

REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

On this 23rd day of August, 2016, Commissioners Court came on to be heard and reviewed the accompanying notice of G&A Boring Direccional Job Location Davis and West Davis Road, Houston, TX 77545 Date 8/2/2016 Bond No. CE12146200006, Permit No. 2016-8824 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 _____, seconded by Commissioner _____, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Notes:

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
 - a. 48 hours in advance of construction start up, and
 - b. when construction is completed and ready for final inspection
 Mail notices to: Permit Administrator
 Fort Bend County Engineering
 301 Jackson Street
 Richmond, Texas 77469
 281-633-7500
3. This permit expires one (1) year from date of permit if construction has not commenced.

By: Charles O. [Signature]
for County Engineer

Presented to Commissioners Court and approved.
Recorded in Volume _____

Minutes of Commissioners Court

By: N/A
Drainage District Engineer/Manager

Clerk of Commissioners Court

By: _____
Deputy

County of Fort Bend
Engineering Department

301 Jackson Street
Richmond, Texas 77469

Phone: (281) 633-7500

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

Permit No. 2016-8824

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

- (1) Complete Application Form:
 - a. Name of road, street, and/or drainage ditch affected.
 - b. Vicinity map showing course of directions
 - c. Plans and specifications
- (2) Bond:
 - District Attorney, approval when applicable.
 - Perpetual bond currently posted.
 - No: _____
 - Amount: _____
 - Performance bond submitted.
 - No: CE12146200006
 - Amount: \$12,500.00
 - Cashier's Check
 - No: _____
 - Amount: _____
- (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.



Assistant County Engineer



Date

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

AUTHORIZED

BOND NO CE12146200006

THE STATE OF TEXAS §

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND §

THAT WE, G&A Boring Direccional whose address is 10414 Peach St, Houston, TX 77093 Texas, hereinafter called the Principal, And Philadelphia Indemnity Insurance Company, a Corporation existing under and by virtue of the laws of the state of Pennsylvania and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at 231 St Asaph's Rd, Ste 100, Bala Cynwyd, PA 19004, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is Gary Timmons and Whose address is 20333 Hwy 249, Ste 278, Houston, TX 77070, 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 Twelve Thousand Five Hundred and no/100 Dollars (\$ 12,500.00) 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.

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 2nd day of August, 2016.

G&A Boring Direccional
PRINCIPAL

BY
Philadelphia Indemnity Insurance Company
SURETY

BY Timothy Kirk, Attorney in Fact

PHILADELPHIA INDEMNITY INSURANCE COMPANY
231 St. Asaph's Rd., Suite 100
Bala Cynwyd, PA 19004-0950

Power of Attorney

KNOW ALL PERSONS BY THESE PRESENTS: That PHILADELPHIA INDEMNITY INSURANCE COMPANY (the Company), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, does hereby constitute and appoint Timothy Kirk of Surety Insurance Services of Texas LP dba American Surety Agency of Cypress, Texas, its true and lawful Attorney-in-fact with full authority to execute on its behalf bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, issued in the course of its business and to bind the Company thereby, in an amount not to exceed \$25,000,000.00.

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of PHILADELPHIA INDEMNITY INSURANCE COMPANY at a meeting duly called the 1st day of July, 2011.

RESOLVED: That the Board of Directors hereby authorizes the President or any Vice President of the Company to: (1) Appoint Attorney(s) in Fact and authorize the Attorney(s) in Fact to execute on behalf of the Company bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and to attach the seal of the Company thereto; and (2) to remove, at any time, any such Attorney-in-Fact and revoke the authority given. And, be it

FURTHER RESOLVED: That the signatures of such officers and the seal of the Company may be affixed to any such Power of Attorney or certificate relating thereto by facsimile, and any such Power of Attorney so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with the respect to any bond or undertaking to which it is attached.

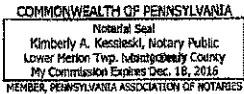
IN TESTIMONY WHEREOF, PHILADELPHIA INDEMNITY INSURANCE COMPANY HAS CAUSED THIS INSTRUMENT TO BE SIGNED AND ITS CORPORATE SEAL TO BE AFFIXED BY ITS AUTHORIZED OFFICE THIS 10TH DAY OF JUNE 2013.



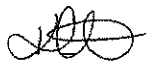
(Seal)

Robert D. O'Leary Jr., President & CEO
Philadelphia Indemnity Insurance Company

On this 10th day of June 2013, before me came the individual who executed the preceding instrument, to me personally known, and being by me duly sworn said that he is the therein described and authorized officer of the PHILADELPHIA INDEMNITY INSURANCE COMPANY; that the seal affixed to said instrument is the Corporate seal of said Company; that the said Corporate Seal and his signature were duly affixed.



(Notary Seal)

Notary Public:  _____
residing at: Bala Cynwyd, PA
My commission expires: December 18, 2016

I, Edward Sayago, Corporate Secretary of PHILADELPHIA INDEMNITY INSURANCE COMPANY, do hereby certify that the foregoing resolution of the Board of Directors and this Power of Attorney issued pursuant thereto on this 10TH day of June 2013 true and correct and are still in full force and effect. I do further certify that Robert D. O'Leary Jr., who executed the Power of Attorney as President, was on the date of execution of the attached Power of Attorney the duly elected President of PHILADELPHIA INDEMNITY INSURANCE COMPANY,

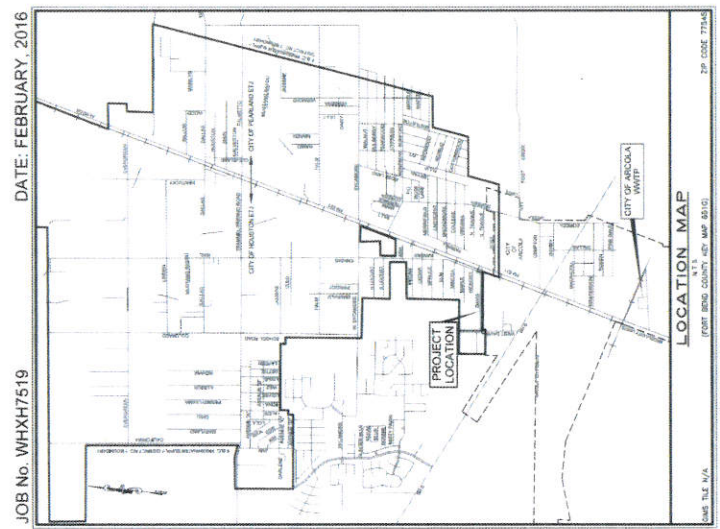
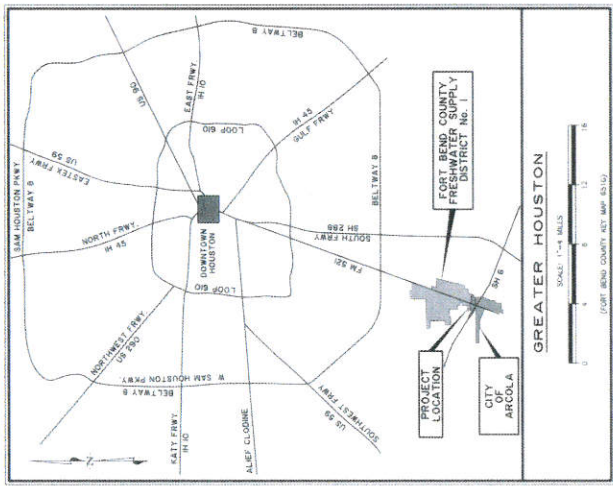
In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this 2nd day of August, 2016



Edward Sayago, Corporate Secretary
PHILADELPHIA INDEMNITY INSURANCE COMPANY

FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1 CONSTRUCTION PLANS FOR DAVIS AND WEST DAVIS ROAD WATERLINE

SHEET INDEX	
1	COVER SHEET
2	GENERAL NOTES
3	SURVEY CONTROL PLAN AND SHEET LAYOUT PLAN
4	DAVIS ROAD (WEST DAVIS ROAD TO STA 83+00)
5	DAVIS ROAD (STA 83+00 TO STA 91+00)
6	DAVIS ROAD (STA 91+00 TO KANSAS STREET)
7	KANSAS STREET (DAVIS ROAD TO STA 14+00)
8	WEST DAVIS ROAD (DAVIS ROAD TO STA 14+00)
9	WATERLINE CONSTRUCTION DETAILS
10	SWPPP DETAILS
11	TRAFFIC CONTROL PLAN



JOB No. WHXH7519 DATE: FEBRUARY, 2016



5995 ROGERDALE ROAD
HOUSTON, TX 77072
TEL: (832) 351-6000
FAX: (832) 351-6000
TBC#E FIRM NUMBER 2996

ILLUM. NO.: 18033263 LOC. NO.: 16-0406

* THESE FOR WATERLINE WORKS
NOT SHOWN ON THIS PROJECT PLAN SET'S WORKS
EXISTING UNDERGROUND SYSTEM



CONTRACTOR SHALL NOTIFY THE CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
OFFICE OF THE ENGINEER AT LEAST 48 HOURS BEFORE STARTING
WORK ON THE PROJECT. TELEPHONE: 832-351-6000

FIRM INSURANCE RATE MAP
MAP #4815703216
MAP ELEVATION
PROJECT IS ENTIRELY LOCATED OUTSIDE 100-YEAR FLOOD FREQUENCY

FORT BEND COUNTY ENGINEER
ENGINEER: *Richard W. Studer, P.E.*
DATE: 5/18/14
THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT
COMMENCED IN ONE (1) YEAR FROM DATE OF APPEAL.
APPROVED: *Richard W. Studer, P.E.*
DEVELOPMENT COORDINATOR
DATE: 5/18/14

SURVEYED BY: <i>David J. ...</i> DATE: 5/18/14 PROJECT: <i>...</i>	
CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING	
CITY ENGINEER CITY DIST. NO.	FOR CITY OF HOUSTON USE ONLY CITY DIST. NO.
DIRECTOR OF PUBLIC WORKS AND ENGINEERING SHEET NO. 1 OF 11	

GENERAL CONSTRUCTION NOTES:

- 1. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES... CONTRACTOR SHALL NOTIFY THE UTILITY OWNERS... CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES...

WATERLINE CONSTRUCTION NOTES CONTINUED:

- 9. WATERLINES UNDER PAVED AREAS SHALL BE INSTALLED AT A MINIMUM OF 18" DEPTH... WATERLINES UNDER PAVED AREAS SHALL BE INSTALLED AT A MINIMUM OF 18" DEPTH...

STORMWATER QUALITY NOTES:

- 1. EPA/TCO CONSTRUCTION GENERAL PERMIT COVERAGE REQUIRED... CONTRACTOR SHALL MAINTAIN BEST MANAGEMENT PRACTICES (BMPs)...

CONTRACTOR SHALL CONTACT FORT BEND COUNTY... FRESHWATER SUPPLY DISTRICT NO. 1... CITY OF HOUSTON... JACOBS ENGINEERING GROUP INC.

Table with columns: REGION, DATE, and other project details. Includes logos for Fort Bend County and Jacobs Engineering Group.

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JACOBS ENGINEERING GROUP INC. logo and address information: 10000 WESTHEIMER BOULEVARD, SUITE 100, HOUSTON, TEXAS 77036.

FRESHWATER SUPPLY DISTRICT NO. 1... DAVIS AND WEST DAVIS ROAD WATERLINE

GENERAL NOTES... CONTRACTOR SHALL PROVIDE 2" MINIMUM CLEARANCE AT STORM SEWER AND WATER LINE CROSSES...

CITY OF HOUSTON logo and project information: PROJECT NO. 19831111, DATE: FEBRUARY 2016.

Table with columns: FILE NO., DRAWING SCALE, PROJECT NAME, and SHEET NO. (2 of 11).

TRAFFIC NOTES: CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART 10 OF THE TEXAS TRANSPORTATION CODE...

STORM SEWER CONSTRUCTION NOTES: STORM SEWER SHALL BE CONSTRUCTED IN SLOTTED PIPE WITH A MINIMUM OF 18" COVER... CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES...

STANDARD PROFILE LEGEND: CENTRELINE OF PARALLEL PROPERTY LINE N/A, PROPERTY LINE N/A, DITCH FLOWLINE N/A, DITCH FLOWLINE S/A W.

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BENCHMARK
THE POSITION OF THE BENCHMARK IS APPROXIMATELY 1 FOOT EAST OF WEST LINE OF DAVIS STREET, MEASUREMENT ON THE PUBLIC UTILITY UNDER APPROXIMATELY 10 FEET EAST OF THE CENTERLINE OF STATE ROUTE 52 AND 11 FEET SOUTH OF THE CENTERLINE OF KANSAS ST.

ESTABLISHED IN 1987 (MADISON)
THE POSITION OF THE BENCHMARK IS APPROXIMATELY 1 FOOT EAST OF WEST LINE OF DAVIS STREET, MEASUREMENT ON THE PUBLIC UTILITY UNDER APPROXIMATELY 10 FEET EAST OF THE CENTERLINE OF STATE ROUTE 52 AND 11 FEET SOUTH OF THE CENTERLINE OF KANSAS ST.

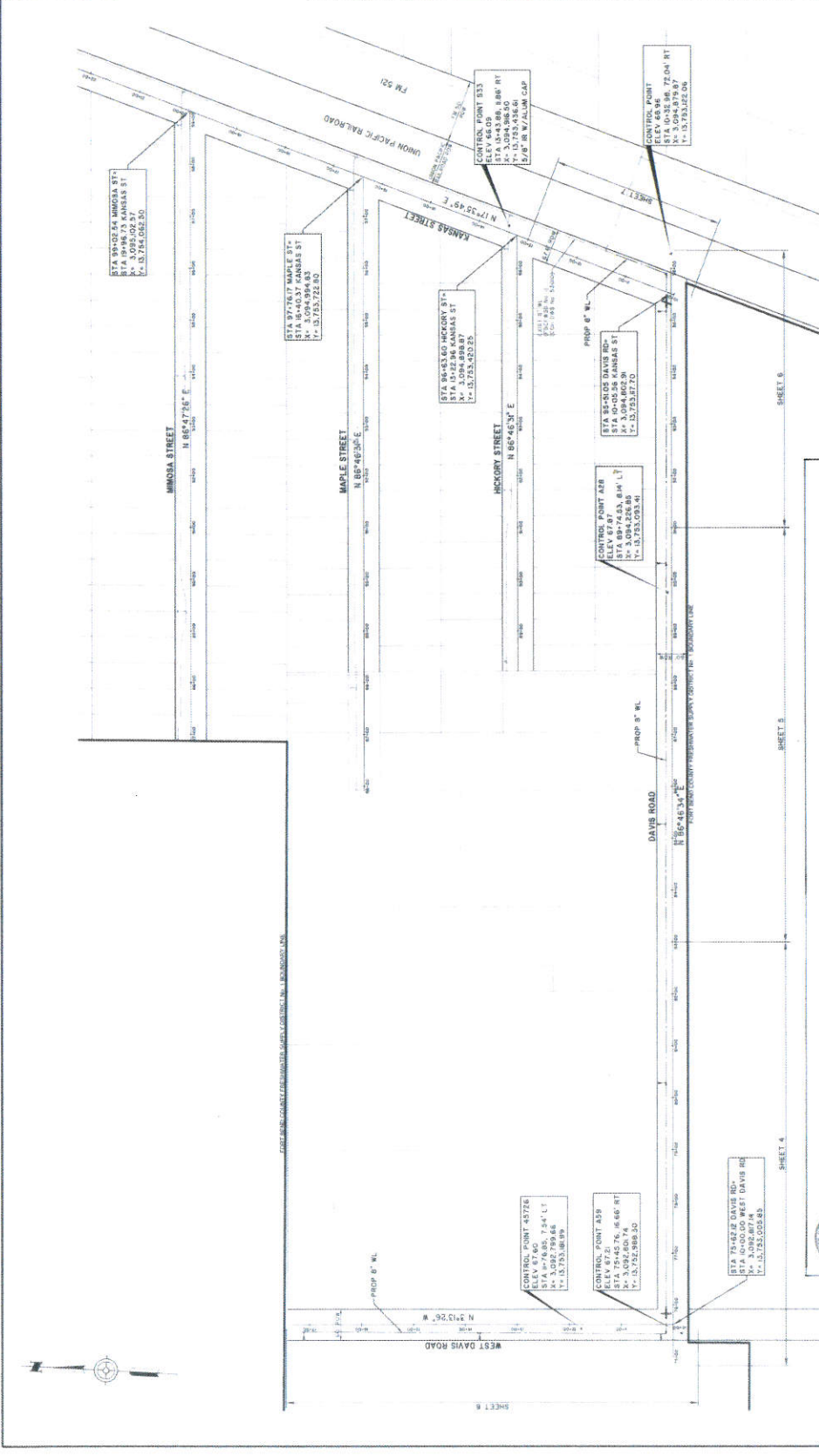


VERIFICATION OF PRIVATE UTILITY LINES
M/M
TO DRAINAGE, COUNCILS, ETC., OWNERS OF UTILITIES ARE ADVISED THAT THE 811 SERVICE IS NOT A GUARANTEE OF THE LOCATION, DEPTH, OR CONTENT OF ANY UTILITY LINES. THE USER OF THE 811 SERVICE IS RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ANY UTILITY LINES BEFORE ANY EXCAVATION OR CONSTRUCTION WORK IS PERFORMED. THE USER OF THE 811 SERVICE IS RESPONSIBLE FOR NOTIFYING THE APPROPRIATE UTILITY OWNERS BEFORE ANY EXCAVATION OR CONSTRUCTION WORK IS PERFORMED.

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JACOBS
DAVIS AND WEST DAVIS ROAD WATERLINE SURVEY CONTROL PLAN AND SHEET LAYOUT PLAN
PROJECT NO. 18184719
DATE: FEBRUARY 2016
APPROVED BY: [Signature]

CITY OF HOUSTON
FOR THE CITY OF HOUSTON USE ONLY
CITY ENGINEER
DRAWING SCALE
HORIZ. 1" = 100'
VERT. 1" = 10'
SHEET 3 OF 11



CONTROL POINT 43724
ELEV. 67.60
N 88°45'31" E
D 3,092.799.65
Y 15,753.0839

CONTROL POINT 43725
ELEV. 67.21
N 88°45'31" E
D 3,092.799.65
Y 15,752.989.30

CONTROL POINT 43726
ELEV. 67.87
N 88°45'31" E
D 3,094.802.38
Y 15,753.093.41

CONTROL POINT 43727
ELEV. 67.87
N 88°45'31" E
D 3,094.802.38
Y 15,753.093.41

CONTROL POINT 43728
ELEV. 67.87
N 88°45'31" E
D 3,094.802.38
Y 15,753.093.41

CONTROL POINT 43729
ELEV. 67.87
N 88°45'31" E
D 3,094.802.38
Y 15,753.093.41

CONTROL POINT 43730
ELEV. 67.87
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Y 15,753.093.41

CONTROL POINT 43731
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CONTROL POINT 43732
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CONTROL POINT 43733
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CONTROL POINT 43734
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Y 15,753.093.41

CONTROL POINT 43739
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N 88°45'31" E
D 3,094.802.38
Y 15,753.093.41

NOTE: Fort Bend County notes supersede any conflicting notes.

The project and all parts thereof shall be subject to inspection from time to time by representatives of Fort Bend County, Texas, or its duly authorized agents, and the contractor shall provide access to all parts of the project and shall maintain the same in a state of readiness for inspection at all times. The contractor shall be responsible for providing the contractor with the necessary information to allow the contractor to comply with all applicable laws, rules, regulations, and specifications of Fort Bend County, Texas, and shall be responsible for providing the contractor with the necessary information to allow the contractor to comply with all applicable laws, rules, regulations, and specifications of Fort Bend County, Texas.

11. Utility lines as indicated on this plan shall be protected by the contractor with the construction of all utility lines within 5' of depth.

12. All excavation within the limits of this plan shall be supported by the contractor with the construction of all utility lines within 5' of depth.

13. All excavation within the limits of this plan shall be supported by the contractor with the construction of all utility lines within 5' of depth.

14. All excavation within the limits of this plan shall be supported by the contractor with the construction of all utility lines within 5' of depth.

15. Street utility upgrade shall be for a 3" high app for 48" depth with minimum grade covering per Texas manual on utility traffic control.

16. All excavation within the limits of this plan shall be supported by the contractor with the construction of all utility lines within 5' of depth.

17. All excavation within the limits of this plan shall be supported by the contractor with the construction of all utility lines within 5' of depth.

18. All excavation within the limits of this plan shall be supported by the contractor with the construction of all utility lines within 5' of depth.

19. All excavation within the limits of this plan shall be supported by the contractor with the construction of all utility lines within 5' of depth.

20. All excavation within the limits of this plan shall be supported by the contractor with the construction of all utility lines within 5' of depth.

BENCHMARK: PROJECT BENCHMARK: SHEET 1 OF 4. THE BENCHMARK IS THE CENTER POINT OF THE EXISTING CONCRETE FOUNDATION OF AN EXISTING BUILDING APPROXIMATELY 10 FEET EAST OF THE CENTERLINE OF DAVIS ROAD. ELEVATION IS 10.15 FEET TO THE CENTERLINE OF DAVIS ROAD.

PERMITS: THE PERMITTING AGENCIES IN THE APPLICABLE JURISDICTION ARE THE CITY OF HOUSTON, TEXAS. THE PERMITTING AGENCIES ARE THE CITY OF HOUSTON, TEXAS. THE PERMITTING AGENCIES ARE THE CITY OF HOUSTON, TEXAS.

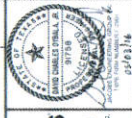
FOR PERMITS INFORMATION: 811 TEXAS 811 (800) 811-2222



VERIFICATION OF PRIVATE UTILITY LINES: TO AVOID COLLISIONS, THE LINED UP OR BENEATH, CALL OR VISIT THE 811 WEBSITE AT 811.TX. 811 TEXAS 811 (800) 811-2222

DATE: 5/1/14

REVISIONS:



JACOBS
 FORT BEND COUNTY
 FRESHWATER SUPPLY DISTRICT No. 1
 DAVIS AND WEST DAVIS ROAD
 WATERLINE

DESIGNED: OWM
 DRAWN: JMM
 CHECKED: JMM
 DATE: FEBRUARY 2009

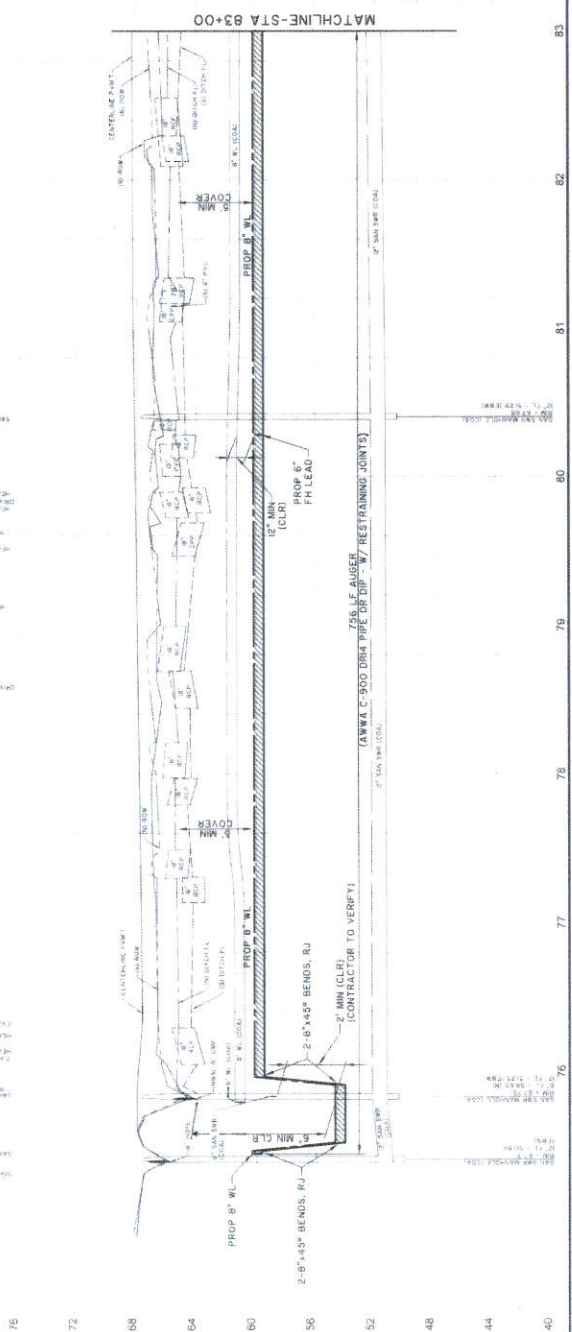
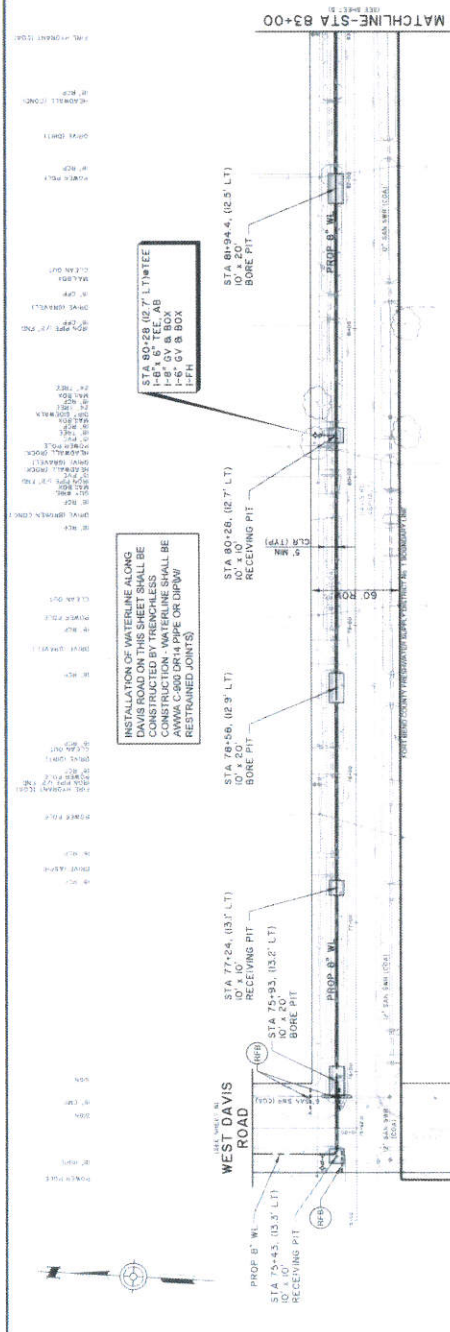
CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

PROJECT INFORMATION:
 PROJECT NO.: 070214
 PROJECT LOCATION:
 CITY OF HOUSTON, TEXAS
 CITY DWS NO.

FILE NO.:
 DRAWING SCALE:
 SHEET: 11 of 40
 SHEET: 4 of 11



- LEGEND:**
- REFINISHED ALUMINUM FABRIC BARRIER
 - SEE STORMWATER POLLUTION PREVENTION DETAILS SHEET 0414
- NOTES:**
- CONTRACTOR SHALL LOCATE EXISTING CITY OF HOUSTON FIRE HYDRANTS TO BE INSTALLED 3' OFF FROM LINE, UNLESS OTHERWISE NOTED.
 - MULTIPLATED SERVICE LINES ARE PRESENT ACROSS DAVIS & WEST DAVIS ROADS. CONTRACTOR SHALL MAKE SURE ALL EXISTING UTILITIES ARE PROTECTED AND NOT DAMAGED DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES AND SHALL COMPLY WITH ALL APPLICABLE REGULATIONS AND ORDINANCES.
 - CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES AND SHALL COMPLY WITH ALL APPLICABLE REGULATIONS AND ORDINANCES.
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BENCHMARK
 PROJECT BENCHMARK
 THE BENCHMARK SHALL BE THE POINT OF INTERSECTION OF THE CENTERLINE OF THE PROPOSED WATERLINE AND THE CENTERLINE OF THE EXISTING DAVIS ROAD. THE BENCHMARK SHALL BE A 6" DIA. IRON PIPE DRIVEN TO A MINIMUM DEPTH OF 4 FEET BELOW THE FINISHED GRADE. THE BENCHMARK SHALL BE SET IN THE CENTERLINE OF THE PROPOSED WATERLINE AND SHALL BE PROTECTED BY A CONCRETE CURB AND GUTTER. THE BENCHMARK SHALL BE SET IN THE CENTERLINE OF THE PROPOSED WATERLINE AND SHALL BE PROTECTED BY A CONCRETE CURB AND GUTTER. THE BENCHMARK SHALL BE SET IN THE CENTERLINE OF THE PROPOSED WATERLINE AND SHALL BE PROTECTED BY A CONCRETE CURB AND GUTTER.

FEMA MAP INFORMATION
 FLOOD ZONE: X-1 (100 YEAR FLOOD)
 FLOOD ELEVATION: 10.00 FT
 FLOOD RISK: MODERATE
 FLOOD DAMAGE RATIO: 0.25
 FLOOD PROTECTION: NONE

FOR BUREAU OF PUBLIC INFORMATION
 THIS DRAWING IS THE PROPERTY OF THE CITY OF HOUSTON. IT IS TO BE USED ONLY FOR THE PURPOSES INTENDED. NO PART OF THIS DRAWING IS TO 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 CITY OF HOUSTON.

VERIFICATION OF PRIVATE UTILITY LINES
 THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING PRIVATE UTILITY LINES (WATER, GAS, ELECTRIC, TELEPHONE, CABLE, ETC.) PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RECORDS FROM THE APPROPRIATE UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING ALL EXISTING UTILITY LINES AND SHALL BE RESPONSIBLE FOR AVOIDING THEM DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE APPROPRIATE UTILITIES OF ANY DAMAGE TO THEIR LINES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING UTILITY LINES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RECORDS FROM THE APPROPRIATE UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING ALL EXISTING UTILITY LINES AND SHALL BE RESPONSIBLE FOR AVOIDING THEM DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE APPROPRIATE UTILITIES OF ANY DAMAGE TO THEIR LINES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING UTILITY LINES DURING CONSTRUCTION.

JACOBS
 4301 WEST 19TH STREET, SUITE 1000
 HOUSTON, TEXAS 77058-2499
 TEL: 281.416.1000 FAX: 281.416.1001
 WWW.JACOBS.COM

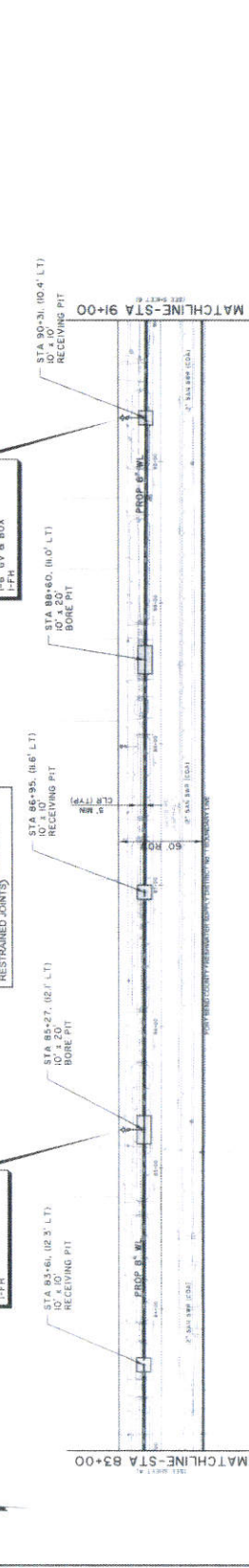
REVISIONS

NO.	DATE	DESCRIPTION
1	01/19/14	ISSUED FOR PERMIT

FRESHWATER SUPPLY DISTRICT No. 1
 DAVIS AND WEST DAVIS ROAD
 WATERLINE
 STA 83+00 TO STA 91+00

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1001 RICE AVENUE, SUITE 1000
 HOUSTON, TEXAS 77001
 TEL: 713.858.2000 FAX: 713.858.2001
 WWW.CITYOFHOUSTON.TX

FILE NO. 150114
PROJECT NO. 150114
DATE FEBRUARY 2014
SCALE 1" = 40'
VERT. SCALE 1" = 4'
SHEET NO. 5 OF 11



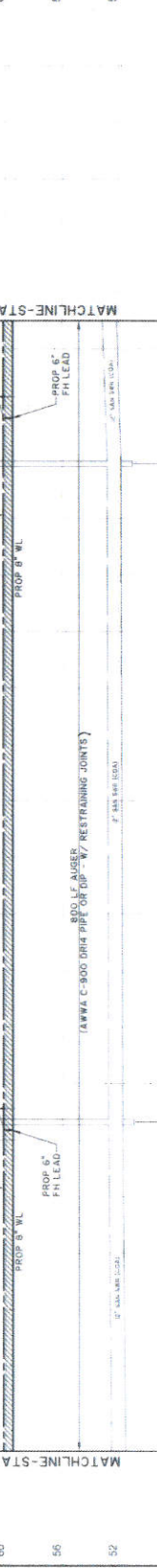
NOTES

- CONTRACTOR SHALL LOCATE EXISTING CITY OF HOUSTON WATER MAINS TO BE AVOIDED BY THE PROPOSED WATERLINE.
- WATER MAINS SHALL BE MARKED AND PROTECTED AS PER THE CITY OF HOUSTON STANDARD SPECIFICATIONS FOR WATER MAINS.
- WEST DAVIS ROAD CONTRACTOR SHALL MARK EXISTING UTILITY LINES AND SHALL BE RESPONSIBLE FOR AVOIDING THEM DURING CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE APPROPRIATE UTILITIES OF ANY DAMAGE TO THEIR LINES DURING CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING UTILITY LINES DURING CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE ACCESS TO ALL UTILITIES OUTSIDE OF EXISTING ROAD RIGHT-OF-WAY.
- ALL UTILITIES SHALL BE MARKED AND PROTECTED AS PER THE CITY OF HOUSTON STANDARD SPECIFICATIONS FOR WATER MAINS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RECORDS FROM THE APPROPRIATE UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING ALL EXISTING UTILITY LINES AND SHALL BE RESPONSIBLE FOR AVOIDING THEM DURING CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE APPROPRIATE UTILITIES OF ANY DAMAGE TO THEIR LINES DURING CONSTRUCTION.
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FOR CITY OF HOUSTON USE ONLY

FILE NO. 150114
PROJECT NO. 150114
DATE FEBRUARY 2014
SCALE 1" = 40'
VERT. SCALE 1" = 4'
SHEET NO. 5 OF 11

JACOBS
 4301 WEST 19TH STREET, SUITE 1000
 HOUSTON, TEXAS 77058-2499
 TEL: 281.416.1000 FAX: 281.416.1001
 WWW.JACOBS.COM

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1001 RICE AVENUE, SUITE 1000
 HOUSTON, TEXAS 77001
 TEL: 713.858.2000 FAX: 713.858.2001
 WWW.CITYOFHOUSTON.TX

BENCHMARK:
 PROJECT BENCHMARK: 11/15/11
 DRAWING NO: 55986
 SHEET NO: 7 of 11



VERIFICATION OF PRIVATE UTILITY LINES
 TO AVOID DAMAGE TO PRIVATE UTILITY LINES, THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING PRIVATE UTILITY LINES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMISSIONS FROM THE OWNERS OF THE UTILITIES TO BE LOCATED. THE CONTRACTOR SHALL MAINTAIN RECORDS OF ALL UTILITY LOCATIONS AND DEPTHS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO PRIVATE UTILITY LINES CAUSED BY CONSTRUCTION ACTIVITIES.

JACOBS
 1000 WEST 17TH STREET
 SUITE 1000
 HOUSTON, TEXAS 77055-1179
 TEL: 713.865.7000
 FAX: 713.865.7001
 WWW.JACOBS.COM

FORT BEND COUNTY
 FRESHWATER SUPPLY DISTRICT No. 1
 DAVIS AND WEST DAVIS ROAD
 WATERLINE

KANSAS STREET
 DAVIS ROAD TO STA. 14+00

DESIGNED: DMM
 DRAWN: JMM
 CHECKED: JMM
 APPROVED: JMM
 DATE: FEBRUARY 2016

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1000 WEST 17TH STREET
 SUITE 1000
 HOUSTON, TEXAS 77055-1179
 TEL: 713.865.7000
 FAX: 713.865.7001
 WWW.CITYOFHOUSTON.COM

FILE NO:
 DRAWING SCALE:
 HORIZ: 1" = 40'
 VERT: 1" = 4'
 SHEET 7 of 11

LEGEND:
 (R) REINFORCED PLASTER FABRIC BARRELS

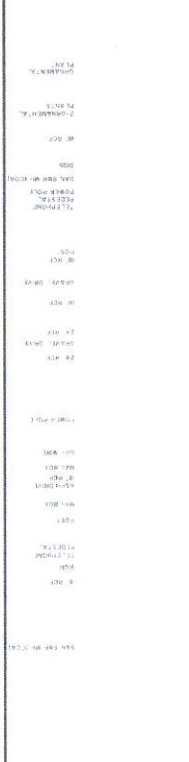
NOTE:
 1. CONTRACTOR SHALL LOCATE EXISTING CITY OF HOUSTON WATER MAINS TO BE RELOCATED TO THE PROPOSED WATERLINE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMISSIONS FROM THE CITY OF HOUSTON TO RELOCATE EXISTING WATER MAINS. THE CONTRACTOR SHALL MAINTAIN RECORDS OF ALL EXISTING WATER MAINS LOCATIONS AND DEPTHS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING WATER MAINS CAUSED BY CONSTRUCTION ACTIVITIES.

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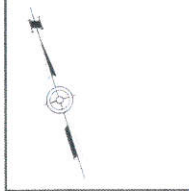
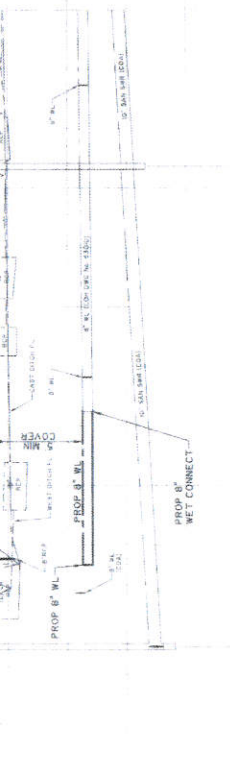
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AT CONNECTION TO EXISTING WATERLINE CONTRACTOR SHALL NOT OPEN EXISTING GATE VALVE AND PLACE PROPOSED WATERLINE INTO SERVICE UNTIL SUCCESSFULLY DISINFECTING AND HYDRO-TESTING PROPOSED WATERLINES.

STA. 14+30 (32.6' RT) FROM EXISTING 8" WL LOCATE 8" WL. REMOVE 8" WL. OFF VALVE & BOX.



BENCHMARK:
 PROJECT BENCHMARK: APPROXIMATELY 1/2 MILE EAST OF WEST END OF SADDLE CREEK NATIONAL SPAN IN PIPE CULVERT UNDER APPROXIMATELY 1/2 MILE EAST OF THE CENTERLINE OF STATE HIGHWAY 175 EAST SIDE OF THE CENTERLINE OF DALLAS
 ELEVATION: 175.00 ± (BENCH)
 DATE: 02/15/16
 DRAWN BY: J. H. BROWN
 CHECKED BY: J. H. BROWN
 DATE: 02/15/16
 SCALE: AS SHOWN
 SHEET NO. 8 OF 11

811
 FOR IMMEDIATE INFORMATION
 CALL 811
 BEFORE YOU DIG!
 THE TEXAS 811 CENTER
 1100 WEST 17TH STREET, SUITE 200
 DALLAS, TEXAS 75202
 WWW.811.TX.GOV

VERIFICATION OF PRIVATE UTILITY LINES
 TO AVOID COLLISIONS TO BE AVOIDED (CALLED BY THE CONTRACTOR) TO BE AVOIDED (CALLED BY THE CONTRACTOR) TO BE AVOIDED (CALLED BY THE CONTRACTOR)
 DATE: 2/15/16
 BY: J. H. BROWN

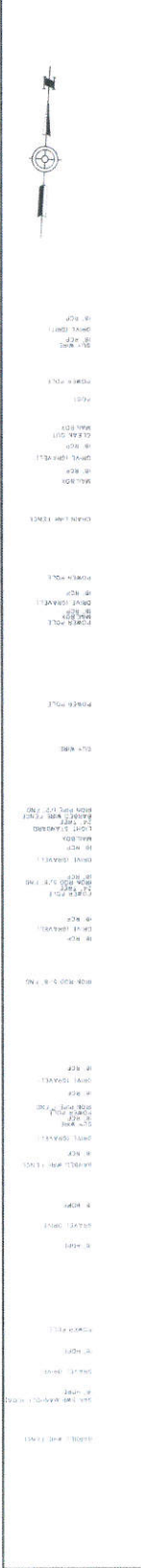
JACOBS
 JACOBS ENGINEERING GROUP, INC.
 10000 WEST 17TH STREET, SUITE 200
 DALLAS, TEXAS 75202
 PHONE: 972.382.7000
 FAX: 972.382.7001
 WWW.JACOBS.COM

FRESHWATER SUPPLY DISTRICT No. 1
DAVIS AND WEST DAVIS ROAD WATERLINE
 WEST DAVIS ROAD
 DAVIS ROAD TO STA 17+41

DESIGNED: JMB
 APPROVED: JMB
 DATE: FEBRUARY 2016

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
 1100 WEST 17TH STREET, SUITE 200
 DALLAS, TEXAS 75202

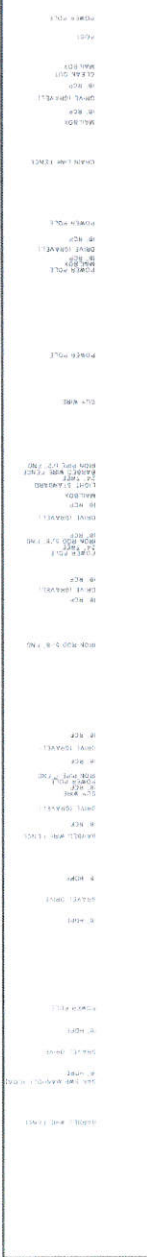
55986
 SHEET NO. 8 OF 11



LEGEND:
 (R) REINFORCED CONCRETE PIPING
 SEE STORMWATER POLLUTION PREVENTION DETAILS SHEET 5 OF 5

NOTES:
 1. CONTRACTOR SHALL LOCATE EXISTING CITY OF HOUSTON WATER MAINS AND ALL OTHER UTILITIES PRIOR TO CONSTRUCTION.
 2. ALL NEW WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF HOUSTON WATER MAIN SPECIFICATIONS.
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 4. ALL NEW WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF HOUSTON WATER MAIN SPECIFICATIONS.

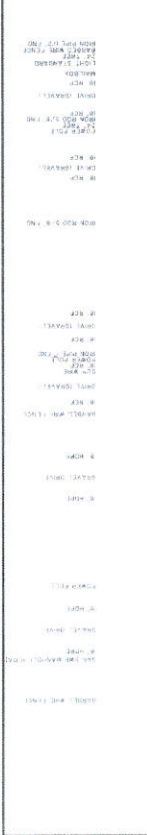
CONSTRUCTION SPECIFICATIONS FOR WATERLINE:
 1. ALL WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF HOUSTON WATER MAIN SPECIFICATIONS.
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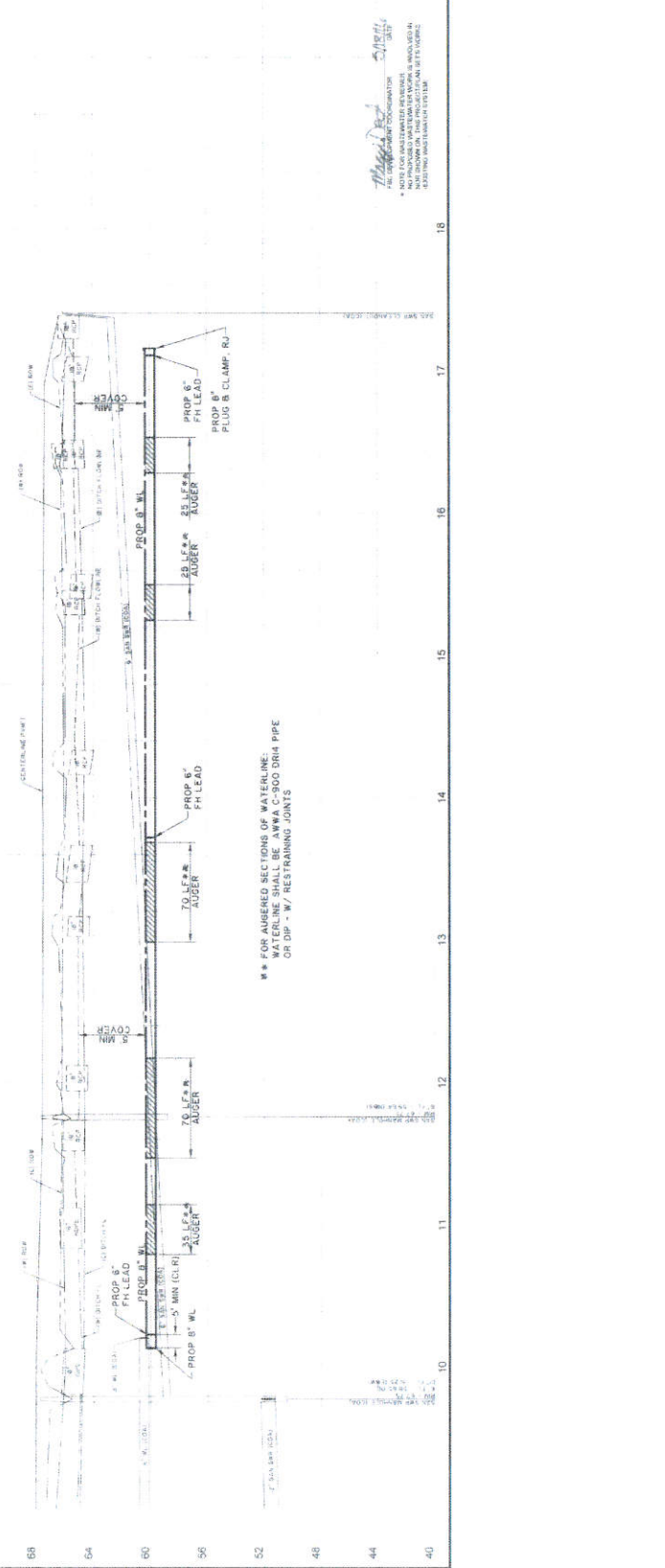
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FOR OFFICIAL USE ONLY - PROFESSIONAL ENGINEER'S SEAL AND LICENSE NUMBER ARE REQUIRED FOR ALL CITY OF HOUSTON PROJECTS. THE CITY ENGINEER'S OFFICE WILL NOT ACCEPT ANY WORK FOR WHICH AN ENGINEER'S SEAL AND LICENSE NUMBER ARE NOT SHOWN. THE CITY ENGINEER'S OFFICE WILL NOT ACCEPT ANY WORK FOR WHICH AN ENGINEER'S SEAL AND LICENSE NUMBER ARE NOT SHOWN. THE CITY ENGINEER'S OFFICE WILL NOT ACCEPT ANY WORK FOR WHICH AN ENGINEER'S SEAL AND LICENSE NUMBER ARE NOT SHOWN.

TO: HONORABLE LUCILLE N. B. LINDSEY, CITY ENGINEER, CITY OF HOUSTON, 1001 WEST 19TH STREET, HOUSTON, TEXAS 77058-1227

FROM: JACOBS ENGINEERING GROUP, INC., 1001 WEST 19TH STREET, HOUSTON, TEXAS 77058-1227

NOTICE: THE CITY ENGINEER'S OFFICE WILL NOT ACCEPT ANY WORK FOR WHICH AN ENGINEER'S SEAL AND LICENSE NUMBER ARE NOT SHOWN. THE CITY ENGINEER'S OFFICE WILL NOT ACCEPT ANY WORK FOR WHICH AN ENGINEER'S SEAL AND LICENSE NUMBER ARE NOT SHOWN. THE CITY ENGINEER'S OFFICE WILL NOT ACCEPT ANY WORK FOR WHICH AN ENGINEER'S SEAL AND LICENSE NUMBER ARE NOT SHOWN.

VERIFICATION OF PRIVATE UTILITY LINES

X/M

DATE: 02/21/14

PROJECT: FRESHWATER SUPPLY DISTRICT NO. 1 WATERLINE

CONTRACT NO. 2012-001-0000000000

PROJECT NO. 2012-001-0000000000

DATE: 02/21/14

NA

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PROJECT: FRESHWATER SUPPLY DISTRICT NO. 1 WATERLINE

CONTRACT NO. 2012-001-0000000000

PROJECT NO. 2012-001-0000000000

DATE: 02/21/14

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PROJECT: FRESHWATER SUPPLY DISTRICT NO. 1 WATERLINE

CONTRACT NO. 2012-001-0000000000

PROJECT NO. 2012-001-0000000000

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DATE: 02/21/14

JACOBS

1001 WEST 19TH STREET, HOUSTON, TEXAS 77058-1227

1001 WEST 19TH STREET, HOUSTON, TEXAS 77058-1227

1001 WEST 19TH STREET, HOUSTON, TEXAS 77058-1227

FORT BEND COUNTY

FRESHWATER SUPPLY DISTRICT NO. 1

DAVIS AND WEST DAVIS ROAD

WATERLINE

WATERLINE

CONSTRUCTION DETAILS

DESIGNED BY: JACOBS

APPROVED BY: JACOBS

DATE: FEBRUARY 2014

PROJECT: FRESHWATER SUPPLY DISTRICT NO. 1 WATERLINE

CONTRACT NO. 2012-001-0000000000

PROJECT NO. 2012-001-0000000000

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

1001 WEST 19TH STREET, HOUSTON, TEXAS 77058-1227

FILE NO. 2012-001-0000000000

CITY DRAWING NO. 95986

DESIGNED BY: JACOBS

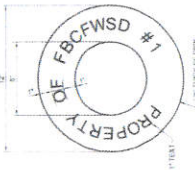
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DATE: FEBRUARY 2014

PROJECT: FRESHWATER SUPPLY DISTRICT NO. 1 WATERLINE

CONTRACT NO. 2012-001-0000000000

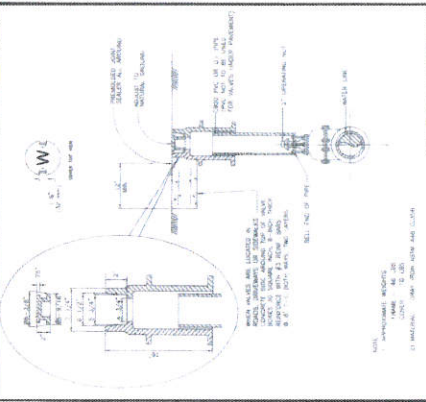
PROJECT NO. 2012-001-0000000000



FIRE HYDRANT

STAINLESS STEEL DISK

THIS DISK IS TO BE INSTALLED ON ALL FIRE HYDRANTS. THE DISK IS TO BE MADE OF STAINLESS STEEL AND SHALL BE 1/2" THICK. THE DISK IS TO BE MARKED WITH THE WORDS 'PROPERTY OF FBCWSD' AROUND THE PERIPHERY. THE DISK IS TO BE MARKED WITH THE WORDS 'PROPERTY OF FBCWSD' AROUND THE PERIPHERY. THE DISK IS TO BE MARKED WITH THE WORDS 'PROPERTY OF FBCWSD' AROUND THE PERIPHERY.



CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

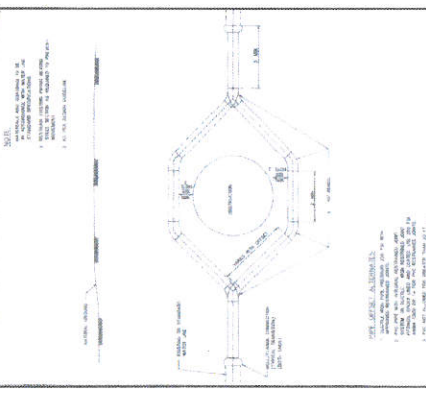
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CITY OF HOUSTON

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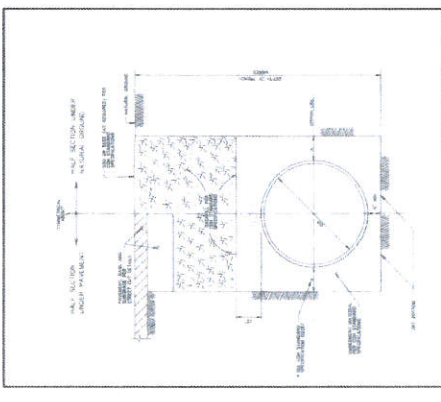
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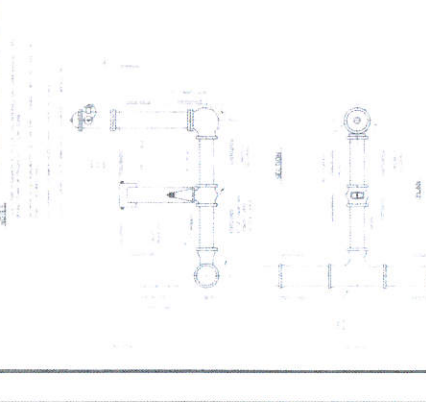
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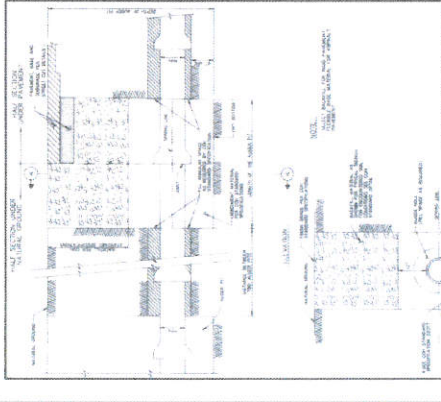
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CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

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DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

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DATE: FEBRUARY 2014

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PROJECT NO. 2012-001-0000000000

NOTE

1. WHEN STABILIZED CONSTRUCTION ACCESSWAYS CROSS DITCH AREAS, CONTRACTOR SHALL MAINTAIN A MINIMUM CLEARANCE EQUAL TO OR GREATER THAN THE ADJACENT DOWNSTREAM CULVERT.



FOR UTILITY INFORMATION
CALL 811
OR VISIT WWW.811.TX.GOV

TO INQUIRE OR OBTAIN A COPY OF THESE PLANS, CONTACT THE CITY ENGINEER, CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING, 1100 WEST 17TH STREET, HOUSTON, TEXAS 77019-2222. FAX: (713) 251-2222.

VERIFICATION OF PRIVATE UTILITY LINES
M#1
M#2
M#3

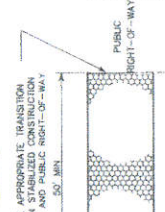
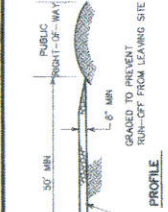
JACOBS
10000 WESTHOUSTON ROAD
HOUSTON, TEXAS 77066-0001
PHONE: (281) 416-7000
FAX: (281) 416-7001
WWW.JACOBS.COM

FORT BEND COUNTY
FRESHWATER SUPPLY DISTRICT NO. 1
DAVIS AND WEST DAVIS ROAD
WATERLINE

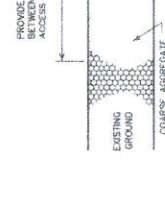
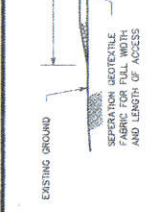
SWPPP DETAILS
DESIGNED BY: [Signature]
APPROVED BY: [Signature]
DATE: FEBRUARY 2016

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
STORM WATER POLLUTION PREVENTION PLAN DETAILS
(NOT TO SCALE)

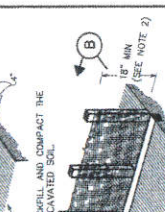
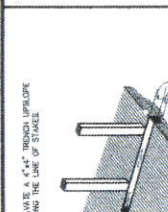
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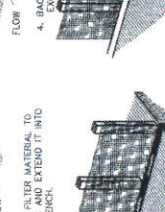
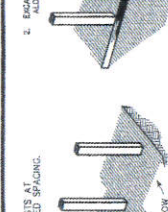
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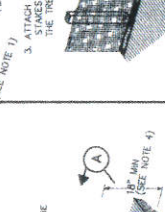
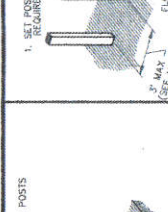
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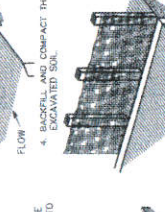
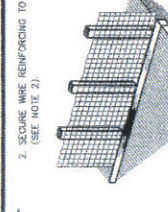
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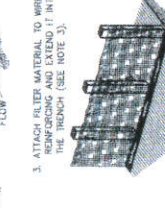
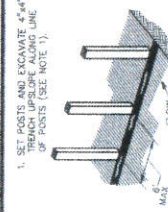
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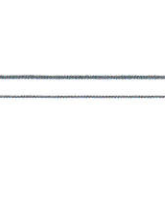
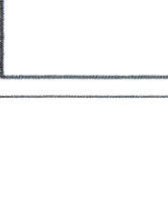
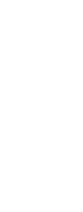
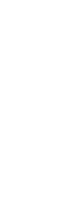
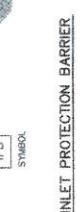
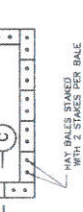
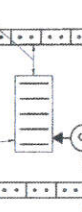
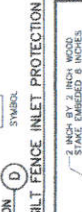
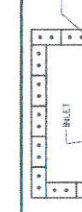
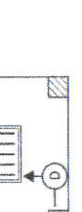
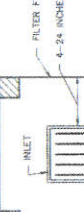
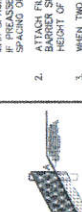
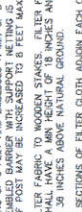
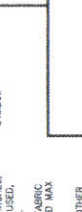
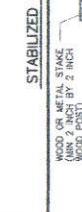
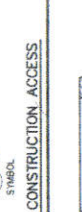
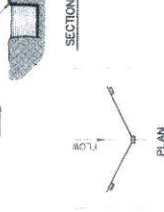
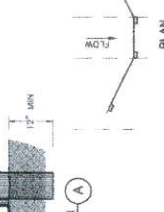
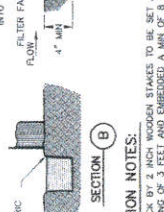
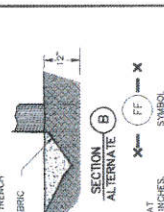
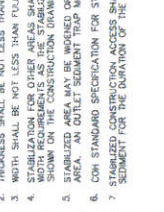
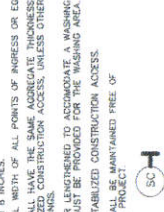
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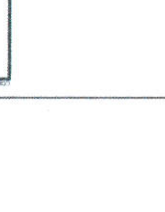
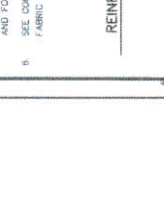
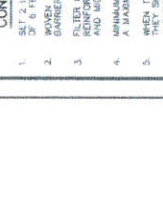
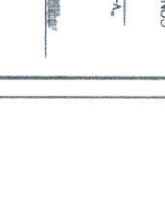
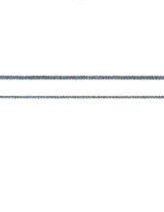
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5. STABILIZED AREA MAY BE MOVED OR LENGTHENED TO ACCOMMODATE A WASHING AREA. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE WASHING AREA.
6. DOWN STANDARD SPECIFICATION FOR STABILIZED CONSTRUCTION ACCESS.
7. STABILIZED CONSTRUCTION ACCESS SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.



CONSTRUCTION NOTES:
1. LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 30 FEET.
2. THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
3. WIDTH SHALL BE NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
4. STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME APPROXIMATE THICKNESS AND WIDTH SHOWN ON THE CONSTRUCTION DRAWINGS, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
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- GENERAL NOTES:**
1. THE CONSTRUCTION TRAFFIC CONTROL SIGNS, DEVICES AND BARRICADES ON THESE DRAWINGS ARE TO BE USED UNDER THE BEST OF CIRCUMSTANCES ON OTHER CONDITIONS THAT MAY ARISE DUE TO UNPREDICTED FIELD CONDITIONS. THE CONTRACTOR SHALL MAINTAIN ADEQUATE ADDITIONAL SIGNS, BARRICADES AND WARNING DEVICES TO MAINTAIN THE SAFETY AND PROTECT THE MOVEMENT OF TRAFFIC AND THE CONSTRUCTION ZONE SAFETY.
 2. CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART V OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUCD) MOST RECENT EDITION WITH REVISIONS, DURING CONSTRUCTION.
 3. CONTRACTOR SHALL PROVIDE ACCESS TO ALL PROPERTIES ALONG THIS PROJECT AT ALL TIMES. CONSTRUCTION PROGRAMS SHOULD BE COORDINATED WITH THE PROPERTY OWNERS.
 4. PLACE SIGNS AT THE BEGINNING AND END OF THE CONSTRUCTION ZONE AND AT THE END OF EACH PLACEMENT DURING THE ENTIRE PERIOD OF CONSTRUCTION AND RECONSTRUCTION.
 5. THE ENGINEER HAS CHECKED THE CONSTRUCTION TO EXISTING ANTI-COLLISION BARRICADES AND CHANNELING DEVICES AS REQUIRED TO MAINTAIN TRAFFIC AND CONSTRUCTION ZONE SAFETY. THE CONTRACTOR SHALL MAINTAIN ANY SUCH ADDITIONAL SIGNS, BARRICADES, ETC. SHALL BE CONSIDERED PART OF THE CONSTRUCTION ZONE SAFETY.
 6. CONSTRUCTION SIGNS, DEVICES AND BARRICADES, SUCH AS CHANNELING DEVICES, WARNING LIGHTS AND TRAFFIC HANDLING DEVICES ARE MAINTAINED IN A CLEAN FUNCTIONAL CONDITION AT ALL TIMES.
 7. ALL SIGNS, WARNING DEVICES AND BARRICADES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR INCLUDING ACTS OF VANDALISM OR ACCIDENT.
 8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE TEMPORARY AND EXISTING PAVEMENT MARKINGS IN A GOOD VISIBLE CONDITION THROUGHOUT THE LENGTH OF THE PROJECT.
 9. IF THE CONTRACTOR CHANGES TO USE A DIFFERENT METHOD OF TRAFFIC CONTROL, PLANS SHALL BE REVISED TO REFLECT THE CHANGES. THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT AN ALTERNATE SET OF PLANS TO THE REVIEW SECTION FOR APPROVAL TEN WORKING DAYS PRIOR TO IMPLEMENTATION.
 10. THESE PLANS SHALL BE DRAWN TO SCALE ON REPRODUCIBLE MYLAR AND SEALED BY A CONTRACTOR REPRESENTATIVE. THE STATE OF TEXAS APPROVED PLANS WILL BECOME A PART OF THE CONTRACT DRAWINGS.
 11. CONTRACTOR SHALL MAINTAIN TRAFFIC (TYPE B) ACCORDING TO TRAFFIC CONTROL PLANS) DURING WORKING HOURS.
 12. CONCRETE TRAFFIC BARRIERS OR LOW PROFILE CONCRETE TRAFFIC BARRIERS (LCPH) WITH REFLECTORS @ 10" C.C. IF PAVEMENT DROP IS MORE THAN TWO (2) INCHES (1:1).
 13. UNLESS OTHERWISE STATED IN THE PLANS, FLAGS ATTACHED TO SIGNS ARE REQUIRED.
 14. ALL TRAFFIC CONTROL DEVICES ILLUSTRATED ARE REQUIRED EXCEPT THOSE EXCEPTED WITH THE TRAFFIC SYMBOLS MAY BE OMITTED WHEN STATED ELSEWHERE IN THE PLANS.
 15. TYPE B BARRICADES ARE REQUIRED ON BOTH SIDES OF WORK AREA AT ALL TIMES WHERE STOPPING.
 16. STOPPED MATERIAL SHOULD BE PLACED A MINIMUM 50' FROM NEAREST TRAVELED WAY.
 17. ON HIGH SPEED FACILITIES ADVANCE WARNING SIGNS SHOULD BE INSTALLED APPROXIMATELY 3X THE LENGTH OF THE WORK ZONE. ADVANCE WARNING SIGNS SHOULD BE PLACED ON FACILITIES THAT HAVE A LENGTH OF 1/4 MILE OR MORE.



VERIFICATION OF PRIVATE UTILITY LINES

TO: [Name] [Address] [City, State, Zip]

FROM: [Name] [Address] [City, State, Zip]

DATE: [Date]

REVISIONS: [List]

JACOBS

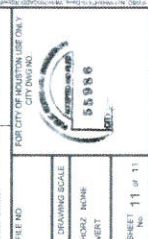
1400 WEST 17TH STREET, SUITE 1000
HOUSTON, TEXAS 77019-3111
TEL: 713-865-7000
WWW.JACOBS.COM

FORT BEND COUNTY
FRESHWATER SUPPLY DISTRICT No. 1
DAVIS AND WEST DAVIS ROAD
WATERLINE

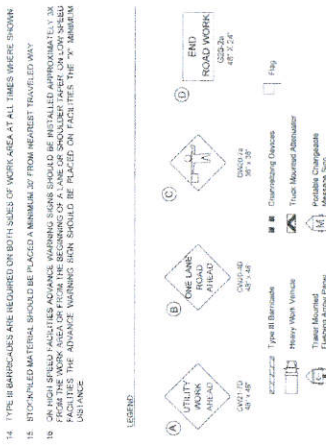
TRAFFIC CONTROL PLAN

DESIGNED BY: [Name] DATE: [Date]
DRAWN BY: [Name] DATE: [Date]

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
PROJECT INFORMATION:
PROJECT NO.: [Number]
SHEET NO.: 11 of 11



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21. STOPPED MATERIAL SHOULD BE PLACED A MINIMUM 50' FROM NEAREST TRAVELED WAY.
22. ON HIGH SPEED FACILITIES ADVANCE WARNING SIGNS SHOULD BE INSTALLED APPROXIMATELY 3X THE LENGTH OF THE WORK ZONE. ADVANCE WARNING SIGNS SHOULD BE PLACED ON FACILITIES THAT HAVE A LENGTH OF 1/4 MILE OR MORE.



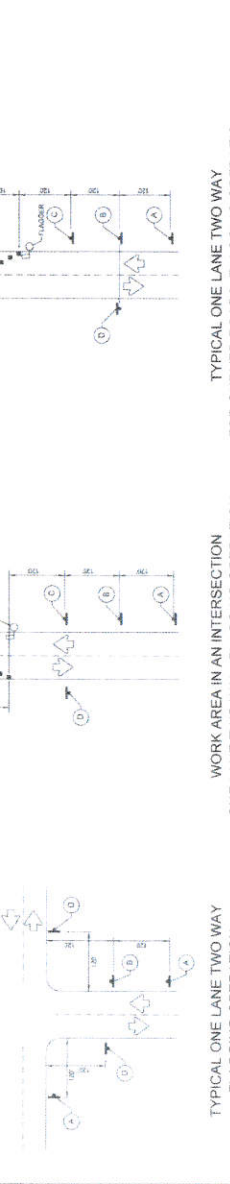
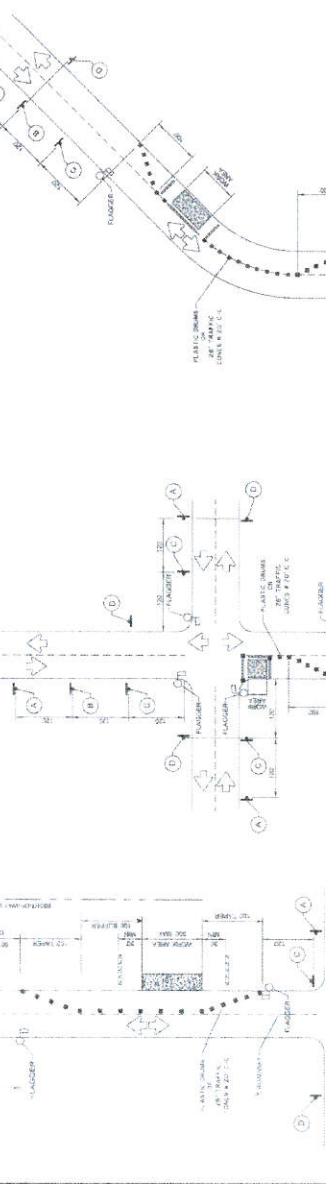
Sign No.	Sign Name	Sign Size	Sign Color	Sign Material	Sign Quantity
30	Utility Work Ahead	36" x 48"	White	Plastic	120
35	One Lane Road Ahead	36" x 48"	White	Plastic	180
40	End Road Work	36" x 48"	White	Plastic	240
45	Channeling Device	48" x 60"	White	Plastic	300
50	Heavy Work Vehicle	36" x 48"	White	Plastic	400
55	Triangular Message Sign	36" x 48"	White	Plastic	500
60	Flashing Arrow Panel	36" x 48"	White	Plastic	600
65	Flag	36" x 48"	White	Plastic	700
70	Right Turn	36" x 48"	White	Plastic	800

APPROVED FOR THE CITY OF HOUSTON:

[Signature]

DATE: [Date]

FOR CITY OF HOUSTON USE ONLY



FOR CITY OF HOUSTON USE ONLY

DATE: [Date]

FOR CITY OF HOUSTON USE ONLY