THE UTILITY COMPANY PRIOR TO ORDERING MATERIALS FOR CONSTRUCTION.

DATE: 10/21/14

REVISIONS:

NOTE FOR WASTEWATER REMOVERS:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT/PHASE SETS WORKS (COSTING WASTEWATER SYSTEMS).

MONUMENT PIPELINE L.P. CROSSING NOTES:

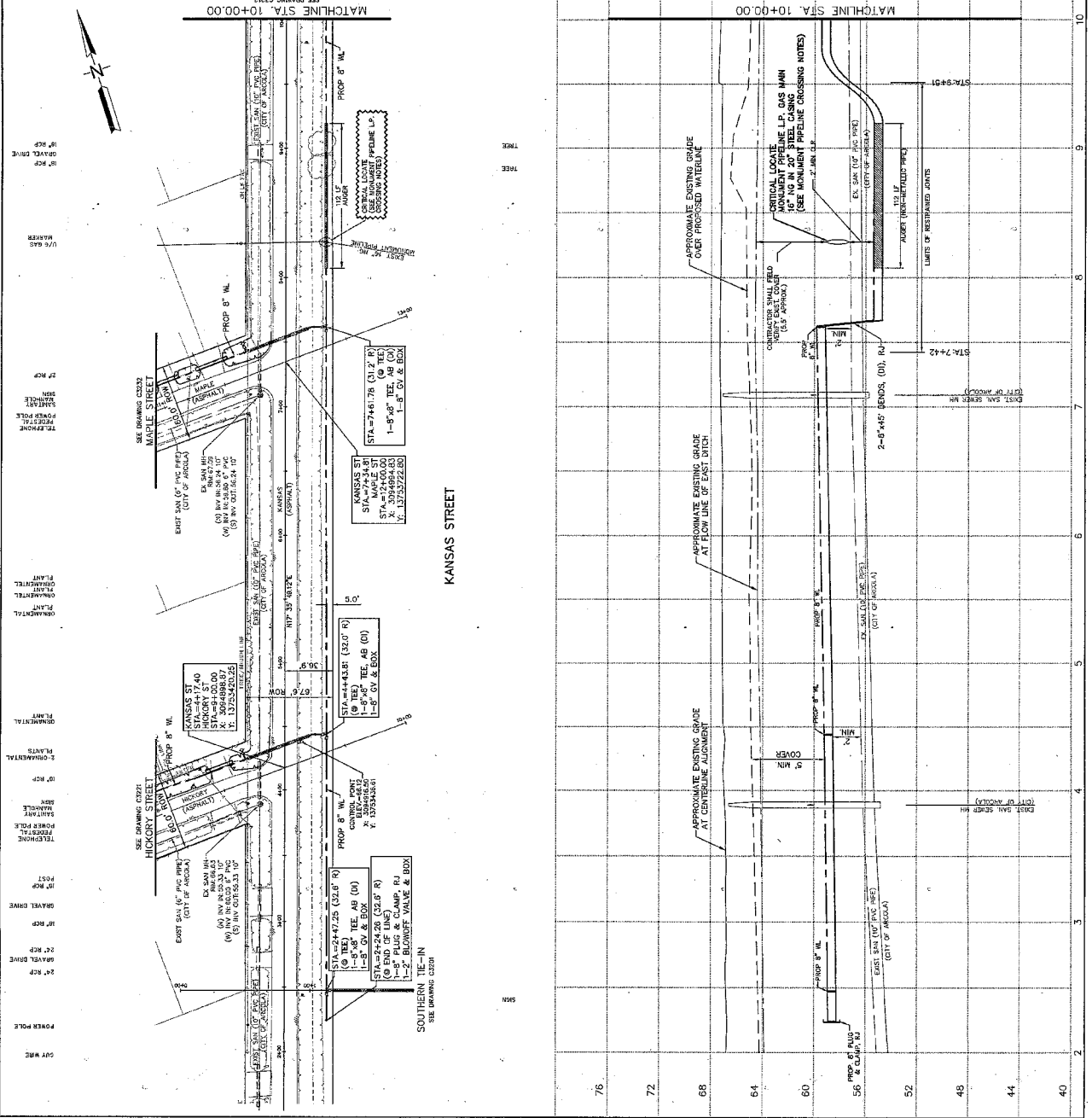
- ALL EXISTING EQUIPMENT IN THE VICINITY OF THE PIPELINE SHALL BE MOVED TO A SAFE LOCATION WITH NO DAMAGE TO THE EQUIPMENT.
- ALL HEAVY EQUIPMENT CROSSING MONUMENT PIPELINE SHALL TAKE PLACE OUTSIDE DITCH AREA, BE OVER 2' OF OVER RILL AND BE PERPENDICULAR TO PIPE.
- NO DESTRUCTION OF PIPELINE MARKERS, IF MARKERS ARE REQUIRED TO BE MOVED, REMOVE CONTACT AND PERSONNEL.
- 48 HOUR NOTICE PRIOR TO THE BEGINNING OF MONUMENT PIPELINE L.P. WILL REQUIRE COMPANY/PERSONNEL TO BE ON SITE DURING THE CROSSING OF THEIR PIPELINE.
- NO REDUCTION IN COVER OVER PIPELINE IS ALLOWED.
- CORRECT MEASUREMENT FOR MONUMENT PIPELINE L.P. IS MAKE BLASLINE AT 20'-ROR-7163.

CRITICAL LOCATIONS:
 LOCATIONS WHERE THE L.P. CANNOT BE LOCATED ON THIS SHEET, BASED ON UTILITY RECORDS, SHALL BE IDENTIFIED BY A CALL TO THE UTILITY COMPANY. CONTRACTORS SHALL CONTACT THE UTILITY COMPANY PRIOR TO ORDERING MATERIALS FOR CONSTRUCTION.

DATE: 10/21/14

REVISIONS:

NOTE FOR WASTEWATER REMOVERS:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT/PHASE SETS WORKS (COSTING WASTEWATER SYSTEMS).



PROJECT BENCHMARK:
 HGS DESIGNATED BY 688
 SOUTH COMPOSITE BENCHMARKS OF AN 11' X 11' CONCRETE SLAB WITH AN IRON PIPE AT THE CENTER OF THE SLAB. THE BENCHMARK IS LOCATED AT THE INTERSECTION OF STATE ROUTE 288 AND STATE ROUTE 100, 100 FEET EAST OF THE CENTERLINE OF STATE ROUTE 288 AND 100 FEET SOUTH OF THE CENTERLINE OF STATE ROUTE 100.

FIELD MAP INFORMATION:
 THIS PORTION OF THE PROJECT LIES IN THE UNINCORPORATED AREAS OF FORT BEND COUNTY, TEXAS. THE PROJECT LIES WITHIN THE UNINCORPORATED AREAS OF FORT BEND COUNTY, TEXAS. THE PROJECT LIES WITHIN THE UNINCORPORATED AREAS OF FORT BEND COUNTY, TEXAS.

NOTE:
 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE. UNLESS NOTED OTHERWISE.

FOR BIDDING UTILITY INFORMATION:
 TWO (2) BUSINESS DAYS BEFORE YOU DIG CALL 811 (OR 1-800-669-4000 TOLLFREE) UTILITY NOTIFICATION ONE CALL www.onecall.org

811

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERLINE ENERGY AT 713-207-2222

NOTICE:
 Any work done on the project shall be subject to the City of Houston's Right of Way Manual. The City of Houston's Right of Way Manual is available on the City of Houston's website at www.houston.gov.

VERIFICATION OF PRIVATE UTILITY LINES

DATE: 10-26-14

BY: [Signature]

FOR: [Signature]

PROJECT: [Signature]

DATE: 10-26-14

BY: [Signature]

FOR: [Signature]

PROJECT: [Signature]

PROJECT BACKGROUND:
 THIS PROJECT IS A PART OF THE FRESH WATER SUPPLY IMPROVEMENTS PROJECT IN THE CITY OF HOUSTON, TEXAS. THE PROJECT IS A PART OF THE FRESH WATER SUPPLY IMPROVEMENTS PROJECT IN THE CITY OF HOUSTON, TEXAS. THE PROJECT IS A PART OF THE FRESH WATER SUPPLY IMPROVEMENTS PROJECT IN THE CITY OF HOUSTON, TEXAS.

FOR BIDDING INFORMATION:
 TWO (2) BUSINESS DAYS BEFORE YOU DIG CALL 811 (800-444-8000) (TOLL FREE) UTILITY NOTIFICATION ONE CALL (www.onecall.com)



NOTE:
 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE, UNLESS NOTED OTHERWISE.

TO ARRANGE FOR LINES TO BE TORN OFF OR MOVED,
 CALL CENTERLINE ENERGY AT 1-800-222-2222

VERIFICATION OF PRIVATE UTILITY LINES
 This drawing is based on information provided by the owner. The contractor shall verify the location and depth of all private utility lines before any excavation work is performed. The contractor shall be responsible for any damage to private utility lines.

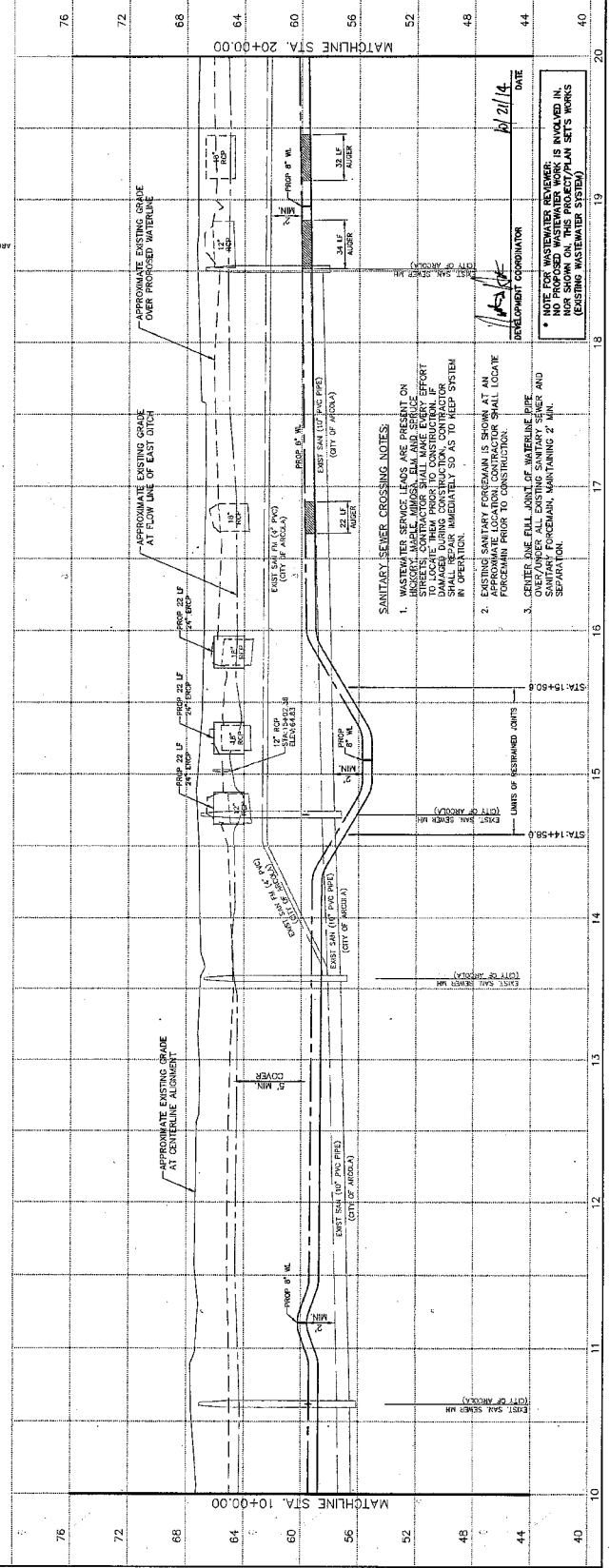
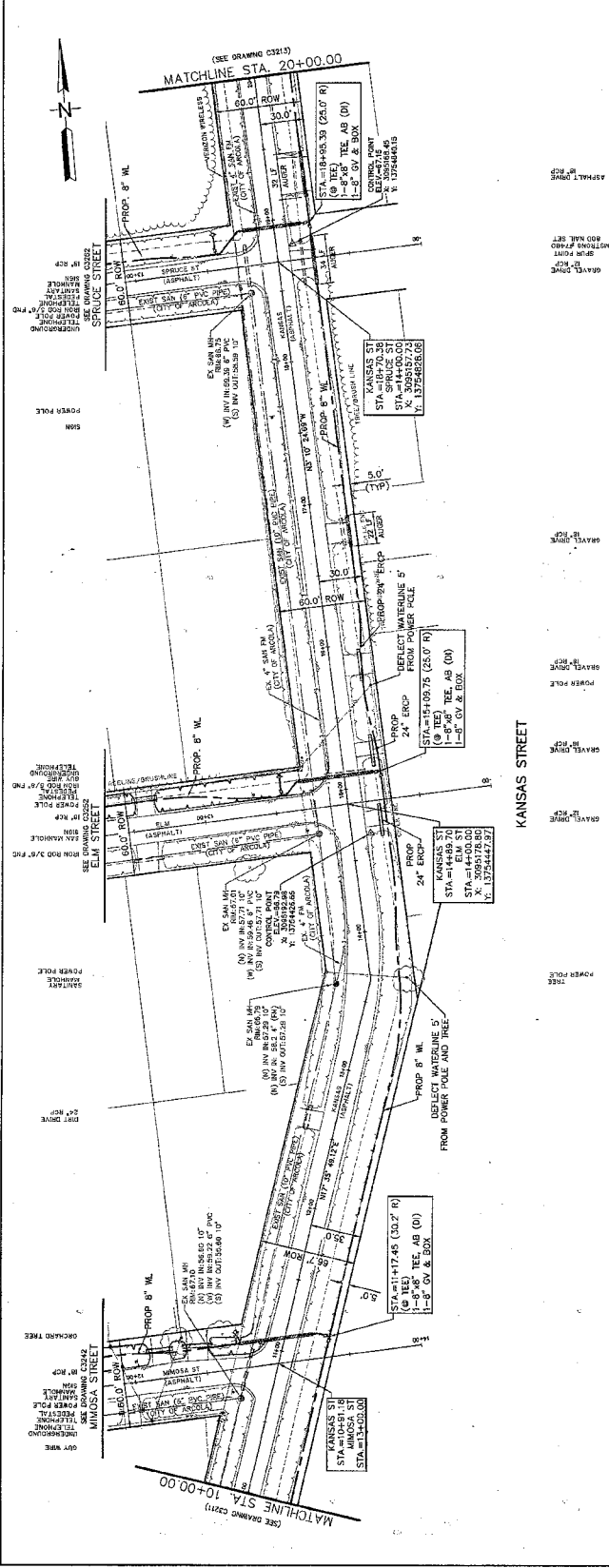
JACOBS
 5900 ROCKWELL ROAD
 SUITE 1000
 HOUSTON, TEXAS 77062

**FORT BEND COUNTY
 FRESH WATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3**

**CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING**

PROJECT NUMBER: C3312

DATE: 10-6-14
DATE: 10-7-14



APP.	REVISIONS	DATE
1	AS SHOWN	
2	AS SHOWN	
3	AS SHOWN	
4	AS SHOWN	
5	AS SHOWN	
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75	AS SHOWN	
76	AS SHOWN	

NOTE FOR WASTEWATER REVIEWER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT/PLAN SET'S WORKS (EXISTING WASTEWATER SYSTEM)

REVISIONS:
 1. WASTEWATER SERVICE LINES ARE PRESENT ON STREETS. CONTRACTOR SHALL MAKE EVERY EFFORT TO LOCATE THEM PRIOR TO CONSTRUCTION. IF CONTRACTOR IS UNABLE TO LOCATE THEM, CONTRACTOR SHALL REPAIR IMMEDIATELY SO AS TO KEEP SYSTEM IN OPERATION.
 2. EXISTING SANITARY FOREMAN IS SHOWN AT AN APPROXIMATE LOCATION. CONTRACTOR SHALL LOCATE FOREMAN PRIOR TO CONSTRUCTION.
 3. CENTER LINE ELM JOINT OF WATERLINE PIPE ONLY/UPPER ALL EXISTING SANITARY SEWER AND WATER MAINS, MAINTAINING 2' MIN. SEPARATION.

DATE: 10/21/14

PROJECT NUMBER: C3312

FILE NO.:

SHEET NO. 48 OF 67

PROJECT BENCHMARK:
 NOS DESIGNATED AT 688
 SOUTH CONCRETE EDGEWALLS OF AN 8" PIPE CULVERT NUMBER 210
 FEET EAST OF THE CENTERLINE OF STATE ROUTE 288 ABOUT 200 FEET
 SOUTH OF THE CENTERLINE OF DOLLAR RD.
 ELEVATION 70.70 FEET (MAD 89)

FIELD MAP INFORMATION:
 THIS PORTION OF THE PROJECT LIES IN THE UNIMPAVED TOWER AREAS
 LOCATED WITHIN THE CITY OF HOUSTON, TEXAS. THE PROJECT AREA
 IS LOCATED WITHIN THE UNIMPAVED TOWER AREAS, PHASE 3 OF THE MAP
 NO. 481030301B.

NOTE:
 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE,
 UNLESS NOTED OTHERWISE.



TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED,
 CALL CENTERPOINT ENERGY AT 713-207-2222.
NOTICE: This drawing is to be used for the purpose of
 showing the location of utility lines. It is not to be used for
 any other purpose. The user of this drawing is responsible for
 verifying the location and depth of utility lines before any
 excavation or construction work is undertaken. (See section 106.01 of the
 Texas State Rules and Regulations for more information.)

VERIFICATION OF PRIVATE UTILITY LINES

APP.	REVISIONS	DATE
1	AS SHOWN	10-2-14
2	REVISED	10-2-14
3	REVISED	10-2-14
4	REVISED	10-2-14
5	REVISED	10-2-14
6	REVISED	10-2-14
7	REVISED	10-2-14
8	REVISED	10-2-14
9	REVISED	10-2-14
10	REVISED	10-2-14

JACOBS
 5995 RODRIGUEZ ROAD
 HOUSTON, TEXAS 77072
 PHONE: 281.414.2200
 FAX: 281.414.2200
 WWW.JACOBS.COM

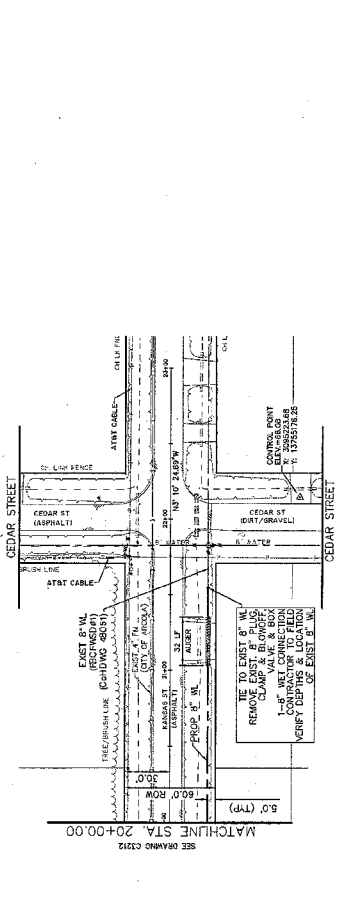
FOR FORT BEND COUNTY
 FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 KANSAS STREET
 STA. 20+00 TO CEDAR STREET

NOTE: CITY JURISDICTION IS FOR ONE-TWO ONLY. FIELD LINE OF DIMENSIONS
 IS FOR ONE-TWO ONLY. FIELD LINE OF DIMENSIONS IS FOR ONE-TWO ONLY.

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1500 WEST 12TH STREET
 HOUSTON, TEXAS 77019
 PHONE: 713.400.2000
 FAX: 713.400.2000
 WWW.CITYOFHOUSTON.TX

DATE: 10/2/14
 DRAWN BY: J. J. J.
 CHECKED BY: J. J. J.
 IN CHARGE: J. J. J.
 PROJECT NUMBER: C-3213
 SHEET NO.: 48 OF 67

58010
 DRAWING SCALE
 HORIZ: 1" = 40'
 VERT: 1" = 4'
 SHEET NO. 48 OF 67



AT CONNECTION TO EXISTING 8" WATERLINE. GATE VALVE AND FLANGE SHALL BE INSTALLED AT WATERLINE SERVICE UNTIL SUCCESSFULLY DISCONNECTING AND HYDROTESTING PROPOSED WATERLINES.

STATION	DESCRIPTION	DATE
76	APPROXIMATE EXISTING GRADE	20
72	APPROXIMATE EXISTING GRADE	21
68	APPROXIMATE EXISTING GRADE	22
64	APPROXIMATE EXISTING GRADE	23
60	APPROXIMATE EXISTING GRADE	24
56	APPROXIMATE EXISTING GRADE	25
52	APPROXIMATE EXISTING GRADE	26
48	APPROXIMATE EXISTING GRADE	27
44	APPROXIMATE EXISTING GRADE	28
40	APPROXIMATE EXISTING GRADE	29

DEVELOPMENT COORDINATOR: J. J. J.
 DATE: 10/2/14

* NOTE FOR WASTEWATER REVENUE: NO PROPOSED WASTEWATER WORK IS INVOLVED IN, NOR SHOWN ON, THIS PROJECT/PLAN SETS WORKS (EXISTING WASTEWATER SYSTEM)

PROJECT BENCHMARK: HES DESIGNATED M 668
 SOUTH CONCRETE SIDEWALK OF MAPLE STREET AT INTERSECTION OF
 100' EAST OF THE CENTERLINE OF MAPLE STREET
 ELEVATION TO TOP OF BENCH MARK IS 100.00

FIELD DATA INFORMATION:
 THESE PARAPHS OF THIS SPECIFICATION ARE THE BASIS FOR THE DESIGN AND CONSTRUCTION OF THIS PROJECT.
 THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL FIELD DATA AND REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

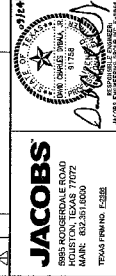
- NOTES:
1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE.
 2. UNLESS NOTED OTHERWISE, ALL MATERIALS ARE TO BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MCGRAW-HILL CONSTRUCTION MANUAL.
 3. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

FOR 811 UTILITY INFORMATION
 CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG CALL 811
 (OR 1-800-468-6060 TOLL FREE)
 UTILITY NOTIFICATION ONE CALL
 www.onecall.org

TO REQUEST FOR BIDS TO BE TURNED OFF OR MOVED,
 CALL CENTERPOINT ENERGY AT 713-207-2222
 NOTICE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF HOUSTON AND THE UTILITY OWNERS.

VERIFICATION OF PRIVATE UTILITY LINES
 THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL PRIVATE UTILITIES PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

DATE: 10-19-14
 REVISIONS: 1. 10-19-14
 2. 10-20-14

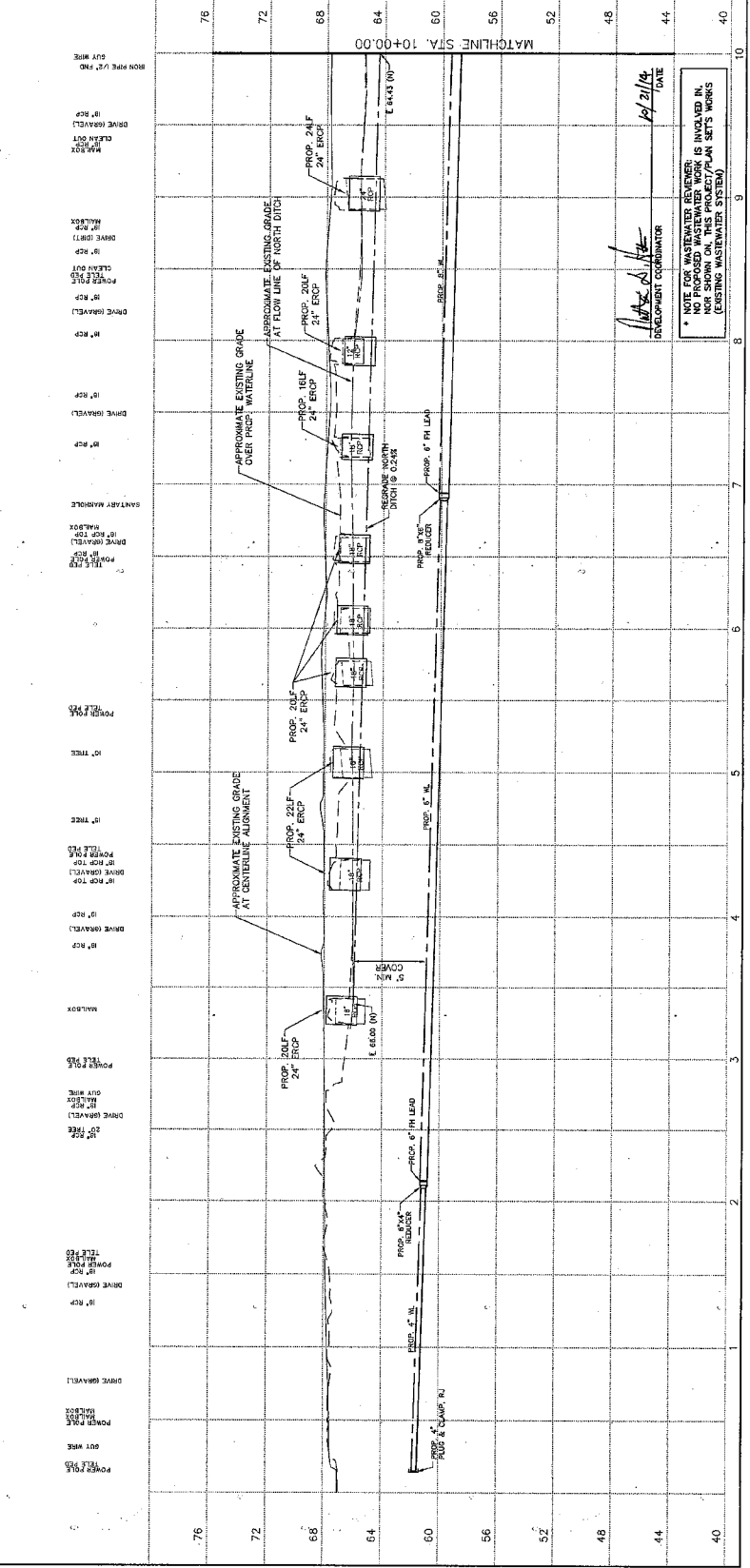
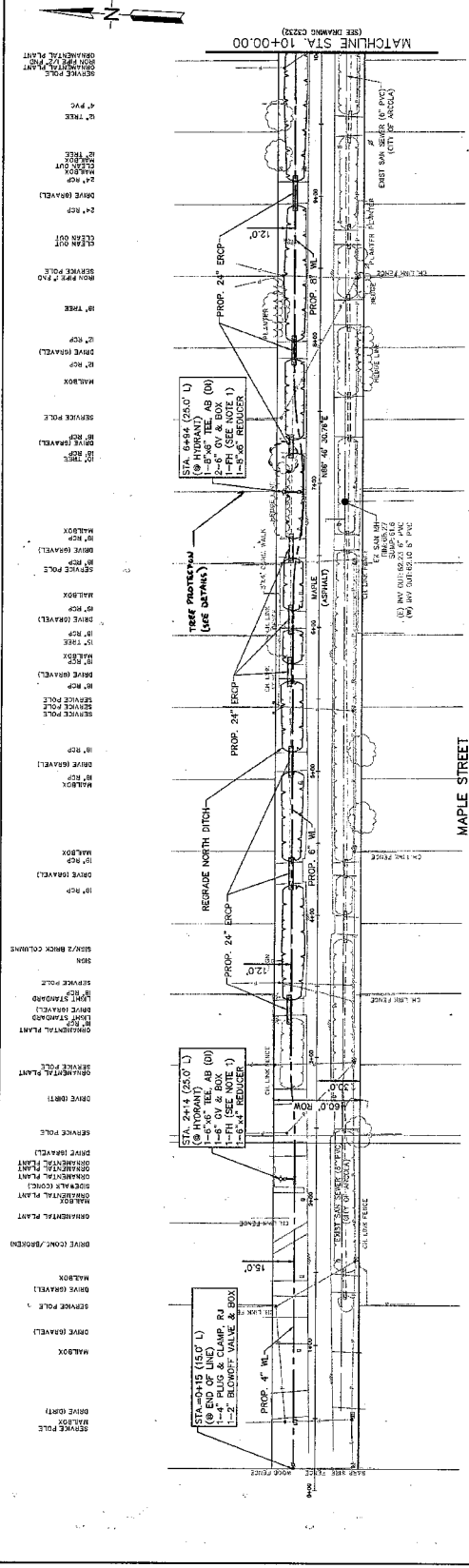


JACOBS
 8885 KODERDALE ROAD
 HOUSTON, TEXAS 77072
 PHONE: 281.556.1000
 FAX: 281.556.1001
 WWW.JACOBS.COM

FORT BEND COUNTY
 FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 MAPLE STREET
 STA 0+00 TO STA 10+00

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 PROJECT NO. 14-000000-0000
 SHEET NO. 51 OF 67

PROJECT NUMBER: C-3231
 SHEET NO. 51 OF 67
 DRAWING SCALE: HORIZ: 1"=40' VERT: 1"=4'
 DATE: 10/21/14
 PROJECT COORDINATOR: [Signature]



DATE: 10/21/14
 PROJECT COORDINATOR: [Signature]

* NOTE FOR WASTEWATER DESIGNER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN
 THIS PROJECT/PLAN SET'S WORKS
 (EXISTING WASTEWATER SYSTEM)

PROJECT BENCHMARK:
 NOS DESIGNATED N 668
 CONCRETE CURB WALLS TO BE 18 FEET EAST OF WEST EDGE OF
 SOUTH CONCRETE SIDEWALK OF AN 18' WIDE CURB UNDER STATE
 HIGHWAY 1070. THE CENTERLINE OF STATE ROUTE 284 AND IS FEET
 EAST OF THE CENTERLINE OF STATE ROUTE 284 AND IS FEET
 EAST OF THE CENTERLINE OF DALLAS RD.
 ELEVATION 70.0 (EAT 10.0)

FEMA MAP INFORMATION:
 THIS PORTION OF THE PROJECT LIES IN THE "OTHER AREAS - ZONE A"
 SPECIAL FLOOD HAZARD AREA, 100-YEAR FLOOD, 100-YEAR FLOOD
 ELEVATION 70.0 (EAT 10.0)

- NOTES:**
1. UNLESS NOTED OTHERWISE, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PRESENT ADDRESS
 MIMOSA STREET FROM THE EXISTING TO THE PROPOSED LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR
 EFFORT TO LOCATE THEM PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REPAIR IMMEDIATELY SO AS TO KEEP SYSTEM
 IN OPERATION. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PRESENT ADDRESS.
 2. OVER/UNDER CROSSING SANITARY SEWER, MAINTAINING
 2' MIN. SEPARATION.



FOR BIDDING UTILITY INFORMATION
 TWO (2) BUSINESS DAYS
 BEFORE YOU DIG CALL 811
 (OR 1-800-800-8000 (Toll Free))
 UTILITY NOTIFICATION ONE CALL
 www.onecall811.org

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED
 CALL CENTERPOINT ENERGY AT 713-267-2222.
NOTICE:
 For your safety, you are responsible for the location of all lines before you dig. Do not
 rely on this information for the location of lines. This information is provided for your information only.
 Utility owners are responsible for the location of their lines. (See address for NOT 811)

VERIFICATION OF PRIVATE UTILITY LINES
 Date: 10-1-14
 Signature: [Signature]

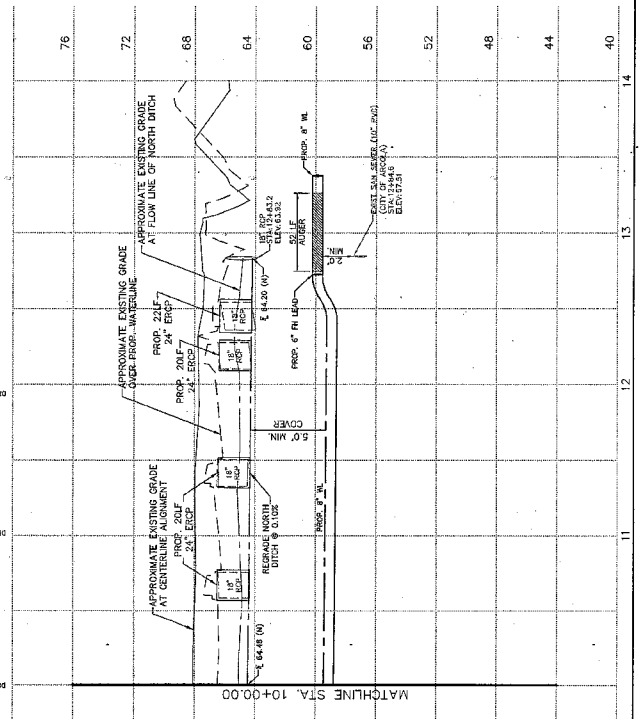
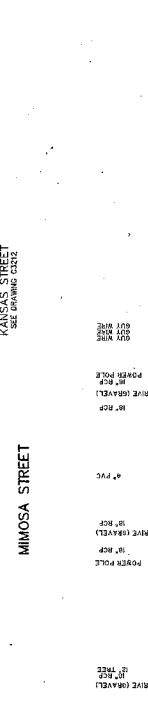
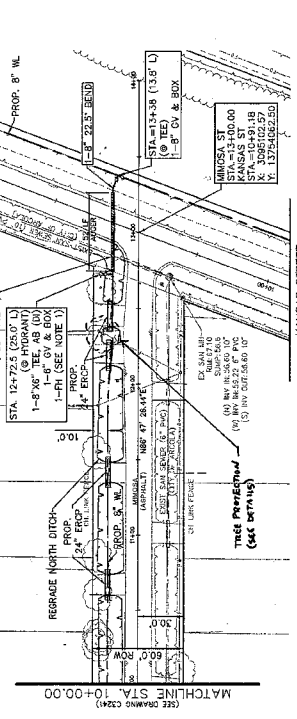
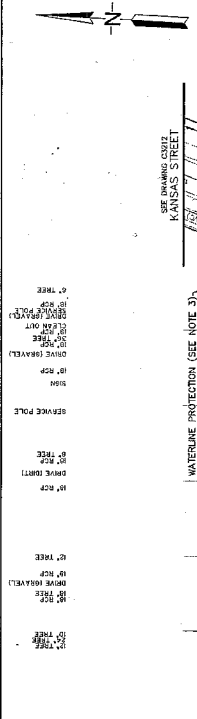
NO.	REVISIONS	DATE
1	ISSUED FOR BIDDING	10-1-14
2	REVISED TO SHOW PROPOSED CHANGES	10-7-14
3	REVISED TO SHOW PROPOSED CHANGES	10-7-14

JACOBS
 2909 RODGERS ROAD
 HOUSTON, TEXAS 77072
 PHONE: 832-3120
 FORT BEND COUNTY
 FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 MIMOSA STREET
 STA 10+00 TO KANSAS STREET

NOTE: CITY REQUIREMENTS VALID FOR ONE YEAR ONLY. FOR DATE OF SUBMITTALS
 CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 PHASE 3
 MIMOSA STREET
 STA 10+00 TO KANSAS STREET
 DRAWING NUMBER: C3242
 SHEET NO. 54 OF 87

DATE: 10-1-14
 DRAWING NUMBER: C3242
 SHEET NO. 54 OF 87

53010
 DRAWING SCALE
 HORIZ: 1" = 40'
 VERT: 1" = 4'



NOTE FOR WASTEWATER REMOVER:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN
 THIS PROJECT/PLAN SETS WORKS
 (CASTING WASTEWATER SYSTEM)

10/1/14
 DEVELOPMENT COORDINATOR

PROJECT BENCHMARK:
 MGS DESIGNATED 'A' BARS
 SOUTH CHANGING SIDEWALKS OF AN 'A' PAVEMENT UNDER STATE 39
 FEET EAST OF THE CENTERLINE OF STATE ROAD AND IS BEET
 SOUTH OF THE CENTERLINE OF DALLAS RD.
 ELEVATION 79.50 FEET (DATE 8/1)

FIELD MAP INFORMATION:
 THIS PORTION OF THE PROJECT LIES IN THE UPGRADED TOWNSHIPS AREAS
 COVERED BY THE 2014 FIRM. REVISION 2, 2014 FOR FOOT WALK
 COVERED BY THE 2014 FIRM. UNCORRECTED AREAS, SCALE 200' OF 200' MAP
 NO. 481000000L

NOTES:
 1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE.
 2. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE PRESENT ACROSS
 CENTERLINE OF ROAD. ALL DIMENSIONS SHALL BE TO THE CENTERLINE
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 ROAD. ALL DIMENSIONS SHALL BE TO THE CENTERLINE OF THE ROAD.
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 8. ALL DIMENSIONS SHALL BE TO THE CENTERLINE OF THE ROAD.
 9. ALL DIMENSIONS SHALL BE TO THE CENTERLINE OF THE ROAD.
 10. ALL DIMENSIONS SHALL BE TO THE CENTERLINE OF THE ROAD.

FOR BIDDING UTILITY INFORMATION:
 TMS (2) BUSINESS DAYS
 BEFORE YOU DIG CALL BIT
 (800-350-5000) (TOLL FREE)
 UTILITY INFORMATION ONE CALL
 (800) 368-5888
 www.onecall.com

811

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED:
 CALL CENTERPOINT ENERGY AT 713-207-2222

NOTICE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.

VERIFICATION OF PRIVATE UTILITY LINES

DATE: 10-6-14

BY: [Signature]

FOR: [Signature]

APPROVED BY: [Signature]

DATE: 10-6-14

FOR: [Signature]

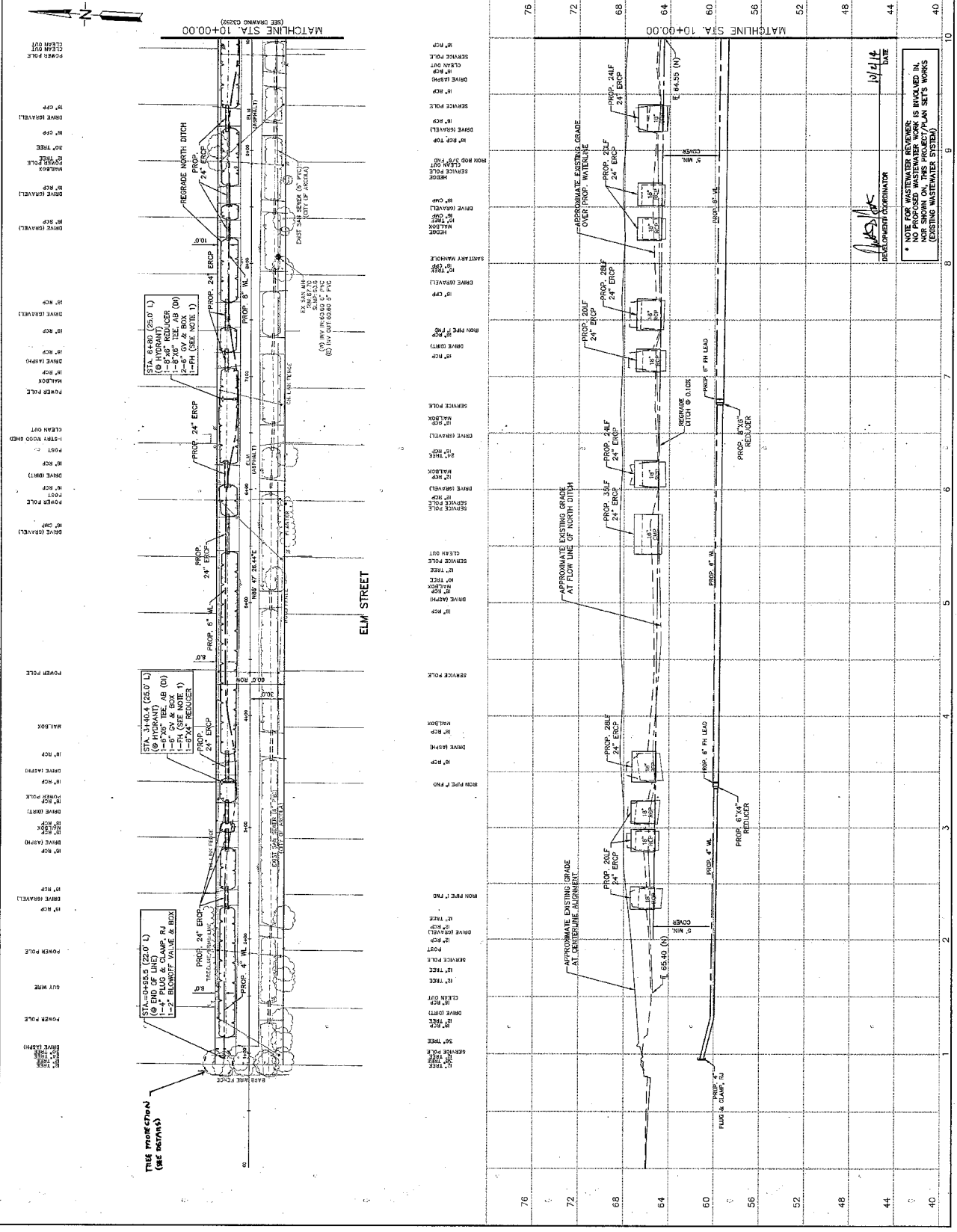
APPROVED BY: [Signature]

JACOBS
 8999 RODGERDALE ROAD
 SUITE 200
 HOUSTON, TEXAS 77072
 PHONE: 281-419-4000
 FAX: 281-419-4001
 WWW.JACOBS.COM

FORT BEND COUNTY
 FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 ELM STREET
 STA 0+00 TO STA 10+00

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1500 RICE AVENUE, SUITE 1000
 HOUSTON, TEXAS 77005
 PHONE: 713-871-1000
 FAX: 713-871-1001
 WWW.CITYOFHOUSTON.COM

PROJECT NUMBER: C3251
DATE: 10-6-14
SCALE: 1" = 40'
DATE: 10/1/14



DATE: 10/1/14

DESIGNER: [Signature]

CHECKED: [Signature]

DATE: 10/1/14

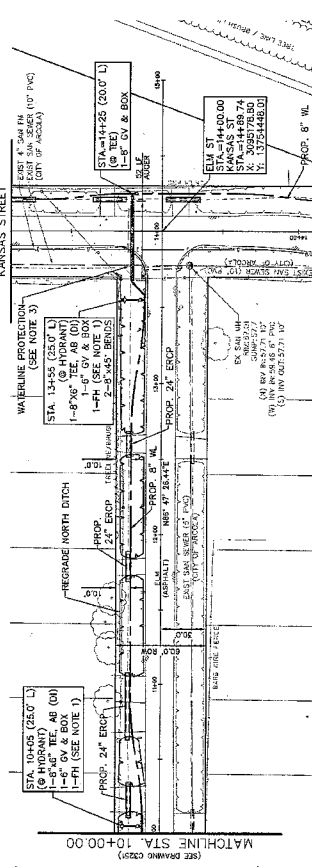
PROJECT COORDINATOR: [Signature]

DATE: 10/1/14

*** NOTE FOR WASTEWATER DESIGNER:**
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN
 THIS PROJECT. THE EXISTING WASTEWATER SYSTEM
 IS LOCATED UNDER THE EAST SIDE OF THE STREET.

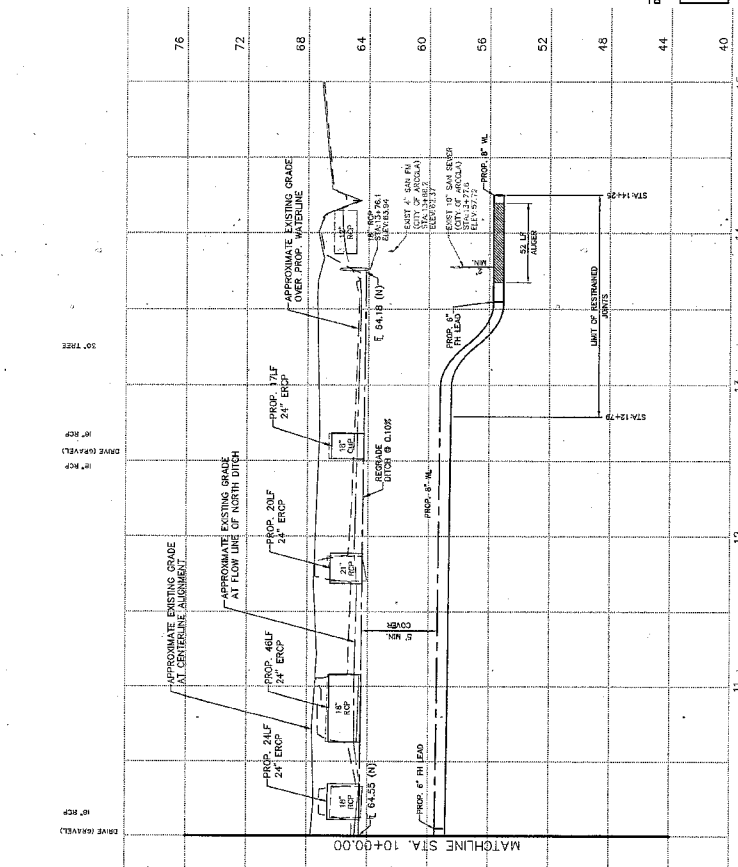
PROJECT NO. 55 OF 67

- NOTES:
1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE, UNLESS NOTED OTHERWISE. SEE PLAN FOR HYDRANT LOCATIONS.
 2. ALL HYDRANT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF HOUSTON STANDARD SPECIFICATIONS FOR WATER MAINS AND FIRE HYDRANTS.
 3. CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND SHALL REPAIR IMMEDIATELY AS TO KEEP SYSTEM IN OPERATION.
 4. CONTRACTOR SHALL LOCATE ALL EXISTING WATER MAINS AND FIRE HYDRANTS PRIOR TO CONSTRUCTION.
 5. CONTRACTOR SHALL MAINTAIN ALL EXISTING SANITARY SEWER MAINS AND SHALL REPAIR IMMEDIATELY AS TO KEEP SYSTEM IN OPERATION.
 6. CONTRACTOR SHALL MAINTAIN ALL EXISTING SANITARY SEWER MAINS AND SHALL REPAIR IMMEDIATELY AS TO KEEP SYSTEM IN OPERATION.
 7. CONTRACTOR SHALL MAINTAIN ALL EXISTING SANITARY SEWER MAINS AND SHALL REPAIR IMMEDIATELY AS TO KEEP SYSTEM IN OPERATION.
 8. CONTRACTOR SHALL MAINTAIN ALL EXISTING SANITARY SEWER MAINS AND SHALL REPAIR IMMEDIATELY AS TO KEEP SYSTEM IN OPERATION.
 9. CONTRACTOR SHALL MAINTAIN ALL EXISTING SANITARY SEWER MAINS AND SHALL REPAIR IMMEDIATELY AS TO KEEP SYSTEM IN OPERATION.
 10. CONTRACTOR SHALL MAINTAIN ALL EXISTING SANITARY SEWER MAINS AND SHALL REPAIR IMMEDIATELY AS TO KEEP SYSTEM IN OPERATION.



KANSAS STREET
SEE DRAWING C322 FOR DIMENSIONS

ELM STREET



- PROJECT BENCHMARK: N 888
N 888 BENCHMARK IS A 10\"/>

FOR SHOWN UTILITY INFORMATION:
TWO (2) BUSINESS DAYS
BEFORE YOU DIG CALL 811
(OR 1-800-545-5000 TOLL FREE)
UTILITY NOTIFICATION ONE CALL
www.onecall811.com

TO ASSURE FOR LINES TO BE TURNED OFF OR MOVED,
CALL CENTERPOINT ENERGY AT 713-507-2222
NOTICE:
FOR YOUR PROTECTION, THE INFORMATION ON THIS DRAWING IS THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.

VERIFICATION OF PRIVATE UTILITY LINES
DATE: 10-6-14

REVISIONS
DATE: 10-6-14
DATE: 10-7-14

JACOBS
5885 RIDGEDALE ROAD
HOUSTON, TEXAS 77012
TELEPHONE NO. 52828

FORT BEND COUNTY
FRESHWATER SUPPLY DISTRICT NO. 1
WATER SYSTEM IMPROVEMENTS
PHASE 3
ELM STREET
STA 10+00 TO KANSAS STREET

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
PROJECT NO. 10-21-14
DRAWING NUMBER: C3252
SHEET NO. 56 OF 67

DATE: 10/21/14
DRAWING SCALE:
HOR: 1" = 40'
VER: 1" = 4'
SHEET NO. 56 OF 67

* NOTE FOR WASTEWATER REVIEWER:
NO PROPOSED WASTEWATER WORK IS INVOLVED IN
THIS PROJECT/PLAN SETS WORKS
(EXISTING WASTEWATER SYSTEM)

PROJECT BENCHMARK TO BE SET
 4885 FORT BEND COUNTY
 SOUTH CONCRETE ROAD WALL OF AN EXISTING BUILDING LOCATED AT THE
 INTERSECTION OF FORT BEND COUNTY ROAD 100 AND FORT BEND COUNTY ROAD 101
 SOUTH OF THE CENTERLINE OF FORT BEND COUNTY ROAD 100
 (ELEVATION TO 70 FEET BANS 88)

FROM MAP INFORMATION:
 THE BENCHMARK IS IN THE "OTHER AREAS - NEW" X
 FOR FORT BEND COUNTY, TEXAS, DISTRICT 10, COUNTY OF FORT BEND COUNTY,
 TEXAS. THE BENCHMARK IS IDENTIFIED AS FORT BEND COUNTY BENCHMARK
 4885000000.

NOTES:
 1. FIRE HYDRANTS TO BE INSTALLED 6" OFF ROW LINE.
 2. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE PERCENTAGES.
 3. SPRUCE STREET CONTRACTOR SHALL MAKE EVERY
 EFFORT TO LOCATE THEM PRIOR TO CONSTRUCTION.
 4. ALL REPAIRS SHALL BE MADE IMMEDIATELY SO AS TO KEEP SYSTEM
 OPERATIONAL.
 5. CENTERLINE SHALL BE MAINTAINED TO PREVENT
 OVER/UNDER EXISTING SANITARY SEWER, MAINTAINING
 2' MIN. SEPARATION.

FOR FURTHER UTILITY INFORMATION
 TWO (2) BUSINESS DAYS
 BEFORE YOU DIG CALL 811
 (OR 1-800-545-4000 TOLLFREE)
 UTILITY INFORMATION CALL CALL
 www.texas811.com



TO ARRANGE FOR LINES TO BE TUNED OR FOR NOTES,
 CALL CENTERPOINT ENERGY AT 713-207-2222

NOTICE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL
 UTILITIES PRIOR TO CONSTRUCTION. THIS VERIFICATION IS THE CONTRACTOR'S RESPONSIBILITY AND NOT
 THAT OF THE ENGINEER OR ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL
 NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND UTILITIES.

VERIFICATION OF PRIVATE UTILITY LINES

DATE: 10-7-14

DESIGNED BY: [Signature]

PROJECT NO. 57 OF 67

JACOBS
 5985 ROODEDALE ROAD
 HOUSTON, TEXAS 77072
 PHONE: 281.240.8000
 WWW.JACOBS.COM

FORT BEND COUNTY
 FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3

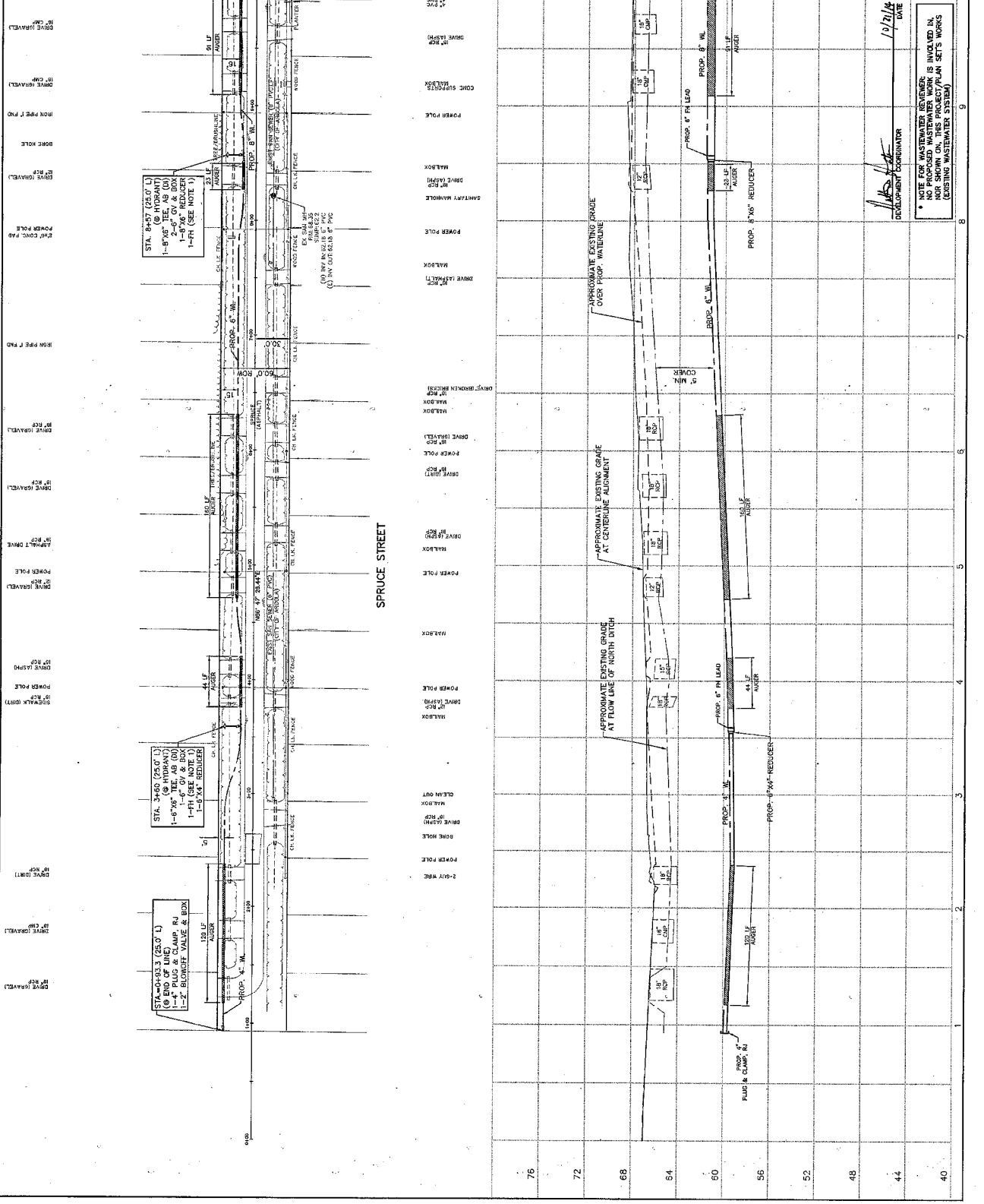
SPRUCE STREET
 STA 0+00 TO STA 10+00

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1500 RICE AVENUE, SUITE 1000
 HOUSTON, TEXAS 77005
 PHONE: 713.554.3333
 WWW.CITYOFHOUSTON.COM

PROJECT NUMBER: C-3261
 SHEET NO. 57 OF 67

DRAWING SCALE
 HORIZ: 1" = 40'
 VERT: 1" = 4'

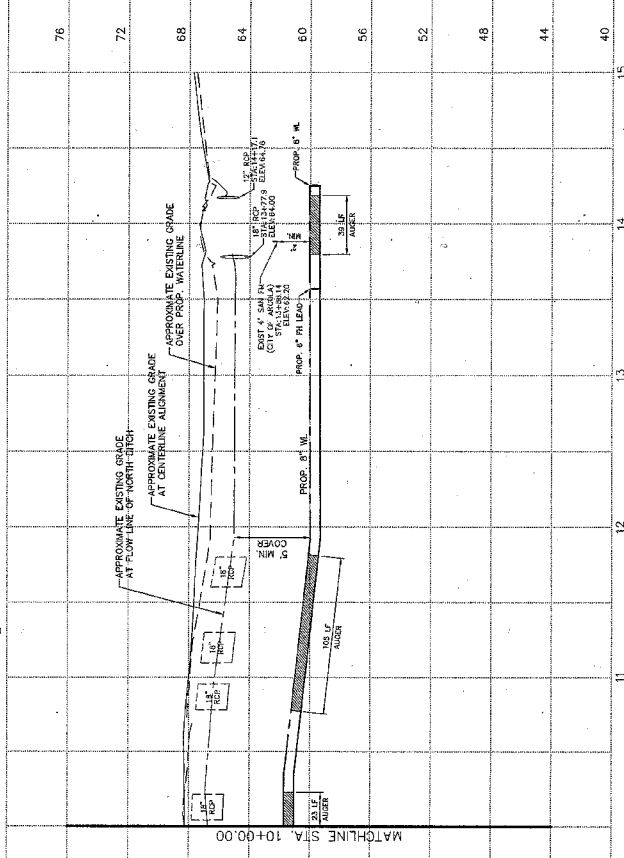
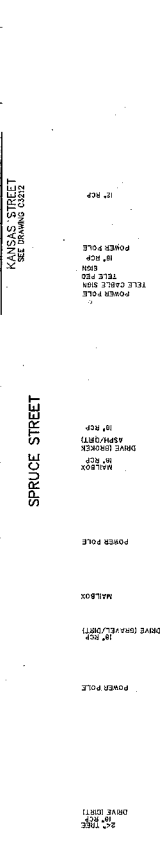
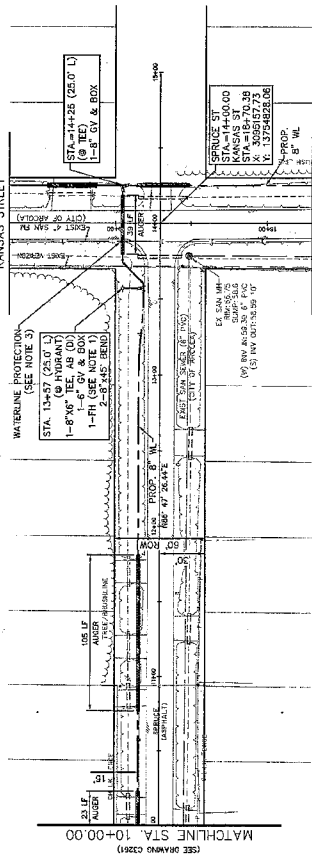
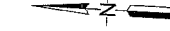
DATE: 10/21/14



NOTE FOR WASTEWATER SEWERS:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN
 THIS PROJECT/TOWN SET'S WORKS
 (EXISTING WASTEWATER SYSTEM)

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

- NOTES:
1. FIRE HYDRANTS TO BE INSTALLED 5' OFF ROW LINE.
 2. WASTEWATER SERVICE LEADS ARE PRESENT ACROSS SPRUCE STREET. CONTRACTOR SHALL MAKE EVERY EFFORT TO AVOID THESE LEADS. IF DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPAIR IMMEDIATELY SO AS TO KEEP SYSTEM OPERATIONAL.
 3. CENTER ONE FULL JOINT OF WATERLINE PIPE OVER/UNDER EXISTING SANITARY SEWER AND EXISTING 4" CONCRETE WATER MAIN. MAINTAIN 2" MIN. SEPARATION.
 4. EXISTING 4" SANITARY FORCE MAIN SHOWN AT FOREMAN PRIOR TO CONSTRUCTION.



- PROJECT BACKGROUND:
- THIS PROJECT IS PART OF THE FORT BEND COUNTY WATER SYSTEM IMPROVEMENTS PHASE 5 PROJECT. THE PROJECT IS LOCATED AT THE INTERSECTION OF SPRUCE STREET AND KANSAS STREET IN THE CITY OF FORT BEND, TEXAS. THE PROJECT IS A PART OF THE FORT BEND COUNTY WATER SYSTEM IMPROVEMENTS PHASE 5 PROJECT.
- FOR BIDDING INFORMATION:
- TWO (2) BUSINESS DAYS BEFORE YOU BID CALL B11 AT 281-333-3333 OR VISIT WWW.FORTBENDCOUNTYTX.GOV FOR BIDDING INFORMATION. CALL B11 AT 281-333-3333 FOR BIDDING INFORMATION.
- FOR BIDDING INFORMATION:
- TWO (2) BUSINESS DAYS BEFORE YOU BID CALL B11 AT 281-333-3333 OR VISIT WWW.FORTBENDCOUNTYTX.GOV FOR BIDDING INFORMATION. CALL B11 AT 281-333-3333 FOR BIDDING INFORMATION.



FOR BIDDING INFORMATION:

TWO (2) BUSINESS DAYS BEFORE YOU BID CALL B11 AT 281-333-3333 OR VISIT WWW.FORTBENDCOUNTYTX.GOV FOR BIDDING INFORMATION. CALL B11 AT 281-333-3333 FOR BIDDING INFORMATION.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTRAL ENERGY AT 713-507-2622.

NOTICE:

FOR YOUR SAFETY, ONLY ONE OPERATOR IS TO BE AT THE SITE AT ANY ONE TIME. THE OPERATOR SHALL BE TRAINED AND CERTIFIED IN THE USE OF THE EQUIPMENT. THE OPERATOR SHALL BE TRAINED AND CERTIFIED IN THE USE OF THE EQUIPMENT.

VERIFICATION OF PRIVATE UTILITY LINES

DATE: 10-2-14

BY: [Signature]

APP	REVISIONS	DATE



JACOBS

6800 RODRIGUEZ ROAD
SUITE 100
HOUSTON, TEXAS 77057

FORT BEND COUNTY
FRESHWATER SUPPLY DISTRICT NO. 1
WATER SYSTEM IMPROVEMENTS
PHASE 5
SPRUCE STREET
STA 10+00 TO KANSAS STREET

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

PROJECT NUMBER: C3262

DATE: 10/2/14



DRAWING SCALE:
HORIZ. 1" = 40'
VERT. 1" = 8'

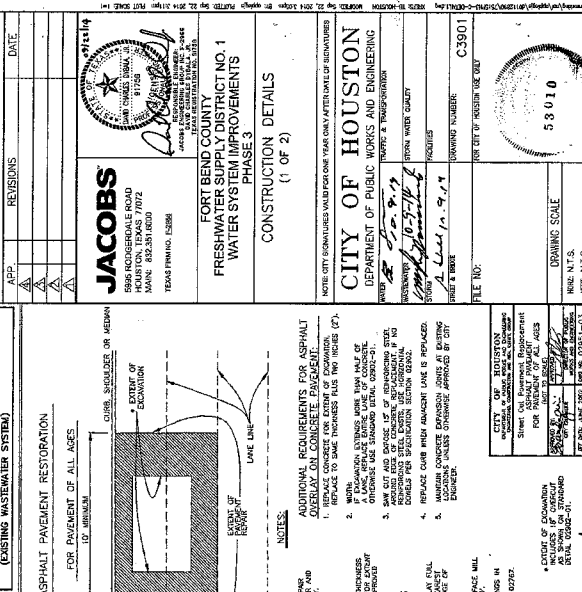
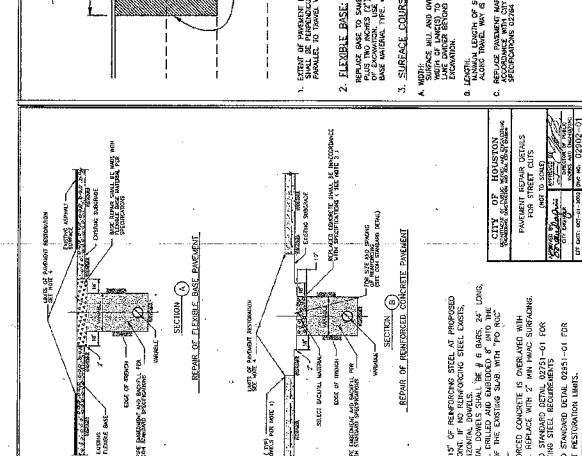
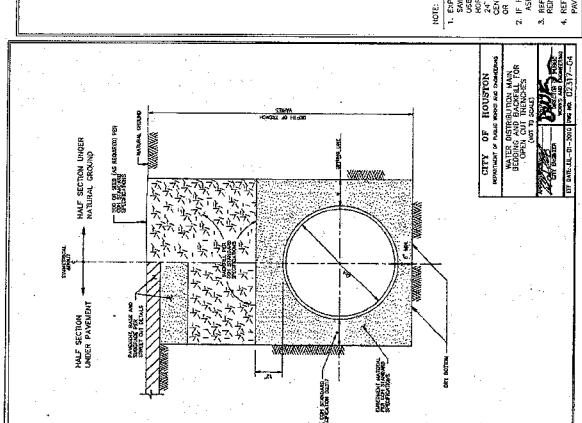
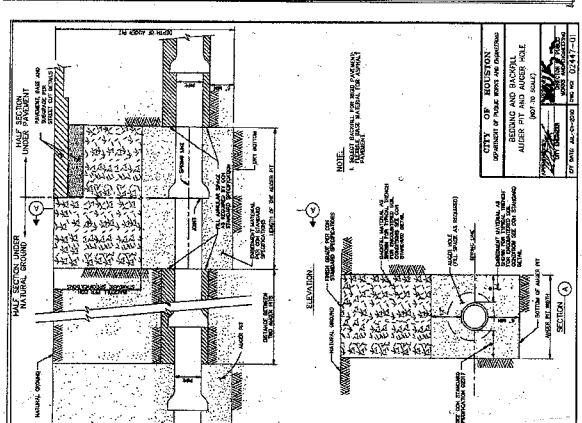
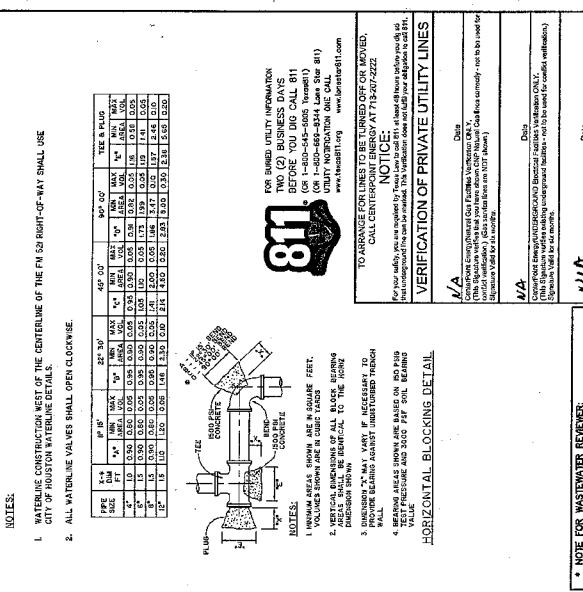
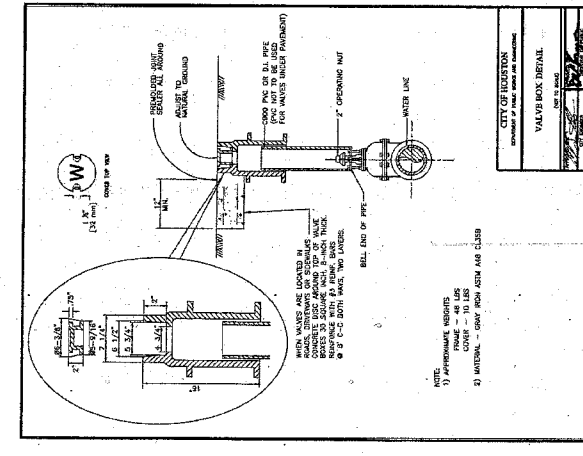
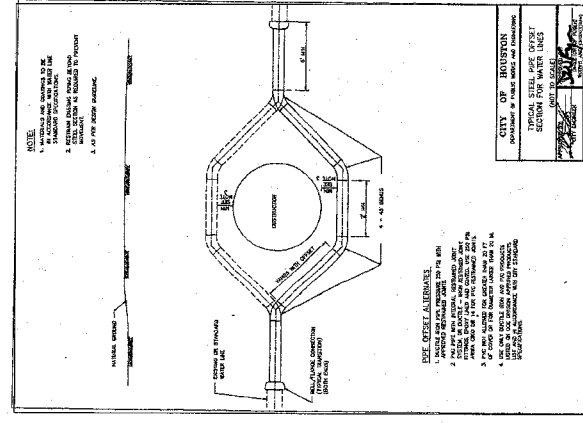
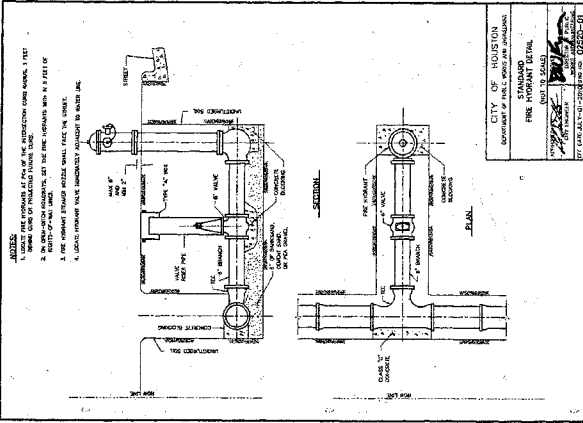
SHEET NO. 58 OF 67

DESIGNER: [Signature]

COORDINATOR: [Signature]

DATE: 10/2/14

* NOTE FOR WASTEWATER REVIEWER:
NO PROPOSED WASTEWATER WORK IS INVOLVED IN THIS PROJECT/PLAN SETS WORKS (EXISTING WASTEWATER SYSTEM)



TO ARRANGE FOR LINES TO BE LINED, CONTACT THE CONTRACTOR AT 713-607-2222.
CALL CENTER POINT ENERGY AT 713-607-2222.

811

FOR BUNDLED UTILITIES, CONTACT TWO (2) BUSINESS DAYS BEFORE YOU DIG CALL 811 (OR 1-800-454-5000 TOLL FREE) OR VISIT WWW.CITYOFHOUSTON.COM

PIPE SIZE	48" O.D.	36" O.D.	24" O.D.	18" O.D.	12" O.D.	8" O.D.	6" O.D.	4" O.D.	3" O.D.	2" O.D.	1 1/2" O.D.	1" O.D.	3/4" O.D.	3/8" O.D.	1/4" O.D.	1/8" O.D.
1" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
8" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
10" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
12" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
15" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
24" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
30" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
48" x 12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

FOR BUNDLED UTILITIES, CONTACT TWO (2) BUSINESS DAYS BEFORE YOU DIG CALL 811 (OR 1-800-454-5000 TOLL FREE) OR VISIT WWW.CITYOFHOUSTON.COM

JACOBS
9895 ROCHESTER ROAD
HOUSTON, TEXAS 77072
PHONE: 281-351-8000

**FORT BEND COUNTY
FRESHWATER SUPPLY DISTRICT NO. 1
WATER SYSTEM IMPROVEMENTS
PHASE 3**

**CONSTRUCTION DETAILS
(1 OF 2)**

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
1000 WEST 17TH STREET, SUITE 1000
HOUSTON, TEXAS 77019
PHONE: 713-607-2222

PROJECT NUMBER: C3901
SHEET NO. 99 OF 67

NOTES:

1. EXISTING CONCRETE SHALL BE REMOVED AND REPLACED WITH NEW CONCRETE.
2. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.
3. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.
4. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.
5. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
1000 WEST 17TH STREET, SUITE 1000
HOUSTON, TEXAS 77019
PHONE: 713-607-2222

NOTES:

1. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.
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5. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
1000 WEST 17TH STREET, SUITE 1000
HOUSTON, TEXAS 77019
PHONE: 713-607-2222

NOTES:

1. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.
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4. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.
5. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
1000 WEST 17TH STREET, SUITE 1000
HOUSTON, TEXAS 77019
PHONE: 713-607-2222

NOTES:

1. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.
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4. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.
5. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
1000 WEST 17TH STREET, SUITE 1000
HOUSTON, TEXAS 77019
PHONE: 713-607-2222

NOTES:

1. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.
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4. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.
5. ALL MATERIALS ARE TO BE PROVIDED BY THE CONTRACTOR.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
1000 WEST 17TH STREET, SUITE 1000
HOUSTON, TEXAS 77019
PHONE: 713-607-2222

NOTE: YOU MUST PROVIDE CONSTRUCTION ACCESS WAYS TO ALL CROSS DITCHES. CONSTRUCTION ACCESS WAYS SHALL BE INSTALLED WITH A DIAMETER EQUAL TO OR GREATER THAN THE ADJACENT, DOWNSTREAM CULVERT.

811 FOR PUBLIC UTILITY INFORMATION CALL 811 (OR 1-800-485-6000, TOLL FREE) (OR 1-800-485-6000, TOLL FREE) (OR 1-800-485-6000, TOLL FREE) www.811.org

TO OBTAIN PERMITS FOR THE PROJECT, CONTACT:
 CALL CENTER POINT (800) 743-6722

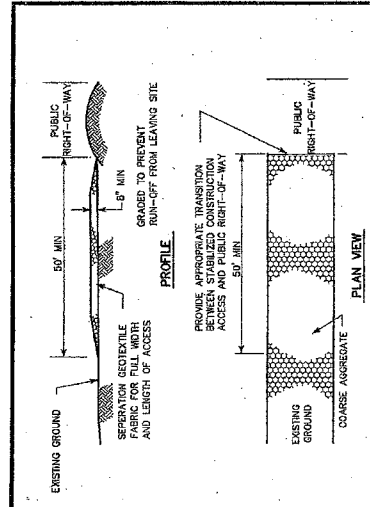
NOTICE:
 THE CITY OF HOUSTON HAS THE RIGHT TO STOP ANY CONSTRUCTION WORK AT ANY TIME IF THE CITY DETERMINES THAT THE WORK IS NOT BEING COMPLETED IN ACCORDANCE WITH THE PERMIT CONDITIONS.

VERIFICATION OF PRIVATE UTILITY LINES

JACOBS
 8088 INDEPENDENCE ROAD
 HOUSTON, TEXAS 77025
 PHONE: 282.261.6000
 TRAVIS BRIMLEY, ESQ.

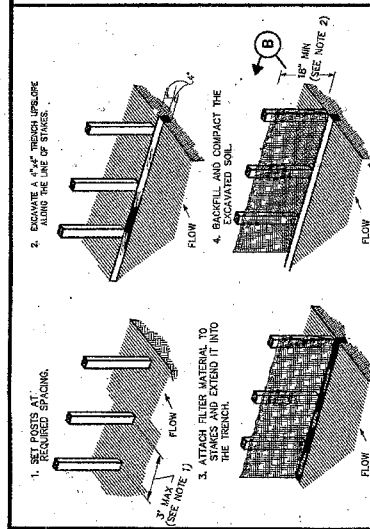
**FORT BEND COUNTY
 FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 SWPPP DETAILS**

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1100 WEST 17TH STREET, SUITE 1000
 HOUSTON, TEXAS 77019
 PHONE: 713.550.7000
 FAX: 713.550.7000
 PROJECT NUMBER: C3903
 SHEET NO. 61 OF 67



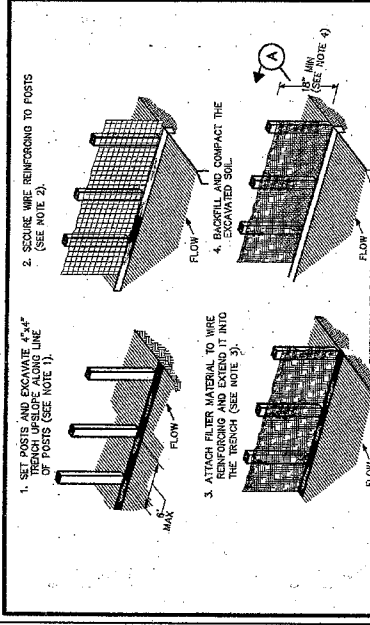
CONSTRUCTION NOTES:

- LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
- THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
- WIDTH SHALL BE NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
- STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH SHOWN ON THE CONSTRUCTION DRAWINGS.
- STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE A WASHING AREA. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE WASHING AREA.
- COH STANDARD SPECIFICATION FOR STABILIZED CONSTRUCTION ACCESS.
- STABILIZED CONSTRUCTION ACCESS SHALL BE MAINTAINED FREE OF DEBRIS FOR THE DURATION OF THE PROJECT.



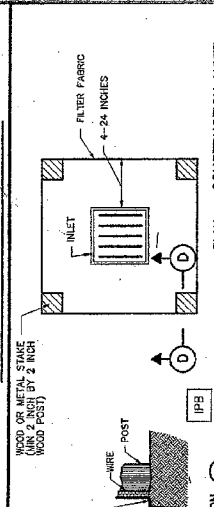
CONSTRUCTION NOTES:

- 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.
- ATTACH FILTER FABRIC TO WOODEN STAKES. FILTER FABRIC HEIGHT OF 36 INCHES ABOVE NATURAL GROUND.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
- SEE COH STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.

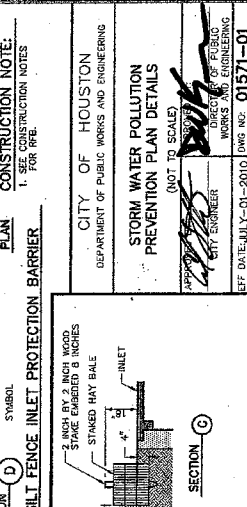


CONSTRUCTION NOTES:

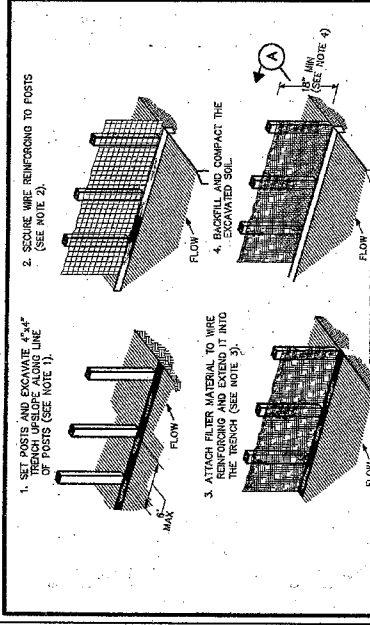
- SET 2 INCH BY 2 INCH WOODEN STAKES SPACED A MAX OF 6 FEET APART AND EMBEDDED A MIN OF 12 INCHES.
- POSTS TO BE FASTENED SECURELY TO WOODEN STAKES.
- POSTS TO BE SPACED EQUALLY TO WHEN WIRE REINFORCING WITH 1/2" SPACING EVERY 24 INCHES AT TOP AND MIDSECTION.
- MINIMUM HEIGHT OF FILTER SHOULD BE 18 INCHES AND A MAXIMUM OF 36 INCHES ABOVE NATURAL GROUND.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
- SEE COH STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.



CONSTRUCTION NOTE:
 1. SEE CONSTRUCTION NOTES FOR SILT FENCE.

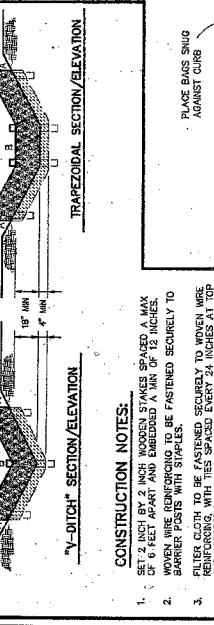


CONSTRUCTION NOTE:
 1. SEE CONSTRUCTION NOTES FOR SILT FENCE.



CONSTRUCTION NOTES:

- SET 2 INCH BY 2 INCH WOODEN STAKES SPACED A MAX OF 6 FEET APART AND EMBEDDED A MIN OF 12 INCHES.
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CONSTRUCTION NOTE:
 1. SEE CONSTRUCTION NOTES FOR SILT FENCE.

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1100 WEST 17TH STREET, SUITE 1000
 HOUSTON, TEXAS 77019
 PHONE: 713.550.7000
 FAX: 713.550.7000
 PROJECT NUMBER: C3903
 SHEET NO. 61 OF 67

STORM WATER POLLUTION PREVENTION PLAN DETAILS

DATE: 10/21/14

DESIGNER: [Signature]

CHECKED BY: [Signature]

APPROVED BY: [Signature]

DATE: 10/21/14

PROJECT NUMBER: C3903

SHEET NO. 61 OF 67

CONSTRUCTION NOTES:

- USE FOR WASTEWATER OR OTHER NON-PACKAGED WASTEWATER WORK IS INVOLVED IN THIS PROJECT/PLAN SET'S WORKS (EXISTING WASTEWATER SYSTEM).

PROJECT PERMITS: 11-1668
 THIS PROJECT IS SUBJECT TO THE CITY OF HOUSTON'S
 UTILITY DEPARTMENT'S (UD) REQUIREMENTS FOR
 INSTALLATION OF UTILITY LINES. THE CITY OF HOUSTON
 WILL BE RESPONSIBLE FOR THE INSTALLATION OF
 UTILITY LINES AT THE JUNCTION OF PUBLIC ROAD AND PRIVATE ROAD. THE
 UTILITY LINES SHALL BE INSTALLED AT THE JUNCTION OF PUBLIC ROAD AND PRIVATE ROAD
 SOUTH OF THE CENTERLINE OF DALLAS RD.
 ELEVATION 70.70 FEET (BAND 81)

LEGEND:

- FILTER FABRIC BARRIER
- REINFORCED FILTER FABRIC BARRIER ACROSS DITCH
- REINFORCED FILTER FABRIC BARRIER IN FRONT OF DITCH CROSS CULVERT



FOR 811 SERVICE, VISIT www.811.org
 TWO (2) BUSINESS DAYS BEFORE YOU DIG CALL 811
 (OR 1-800-538-8009 TOLLFREE)
 FOR A FREE 811 SERVICE CARD
 UTILITY NOTIFICATION CALL: 811
www.811.org

TO AVOID GAS LINES TO BE TANKED BY GAS SERVICE, CALL CENTERPOINT ENERGY AT 713-207-2222.
 NOTICE: This drawing is for informational purposes only. It is not to be used for construction. The contractor shall verify the location and depth of all utility lines before any excavation work is performed. The contractor shall be responsible for any damage to utility lines.

VERIFICATION OF PRIVATE UTILITY LINES

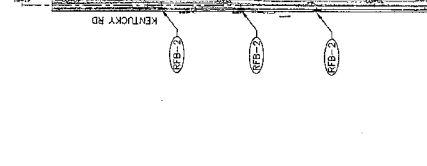
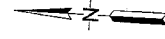
APP.	REVISIONS	DATE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

JACOBS
 8888 KENNEDY ROAD
 HOUSTON, TEXAS 77072
 PHONE: 832.571.6000
 TEXAS PERMITS: 53866



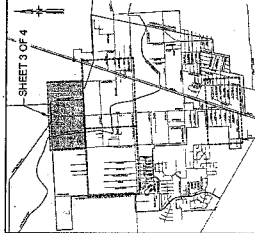
FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 STORMWATER POLLUTION PREVENTION PLAN
 SHEET 3 OF 4

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 PROJECT NO. 11-1668
 DRAWING NO. 11-1668-0370
 COUNTY: HARRIS COUNTY
 SHEET NO. 64 OF 67



MATCHLINE STA. 28+10.37
 SEE DRAWING CHDS

MATCHLINE STA. 40+50
 SEE DRAWING CHDS



DEVELOPMENT COORDINATOR
 DATE 10/21/14
 * NOTE FOR WASTEWATER WORKERS:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN
 THIS PROJECT/PLAN SET'S WORKS
 (EXISTING WASTEWATER SYSTEM)

SHEET KEY
 (FBCFWSDPH - PHASE 3)

LEGEND

- Type III Barricade
- Channelizing Devices
- Truck Mounted Attenuator
- Trailer Mounted Flashing Arrow Board
- Flashing Arrow Board
- Message Sign
- Slip Post

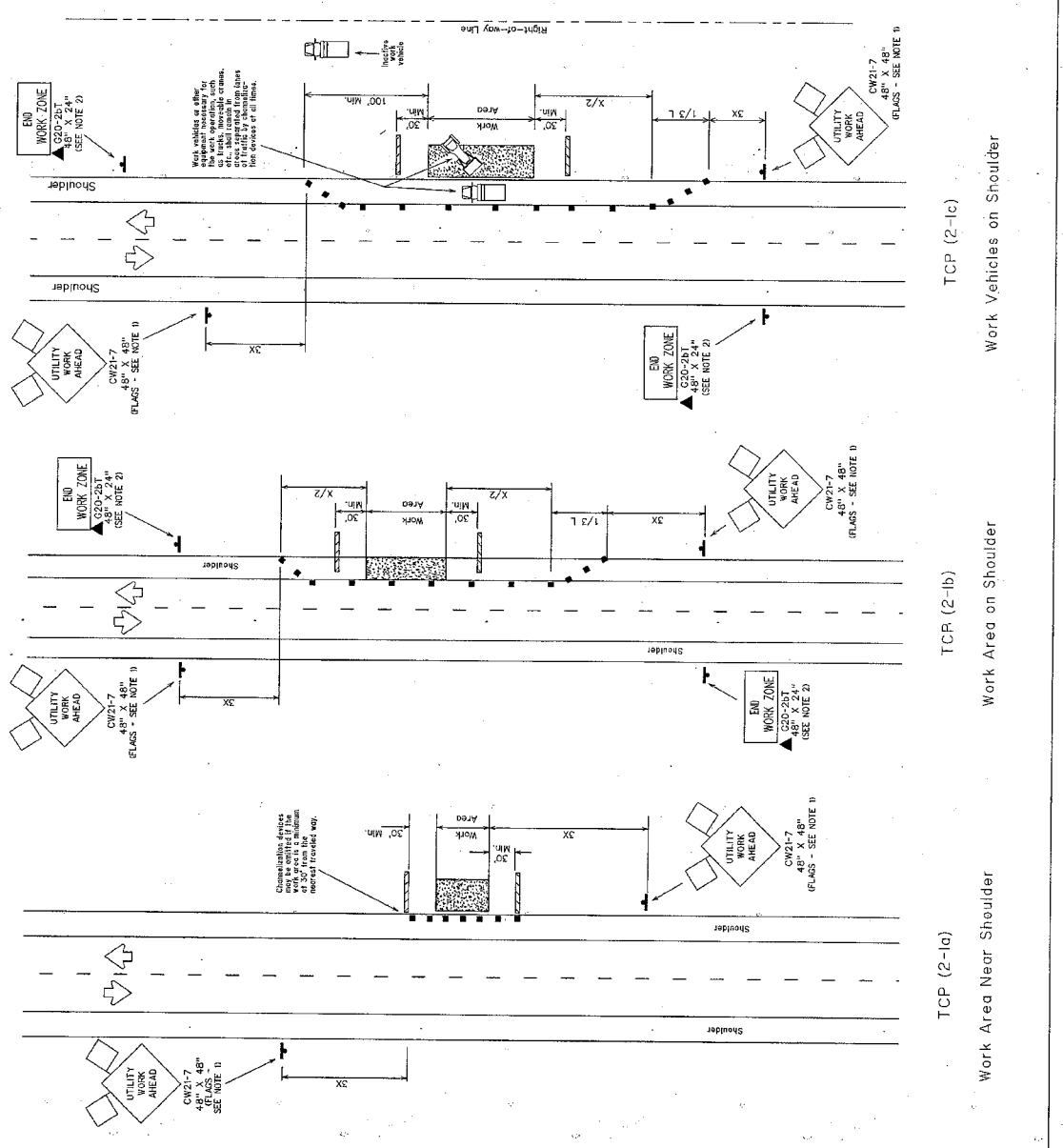
Speed Limit (mph)	Minimum Distance (ft)		Minimum Distance (ft)		Minimum Sign Spacing (ft)
	Front	Rear	Front	Rear	
30	150'	180'	180'	30'	120'
35	150'	225'	243'	35'	160'
40	150'	285'	320'	40'	240'
45	150'	345'	405'	45'	320'
50	150'	405'	495'	50'	400'
55	150'	465'	585'	55'	480'
60	150'	525'	675'	60'	560'
65	150'	585'	765'	65'	640'
70	150'	645'	855'	70'	720'

Sign Type	Minimum Distance (ft)	
	Front	Rear
Mobile	700'	770'
Stationary	840'	840'

GENERAL NOTES:

- Unless otherwise stated in the plans, flags attached to signs are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol (not to be used when speed measurement is in the plans).
- Type III barricades are required on both sides of work area at all times where shown. See BC Standards for barricade details.
- Stanchion material should be placed a minimum 30' from nearest traveled way.
- On high speed facilities advance warning signs should be installed on the shoulder taper. On low speed facilities the advance warning sign should be placed on the "x" minimum distance.

Only pre-qualified products shall be used. A list of compliant products and their sources may be obtained by writing or texting: Standards Engineer, Traffic Operations Division - TE, Texas Department of Transportation, Austin, Texas 78701-2483, Phone (512) 466-3333, Fax (512) 466-3333, E-mail: TE@tdot.state.tx.us



TCP (2-1a) Work Area Near Shoulder

TCP (2-1b) Work Area on Shoulder

TCP (2-1c) Work Vehicles on Shoulder

* USE FOR WASTEWATER TREATMENT. NO PROPOSED WASTEWATER WORK IS INVOLVED IN, NOR SHOWN ON, THIS PROJECT/PLAN SETS WORKS (EXISTING WASTEWATER SYSTEM)



FOR BARRIERS, UTILITY INFORMATION, TRUCK MOUNTED ATTENUATOR, MESSAGE SIGN, TRAILER MOUNTED FLASHING ARROW BOARD, OR OTHER TRAFFIC CONTROL DEVICES, CALL 811 AT 713-697-3222.

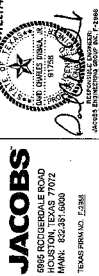
VERIFICATION OF PRIVATE UTILITY LINES

DATE: _____

BY: _____

REVISIONS: _____

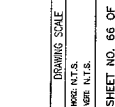
DATE: _____



JACOBS
6866 ROCKBROOK ROAD
HOUSTON, TEXAS 77022
PHONE: 282.89.5800

FORT BEND COUNTY
FRESHWATER SUPPLY DISTRICT NO. 1
WATER SYSTEM IMPROVEMENTS
PHASE 3
TRAFFIC CONTROL PLAN
SHEET 1 OF 2

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
OFFICE OF TRANSPORTATION
PROJECT NO. 17-0000000000
DRAWING NUMBER: C35008
FILE NO.: _____
DATE: 10/12/14





FOR BURIED UTILITY INFORMATION
 TWO (2) BUSINESS DAYS
 BEFORE YOU DIG CALL 811
 (OR 1-800-44-8000 TOLLFREE)
 (FOR A LIST OF PARTICIPATING
 UTILITY NOTIFICATION AGENCIES
 VISIT: www.811.org www.texas811.com

TO ADVANCE FOR LINES TO BE TUNED OFF ON TRACKED,
 CALL CENTERPOINT ENERGY AT 713-207-2222.
NOTICE:
 The contractor shall be responsible for obtaining all necessary permits for the work shown on this plan. The contractor shall be responsible for obtaining all necessary permits for the work shown on this plan. The contractor shall be responsible for obtaining all necessary permits for the work shown on this plan.

VERIFICATION OF PRIVATE UTILITY LINES

DATE: _____

BY: _____

REVISIONS:

APP.	DATE	REVISIONS

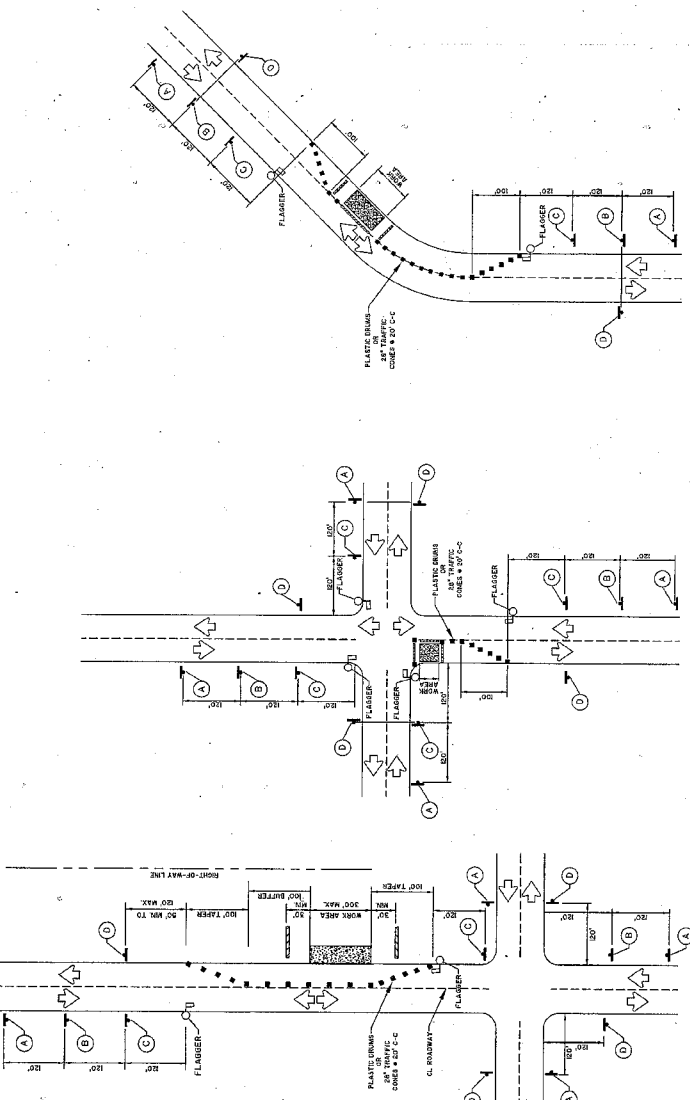
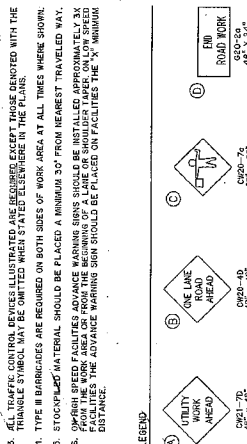
JACOBS
 6995 RIDGEBLADE ROAD
 HOUSTON, TEXAS 77021
 PHONE: 281.240.2200
 TOLL FREE: 800.441.2200

FORT BEND COUNTY
 FRESHWATER SUPPLY DISTRICT NO. 1
 WATER SYSTEM IMPROVEMENTS
 PHASE 3
 TRAFFIC CONTROL PLAN
 SHEET 2 OF 2

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 PROJECT NO. 14-000000-0000
 DRAWING NUMBER: C3909
 DATE: 12/11/14

DATE: 12/11/14
 DRAWING SCALE: AS SHOWN
 WORK IN T.S.: 53 U 10
 SHEET NO. 67 OF 67

- GENERAL NOTES:**
- CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL DEVICES, SIGNS, AND BARRIERS ON THESE DRAWINGS AT ALL TIMES. CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL DEVICES, SIGNS, AND BARRIERS ON THESE DRAWINGS AT ALL TIMES. CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL DEVICES, SIGNS, AND BARRIERS ON THESE DRAWINGS AT ALL TIMES.
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TYPICAL ONE LANE TWO WAY FLAGGING OPERATION

WORK AREA IN AN INTERSECTION ONE LANE TWO WAY FLAGGING OPERATION

TYPICAL ONE LANE TWO WAY FOR CURVED ROADS, FLAGGING OPERATION

DESIGNER: _____ DATE: 12/11/14

PROJECT COORDINATOR: _____

* NOTE FOR WASTEWATER SERVICES:
 NO PROPOSED WASTEWATER WORK IS INVOLVED IN
 THIS PROJECT. (EXISTING WASTEWATER SYSTEMS)