

**REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT**

On this 1st day of March, 2016, Commissioners Court came on to be heard and reviewed the accompanying notice of Reddico Construction  
 Job Location FM 521 and E Houston, Fresno, TX 77545  
 Date 2/22/2016 Bond No. 70127166, Permit No. 2016-5559 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 Meyers, seconded by Commissioner Patterson, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

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. Duf  
 for County Engineer

Presented to Commissioners Court and approved.  
 Recorded in Volume 3-01-16 11 N  
 Minutes of Commissioners Court

By: Mark Vogler  
 Drainage District Engineer/Manager

Clerk of Commissioners Court  
 By: Andrea Walker  
 Deputy



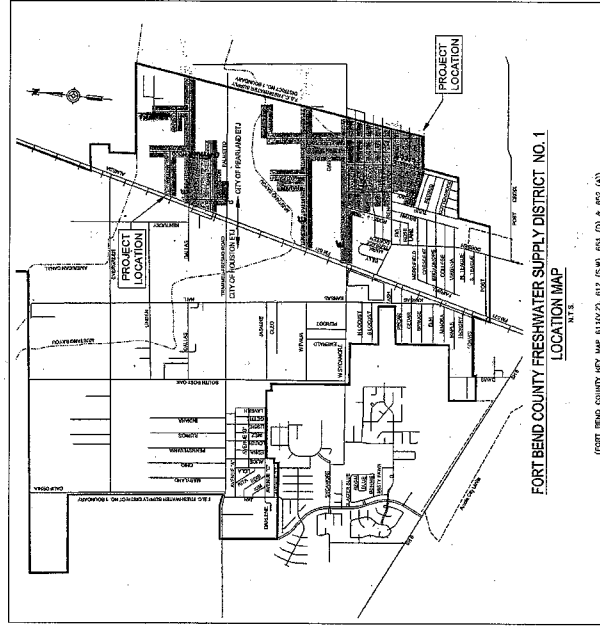
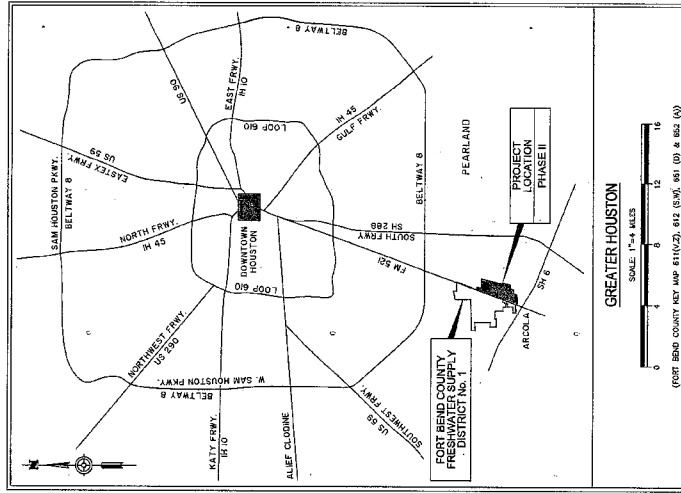
# FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1 PHASE II - WATERLINE IMPROVEMENTS

(JOB NO. WXHX1514)

NOVEMBER, 2014



MAYOR ..... TOM REID  
COUNCIL  
Position 1 ..... Tony Carbone  
Position 2 ..... Scott Sherman  
Position 3 ..... Gary Moore  
Position 4, Mayor Pro Tem ..... Keith Ordineaux  
Position 5 ..... Greg Hill  
CITY MANAGER ..... Clay Pearson  
UTILITY CITY MANAGER ..... Jon Branson  
ASSISTANT CITY MANAGER ..... Jeff Branson  
Public Works Director ..... Richard Monahan, P.E. CEM  
Director of Public Works ..... Eric Wilson



(FORT BEND COUNTY KEY MAP #11(02), #12 (SW), #51 (D) & #52 (W))  
BROWWAY LINE DIVIDING CITY OF HOUSTON, ETC. AND CITY OF PEARLAND, ETC. IS CENTERLINE OF FM 521 RIGHT-OF-WAY.  
CITY OF HOUSTON, ETC. AND CITY OF PEARLAND, ETC. IS TO THE WEST AND EAST OF FM 521 CENTERLINE, RESPECTIVELY.



SUBMITTED BY: *[Signature]* DATE: 03/15/15  
APPROVED BY: *[Signature]* DATE: 3/15/15  
City of Pearland Engineering Department

**JACOBS**  
5995 ROOSEVELD ROAD  
HOUSTON, TX 77072  
PHONE: 832.351.6000  
TEXAS FIRM NO. F-2986

## DRAWING INDEX

SHEET NO.	SHEET TITLE	SHEET NO.	SHEET TITLE
1	G2001 - COVER SHEET	44	C2252 - LILLY STA. 10+00 TO 15+00
2	G2002 - GENERAL NOTES	45	C2261 - VERBENA STA. 0+00 TO 10+00
3	G2003 - PIPELINE NETWORK PLAN	46	C2262 - VERBENA STA. 10+00 TO 15+00
4	C2001 - DRAWING KEY SHEET	47	C2271 - E. STYCAMORE STA. 0+00 TO 10+00
5	C2002 - SURVEY CONTROL PLAN (1 of 3)	48	C2272 - E. STYCAMORE STA. 10+00 TO 20+00
6	C2003 - SURVEY CONTROL PLAN (2 of 3)	49	C2273 - E. STYCAMORE STA. 20+00 TO 30+00
7	C2004 - SURVEY CONTROL PLAN (3 of 3)	50	C2274 - E. STYCAMORE STA. 30+00 TO 40+00
8	C2008 - UNDERGROUND UTILITIES	51	C2275 - E. STYCAMORE STA. 40+00 TO 49+00
9	C2101 - WILLOW STA. 0+00 TO 11+00	52	C2281 - ROSE STA. 0+00 TO 10+00
10	C2102 - WILLOW STA. 11+00 TO WOOD	53	C2291 - WALNUT STA. 10+00 TO 10+00
11	C2111 - WOOD STA. 0+00 TO 19+00	54	C2292 - WALNUT STA. 10+00 TO 20+00
12	C2121 - WOOD STA. 19+00 TO 19+00	55	C2293 - WALNUT STA. 20+00 TO 30+00
13	C2131 - MARLYN STA. 0+00 TO LAUREL	56	C2301 - MULBERRY STA. 0+00 TO 10+00
14	C2131 - LAUREL STA. 0+00 TO 10+00	57	C2302 - MULBERRY STA. 10+00 TO 20+00
15	C2132 - LAUREL STA. 10+00 TO 14+00	58	C2303 - MULBERRY STA. 20+00 TO 30+00
16	C2141 - EAST DALLAS STA. 0+00 TO 10+00	59	C2311 - TEANWOOD STA. 0+00 TO 14+00
17	C2142 - EAST DALLAS STA. 10+00 TO 20+00	60	C2312 - TEANWOOD STA. 14+00 TO 24+00
18	C2143 - EAST DALLAS STA. 20+00 TO 30+00	61	C2313 - TEANWOOD STA. 24+00 TO 31+00
19	C2144 - EAST DALLAS STA. 30+00 TO 40+00	62	C2321 - CYPRESS STA. 0+00 TO 14+00
20	C2145 - EAST DALLAS STA. 40+00 TO 44+00	63	C2322 - CYPRESS STA. 14+00 TO 24+00
21	C2151 - HOUSTON STA. 0+00 TO 09+00	64	C2323 - CYPRESS STA. 24+00 TO 31+00
22	C2152 - HOUSTON STA. 09+00 TO 19+00	65	C2331 - REINFRO-BURFORD STA. 0+00 TO 9+00
23	C2153 - HOUSTON STA. 19+00 TO 22+00	66	C2332 - REINFRO-BURFORD STA. 9+00 TO 14+00
24	C2161 - MAIN STA. 0+00 TO 10+00	67	C2333 - REINFRO-BURFORD STA. 14+00 TO 21+00
25	C2162 - MAIN STA. 10+00 TO 20+00	68	C2341 - MUSTLETOE STA. 0+00 TO 09+00
26	C2162 - MAIN STA. 20+00 TO 28+00	69	C2342 - MUSTLETOE STA. 09+00 TO 18+00
27	C2171 - GAYNOR STA. 0+00 TO 11+00	70	C2343 - MUSTLETOE STA. 18+00 TO 28+00
28	C2181 - CLEVELAND STA. 0+00 TO 11+00	71	C2351 - GARDENIA STA. 0+00 TO 09+00
29	C2191 - GALLESTON STA. 0+00 TO 14+00	72	C2351 - GARDENIA STA. 09+00 TO 10+00
30	C2201 - EAST PALM STA. 0+00 TO 10+00	73	C2371 - LILLY STA. 0+00 TO 10+00
31	C2202 - EAST PALM STA. 10+00 TO 30+00	74	C2391 - MAPLE STA. 0+00 TO 10+00
32	C2204 - EAST PALM STA. 30+00 TO 30+00	75	C2401 - REDWOOD STA. 0+00 TO 14+00
33	C2205 - EAST PALM STA. 40+00 TO 40+00	76	C2402 - REDWOOD STA. 0+00 TO 14+00
34	C2211 - HAMID STA. 0+00 TO 10+00	77	C2403 - REDWOOD STA. 14+00 TO 24+00
35	C2212 - HAMID STA. 10+00 TO 12+00	78	C2404 - REDWOOD STA. 24+00 TO 31+00
36	C2213 - VERMONT STA. 0+00 TO 10+00	79	C2405 - REDWOOD STA. 31+00 TO 31+00
37	C2221 - MARZIA STA. 0+00 TO 14+00	80	C2406 - REDWOOD STA. 31+00 TO 31+00
38	C2231 - VERMONT STA. 0+00 TO 10+00	81	SWPPP01 - SWPPP DETAILS
39	C2232 - VERMONT STA. 10+00 TO 20+00	82	SWPPP02 - SWPPP LAYOUT (1 of 3)
40	C2233 - VERMONT STA. 20+00 TO 20+00	83	SWPPP03 - SWPPP LAYOUT (2 of 3)
41	C2241 - JASMINE STA. 0+00 TO 10+00	84	SWPPP04 - SWPPP LAYOUT (3 of 3)
42	C2251 - LILLY STA. 0+00 TO 10+00	85	TCPS01 - TRAFFIC CONTROL PLAN (1 of 2)
43		86	TCPS02 - TRAFFIC CONTROL PLAN (2 of 2)

FORT BEND COUNTY ENGINEER  
*[Signature]*  
DATE: 4/1/15  
THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN ONE (1) YEAR FROM DATE OF APPROVAL.  
APPROVED: *[Signature]*  
DATE: 4/1/15



FOR BIRD HOLE INFORMATION TWO (2) BUSINESS DAYS BEFORE YOU DIG CALL 811. FOR ALL OTHER INFORMATION CALL 1-800-888-3444 (Texas 811) UTILITY NOTIFICATION ONE CALL. www.onecall.com

PROTECT REBAR/REINFORCEMENT FROM WEATHER AND PREPARE TO BE COVERED WITH PROTECTIVE MATERIALS TO PREVENT WEATHER DAMAGE TO REBAR/REINFORCEMENT. REBAR/REINFORCEMENT SHALL BE COVERED WITH PROTECTIVE MATERIALS TO PREVENT WEATHER DAMAGE TO REBAR/REINFORCEMENT. REBAR/REINFORCEMENT SHALL BE COVERED WITH PROTECTIVE MATERIALS TO PREVENT WEATHER DAMAGE TO REBAR/REINFORCEMENT.

\* CONTRACTOR SHALL ABOVE BY EXAMINING OF US (SEMI-ANNUAL) AND MAINTAINING GOOD RECORDS.

TRAFFIC NOTES

- 1. CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION DURING WORKING HOURS. CONTRACTOR SHALL COVER OPEN EXCAVATIONS WITH STEEL PLATES ANCHORED PROPERLY DURING WORKING HOURS, AND OPEN EXCAVATIONS FOR NORMAL TRAFFIC FLOW.
2. CERTIFIED FLAGMEN/IN ARE REQUIRED TO DIRECT TRAFFIC WHEN LINES ARE BUILT.
3. CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION DURING WORKING HOURS. CONTRACTOR SHALL COVER OPEN EXCAVATIONS WITH STEEL PLATES ANCHORED PROPERLY DURING WORKING HOURS, AND OPEN EXCAVATIONS FOR NORMAL TRAFFIC FLOW.

WATERLINE CONSTRUCTION NOTES (CONTINUED)

- 9. WATERLINE TRENCHES UNDER PAVEMENT OR WITHIN ONE FOOT OF PAVED CURBS SHALL BE BACKFILLED WITH COMPACTED SAND (P-2) BACK/CURB (YARD) UP TO WITHIN ONE FOOT OF PAVEMENTS. COST OF BACKFILL SHALL NOT BE PAID DIRECTLY BUT SHALL BE INCLUDED IN THE COST OF THE PROJECT TO BE LOCATED 3'-0" FROM EDGE OF RIGHT-OF-WAY, UNLESS OTHERWISE NOTED.
10. WATERLINE SHALL BE CONSTRUCTED SUCH THAT ALL CROSSBARS AND TEES WILL NOT BE LOCATED UNDER PROPOSED OR FUTURE PAVING.

GENERAL CONSTRUCTION NOTES

- 1. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE TO THE EXISTING PUBLIC OR PRIVATE UTILITY LINES, INCLUDING BUT NOT LIMITED TO PAVING AND STORM SEWERS DURING CONSTRUCTION. ALL DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH DENNIS ANTHONY'S CONTRACT.
2. CONTRACTOR SHALL NOTIFY THE FOLLOWING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION: JACOBS ENGINEERING, DAVIS CRYSTAL, INC. (713) 257-6244; UTILITY COORDINATING COMMITTEE, PRODUCTION METROPOLITAN AREA, (713) 257-6244; UTILITY COORDINATING COMMITTEE, PRODUCTION METROPOLITAN AREA, (713) 257-6244; CITY OF PEARLAND (ENGINEERING DIVISION), CONSTRUCTION@PEARLANDTX.GOV; CITY OF PEARLAND (UTILITY DIVISION), CONSTRUCTION@PEARLANDTX.GOV; JACOBS ENGINEERING, DAVIS CRYSTAL, INC. (713) 257-6244.

STORM SEWER CONSTRUCTION NOTES:

- 1. STORM SEWER SHALL BE REINFORCED CONCRETE PIPE (C-76, CLASS III) AND SHALL BE INSTALLED, MANHOLES, AND INLET MANHOLES TO MEET THE CITY OF PEARLAND STANDARDS UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
2. ALL STORM SEWER CONSTRUCTION IN SLOTTED EASEMENT SHALL BE PER (C-76, CLASS III) AND SHALL BE BUILT IN ACCORDANCE WITH THE CITY OF PEARLAND STANDARDS.
3. ALL STORM SEWER CONSTRUCTION SHALL BE BACKFILLED WITH 1/2" SLAG GRANULATED STABILIZED SAND TO WITHIN ONE FOOT OF SUBGRADE. THE REMAINING DEPTH OF TRENCH SHALL BE BACKFILLED WITH SUFFICIENT GRAIN SIZE SAND.

AT-BY/SHUT-IN NOTES:

- 1. THE LOCATIONS OF AT-BY/SHUT-IN FACILITIES ARE SHOWN IN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION OF ALL AT-BY/SHUT-IN FACILITIES. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE INCURRED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.
2. WHEN EXCAVATING WITHIN EIGHTEEN FEET (18') OF THE INDICATED LOCATION OF AT-BY/SHUT-IN FACILITIES, THE CONTRACTOR SHALL EXPOSE THE AT-BY/SHUT-IN FACILITIES. PROCEDURES SHALL BE FOLLOWED TO PROTECT THESE FACILITIES. THE CONTRACTOR SHALL PROVIDE SUPPORT TO THE AT-BY/SHUT-IN FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL AT-BY/SHUT-IN FACILITIES. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE INCURRED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.

CAUTION UNDERGROUND GAS FACILITIES

- 1. LOCATIONS OF CENTERPOINT ENERGY MARK LINES (TO INCLUDE CENTERPOINT ENERGY, INDIANATE PIPELINE INC. WHERE APPLICABLE) ARE SHOWN IN AN APPROXIMATE LOCATION ONLY. SERVICE LINES ARE SHOWN AS APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND GAS FACILITIES. THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING COMMITTEE AT (713) 257-6244 FOR THE LOCATION OF ALL UNDERGROUND GAS FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UNDERGROUND GAS FACILITIES. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE INCURRED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.

CENTERPOINT ENERGY NOTES:

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CAUTION OVERHEAD ELECTRICAL FACILITIES

- 1. OVERHEAD LINES MAY EXIST ON THE PROPERTY. WE HAVE NOT ATTEMPTED TO MARK THESE LINES SINCE THEY ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO REMOVING ANY EXISTING STRUCTURES OR EQUIPMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL OVERHEAD ELECTRICAL FACILITIES. THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING COMMITTEE AT (713) 257-6244 FOR THE LOCATION OF ALL OVERHEAD ELECTRICAL FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL OVERHEAD ELECTRICAL FACILITIES. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE INCURRED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.

SPECIAL TRENCH BACKFILL NOTE:

- 1. ALL TRENCH BACKFILL FOR WATERLINE AND DUCTS SHALL BE COMPACTED TO AT LEAST 98% OF MAXIMUM DENSITY PER ASTM D-698. MOISTURE CONTENT SHALL BE WITHIN 3% OF OPTIMUM. DUCTS SHALL BE BACKFILLED WITH 1/2" SLAG GRANULATED STABILIZED SAND TO WITHIN ONE FOOT OF SUBGRADE. THE REMAINING DEPTH OF TRENCH SHALL BE BACKFILLED WITH SUFFICIENT GRAIN SIZE SAND.

WATERLINE CONSTRUCTION NOTES:

- 1. WATERLINES WITHIN THE CITY OF PEARLAND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER MAINS, STORM DRAINAGE AND STREET PAVING, UNLESS OTHERWISE NOTED AND APPROVED ON THESE PLANS.
2. ALL WATER MAINS AFTER INSTALLATION SHALL BE THOROUGHLY DEFLECTED ACCORDING TO AWA SPECIFICATION C-605 AND THEN PLUMBED BEFORE BEING PLACED INTO SERVICE. WATER SAMPLES WILL BE COLLECTED FOR BACTERIOLOGICAL ANALYSIS AND MUST MEET THE TEXAS STATE DEPARTMENT OF HEALTH AND CITY OF PEARLAND REQUIREMENTS PRIOR TO PLACING THE LINES INTO SERVICE.
3. ALL WATERLINES ARE TO BE HYDROSTATICALLY TESTED BY THE CONTRACTOR AT 150 P.S.I. IN ACCORDANCE WITH AWA C-605.

GENERAL NOTES:

- 1. CONTRACTOR SHALL CONTACT FORT BEND COUNTY AT JOHNNY.ORTON@FORTBENDCOUNTYTX.GOV TO OBTAIN COUNTY RIGHT-OF-WAY.
2. CONTRACTOR SHALL CONTACT FORT BEND COUNTY AT JOHNNY.ORTON@FORTBENDCOUNTYTX.GOV TO OBTAIN COUNTY RIGHT-OF-WAY.
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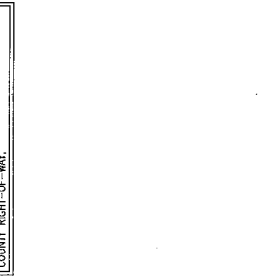
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CONTRACTOR SHALL CONTACT FORT BEND COUNTY AT JOHNNY.ORTON@FORTBENDCOUNTYTX.GOV TO OBTAIN COUNTY RIGHT-OF-WAY.



JACOBS ENGINEERING GROUP, INC. 6905 KODOLINDEN ROAD, FORT WORTH, TEXAS 76120-0007. PHONE: (817) 440-4000. FAX: (817) 440-4001. WWW.JACOBS.COM

Table with columns: NO., DATE, DESCRIPTION, DATE, TIME, CHECK. Includes entries for 'VERIFY CONTRACT DOCUMENTS' and 'VERIFY CONTRACT DOCUMENTS'.

PEARLAND WATERLINE IMPROVEMENTS PHASE II. SUPPLY DISTRICT NO. 1. WATERLINE IMPROVEMENTS. MAIL BOX 83231-0007.

Table with columns: NO., DATE, DESCRIPTION, DATE, TIME, CHECK. Includes entries for 'VERIFY CONTRACT DOCUMENTS' and 'VERIFY CONTRACT DOCUMENTS'.

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FOR BURIED UTILITY INFORMATION  
 TWO (2) BUSINESS DAYS  
 BEFORE YOU DIG CALL 811  
 (800) 811-4111 (toll-free)  
 (972) 440-8000 (texas only)  
 JULY NOTIFICATION ONE CALL  
 www.onecall.org

THIS PLAN WAS PREPARED BY  
 JACOBS CONSULTING GROUP, INC.  
 1400 WEST STATE STREET, SUITE 200, DALLAS, TEXAS 75201  
 CENTER OF STATE ROUTE 688 AND 18 FEET SOUTH OF THE  
 CENTERLINE OF DALLAS RD.  
 ELEVATION 1070 FEET BOUND 081

F.B.C. FRESHWATER SUPPLY DISTRICT NO. 1  
 BOUNDARY

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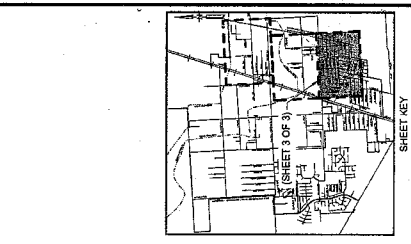
F.M. 521





FOR BARRIED UTILITY INFORMATION  
 TWO (2) BUSINESS DAYS  
 811  
 (800) 551-8111  
 (OR) 1-800-888-8344 (toll free)  
 (OR) 1-800-888-8344 (toll free)  
 UTILITY INFORMATION ONE CALL  
 www.onecall.com

PROJECT: BUCKINGHAM # 1668  
 CONTRACT: 1668  
 SHEET: 1668-01  
 DATE: 10/20/10  
 DRAWN BY: J. W. HARRIS  
 CHECKED BY: J. W. HARRIS  
 APPROVED BY: J. W. HARRIS  
 ELEVATION TO 2.0 FEET (NAD 83)



SHEET KEY  
 (FBCPWSDBH - PHASE 2)

NO.	DESCRIPTION	DATE	BY	CHECKED



**JACOBS**  
 9900 RIVERCHASE ROAD  
 FORT WORTH, TEXAS 76133-4500  
 PORT FORT WORTH FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE 2 -  
 WATERLINE IMPROVEMENTS

SURVEY CONTROL PLAN  
 (SHEET 3 OF 3)

NO.	DATE	BY	CHECKED

SHEET  
 7  
 OF 08  
 C2004



F.C.C. FRESHWATER SUPPLY DISTRICT NO. 1  
 BOUNDARY

PROJECT COORDINATOR  
 J. W. HARRIS

FOR BURIED UTILITY INFORMATION  
TWO (2) BUSINESS DAYS  
BEFORE YOU DIG CALL 811  
(OR 1-800-888-8344 Hours 8am - 811)  
UTILITY NOTIFICATION ONE CALL  
www.onecall811.com



**LEGEND**



CENTERPOINT  
UTILITIES  
(SEE NOTE 1)

CITY

DRAWING NUMBER



TOEQ COIN  
(SEE NOTE 1)

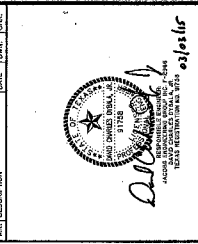
**NOTE:**  
1. UNDERGROUND UTILITIES (ELECTRIC, GAS, WATER, SEWER, TELEPHONE, CABLE) ARE NOT SHOWN ON PLANS DRAWINGS. CALL FOR MARKOUTS AND CONFIRM LOCATIONS TO MAXIMUM EXTENT POSSIBLE PRIOR TO DIGGING.

**TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-207-2222**  
**NOTICE:**  
This drawing is intended for use by the contractor only. It is not to be used for any other purpose. The contractor is responsible for verifying the location and depth of all utilities prior to excavation. The contractor shall be responsible for obtaining all necessary permits and for arranging for the shut-off and relocation of all utilities as required. The contractor shall be responsible for the safety of all personnel and equipment during the excavation process.

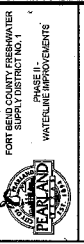
**VERIFICATION OF PRIVATE UTILITY LINES**  
This drawing is intended for use by the contractor only. It is not to be used for any other purpose. The contractor is responsible for verifying the location and depth of all utilities prior to excavation. The contractor shall be responsible for obtaining all necessary permits and for arranging for the shut-off and relocation of all utilities as required. The contractor shall be responsible for the safety of all personnel and equipment during the excavation process.

**DATE:** 4/1/15  
**DATE:** 4/1/15  
**DATE:** 4/1/15  
**DATE:** 4/1/15

NO.	DATE	DESCRIPTION	DATE	NO.	DATE	DESCRIPTION



**JACOBS**  
5909 RODRIGUEZ ROAD  
FORT WORTH, TEXAS 76133-6000



PHASE II -  
WATERLINE IMPROVEMENTS

UNDERGROUND UTILITIES  
APPROXIMATE LOCATIONS

PROJECT: WORTHEN  
SHEET: 8  
DATE: APR 2014  
SCALE: AS SHOWN  
PROJECT NO.: C2089  
DRAWN BY: [Signature]  
CHECKED BY: [Signature]  
DATE: 4/1/15

APPROXIMATE LOCATION OF  
TURNER WATER SERVICE  
CON# 12195



ASTRO (NIAGRA) SUBDIVISION  
ASTRO DEVELOPMENT, INC.  
AQUAVELAS, TX  
PWS ID: 0790261  
CC# 11888 (WATER)  
CC# 20622 (SEWER)  
281-851-0174

DATE: 4/1/15







FOR UNLTD. UTILITY INFORMATION  
 TWO (2) BUSINESS DAYS  
 BEFORE YOU DIG CALL 811  
 (817) 465-5000 (Toll Free)  
 (817) 465-5000 (Tarrant)  
 UTILITY INFORMATION ONE CALL  
 www.call811.org  
 www.call811.com

NOTES:  
 1. ALL UTILITIES SHALL BE MAINTAINED AT ALL TIMES.  
 2. PRE-CONSTRUCTION CONDITIONS OR ALTER  
 3. PRE-CONSTRUCTION CONDITIONS OR ALTER  
 4. PRE-CONSTRUCTION CONDITIONS OR ALTER  
 5. PRE-CONSTRUCTION CONDITIONS OR ALTER

TO ASSURE EXISTING UTILITIES TO BE MAINTAINED OR  
 MOVED, CALL CENTERPOINT ENERGY AT 713.209.2222  
 FOR GAS UTILITIES.  
 NOTICE:  
 This system is not to be used for any other purpose than that  
 intended. This system is not to be used for any other purpose than that  
 intended. This system is not to be used for any other purpose than that  
 intended.

VERIFICATION OF PRIVATE UTILITY LINES  
 Date: 4/8/15  
 By: [Signature]  
 Date: 4/8/15  
 By: [Signature]

DATE: 4/8/15  
 BY: [Signature]

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 BY: [Signature]

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 BY: [Signature]

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 BY: [Signature]

DATE: 4/8/15  
 BY: [Signature]

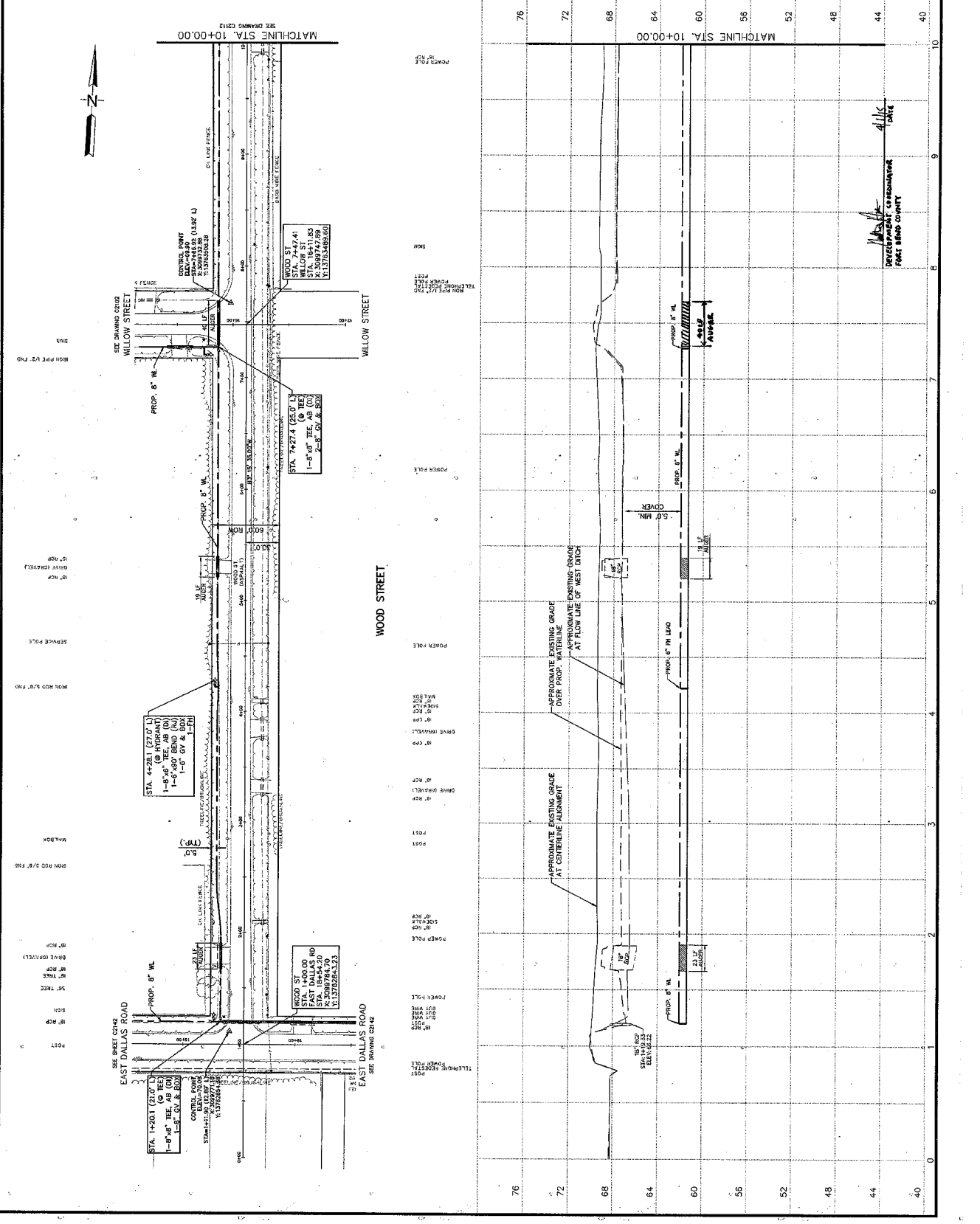
DATE: 4/8/15  
 BY: [Signature]

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 BY: [Signature]

DATE: 4/8/15  
 BY: [Signature]

DATE: 4/8/15  
 BY: [Signature]

DATE: 4/8/15  
 BY: [Signature]



NO.	DESCRIPTION	DATE	DRAWN	CHECKED
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WOOD STREET  
 STA. 0+00.00 TO STA. 10+00.00

PROJECT NO. W10070514  
 DATE: APR. 2014  
 SCALE: 1" = 40'  
 SHEET: 11 OF 68

PEARLAND  
 FORT BEND COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 WATER MAIN IMPROVEMENTS

JACOBS  
 5665 PROGRESS ROAD  
 HOUSTON, TEXAS 77057  
 TEL: 281.333.3333

WOOD STREET  
 STA. 0+00.00 TO STA. 10+00.00

FOR BUNDLED QUOTE INFORMATION  
 TWO (2) BUSINESS DAYS  
 800-433-9411  
 OR 1-800-465-8844 (Tues-Fri)  
 OR 1-800-465-8844 (Mon-Sat 8A-11A)  
 OR BY MAIL/PORTAL ONE CALL  
 WWW.811.COM

**PROJECT BENCHMARK**  
 SHALL BE THE  
 WEST END OF SOUTH CONCRETIZED PAVEMENT AS SHOWN ON THE PLANS  
 OR THE CENTERLINE OF THE ROAD AS SHOWN ON THE PLANS  
 OR THE CENTERLINE OF THE ROAD AS SHOWN ON THE PLANS  
 OR THE CENTERLINE OF THE ROAD AS SHOWN ON THE PLANS

- NOTES:**
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  - CONTRACTOR SHALL RETURN DITCHES TO PRE-CONSTRUCTION CONDITIONS OR BETTER
  - PRE HYDRANTS TO BE INSTALLED 3' OFF SIDEWALK
  - ALL MATERIALS CROSSING COUNTY STREETS, INCLUDING LEADS, SHALL BE ASSESSER AT LEAST 5' FROM SIDE OF PAVEMENT.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL GERRITSON ENERGY AT 713-297-2222

**NOTICE:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES CAUSED BY THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ANY DAMAGE TO UTILITIES CAUSED BY THIS PROJECT.

**VERIFICATION OF PRIVATE UTILITY LINES**

Name: Shopper Date: 4/15

City: Dallas State: TX

Address: 1234 Main St, Dallas, TX 75201

Company: ABC Utility Co.

CITY OF DALLAS

**JACOBS**

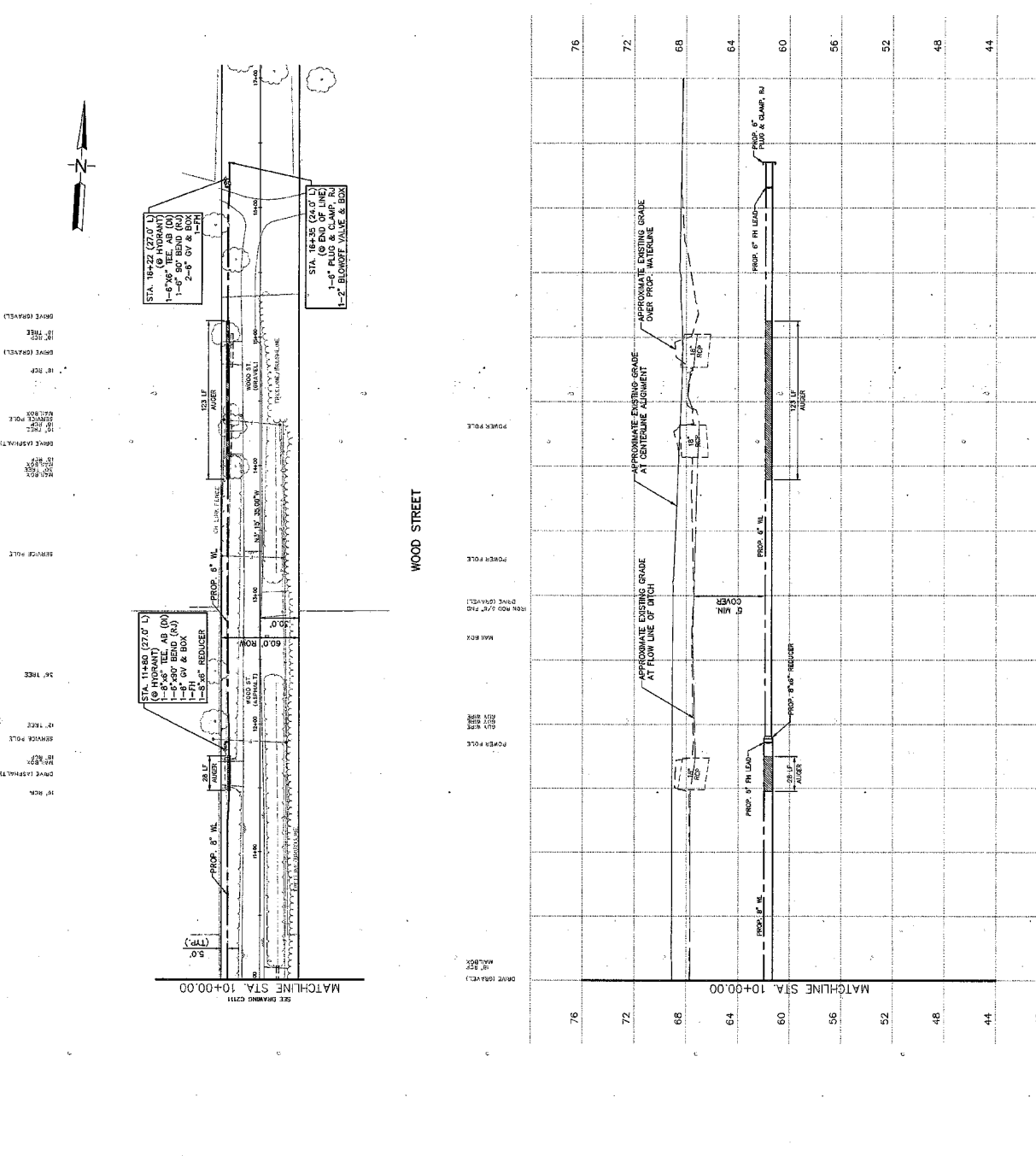
9800 ROCKWELL ROAD  
 FORT WORTH, TEXAS 76116

FOOT LEAD COUNTY FRESHWATER SUPPLY DISTRICT NO. 1

PHASE 3 - WATERLINE IMPROVEMENTS

WOOD STREET  
 STA. 10+00.00 TO STA. 18+00.00

NO.	DESCRIPTION	DATE	DRAWN	CHECKED



SHEET NO.	12	DATE	4/15	PROJECT	C2112
SCALE	AS SHOWN	PROJECT	WOOD STREET	DATE	4/15
PROJECT	WOOD STREET	SCALE	AS SHOWN	PROJECT	C2112
SCALE	AS SHOWN	PROJECT	WOOD STREET	DATE	4/15
PROJECT	WOOD STREET	SCALE	AS SHOWN	PROJECT	C2112
SCALE	AS SHOWN	PROJECT	WOOD STREET	DATE	4/15



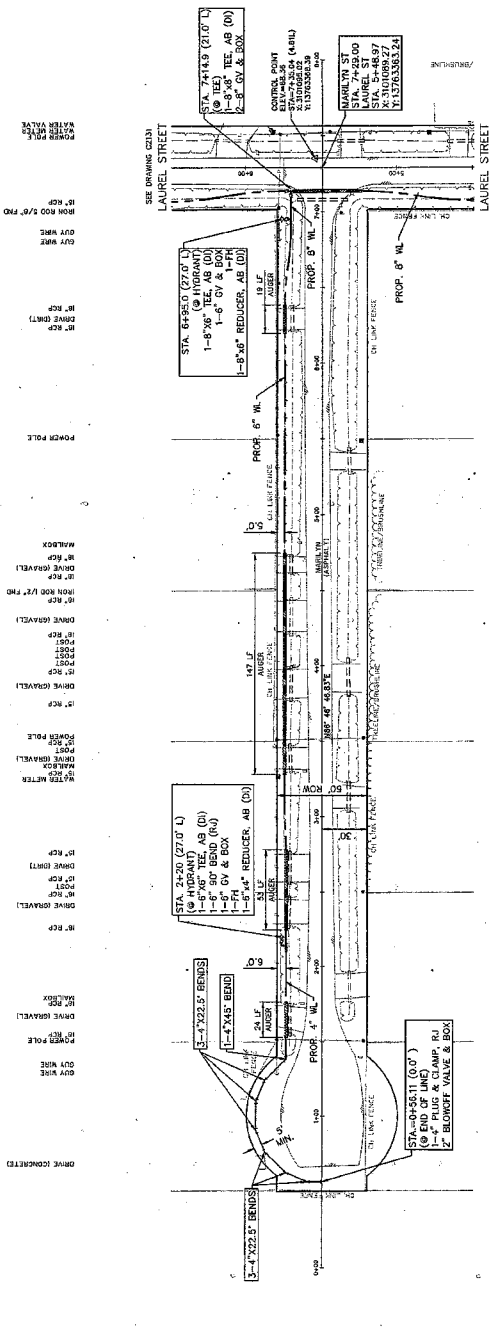
FOR MARKED UTILITY INFORMATION  
 TWO (2) BUSINESS DAYS  
 PRIOR TO THE WORK  
 CALL (811)  
 OR 1-800-345-5000  
 OR 1-800-800-8344 (Long Star 811)  
 UTILITY INFORMATION ONE CALL  
 www.onecall811.com

PROJECT: BENCHMARK  
 R/S: BENCHMARK  
 M/EB: BENCHMARK  
 DATE: 04/15/23  
 TIME: 1:30 PM  
 LOCATION: 4400 LAUREL STREET  
 ELEVATION 72.00 FEET (MAD 81)  
 M/EB: BENCHMARK  
 DATE: 04/15/23  
 TIME: 1:30 PM  
 LOCATION: 4400 LAUREL STREET  
 ELEVATION 72.00 FEET (MAD 81)

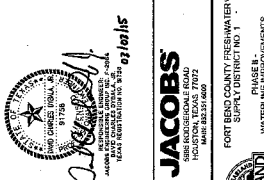
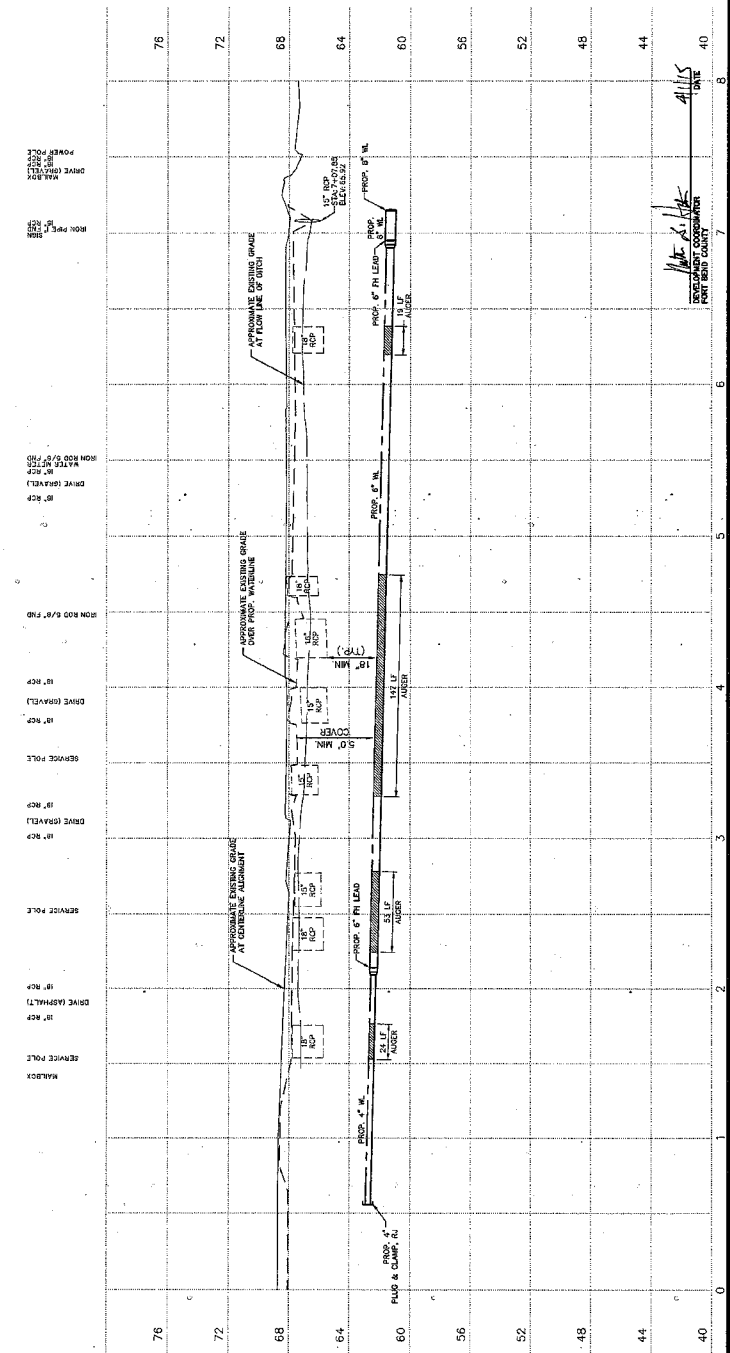
- NOTES:
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  - CONTRACTOR SHALL RETURN DITCHES TO PRE-CONSTRUCTION CONDITIONS OR BETTER
  - FIRE HYDRANTS TO BE INSTALLED 3' OFF CURB AND 5' FROM INTERSECTION
  - ALL UTILITIES CROSSING COUNTY STREETS, INCLUDING LEADS, SHALL BE AUGURED AT LEAST 6" BELOW THE SURFACE OF THE EXISTING WATERMAIN ARE ANTICIPATED TO BE EXISTING UTILITIES. CONTRACTOR SHALL VERIFY EXACT LOCATION OF UTILITIES ARE UNMOUNTED. UNMOUNTED UTILITIES SHALL BE AUGURED AT LEAST 6" BELOW THE SURFACE OF THE EXISTING WATERMAIN. CONTRACTOR SHALL VERIFY EXACT LOCATION OF UTILITIES ARE UNMOUNTED. UNMOUNTED UTILITIES SHALL BE AUGURED AT LEAST 6" BELOW THE SURFACE OF THE EXISTING WATERMAIN.
  - TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-261-2222
  - FOR YOUR SAFETY, YOU ARE REQUESTED TO TURN OFF ALL UTILITIES TO BE WORKED ON AT LEAST 48 HOURS PRIOR TO THE START OF WORK. THIS INCLUDES ALL GAS, WATER, AND SEWER LINES.
  - VERIFY LOCATION OF UTILITIES TO BE WORKED ON WITH AN APPROPRIATE UTILITY MARKING SERVICE (E.g. 811). CONTACT INFORMATION IS LISTED BELOW FOR YOUR REFERENCE.

VERIFICATION OF PRIVATE UTILITY LINES  
 Date: 4/15/23  
 By: M/EB

JACOBS  
 8900 CRENSHAW ROAD  
 FORT BEND COUNTY, TEXAS 78426  
 TEL: 281.345.5000  
 FAX: 281.345.5000  
 WWW.JACOBS.COM  
 JACOBS PROJECT NUMBER: 23-1001  
 JACOBS SHEET NUMBER: 13  
 JACOBS SCALE: AS SHOWN



MARILYN STREET



**JACOBS**  
 ENGINEERING & CONSTRUCTION, INC.  
 8900 CRENSHAW ROAD  
 FORT BEND COUNTY, TEXAS 78426  
 TEL: 281.345.5000  
 FAX: 281.345.5000  
 WWW.JACOBS.COM

FOR BEND COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE II  
 WATERLINE IMPROVEMENTS

MARILYN STREET  
 STA. 0+00.00 TO LAUREL STREET

NO.	DATE	BY	REVISION
1	04/15/23	M/EB	ISSUE FOR PERMIT

SHEET  
 13  
 OF 18  
 DATE: 04/15/23  
 C2121

**811** FOR BORED UTILITY INFORMATION  
 TWO (2) BUSINESS DAYS  
 (800) 451-5000 (Local) (714) 451-5000 (Toll-Free)  
 (817) 451-5000 (Dallas) (714) 451-5000 (Houston)  
 (714) 451-5000 (Austin) (714) 451-5000 (San Antonio)  
 (714) 451-5000 (Fort Worth) (714) 451-5000 (Dallas/Fort Worth Metroplex)  
 www.811.com

**PROJECT BENCHMARK:**  
 BENCH MARK: 12688  
 1.5'-0" CONCRETE IN WALL OF AN IRON  
 PIPE. APPROXIMATELY 2.5' EAST OF THE  
 CENTERLINE OF DALLAS ROAD  
 AND 10.0' SOUTH OF THE CENTERLINE  
 OF LAUREL STREET.  
 ELEVATION TO TOP OF IRON PIPE: 12688.00

- NOTES:**
1. CONTRACTOR SHALL PROVIDE ACCESS TO HIGHWAYS TO ADJACENT PROPERTIES.
  2. CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL CONDITION OR BETTER.
  3. DITCHES SHALL BE INSTALLED 2' OFF CENTERLINE UNLESS OTHERWISE NOTED.
  4. ALL WARELINES CROSSING COUNTY STREETS SHALL BE MAINTAINED AT LEAST 2' FROM EACH SIDE OF PAVEMENT ADGED AT LEAST 2' FROM EACH SIDE OF PAVEMENT.
  5. EXISTING WATERLINES ARE ANTICIPATED TO BE LAYED OUT AT THE EXACT LOCATION OF WATERLINES ARE ANNUAL SURVEY FOR THE PURPOSE OF PROTECTING AND MAINTAINING THE WATERLINE SYSTEM IN OPERATION.

**TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTRAL ENERGY AT 713-537-2222.**  
**CENTRAL ENERGY**  
 1405 WEST WINDYBROOK DRIVE  
 SUITE 100  
 DALLAS, TEXAS 75244  
 713-537-2222

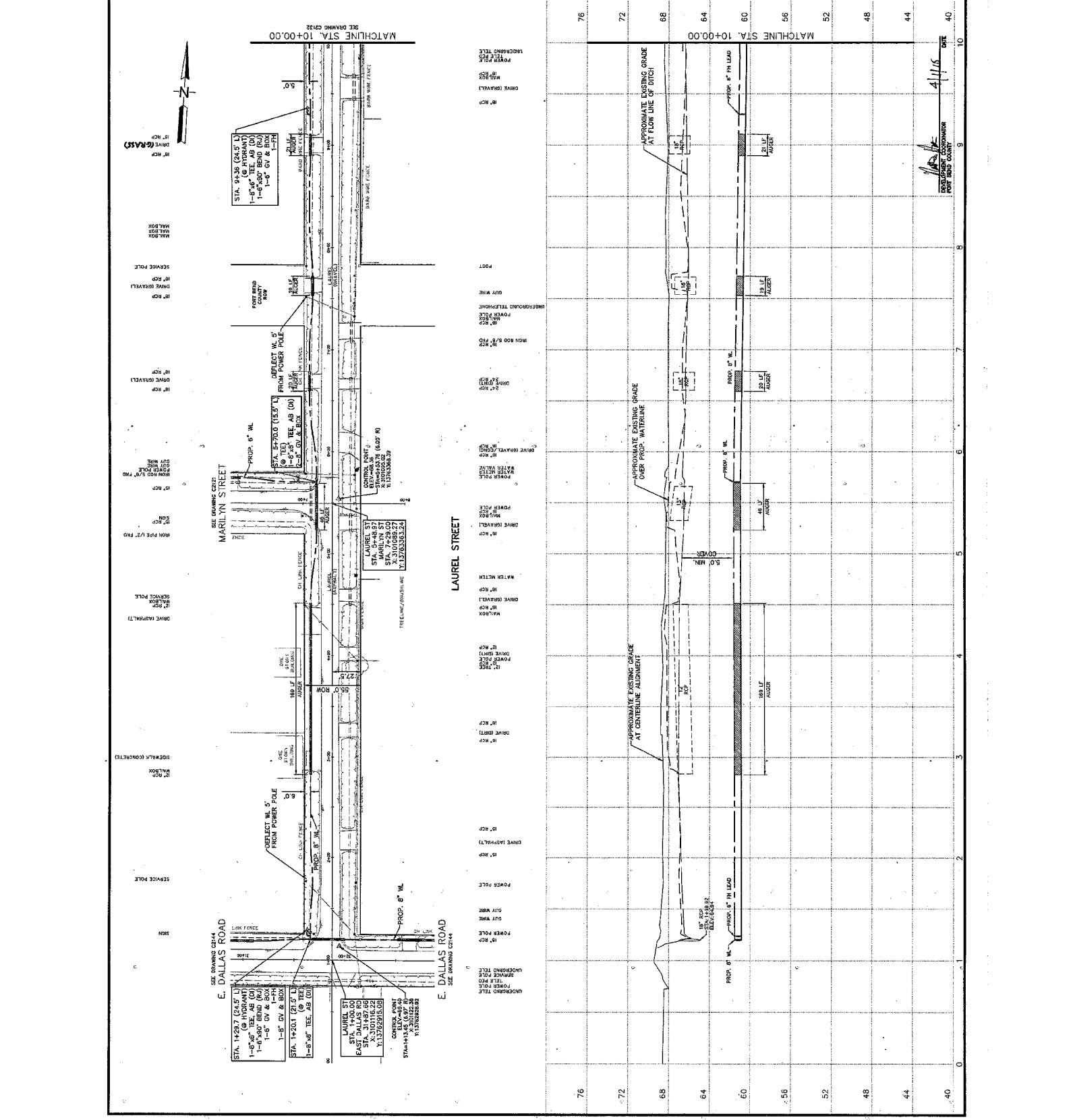
**VERIFICATION OF PRIVATE UTILITY LINES**  
 DATE: 4/18/15  
 BY: [Signature]  
 FOR THE USE OF THE CONTRACTOR, THIS VERIFICATION IS LIMITED TO THE INFORMATION PROVIDED BY THE UTILITY OWNERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND DEPTH OF ALL UTILITIES.

NO.	DATE	DESCRPTION	DATE	DRAWN	CHECK
1	4/18/15	DESIGN			
2	4/18/15	CHECK			
3	4/18/15	CHECK			

**JACOBS**  
 FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1  
 PHASE II - WATER LINE IMPROVEMENTS  
 STA. 0+00.00 TO STA. 10+00.00  
 LAUREL STREET

**APPROXIMATE EXISTING GRADE AT FLOW LINE OF UTILITY**  
**APPROXIMATE EXISTING GRADE AT CENTERLINE ALIGNMENT**  
**APPROXIMATE EXISTING GRADE AT OPEN TRENCH WATERLINE**

PROJECT NO. C2122	SHEET 14 OF 66
DATE: APR 2014	DRAWING NO.: 14
DRAWN BY: W. GREGG	CHECKED BY: J. JONES
PROJECT: J. JONES	C2131



**E. DALLAS ROAD**  
 SEE DRAWING C2144

**MARILYN STREET**  
 SEE DRAWING C2121

**LAUREL STREET**

**E. DALLAS ROAD**  
 SEE DRAWING C2144

UNDERGROUND TELEPHONE POLE  
 DRIVE (W/STREET)  
 DRIVE (EAST/WEST)  
 DRIVE (NORTH)  
 DRIVE (SOUTH)  
 DRIVE (W/STREET)  
 DRIVE (EAST/WEST)  
 DRIVE (NORTH)  
 DRIVE (SOUTH)  
 DRIVE (W/STREET)  
 DRIVE (EAST/WEST)  
 DRIVE (NORTH)  
 DRIVE (SOUTH)



FOR BURIED UTILITY INFORMATION  
 PRO (2) BUSINESS DAYS  
 1-800-485-8111  
 OR 1-800-545-8005 (Toll-Free 811)  
 OR 1-800-898-8844 (Mon-Fri 8:00 AM - 5:00 PM)  
 UTILITY INFORMATION ONE CALL  
 www.onecall811.com

PROJECT BENCHMARK: N 1/4 SEC 16, T14N, R10E, S11  
 WEST END OF SOUTH CONCRETE REMAINS OF AN 8" PIPE  
 FROM EAST APPROXIMATELY 15 FEET EAST OF THE  
 CENTERLINE OF DALLAS RD.  
 ELEVATION TO FEET (NAVD 83)

- NOTES:
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  - CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL CONSTRUCTION CONDITIONS OR BETTER
  - FIRE HYDRANTS TO BE INSTALLED 3' OFF CENTERLINE OF ROAD
  - ALL WATERLINES CROSSING COUNTY STREETS, AND ALL LEADS SHALL BE AUGURED AT LEAST 18" BELOW THE SURFACE
  - EXISTING WATERLINES ARE ANTICIPATED TO BE DAMAGED DURING CONSTRUCTION. CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING WATERLINES IN OPERATION.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-261-2222

VERIFICATION OF PRIVATE UTILITY LINES

NO.	DESCRIPTION	DATE	CHK.
1	8" WATER MAIN	4/16/15	DHK
2	8" SANITARY SEWER	4/16/15	DHK
3	8" GAS	4/16/15	DHK
4	8" ELECTRIC	4/16/15	DHK
5	8" TELEPHONE	4/16/15	DHK

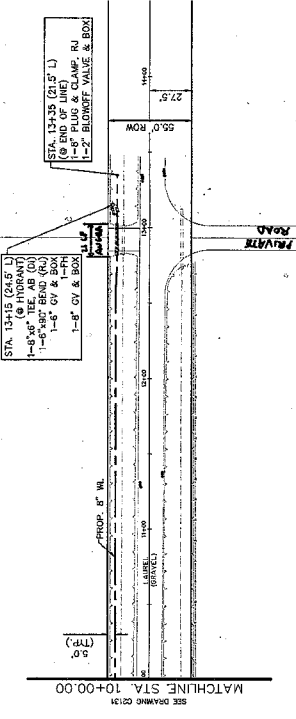
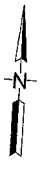
FOR THE CITY OF FORT BEND COUNTY  
 PUBLIC WORKS DEPARTMENT  
 1000 W. UNIVERSITY BLVD., SUITE 100  
 FORT BEND COUNTY, TEXAS 77404  
 DATE: 4/16/15  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]



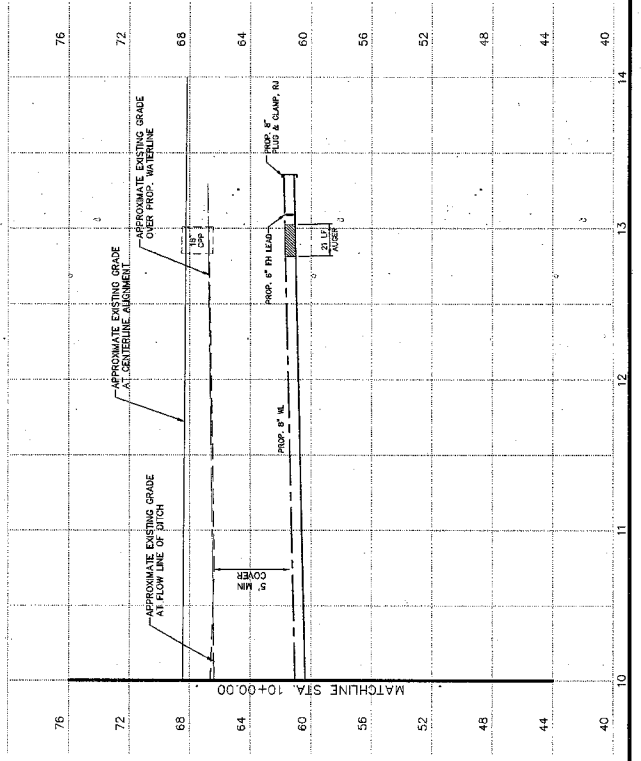
**JACOBS**  
 8800 KENNEDY ROAD  
 FORT WORTH, TEXAS 76116  
 PHASE II  
 WATERLINE IMPROVEMENTS

LAUREL STREET  
 STA. 10+00.00 TO STA. 14+00.00

DATE	1-1-15	SHEET	15
BY	JAC	NO.	
CHK	JAC	OF	15
APP	JAC	DATE	
DES	JAC	BY	
DRW	JAC	CHK	
SCALE		PROJECT	C2132
PROJECT		NO.	
NO.		DATE	



LAUREL STREET



4/16/15  
 JAC  
 PROJECT COORDINATOR  
 FORT BEND COUNTY



**PROJECT BENCHMARK:**  
 RGS DESIGNATION: M-B88  
 EAST DALLAS ROAD  
 10-00.00 TO STA. 0+00.00  
 (SEE DRAWING 21-A)

1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
2. PRE-CONSTRUCTION CONDITIONS OR BETTER
3. PRE-PROPOSALS TO BE INSTALLED 3' OFF
4. ALL WATERSHED CROSSING COUNTY STREETS, INCLUDING LEADS, SHALL BE AMENDED AT LEAST 5' CLEAR WIDTH OF PAVEMENT.

**NOTICES:**

1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
2. PRE-CONSTRUCTION CONDITIONS OR BETTER
3. PRE-PROPOSALS TO BE INSTALLED 3' OFF
4. ALL WATERSHED CROSSING COUNTY STREETS, INCLUDING LEADS, SHALL BE AMENDED AT LEAST 5' CLEAR WIDTH OF PAVEMENT.

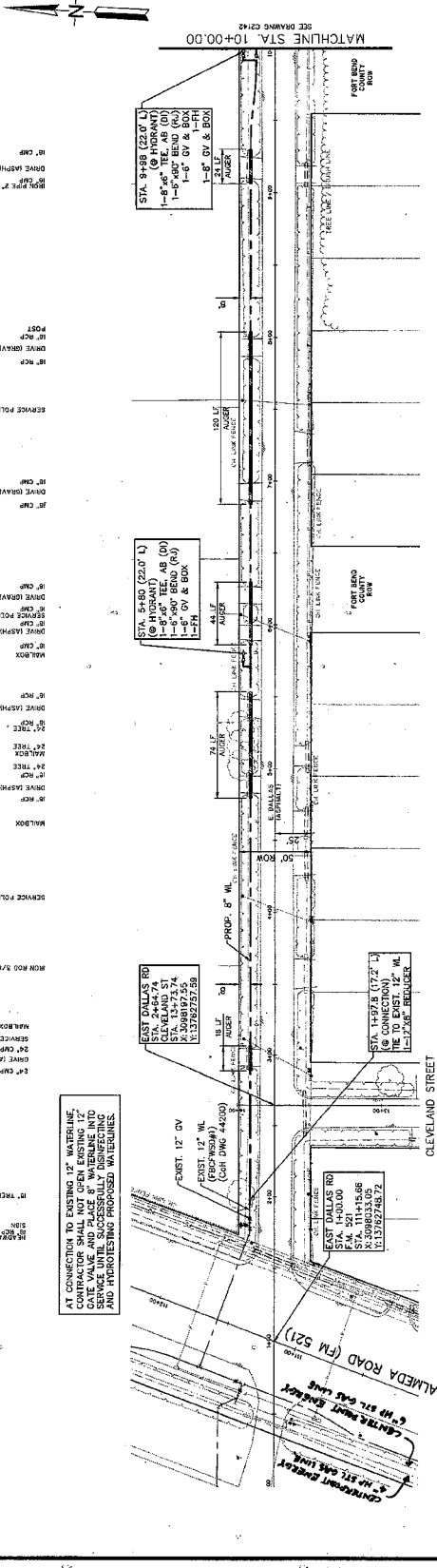
NO.	DESCRIPTION	DATE	DRW.	CHK.
1	ISSUED FOR CONSTRUCTION	09/11/2022		
2	REVISED	09/12/2022		
3	REVISED	09/13/2022		
4	REVISED	09/14/2022		
5	REVISED	09/15/2022		
6	REVISED	09/16/2022		
7	REVISED	09/17/2022		
8	REVISED	09/18/2022		
9	REVISED	09/19/2022		
10	REVISED	09/20/2022		

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

**NOTICE:**  
 If you need any information on this plan, please contact the design engineer at the address below. This information is provided for your convenience only. The design engineer is not responsible for the accuracy of this information.

**VERIFICATION OF PRIVATE UTILITY LINES:**  
 The Designer warrants that the information shown on this plan was obtained by field investigation and/or other reliable means. The Designer does not warrant the accuracy or completeness of the information shown on this plan. The Designer shall not be held liable for any errors or omissions on this plan.

FOR BURIED UTILITY INFORMATION  
 TWO (2) BUSINESS DAYS  
 BEFORE ANY EXCAVATION.  
 (OR) 1-800-468-6868 (TOLL FREE)  
 (OR) 1-800-468-8344 (LIVE HELP 811)  
 UTILITY INFORMATION ONE CALL  
 www.bestcall811.com



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

**NOTICE:**  
 If you need any information on this plan, please contact the design engineer at the address below. This information is provided for your convenience only. The design engineer is not responsible for the accuracy of this information.

**VERIFICATION OF PRIVATE UTILITY LINES:**  
 The Designer warrants that the information shown on this plan was obtained by field investigation and/or other reliable means. The Designer does not warrant the accuracy or completeness of the information shown on this plan. The Designer shall not be held liable for any errors or omissions on this plan.

NO.	DESCRIPTION	DATE	DRW.	CHK.
1	ISSUED FOR CONSTRUCTION	09/11/2022		
2	REVISED	09/12/2022		
3	REVISED	09/13/2022		
4	REVISED	09/14/2022		
5	REVISED	09/15/2022		
6	REVISED	09/16/2022		
7	REVISED	09/17/2022		
8	REVISED	09/18/2022		
9	REVISED	09/19/2022		
10	REVISED	09/20/2022		

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

**NOTICE:**  
 If you need any information on this plan, please contact the design engineer at the address below. This information is provided for your convenience only. The design engineer is not responsible for the accuracy of this information.

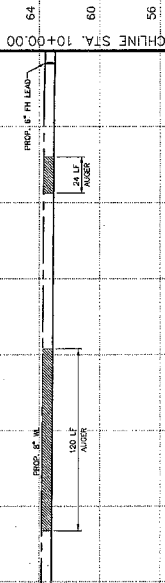
**VERIFICATION OF PRIVATE UTILITY LINES:**  
 The Designer warrants that the information shown on this plan was obtained by field investigation and/or other reliable means. The Designer does not warrant the accuracy or completeness of the information shown on this plan. The Designer shall not be held liable for any errors or omissions on this plan.

NO.	DESCRIPTION	DATE	DRW.	CHK.
1	ISSUED FOR CONSTRUCTION	09/11/2022		
2	REVISED	09/12/2022		
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5	REVISED	09/15/2022		
6	REVISED	09/16/2022		
7	REVISED	09/17/2022		
8	REVISED	09/18/2022		
9	REVISED	09/19/2022		
10	REVISED	09/20/2022		

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

**NOTICE:**  
 If you need any information on this plan, please contact the design engineer at the address below. This information is provided for your convenience only. The design engineer is not responsible for the accuracy of this information.

**VERIFICATION OF PRIVATE UTILITY LINES:**  
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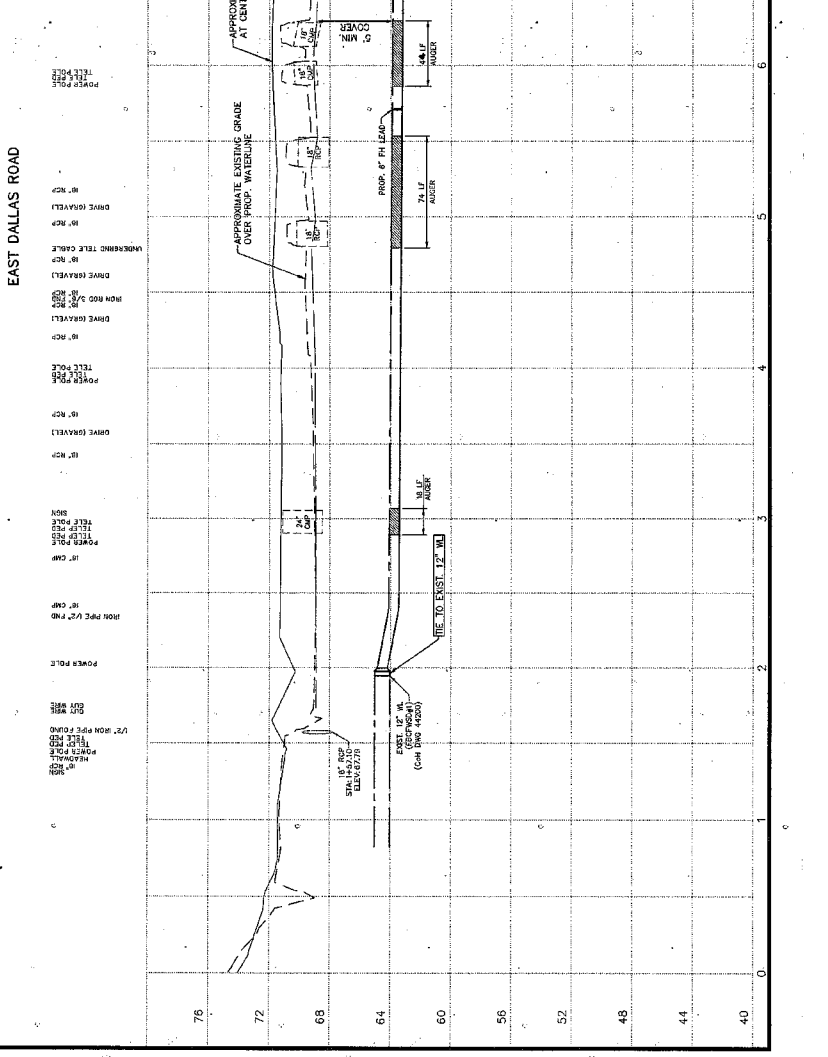


**JACOBS**  
 5905 RIVERSIDE ROAD  
 FORT WORTH, TEXAS 76133-2190  
 PHASE I - WATERLINE IMPROVEMENTS

**FORT BEND COUNTY PRESIDENT**  
 SUPPLY DISTRICT NO. 1  
 1100 MAIN STREET, SUITE 200  
 FORT BEND COUNTY, TEXAS 78103-3211

**EAST DALLAS ROAD**  
 STA. 0+00.00 TO STA. 10+00.00

PROJECT NO. W0207514  
 DATE: 09/11/2022  
 SCALE: AS SHOWN  
 SHEET NO. 16  
 OF 66



STATION	DESCRIPTION
0+00	START OF ROAD
1+00	12\"/>
2+00	12\"/>
3+00	12\"/>
4+00	12\"/>
5+00	12\"/>
6+00	12\"/>
7+00	12\"/>
8+00	12\"/>
9+00	12\"/>
10+00	MATCHLINE STA. 10+00.00







FOR WIND UPPLY INFORMATION  
CONTACT US AT 1-800-495-4334  
OR 1-800-545-4003 (TOLL FREE)  
OR 1-800-689-8314 (LIVE SERVICE)  
WWW.1818.COM

PROJECT BENCHMARK  
AS DESIGNATED BY SPS  
MATERIAL SHALL BE 18 FEET EAST OF  
WEST END OF SOUTH CONCRETE CURBLINE OF ASH ST. THE  
CORNER POINT SHALL BE APPROXIMATELY 10 FEET EAST OF THE  
CROSSING OF DALLAS RD. THE 18 FEET MEASUREMENT OF THE  
ELEVATION TO 10 FEET (NAD 83)

- NOTES:
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  - CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL CONDITION OR BETTER UNLESS NOTED OTHERWISE.
  - PIPE HYPHONS TO BE INSTALLED 3" OFF
  - ALL WATERLINES CROSSING COUNTY STREETS, HIGHWAYS AND DRAINAGE CANALS SHALL BE 5' EACH SIDE OF PAVEMENT ADJACENT AT LEAST UNLESS OTHERWISE NOTED OTHERWISE.
  - WATERLINES ARE ANTICIPATED TO EAST MARK LOCATION OF THE WATERLINES ARE UNKNOWN AROUND THESE VALVES IN ORDER TO KEEP THEM IN OPERATION.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CERTAINTEC AT 753-297-2222. NOTICE: (THIS NOTICE IS REQUIRED BY STATE LAW TO AVOID LITIGATION AND IS NOT TO BE CONSIDERED AS AN OFFER OF INSURANCE OR FINANCIAL PRODUCT. THE VERIFICATION DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION.)

VERIFICATION OF PRIVATE UTILITY LINES  
Date: 4/14/14  
By: [Signature]  
Title: [Title]

NO.	DESCRIPTION	DATE	DN.	LOC.

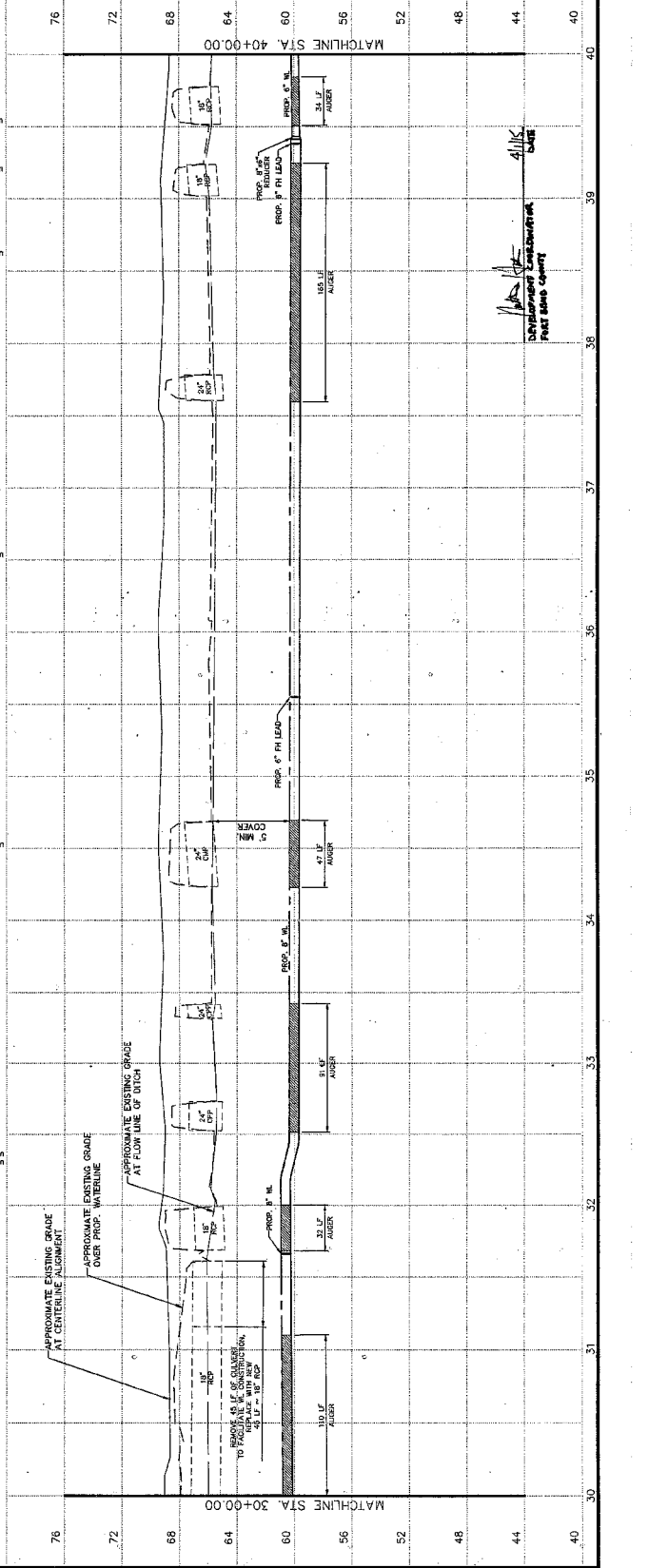
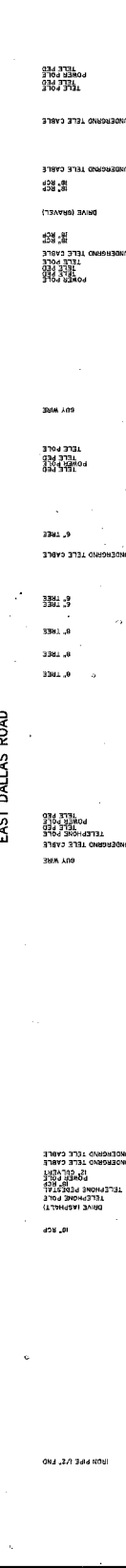
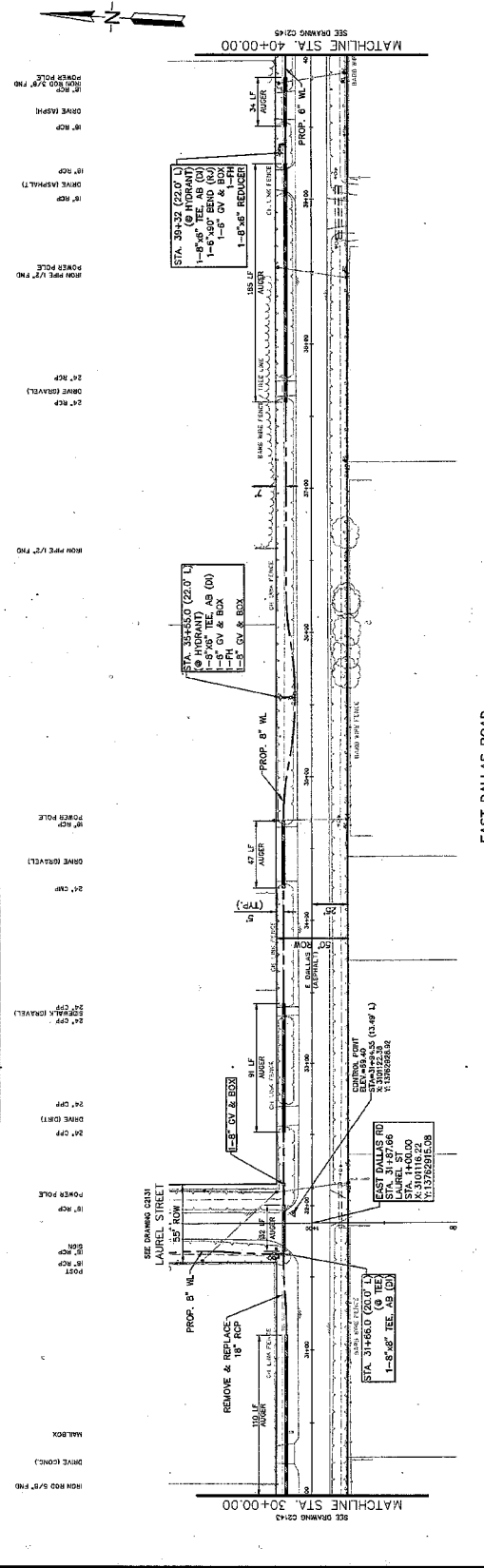


JACOBS ENGINEERING GROUP, INC.  
10000 DALLAS ROAD  
HOUSTON, TEXAS 77037

FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1  
WATERLINE IMPROVEMENTS

EAST DALLAS ROAD  
STA. 30+00.00 TO STA. 40+00.00

NO.	DATE	SHEET
1	APRIL 2014	19





FOR BIDDING INFORMATION  
 THIS PLAN IS SUBJECT TO THE  
 TERMS AND CONDITIONS OF THE  
 SOW. CALL THE CALL R11  
 BEFORE YOU CALL R11  
 (OR 1-800-545-6005 TransR11)  
 (OR 1-800-545-6005 Lane Star #11)  
 FOR ADDITIONAL ONE CALL  
 INFORMATION CALL ONE CALL  
 www.onecall.com  
 www.lonestar11.com

**PROJECT BENCHMARKS**  
 ALL BENCHMARKS SHALL BE  
 EXISTING UNLESS NOTED OTHERWISE.  
 BENCHMARKS SHALL BE SET IN  
 CONCRETE OR BRASS AND SHALL BE  
 SET IN A PERMANENT LOCATION  
 APPROXIMATELY 3 FEET EAST OF THE  
 CENTERLINE OF THE ROAD AND  
 APPROXIMATELY 3 FEET EAST OF THE  
 CENTERLINE OF DALLAS ST.  
 ELEVATION TO TOP OF BENCH MARK

- NOTES:**
1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  2. CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL CONDITIONS OR BETTER UNLESS NOTED OTHERWISE.
  3. FIRE HYDRANTS TO BE INSTALLED 3' OFF
  4. ALL WATERLINES CROSSING COUNTY STREETS SHALL BE MAINTAINED AND MARKED AT LEAST 5' EACH SIDE OF PAVEMENT.

**TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED CALL ONE CALL AT 752-8122**

**NOTICE:**  
 No part of this drawing shall be used for any other project without the written consent of the City of Dallas. The City of Dallas does not warrant the accuracy of this drawing for any other project.

**VERIFICATION OF PRIVATE UTILITY LINES**

*[Signature]* Date: 4/18/15

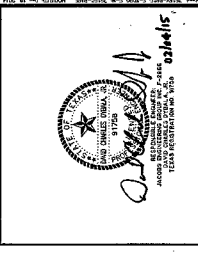
Professional Engineer/Professional Land Surveyor ONLY  
 (This signature is valid only for the project and location indicated on this drawing. It is not valid for any other project or location.)  
 (Professional Engineer License No. 31913) (Professional Land Surveyor License No. 4415)

**DATE:** 4/18/15

**BY:** *[Signature]*

**PROJECT:** EAST DALLAS ROAD

NO.	DESCRIPTION	DATE	CHK.	APP.
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

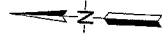


**JACOBS**  
 FORT BEND COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 HOUSTON, TEXAS 77072  
 PHONE: 281.331.1000

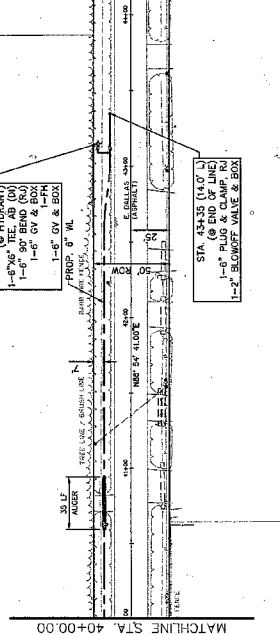
PHASE II -  
 WATERLINE IMPROVEMENTS

**EAST DALLAS ROAD**  
 STA. 40+00.00 TO STA. 44+00.00

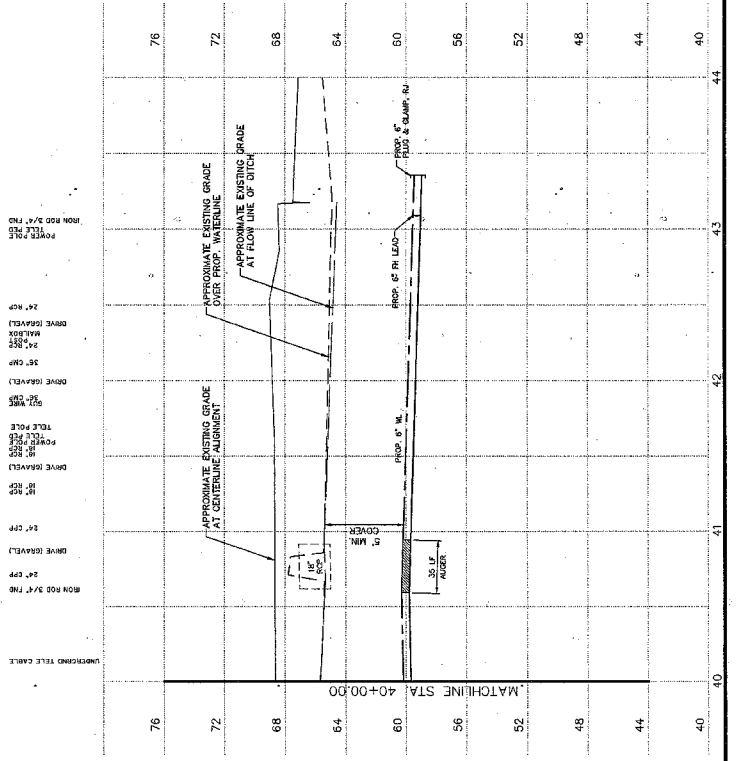
PROJECT NO.: MAREK214  
 DATE: APRIL 2014  
 DRAWN BY: J. BOCKEMEYER  
 CHECKED BY: C. BOCKEMEYER  
 SUBSET: 20 OF 69  
 SHEET NO.: C2145



- CONC MONUMENT
- SURF
- POWER POLE
- DRIVE GRAVEL
- DRIVE GRAVEL
- DRIVE GRAVEL
- UNDERGROUND TELE. CABLE



**EAST DALLAS ROAD**



*[Signature]* DATE: 4/18/15

*[Signature]* DATE: 4/18/15

PROJECT BENCHMARK  
 POINT BOUND TO BE MAINTAINED

**811**  
FOR BURIED UTILITY INFORMATION  
BEFORE YOU DIG CALL 811  
TWO (2) BUSINESS DAYS  
BEFORE YOU DIG CALL 811  
FOR BURIED UTILITY INFORMATION  
CALL 811  
FOR BURIED UTILITY INFORMATION  
CALL 811

**FOR BURIED UTILITY INFORMATION**  
BEFORE YOU DIG CALL 811  
TWO (2) BUSINESS DAYS  
BEFORE YOU DIG CALL 811  
FOR BURIED UTILITY INFORMATION  
CALL 811  
FOR BURIED UTILITY INFORMATION  
CALL 811

**NOTICE TO CONTRACTOR**  
CONTRACTOR SHALL PROVIDE ACCESS TO ADJACENT PROPERTIES AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND UTILITIES.

**VERIFICATION OF PRIVATE UTILITY LINES**  
CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL PRIVATE UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND UTILITIES.

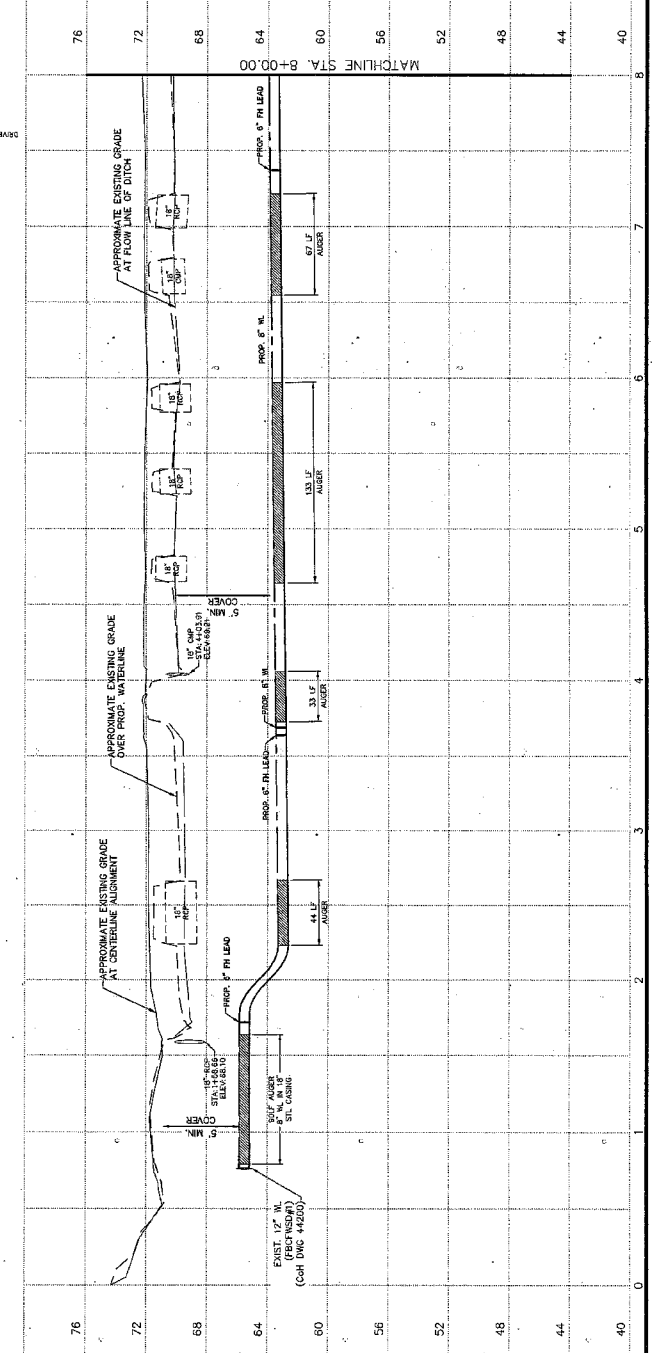
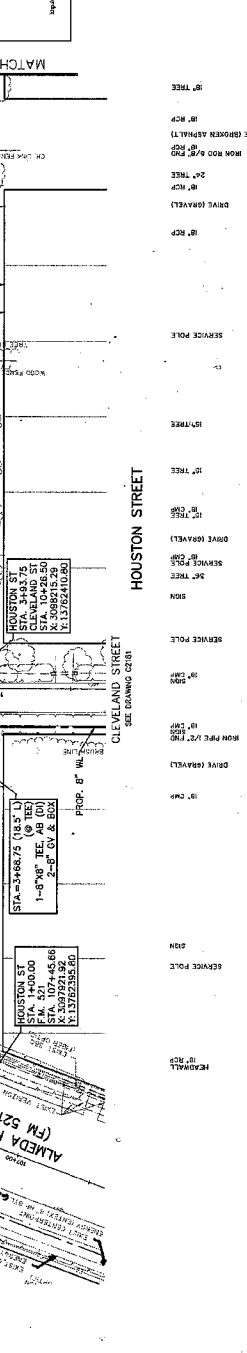
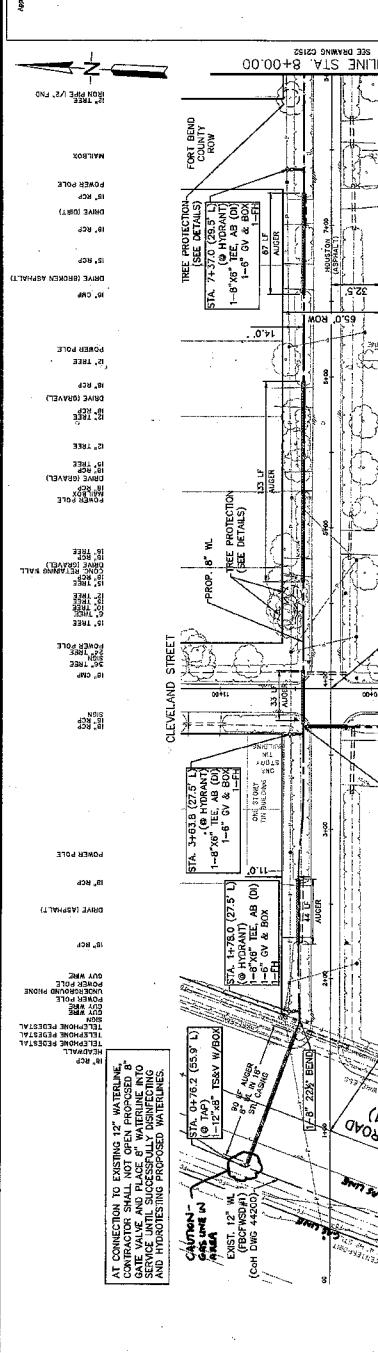
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**JACOBS**  
1885 BROADWAY ROAD  
HOUSTON, TEXAS 77056  
PHASE II  
WATERLINE IMPROVEMENTS

**HOUSTON STREET**  
STA. 0+00.00 TO STA. 8+00.00  
SHEET 21 OF 23  
DATE: 11-14-07  
PROJECT: WATERLINE IMPROVEMENTS



**AT CONNECTION TO EXISTING 12" WATERLINE,**  
CONTRACTOR SHALL PROVIDE ACCESS TO ADJACENT PROPERTIES AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND UTILITIES.

**NOTICE TO CONTRACTOR**  
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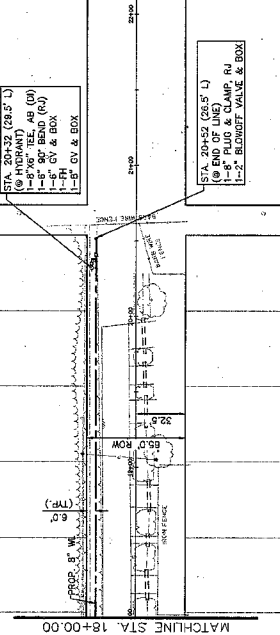
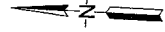


FOR BUREAU UTILITY INFORMATION  
TWO (2) BUSINESS DAYS  
BEFORE YOU DIG CALL 811  
FOR A FREE UTILITY LOCATION SERVICE  
OR 1-800-485-5844 (Line Size 811)  
UTILITY INFORMATION ONE CALL  
www.onecall811.com

THIS OFFICE DESIGNATION  
WAS DESIGNATED IN 1986

ONE FOOT TO TOP AND APPROXIMATELY 1.8 FEET DEPTH OF  
UTILITY LINES ARE IDENTIFIED BY A BELL AND HOWELL  
COURTESY OF STATE ROUTE 610 AND 10 FEET SOUTH OF THE  
CENTERLINE OF STATE ROUTE 610 AND 10 FEET SOUTH OF THE  
ELEVATION TO TOP FEET (NO. 01)

- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
- AT ALL TIMES, SMALL SETBACK DISTANCES TO  
NEARBY STRUCTURES SHALL BE MAINTAINED OR BETTER
- FIRE HYDRANTS TO BE INSTALLED 3' OFF  
PAVEMENT UNLESS NOTED OTHERWISE
- INCLUDING LEADS, SHALL BE ADHERED AT LEAST  
5' EACH SIDE OF PAVEMENT.



HOUSTON STREET

NO.	DESCRIPTION	DATE	TYPE	CHK.
1	1-8" HYDRANT			
2	1-8" FLOW & CLAMP			
3	1-8" FLOW & CLAMP			
4	1-2" BLOWOFF VALVE & BOX			
5	1-5" CV & BOX			
6	1-5" CV & BOX			

TO ARRANGE FOR LINES TO BE TURNED OFF OR  
MOVED CALL CENTERPOINT ENERGY AT 713-297-2222

**NOTICE:**  
Contractor shall verify the location of all utilities with the  
utility owners prior to excavation. This verification step  
is required by the City of Houston. (See section 10.2.1.10)

VERIFICATION OF PRIVATE UTILITY LINES

Date: 4/15/15  
4/22/15  
4/15/15  
4/15/15  
4/15/15

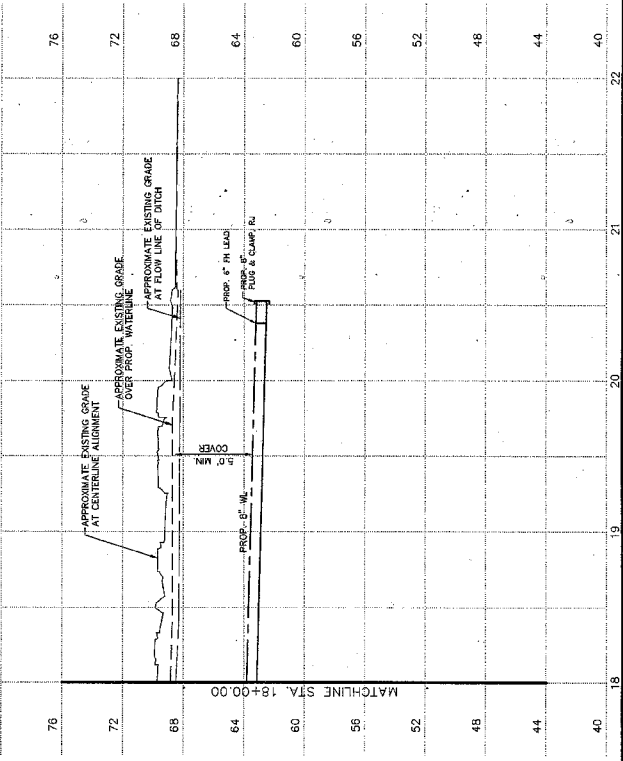


**JACOBS**  
1580 ROCKSIDE ROAD  
HOUSTON, TX 77050  
TEL: 713.865.5400

PORT BEACH COUNTY WASTEWATER  
SUPPLY DISTRICT NO. 1  
PHASE 3  
WATERLINE IMPROVEMENTS

HOUSTON STREET  
STA. 18+00.00 TO STA. 22+00.00

PROJECT NO. WPD0151  
DATE: APR. 2014  
DRAWN BY: J. GALLEGOS  
CHECKED BY: G. BROWN  
SHEET 23 OF 35  
C2153



4/15/15  
PROJECT COORDINATOR  
PORT BEACH COUNTY

**811**

FOR BURIED UTILITY INFORMATION  
 TWO (2) BUSINESS DAYS  
 BEFORE YOU DIG CALL 811  
 (800) 368-5848 (TOLL FREE)  
 (OR) 1-800-568-5844 (LOCAL)  
 UTILITY INFORMATION ONE CALL  
 www.onecall.org  
 www.811.org

PROVIDE LOCATION OF ALL UTILITIES TO BE EXPOSED IN 48 HOURS BEFORE THE START OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES.

TO ARRANGE FOR LINES TO BE TUNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 715-207-2222

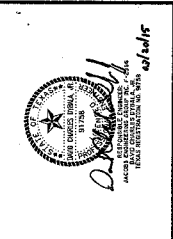
**NOTICE:**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES.

**VERIFICATION OF PRIVATE UTILITY LINES**

DATE: 4/16/15

BY: [Signature]

DATE	DESCRIPTION	DATE	DESCRIPTION

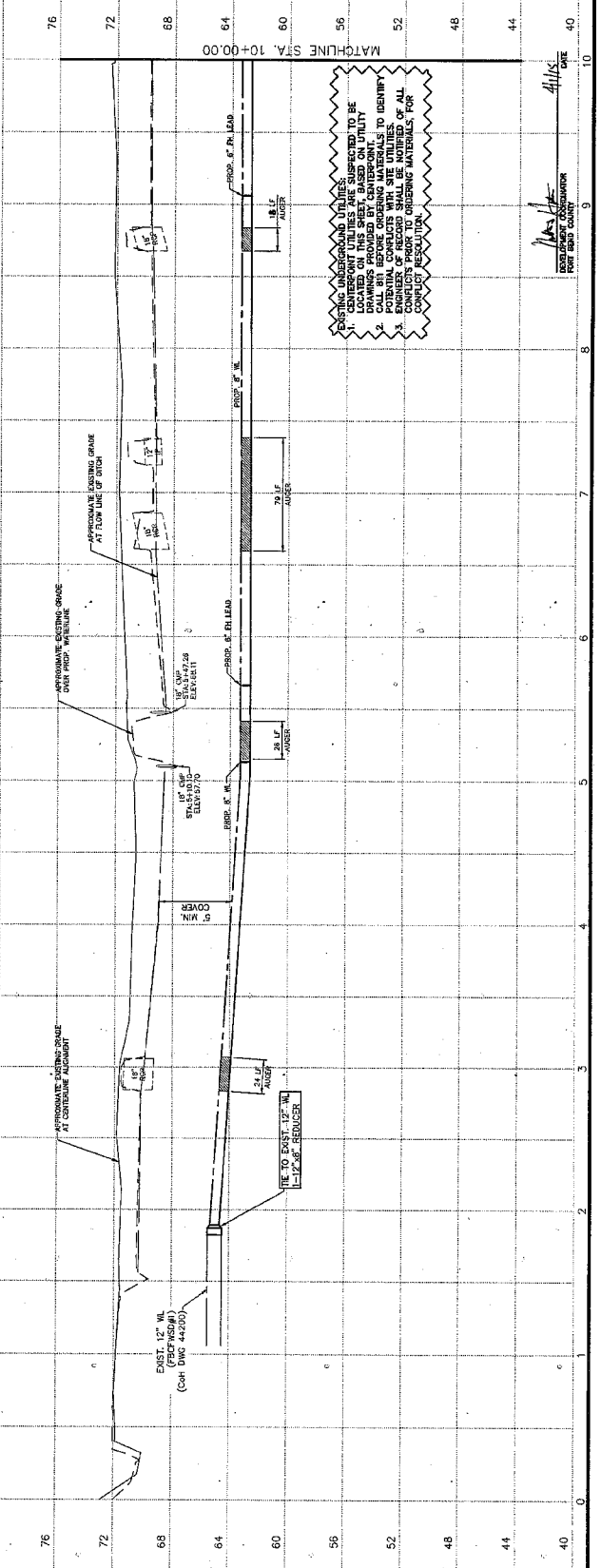
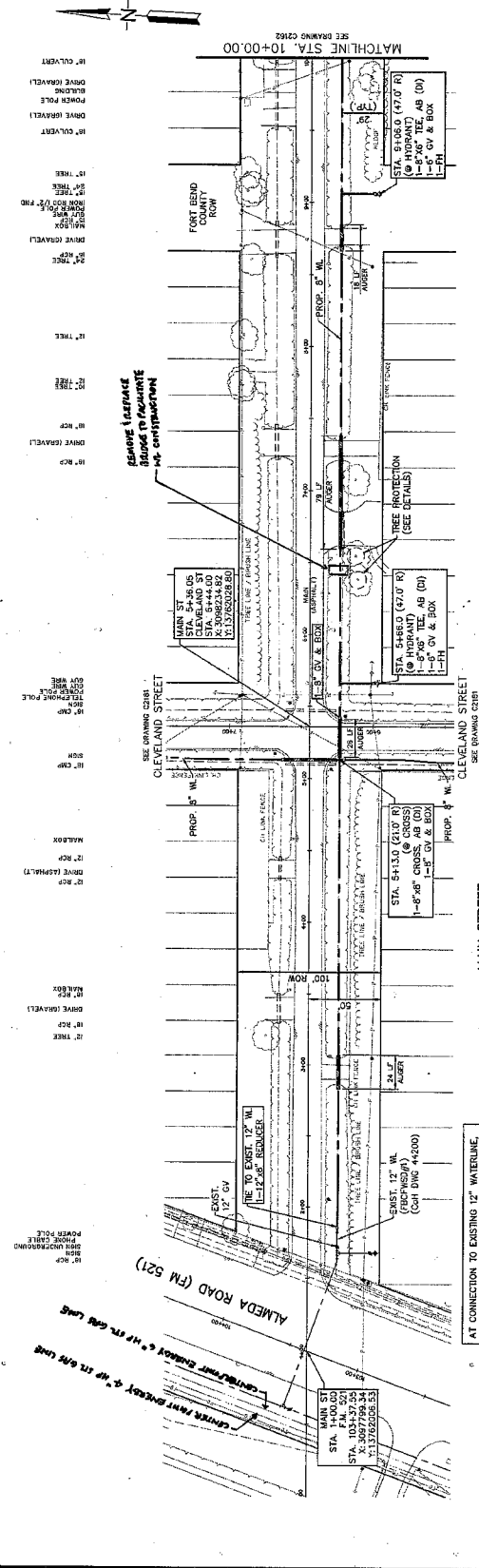


**JACOBS**  
 6906 ROCKWELL ROAD  
 FORT WORTH, TEXAS 76116  
 PHONE: 817.331.9900  
 FAX: 817.331.9902

PHASE II - WATERLINE IMPROVEMENTS

MAIN STREET  
 STA. 10+00.00 TO STA. 10+00.00

PROJECT NO. W0072514  
 SHEET NO. 1 OF 47  
 DATE: APR 2014  
 DRAWN BY: J. JACOBS  
 CHECKED BY: J. JACOBS  
 PROJECT: C2161  
 OF 88



**EXISTING UNDERGROUND UTILITIES ARE SUSPECTED TO BE PRESENT IN THE AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL UTILITIES AND OBTAINING THE NECESSARY PERMITS AND RECORDS BEFORE ORDERING MATERIALS TO IDENTIFY ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND RECORDS BEFORE ORDERING MATERIALS TO IDENTIFY ALL UTILITIES.**

AT CONNECTION TO EXISTING 12" WATERLINE CONTRACTOR SHALL NOT OPEN EXISTING 12" GATE VALVE AND PLACE 6" WATERLINE INTO GATE VALVE AND PLACE 6" WATERLINE INTO AND HYDROTESTING PROPOSED WATERLINES.







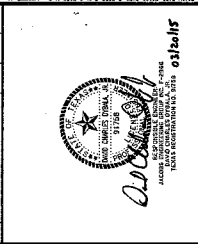
FOR BURIED UTILITY INFORMATION  
 TWO (2) BUSINESS DAYS  
 (800) 485-8111  
 (OR) 1-800-558-8111  
 (OR) 1-800-558-8144 (Long Star 811)  
 811 is a free service. For more information, call  
 811 or visit our website at www.811.com

**PROJECT BACKGROUND:**  
 THIS PROJECT IS A 10-FEET BROADENING OF THE WEST SIDE OF GAYNOR STREET FROM STA. 64+00 TO STA. 11+00. THE PROPOSED ROADWAY IS APPROXIMATELY 30 FEET EAST OF THE CENTERLINE OF GAYNOR STREET.  
**NOTES:**  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES  
 2. CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL GRADE UNLESS NOTED OTHERWISE  
 3. FIRE HYDRANTS TO BE INSTALLED 3' OFF GROUND  
 4. ALL WALKWAYS CROSSING COUNTY STREETS, SHALL BE ADJACENT AT LEAST 5' EACH SIDE OF PAVEMENT

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTRAL NOTICE AT 713-267-2222. This service is provided by Central Notice, Inc. (11111) at 713-267-2222. This service is provided by Central Notice, Inc. (11111) at 713-267-2222. This service is provided by Central Notice, Inc. (11111) at 713-267-2222.

DATE: 4/11/15  
 DRAWN BY: J. GORDON  
 CHECKED BY: M. GORDON  
 DATE: 4/11/15

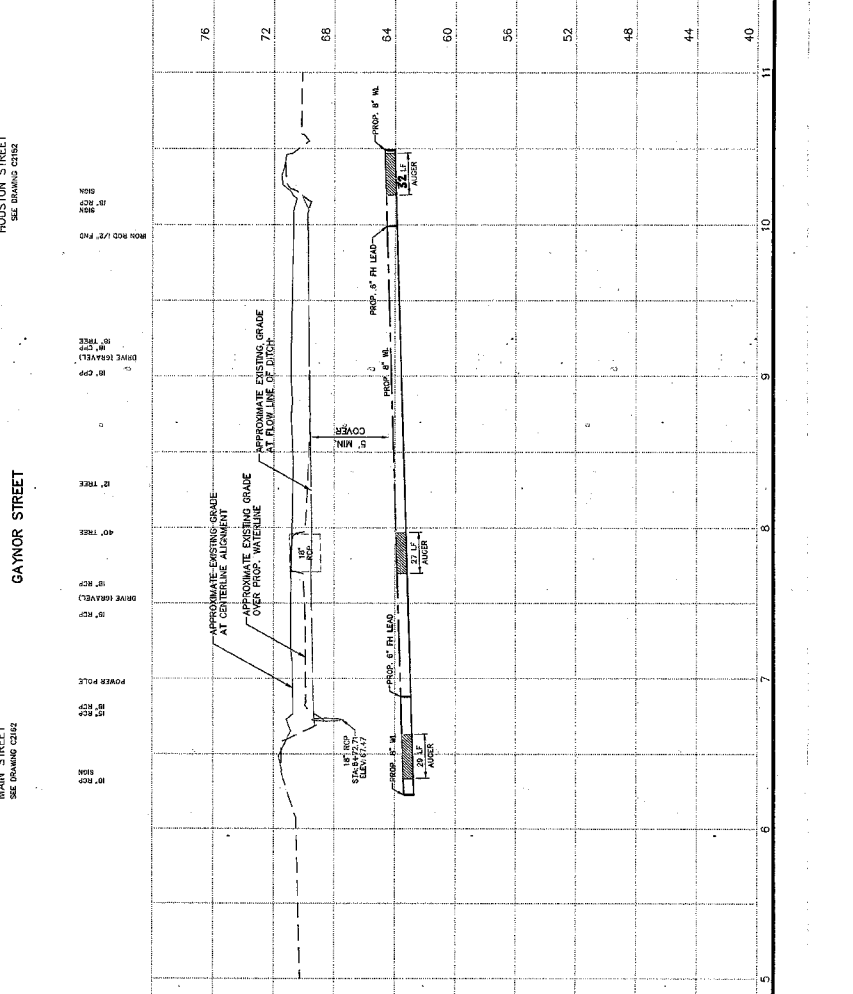
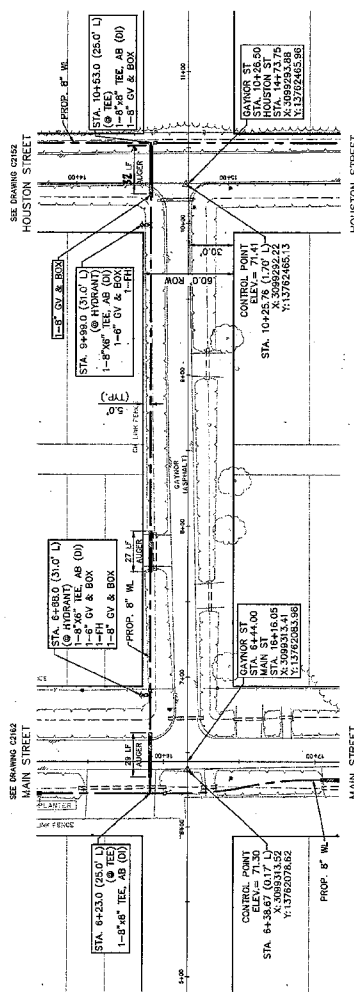
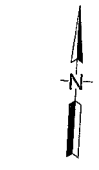
NO.	DESCRIPTION	DATE	ENR.	CNK.



**JACOBS**  
 1200 WEST AVE.  
 HOUSTON, TEXAS 77028  
 (713) 861-1000  
 www.jacobs.com

**PEARLAND**  
 FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1  
 WATERLINE IMPROVEMENTS

GAYNOR STREET  
 STA. 5+00.00 TO STA. 11+00.00  
 SHEET NO. 27 OF 88  
 DATE: 4/11/15



NO.	DESCRIPTION	DATE	ENR.	CNK.

DATE: 4/11/15  
 PROJECT NO. 15-0015-01  
 SHEET NO. 27 OF 88  
 DATE: 4/11/15  
 PROJECT NO. 15-0015-01  
 SHEET NO. 27 OF 88



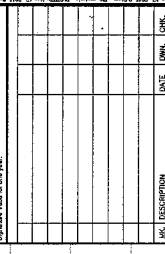
FOR BUREAU ONLY INFORMATION  
 TWO (2) BUSINESS DAYS  
 BEFORE YOU DIG CALL 811  
 SERVICE: 1-800-485-5111  
 OR 1-504-885-8144 (toll-free Star 811)  
 FULLY INFORMATION ONE CALL  
 www.811.com

**PROTECT BENCHMARK**  
 HAS BEEN DESIGNATED "N 1688"  
 AND IS TO BE PROTECTED BY THE  
 WEST LINE OF ADJACENT PROPERTY. THE BENCHMARK IS TO BE PROTECTED BY  
 A 6" DIA. CONCRETE PIPE WITH A 4" DIA. HOLE. THE BENCHMARK IS TO BE  
 CENTERED ON THE 6" DIA. CONCRETE PIPE AND IS TO BE PROTECTED BY THE  
 ELEVATION TO TOP OF PIPE (EATOP) IS 10.00.

- NOTES:
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  - CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL CONDITION OR BETTER
  - PIPE HYDRANTS TO BE INSTALLED 3' OFF
  - ALL UTILITIES CROSSING COUNTY STREETS, INCLUDING LEADS, SHALL BE AUGERED AT LEAST 3' EACH SIDE OF PAVEMENT.

TO ARRANGE FOR LINES TO BE TURNED OFF OR  
 MOVED, CALL CENTERPOINT ENERGY AT 713-987-2222  
**NOTICE:** If this drawing is used for any purpose other than that intended hereon, the user assumes all liability for any and all consequences. The user agrees to indemnify and hold the engineer harmless for any and all consequences. (This agreement voids if the user does not sign this agreement.)  
 VERIFICATION OF PRIVATE UTILITY LINES  
 Date: 8/1/15  
 By: [Signature]

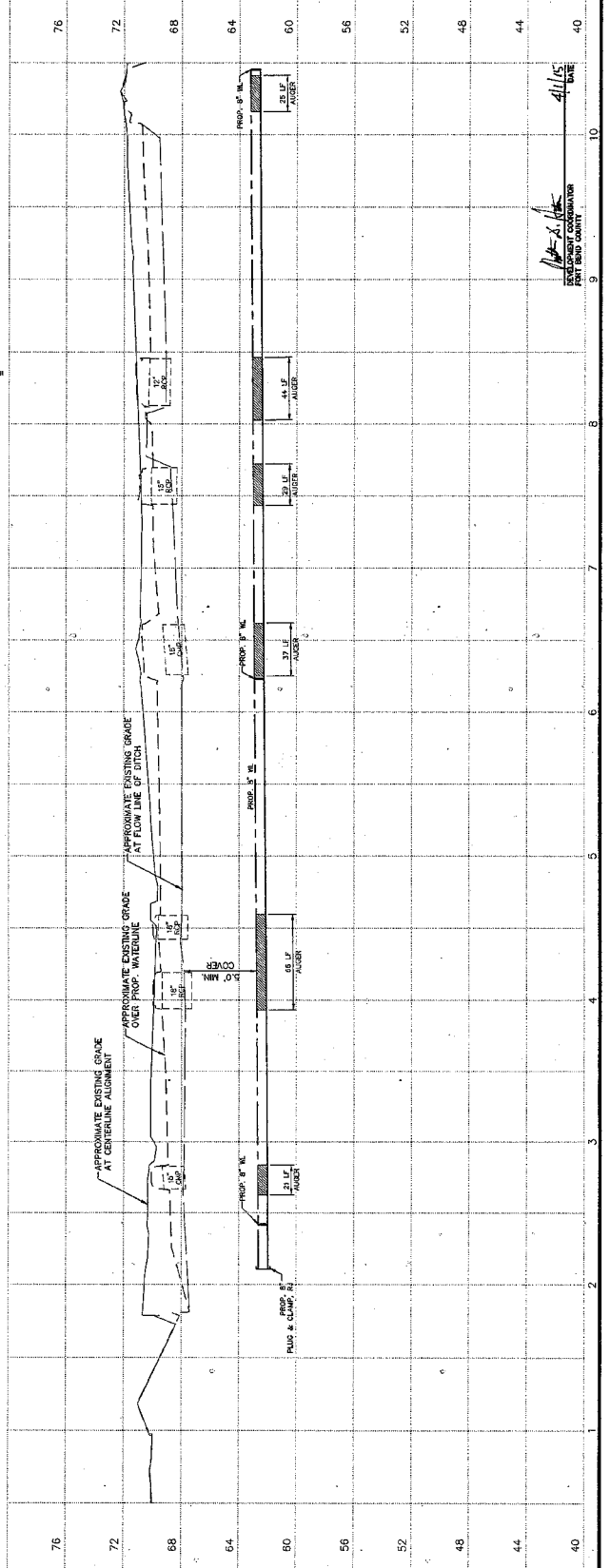
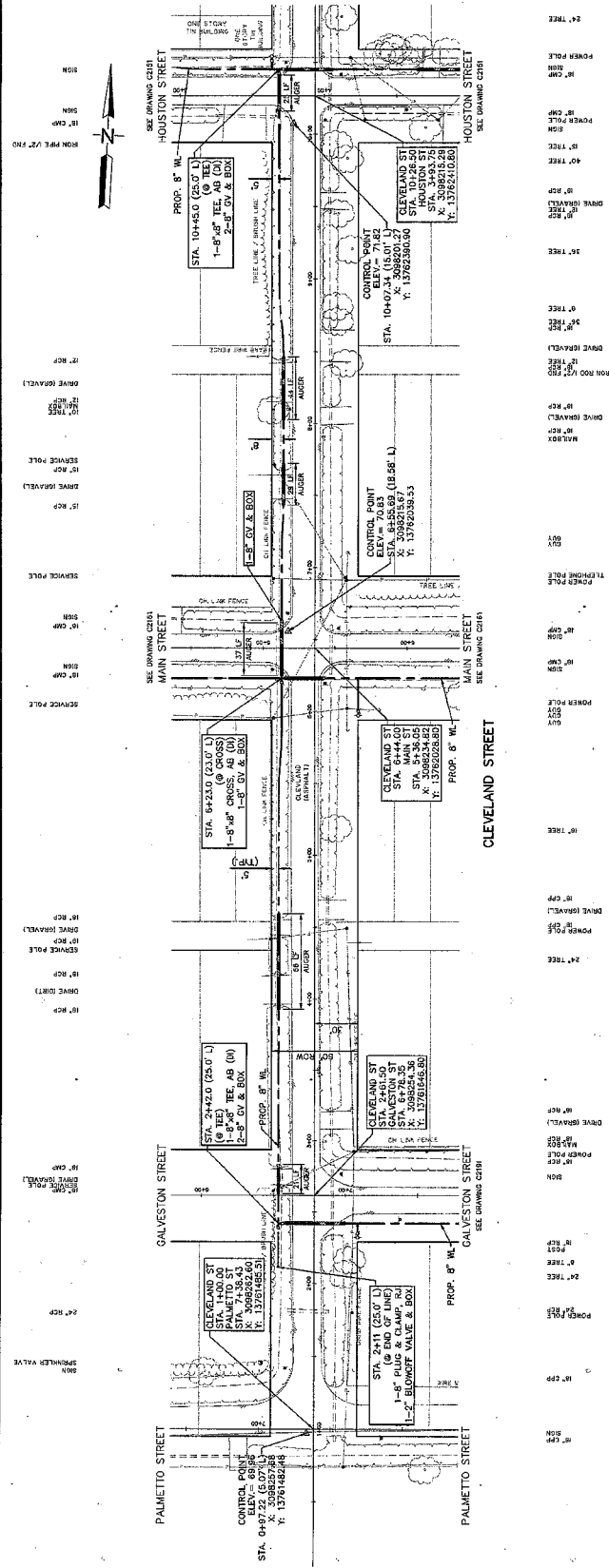
NO.	DESCRIPTION	DATE	BY	CHK.
1	ISSUED FOR PERMIT	8/1/15	[Signature]	[Signature]
2	REVISED			
3				
4				
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6				
7				
8				
9				
10				



**JACOBS**  
 5905 ROXBOROUGH ROAD  
 DALLAS, TEXAS 75248  
 PHONE: 972.372.7000  
 FAX: 972.372.7000  
 PROJECT: PORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1  
 PHASE II - WATERLINE IMPROVEMENTS

CLEVELAND STREET  
 STA. 0+00.00 TO STA. 11+00.00

PROJECT NO.	C2181
SHEET NO.	28
TOTAL SHEETS	30
DATE	8/1/15
SCALE	1" = 40'
BY	[Signature]
CHECKED BY	[Signature]
DATE	8/1/15



OUR BUNDLED BIDDING INFORMATION  
 TWO (2) BUSINESS DAYS  
 BEFORE YOU BID CALL 811  
 FOR A FREE SERVICE CALL  
 FOR 1-800-888-8844 (Landed 811)  
 UTILITY NOTIFICATION ONE CALL  
 www.onecallnj.com

**811**  
 HAS BEEN CALLED  
 THIS PROJECT HAS BEEN  
 VERIFIED FOR ALL UTILITIES  
 AND IS SAFE TO PROCEED WITH  
 CONSTRUCTION

1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES AT ALL TIMES. SMALL RETURN JACKETS TO PRE-CONSTRUCTION CONDITIONS OR BETTER.
2. FIRE HYDRANTS TO BE INSTALLED 3' OFF ROAD-WAY UNLESS NOTED OTHERWISE. INCLUDING LEADS, SHALL BE ASSESS AT LEAST 5' DIAM. SIZE OF PAVEMENT.

TO ADVISE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPHONE ENERGY AT 713-297-2222.  
**NOTICE:**  
 This Agreement with you shall remain in full force and effect until the project is completed. The verification does not guarantee the accuracy of the utility information provided. The contractor shall be responsible for any damage to utilities during construction.

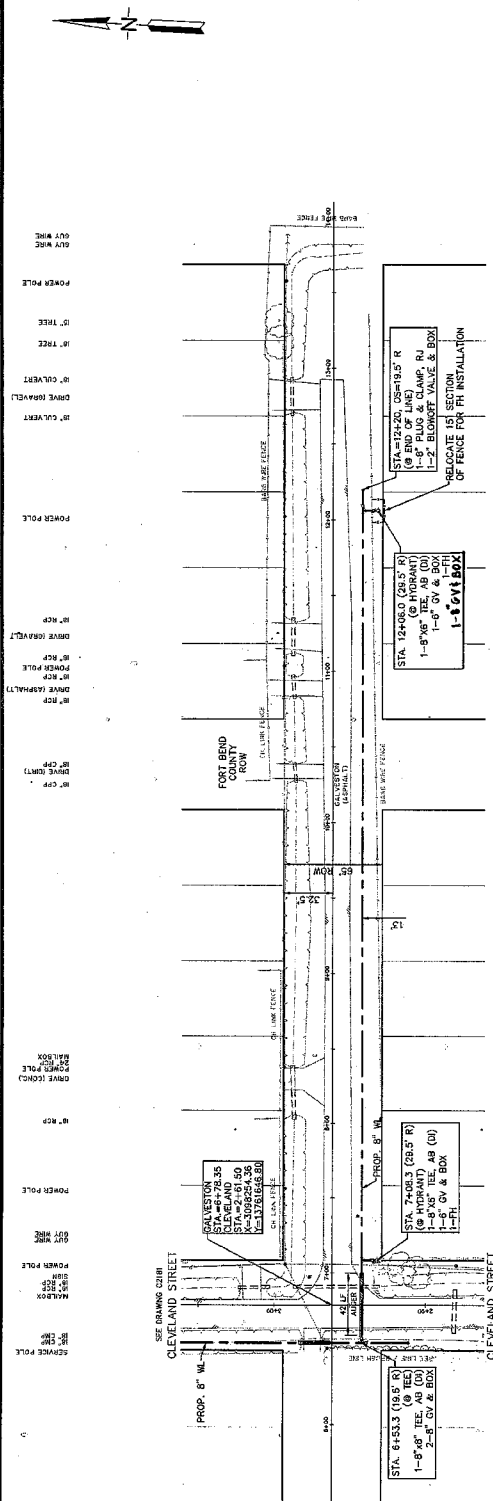
**VERIFICATION OF PRIVATE UTILITY LINES**  
 DATE: 4/6/18  
 TIME: 4:45  
 LOCATION: GALVESTON STREET, STA. 14+00 TO STA. 14+40.00  
 PROJECT: WATER MAIN REPLACEMENT AND WATER SUPPLY DISTRIBUTION

DATE	DESCRIPTION	DATE	TIME	CHK.

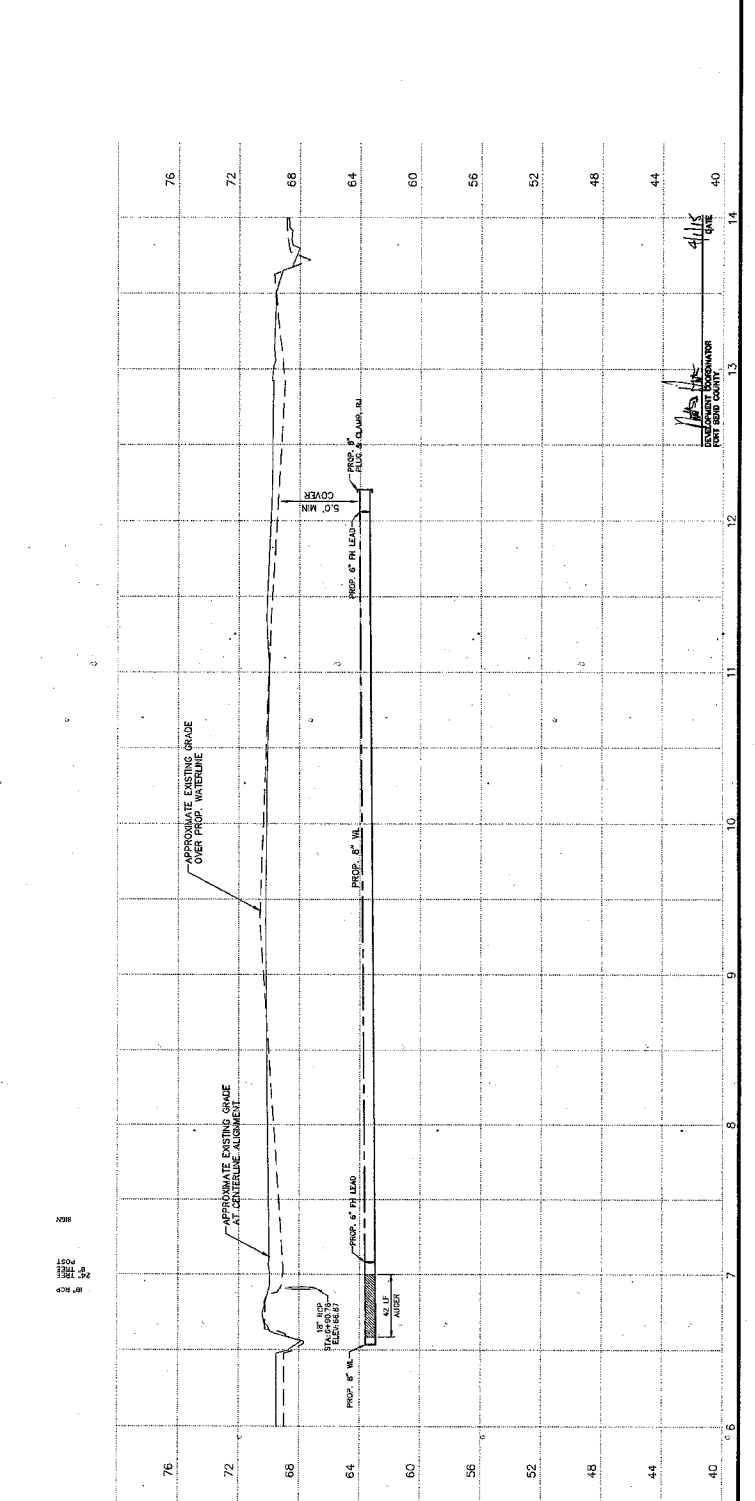


**JACOBS**  
 ENGINEERING GROUP, INC.  
 1300 HUNTERS BLVD.  
 SUITE 1000  
 HUNTSVILLE, AL 35894  
 TEL: 256.886.3300  
 FAX: 256.886.3302

FOR BIDDING PURPOSES WATER SUPPLY DISTRIBUTION PHASE II WATERLINE IMPROVEMENTS  
 GALVESTON STREET STA. 08+00.00 TO STA. 14+00.00  
 PROJECT NO. WINDYBUSH-18-001  
 DATE: APRIL 2018  
 DRAWN BY: J. J. J. J. J. J.  
 CHECKED BY: J. J. J. J. J. J.  
 PROJECT NO. WINDYBUSH-18-001  
 SHEET C2181 OF 80



GALVESTON STREET





FOR UNID UTILITY INFORMATION:  
 TWO (2) BUSINESS DAYS  
 FOR ALL OTHERS:  
 ONE (1) BUSINESS DAY (OR 1-800-361-5000 for a full service call)  
 FOR ALL OTHERS:  
 ONE (1) BUSINESS DAY (OR 1-800-361-5000 for a full service call)  
 WWW.811.COM

PROJECT DESIGNATED "18" IS BEING CONDUCTED TO IDENTIFY AND MARK ALL UNDERGROUND UTILITIES WITHIN A PROJECT AREA TO PREVENT DAMAGE TO EXISTING UTILITIES. A PROJECT AREA IS DEFINED AS THE AREA OF THE PROJECT AND THE AREAS IMMEDIATELY ADJACENT TO THE PROJECT AREA. ALL UTILITIES ARE TO BE MARKED WITH 811 PASTES AND IDENTIFICATION FLAGS AT THE TIME OF THE 811 CALL. ALL UTILITIES ARE TO BE MARKED WITH 811 PASTES AND IDENTIFICATION FLAGS AT THE TIME OF THE 811 CALL.

- NOTES:
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  - CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL GRADE UNLESS NOTED OTHERWISE
  - FIRE HYDRANTS TO BE INSTALLED 3' OFF GROUND UNLESS NOTED OTHERWISE
  - ALL WATERLINES CROSSING COUNTY STREETS, ALLEYS OR HIGHWAYS SHALL BE MARKED AT LEAST 5' EACH SIDE OF ROADWAY.

TO ARRANGE FOR UNITS TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-291-2222. For your safety, you are required to call 811 at least 48 hours before your project begins. This call will allow us to locate and mark all underground utilities in your project area.

VERIFICATION OF PRIVATE UTILITY LINES  
 The contractor shall verify the location and depth of all private utility lines. This verification shall be done by the contractor or a qualified person. The contractor shall be responsible for marking the location and depth of all private utility lines. The contractor shall be responsible for marking the location and depth of all private utility lines.

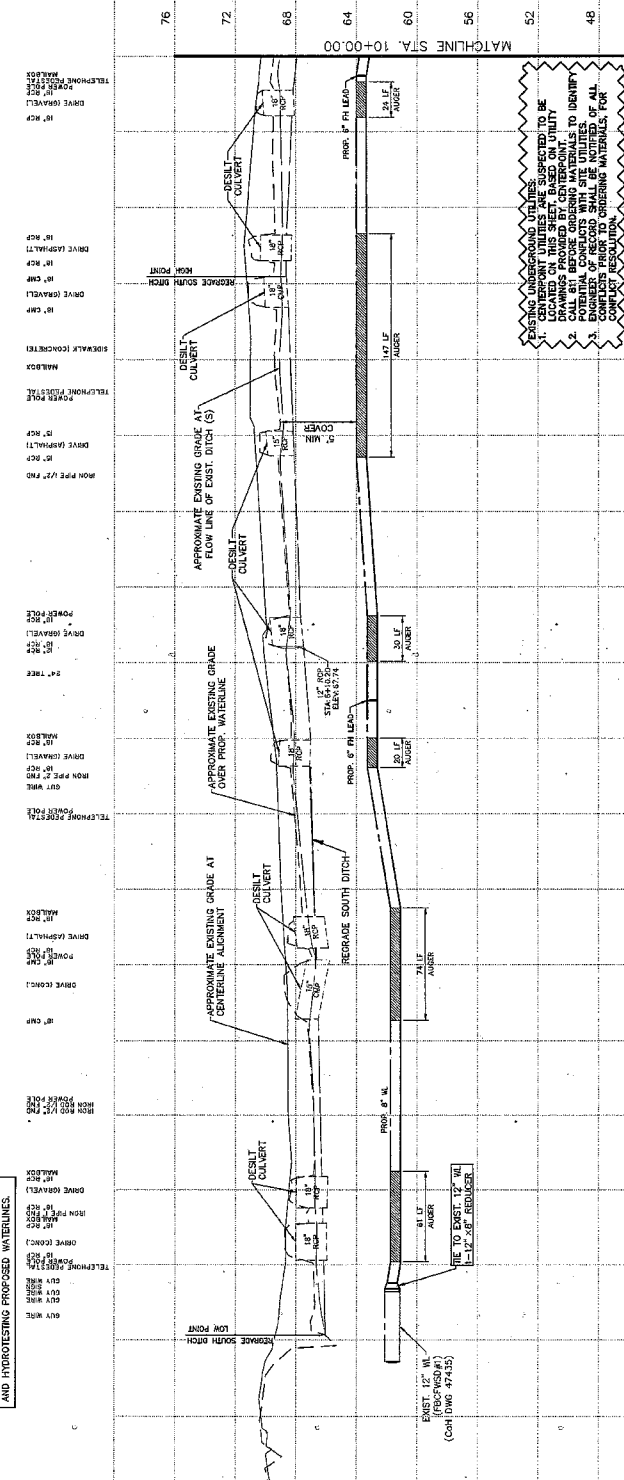
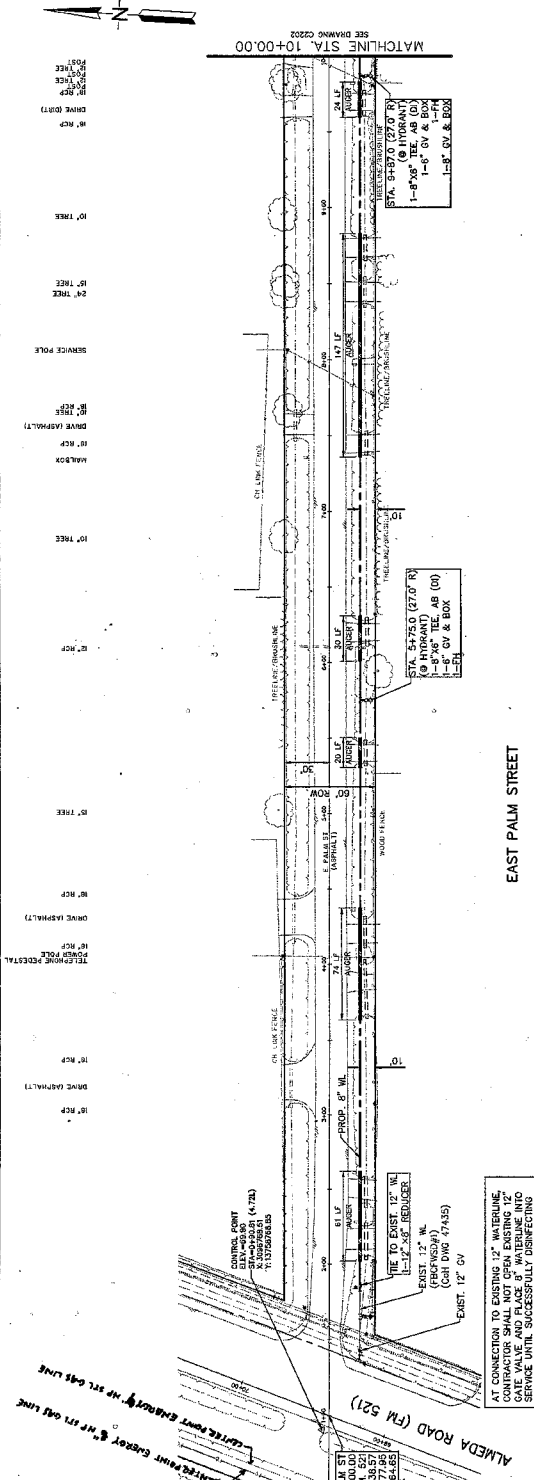
DATE: 4/11/15  
 DWG NO: 4450  
 PROJECT: EAST PALM STREET  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]

NO.	DESCRIPTION	DATE	BY	CHK.



**JACOBS**  
 8000 FORT BEND COUNTY ROAD  
 FORT BEND COUNTY, TEXAS 77429-3600  
 PHONE: 281.291.0000  
 FAX: 281.291.0000  
 PROJECT: EAST PALM STREET  
 PHASE I: WATERLINE IMPROVEMENTS

PROJECT NO.	C2201
DATE	4/11/15
DATE	4/11/15
DATE	4/11/15
DATE	4/11/15
DATE	4/11/15



STATION	ELEVATION
10+00.00	44.00
12+00.00	45.00
14+00.00	46.00
16+00.00	47.00
18+00.00	48.00
20+00.00	49.00
22+00.00	50.00
24+00.00	51.00
26+00.00	52.00
28+00.00	53.00
30+00.00	54.00
32+00.00	55.00
34+00.00	56.00
36+00.00	57.00
38+00.00	58.00
40+00.00	59.00

DATE: 4/11/15  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]



**811**  
 FOR BUREAU UNIT INFORMATION  
 TWO (2) BUSINESS DAYS  
 BEFORE THE DATE OF THE  
 UTILITY LOCATIONS SURVEY  
 (OR 1-800-554-5000 (TOLL FREE))  
 (OR 1-800-668-3244 (LONG DIST. 811))  
 UTILITY INFORMATION ONE CALL  
 www.onecall.com

**PROJECT BENCHMARK:**  
 RBS DESIGNATED 'M' 668  
 WEST END OF SOUTH CONCRETE RETAINMENT WALL OF AN EXISTING  
 CONCRETE FOUNDATION. THE BENCHMARK IS APPROXIMATELY 13 FEET EAST OF THE  
 CENTERLINE OF HAMID BLVD AND IS 17 FEET SOUTH OF THE  
 CENTERLINE OF HAMID BLVD.  
 ELEVATION 1470.75 FEET (NAVD 83)

- NOTES:**
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  - CONTRACTOR SHALL RETURN UTILITIES TO ORIGINAL CONDITIONS OR BETTER
  - PRE-CONSTRUCTION CONDITIONS OR BETTER
  - PRE-INSTALLATION TO BE INSTALLED 3' OFF
  - ALL UTILITIES CROSSING COUNTY STREETS INCLUDING LEADS SHALL BE MARKED AT LEAST 10 FEET FROM THE PROJECT FACT LOADBOX POSITION OF THE PROJECT FACT LOADBOX OF EXISTING WATER AND WASTEWATER LINES ARE THESE LINES ARE UNKNOWN IF DAMAGED REPAIR IMMEDIATELY TO KEEP SYSTEM IN OPERATION.

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

**VERIFICATION OF PRIVATE UTILITY LINES**  
 For your safety, you are responsible for locating all utility lines before excavation. The information on this drawing is based on the information provided to us by the utility owners. It is your responsibility to verify the location and depth of all utility lines before excavation. (This information is not to be used for any other purpose.)

**DATE:** 4/16/15  
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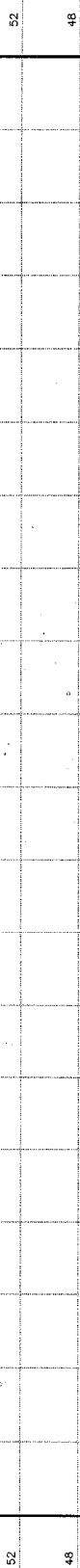
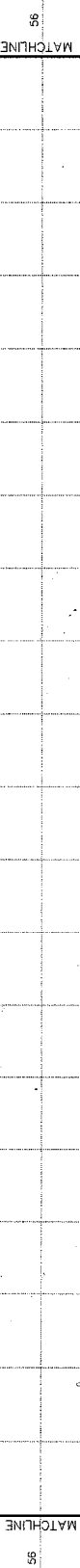
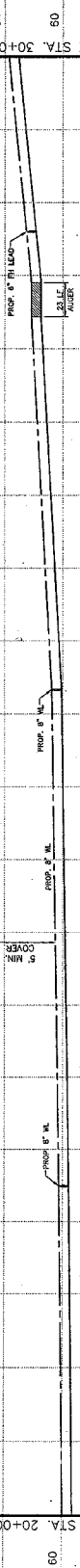
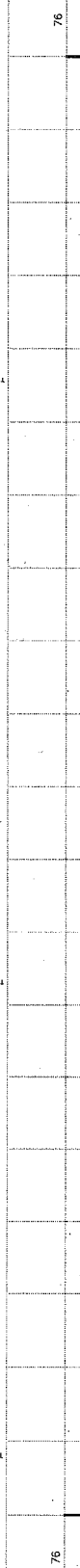
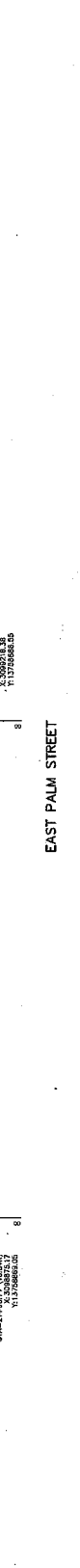
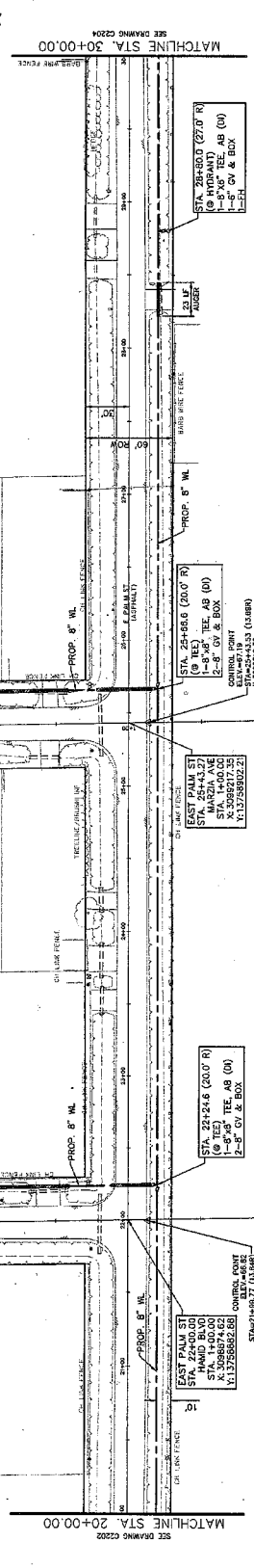
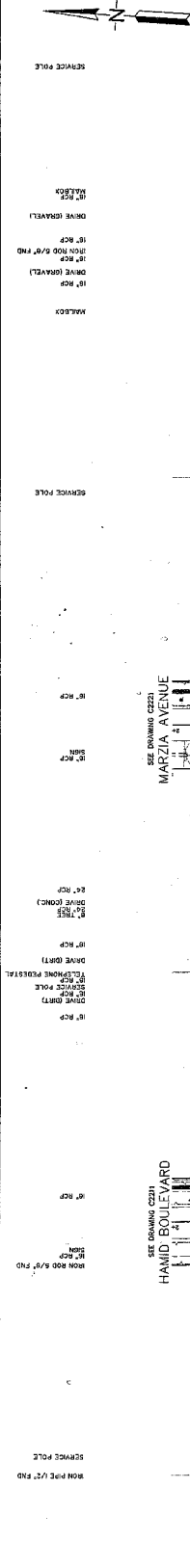
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**JACOBS**  
 SUPPLEMENTAL ROAD  
 SUPPLY DISTRICT NO. 1  
 MAIN 813 761 6400

**POINT BEND COUNTY RESIDENTIAL WATERLINE IMPROVEMENTS**  
 PHASE II  
 EAST PALM STREET  
 STA. 20+00.00 TO STA. 30+00.00

**PROJECT BENCHMARK:**  
 RBS DESIGNATED 'M' 668  
 WEST END OF SOUTH CONCRETE RETAINMENT WALL OF AN EXISTING  
 CONCRETE FOUNDATION. THE BENCHMARK IS APPROXIMATELY 13 FEET EAST OF THE  
 CENTERLINE OF HAMID BLVD AND IS 17 FEET SOUTH OF THE  
 CENTERLINE OF HAMID BLVD.  
 ELEVATION 1470.75 FEET (NAVD 83)

**NOTES:**

- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
- CONTRACTOR SHALL RETURN UTILITIES TO ORIGINAL CONDITIONS OR BETTER
- PRE-CONSTRUCTION CONDITIONS OR BETTER
- PRE-INSTALLATION TO BE INSTALLED 3' OFF
- ALL UTILITIES CROSSING COUNTY STREETS INCLUDING LEADS SHALL BE MARKED AT LEAST 10 FEET FROM THE PROJECT FACT LOADBOX POSITION OF THE PROJECT FACT LOADBOX OF EXISTING WATER AND WASTEWATER LINES ARE THESE LINES ARE UNKNOWN IF DAMAGED REPAIR IMMEDIATELY TO KEEP SYSTEM IN OPERATION.

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

**VERIFICATION OF PRIVATE UTILITY LINES**  
 For your safety, you are responsible for locating all utility lines before excavation. The information on this drawing is based on the information provided to us by the utility owners. It is your responsibility to verify the location and depth of all utility lines before excavation. (This information is not to be used for any other purpose.)

**DATE:** 4/16/15  
**DATE:** 4/16/15  
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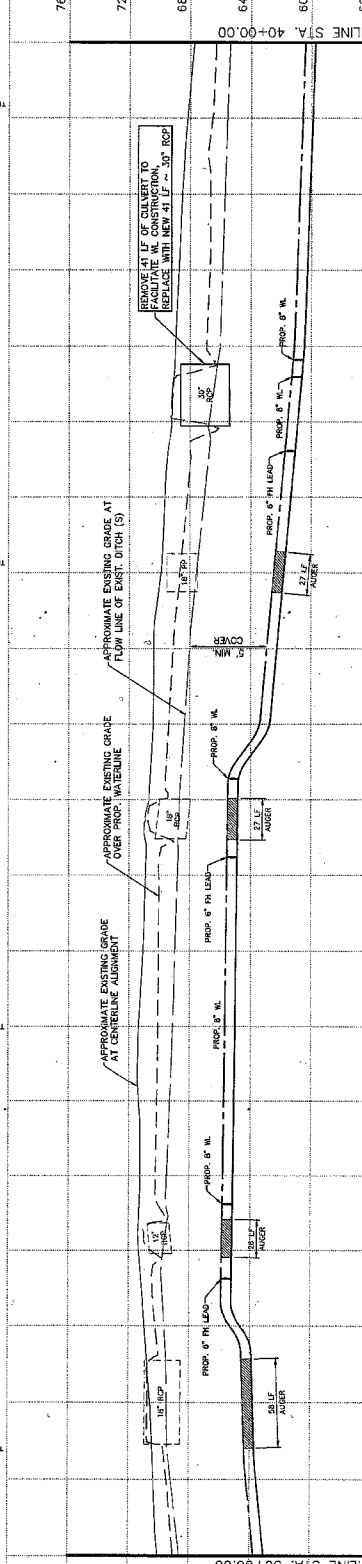
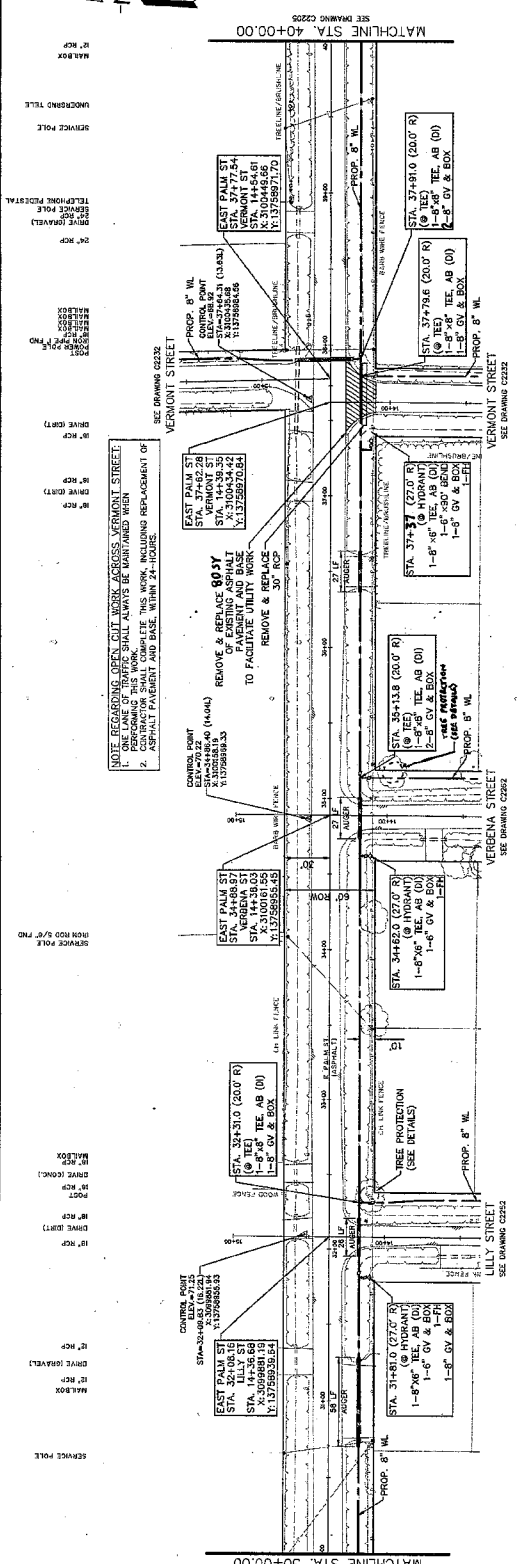


**FOR BUREAU UTILITY RECONSTRUCTION**  
 TWO (2) BUSINESS DAYS BEFORE YOU DIG CALL 811  
 OR 1-800-688-8344 (hours see 811)  
 UTILITY RECONSTRUCTION ONE CALL  
 www.onecall811.com

**PROJECT BENCHMARK:**  
 M25 DESIGNED M BESS  
 PROJECT STA 30+00 TO STA 40+00  
 ELEVATION TO TOP OF CURB 5.00 FT  
 CENTERLINE OF ROAD 50.00 FT  
 CENTERLINE OF DRIVE 30.00 FT  
 CENTERLINE OF SIDEWALK 15.00 FT

**NOTES:**  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES  
 2. CONTRACTOR SHALL REPAIR UTILITIES TO  
 PRE-CONSTRUCTION CONDITIONS OR BETTER  
 3. FIRE HYDRANTS TO BE INSTALLED 3' OFF  
 GROUND AND 18" DIA. WITH 2" NPT THREADED  
 CONNECTION TO MAINLINE  
 4. ALL MAINLINE CROSSING CURB STREETS,  
 INCLUDING LEADS SHALL BE LOCATED AT LEAST  
 6' FROM CURB  
 5. EXISTING WATERS AND WASTEWATER LINES ARE  
 TO BE MAINTAINED UNLESS OTHERWISE NOTED  
 THESE LINES ARE DANGEROUS IF DAMAGED  
 REPAIR IMMEDIATELY TO AS TO KEEP SYSTEM IN  
 OPERATION

NO.	DESCRIPTION	DATE	SCALE
1	VERMONT STREET	04/15	
2	VERMONT STREET	04/15	
3	VERMONT STREET	04/15	
4	VERMONT STREET	04/15	
5	VERMONT STREET	04/15	



**JACOBS**  
 605 BOULDER ROAD  
 FORT LEOD COUNTY, MISSISSIPPI  
 PHASE II -  
 WATERLINE IMPROVEMENTS

**FORT LEOD COUNTY FISHWATER SUPPLY DISTRICT NO. 1**

**EAST PALM STREET**  
 STA. 30+00.00 TO STA. 40+00.00

**33 OF 38**

PROJECT NO.	C2204
SHEET NO.	33
DATE	4/15

**PREPARED BY: W. B. BOYD**  
**DESIGNED BY: M. BESS**  
**CHECKED BY: J. COOPER**  
**APPROVED BY: [Signature]**

**811**  
FOR BUREAU UTILITY INFORMATION  
TWO (2) BUSINESS DAYS  
BEFORE YOU DIG CALL 811  
1-800-588-3344 (Mon-Fri 8:00 AM - 5:00 PM)  
1-800-588-3344 (Mon-Fri 8:00 AM - 5:00 PM)  
UTILITY NOTIFICATION ONE CALL  
www.onecall.com  
www.811.com

**MISSING UTILITIES**  
MISSING UTILITIES ARE NOT SHOWN ON THIS PLAN AND SHOULD BE LOCATED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES BEFORE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND STRUCTURES THAT REMAIN ON THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL UTILITIES AND STRUCTURES TO ORIGINAL OR BETTER CONDITION AFTER CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND STRUCTURES THAT REMAIN ON THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS TO ALL ADJACENT PROPERTIES AND PUBLIC AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL UTILITIES AND STRUCTURES TO ORIGINAL OR BETTER CONDITION AFTER CONSTRUCTION.

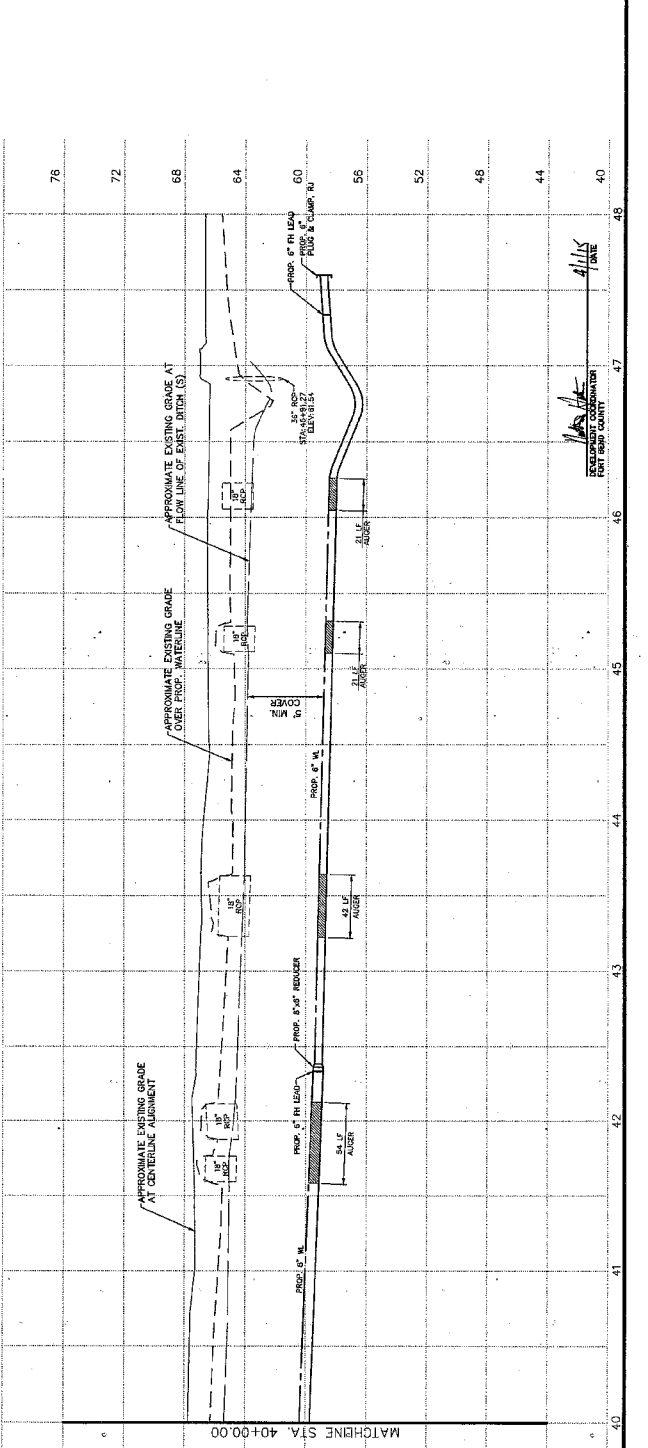
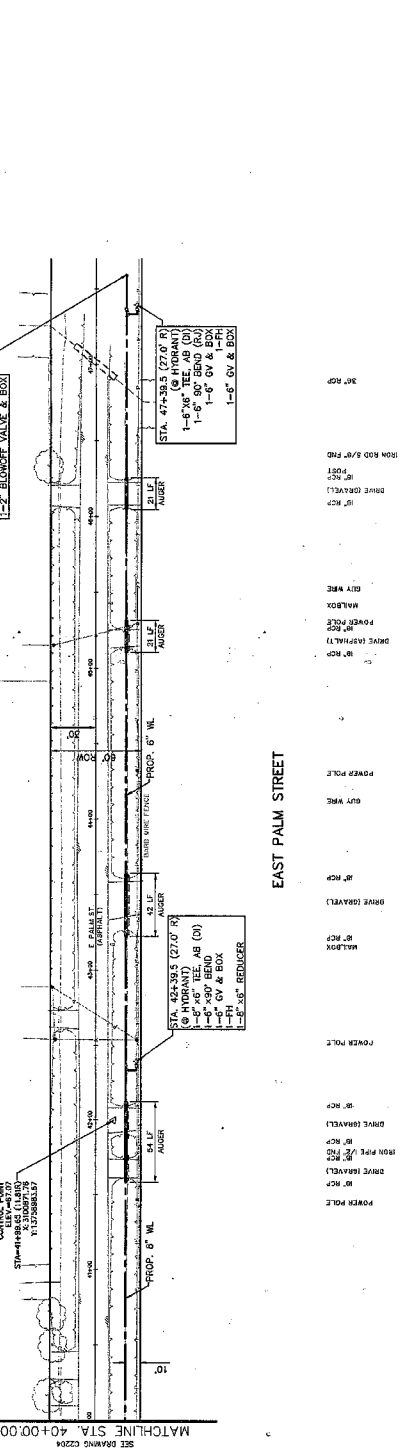
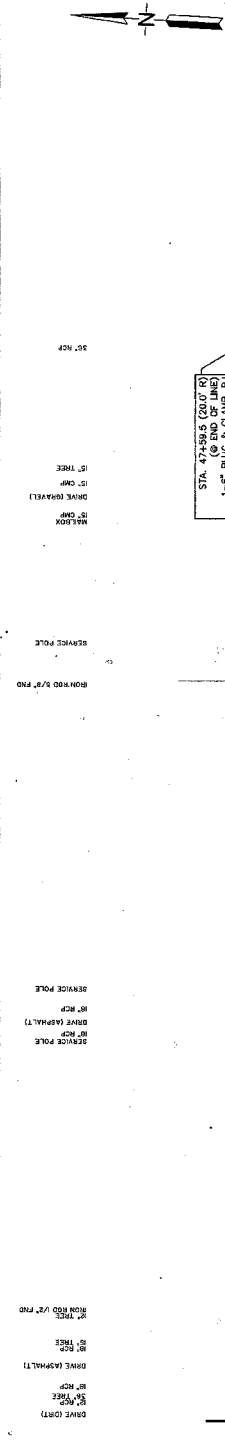
**NOTICE:**  
TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-207-2222.  
CENTERPOINT ENERGY  
2115 Robinson Street, Suite 400  
Houston, Texas 77002  
www.centerpointenergy.com  
DATE: 4/13/15  
BY: [Signature]  
TITLE: [Title]

**VERIFICATION OF PRIVATE UTILITY LINES**

DATE	LINE	TYPE	DEPTH	LOCATION

FOR TARRANT COUNTY PRESSWATER SUPPLY SYSTEM  
WATERLINE IMPROVEMENTS  
PEARLAND  
FORT BEND COUNTY PRESSWATER SUPPLY SYSTEM  
WATERLINE IMPROVEMENTS  
PEARLAND

**JACOBS**  
5963 RODRIGUEZ ROAD  
HOUSTON, TEXAS 77036  
FOOT COUNTRYPRESSWATER SUPPLY SYSTEM  
WATERLINE IMPROVEMENTS  
PEARLAND  
PROJECT NO. W00001614  
DATE: APR. 2014  
SCALE: 1" = 40'  
SHEET: 34  
OF: 34  
DRAWN BY: J. VERA  
CHECKED BY: D. SMITH  
PROJECT: C2205  
DATE: 4/13/15



**FOR BURNED UTILITY INFORMATION:**  
 TWO (2) BUSINESS DAYS  
 BEFORE COMMENCEMENT OF WORK.  
 (OR 1-800-666-8344 (Line Side 811))  
 (OR 1-800-666-8344 (Line Side 811))  
 (OR 1-800-666-8344 (Line Side 811))  
 UTILITY INFORMATION ONE CALL  
 www.information811.com



**PROJECT DESIGNATION:** 1688  
 WEST END OF SOUTH CONCRETE REMOVAL OF MAIN PIPE  
 MAIN PIPE APPROXIMATELY 5 FEET EAST OF CENTERLINE OF  
 CONCRETE OF DALLAS RD. C-585 AND IS FEET SOUTH OF THE  
 CENTERLINE OF DALLAS RD. C-585

**NOTES:**  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES.  
 2. CONTRACTOR SHALL RETURN DRIVEWAYS TO  
 PRE-CONSTRUCTION CONDITIONS OR BETTER.  
 3. FIRE HYDRANTS TO BE INSTALLED 3' OFF  
 CURB AND 15' FROM ANY SIDEWALK OR DRIVEWAY.  
 4. ALL WATERLINES CROSSING COUNTY STREETS,  
 INCLUDING LEADS SHALL BE MARKED AT LEAST  
 3 FEET FROM THE PROPERTY LINE AND 18 INCHES  
 FROM THE CURB OR DRIVEWAY. THE LOCATION OF  
 EXISTING WATER AND WASTEWATER LINES ARE  
 SHOWN ON THESE LINES. IF DAMAGED, REPAIR  
 SHALL BE MADE IMMEDIATELY TO KEEP SYSTEM IN  
 OPERATION.

**TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-507-2222.**

**NOTICE:**  
 For the public, you are notified that the City of Dallas is conducting a public hearing on the proposed project. The public hearing will be held on the 15th day of the month of August 2024, at 8:00 AM, at the Dallas City Hall, 1100 Ross Avenue, Dallas, Texas 75202. The City Clerk's Office will provide additional information regarding the public hearing.

**VERIFICATION OF PRIVATE UTILITY LINES**  
 Date: 4/14/24  
 Name: [Signature]  
 Title: [Signature]  
 Location: [Signature]

**VERIFICATION OF PRIVATE UTILITY LINES**  
 Date: 4/14/24  
 Name: [Signature]  
 Title: [Signature]  
 Location: [Signature]

NO.	DESCRIPTION	DATE	INIT.	CHK.

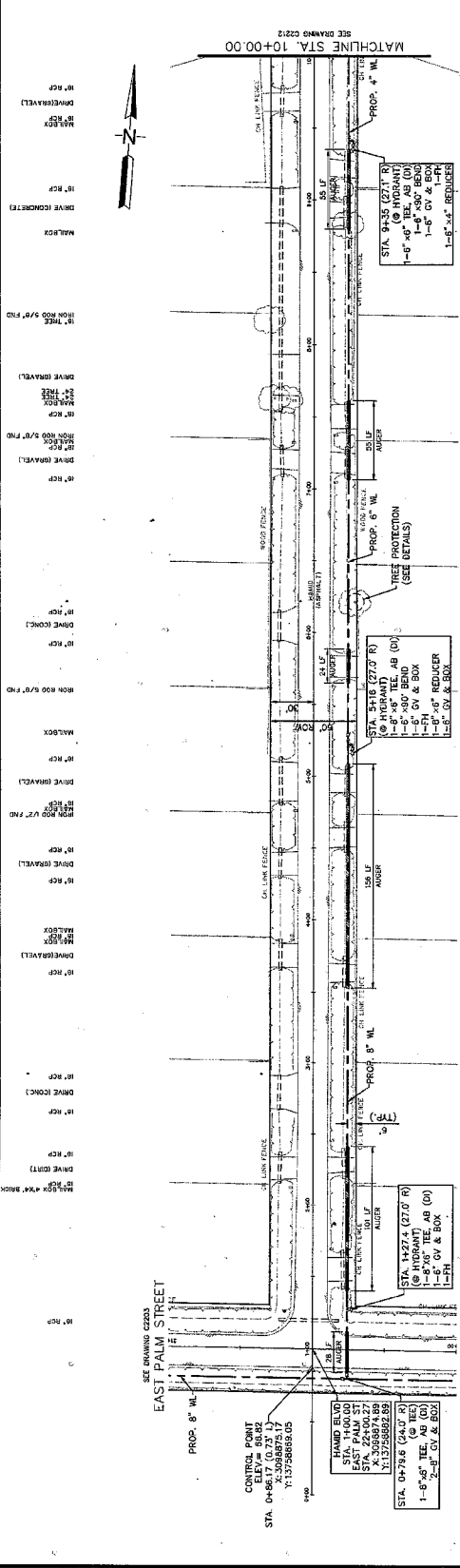
NO.	DESCRIPTION	DATE	INIT.	CHK.

**JACOBS**  
 6589 RODD DALE ROAD  
 FORT WORTH, TEXAS 76149  
 PHONE: 817.571.7000  
 WWW.JACOBS.COM

POINT BOND COUNTY WASTEWATER SUPPLY DISTRICT NO. 1  
 PHASE II - WATERLINE IMPROVEMENTS

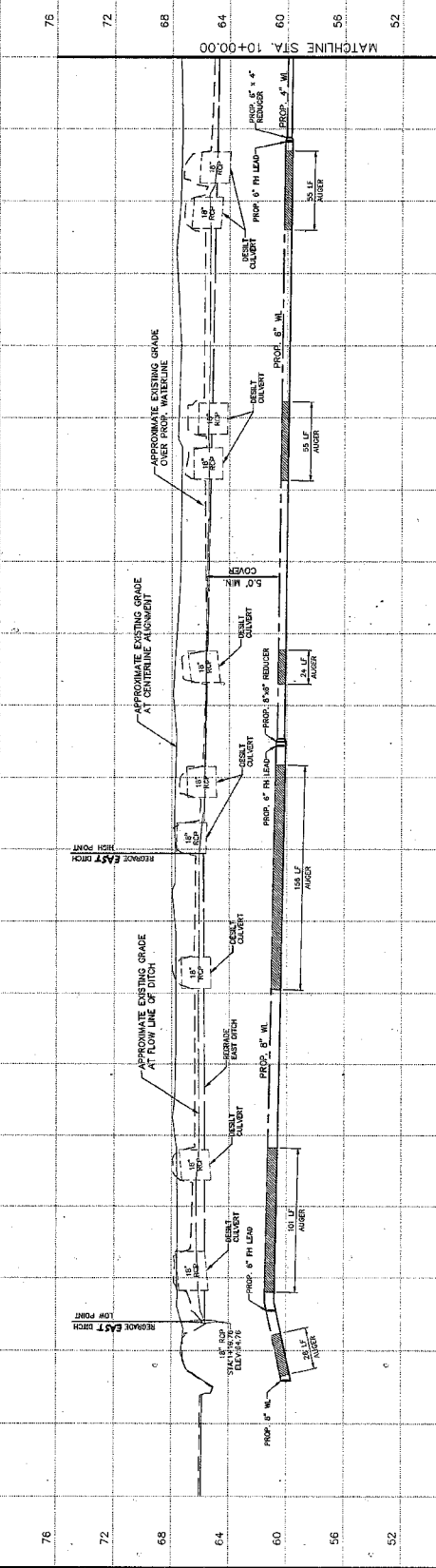
**HAMID BOULEVARD**  
 STA. 0+00.00 TO STA. 10+00.00

PROJECT NO. 2023-0303  
 SHEET NO. 35 OF 35  
 DATE: 4/14/24  
 DRAWN BY: J. ARNEST  
 CHECKED BY: J. ARNEST  
 APPROVED BY: [Signature]



**HAMID BOULEVARD**  
 SEE DRAWING C2023  
 EAST PALM STREET  
 SEE DRAWING C2023  
 EAST PALM STREET

PROPERTY LINES:  
 15" WATER (GSAVEL)  
 18" GAS (MALLOR)  
 12" GAS (MALLOR)  
 15" WATER (MALLOR)  
 18" GAS (MALLOR)  
 12" GAS (MALLOR)  
 15" WATER (MALLOR)  
 18" GAS (MALLOR)  
 12" GAS (MALLOR)



STATIONING: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
 ELEVATION: 40, 44, 48, 52, 56, 60, 64, 68, 72, 76

**RESERVE EAST DITCH**  
**RESERVE EAST DITCH**  
**RESERVE EAST DITCH**  
**RESERVE EAST DITCH**  
**RESERVE EAST DITCH**

**FOR BIRSD UNITY INFORMATION**  
 TWO (2) BUSINESS DAYS  
 (OR 1-800-669-8344 Mon-Fri 8:30 AM - 5:00 PM)  
 (OR 1-402-545-0005 Tues-Fri 8:30 AM - 5:00 PM)  
 BIRSD UNITY INFORMATION ONE CALL  
 www.birsdunity.com

**PROJECT BENCHMARK:**  
 BIRSD DESIGNATED "W" 868  
 WEST END OF JUDITH CONCOURSE REAR WALL OF AN 8" PIPE  
 MANHOLE (ELEVATION 76.00) SHALL BE THE BENCHMARK FOR ALL  
 POINTS. APPROXIMATELY 18 FEET EAST OF THE  
 CENTERLINE OF DALLAS RD  
 ELEVATION 70.93 FEET (NAVD 80)

**NOTES:**  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES  
 CONTRACTOR SHALL RETURN DITCHES TO  
 ORIGINAL CONDITIONS OR BETTER  
 UNLESS NOTED OTHERWISE  
 2. FIRE HYDRANTS TO BE INSTALLED 3' OFF  
 CENTERLINE OF DALLAS RD  
 ALL WATERLINES CROSSING COUNTY STREETS,  
 4" TO 12" DEPTH VALVE & BOX  
 3. EXISTING WATER AND WASTEWATER LINES ARE  
 SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION OF  
 THESE LINES ARE UNKNOWN. IF DAMAGED,  
 REPAIR IMMEDIATELY SO AS TO KEEP SYSTEM IN  
 OPERATION.

**TO ARRANGE FOR LINES TO BE TURNED OFF OR  
 MOVED, CALL CENTERPOINT ENERGY AT 715.507.2222  
 OR 1-800-669-8344. THIS SERVICE IS AVAILABLE  
 MON-FRI 8:30 AM - 5:00 PM. THIS SERVICE IS NOT  
 AVAILABLE FOR EMERGENCY SERVICE. THIS SERVICE IS  
 AVAILABLE FOR EMERGENCY SERVICE. THIS SERVICE IS  
 AVAILABLE FOR EMERGENCY SERVICE.**

**VERIFICATION OF PRIVATE UTILITY LINES**  
 The contractor shall verify the location and depth of all private utility lines (gas, electric, sewer, water, etc.) prior to construction. If any lines are not shown on the plan, they shall be located and marked with flags and tape. The contractor shall be responsible for any damage to private utility lines. The contractor shall be responsible for any damage to private utility lines.

**JACOBS**  
 6905 RODERDALE ROAD  
 FORT COLLINS, CO 80526  
 PHONE: 970.226.7000  
 FAX: 970.226.7001  
 PROJECT: FORT COLLINS COUNTY WASTEWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE II -  
 WATERLINE IMPROVEMENTS

**FOR BIRSD COUNTY WASTEWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE II -  
 WATERLINE IMPROVEMENTS**

**HAMID BOULEVARD  
 STA. 10+00.00 TO STA. 12+00.00**

**811**

**PROJECT BENCHMARK:**  
 BIRSD DESIGNATED "W" 868  
 WEST END OF JUDITH CONCOURSE REAR WALL OF AN 8" PIPE  
 MANHOLE (ELEVATION 76.00) SHALL BE THE BENCHMARK FOR ALL  
 POINTS. APPROXIMATELY 18 FEET EAST OF THE  
 CENTERLINE OF DALLAS RD  
 ELEVATION 70.93 FEET (NAVD 80)

**NOTES:**  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES  
 CONTRACTOR SHALL RETURN DITCHES TO  
 ORIGINAL CONDITIONS OR BETTER  
 UNLESS NOTED OTHERWISE  
 2. FIRE HYDRANTS TO BE INSTALLED 3' OFF  
 CENTERLINE OF DALLAS RD  
 ALL WATERLINES CROSSING COUNTY STREETS,  
 4" TO 12" DEPTH VALVE & BOX  
 3. EXISTING WATER AND WASTEWATER LINES ARE  
 SHOWN FOR INFORMATION ONLY. THE EXACT LOCATION OF  
 THESE LINES ARE UNKNOWN. IF DAMAGED,  
 REPAIR IMMEDIATELY SO AS TO KEEP SYSTEM IN  
 OPERATION.

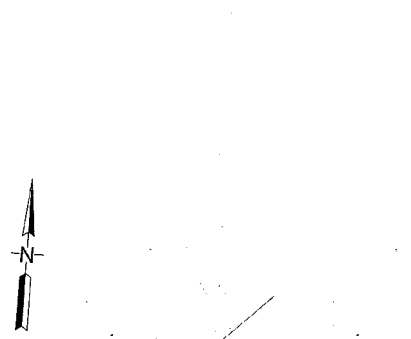
**TO ARRANGE FOR LINES TO BE TURNED OFF OR  
 MOVED, CALL CENTERPOINT ENERGY AT 715.507.2222  
 OR 1-800-669-8344. THIS SERVICE IS AVAILABLE  
 MON-FRI 8:30 AM - 5:00 PM. THIS SERVICE IS NOT  
 AVAILABLE FOR EMERGENCY SERVICE. THIS SERVICE IS  
 AVAILABLE FOR EMERGENCY SERVICE. THIS SERVICE IS  
 AVAILABLE FOR EMERGENCY SERVICE.**

**VERIFICATION OF PRIVATE UTILITY LINES**  
 The contractor shall verify the location and depth of all private utility lines (gas, electric, sewer, water, etc.) prior to construction. If any lines are not shown on the plan, they shall be located and marked with flags and tape. The contractor shall be responsible for any damage to private utility lines. The contractor shall be responsible for any damage to private utility lines.

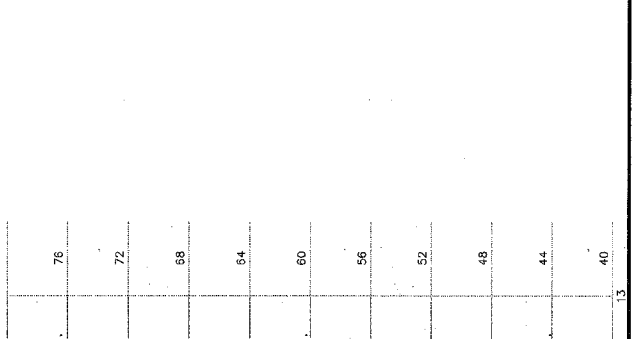
**JACOBS**  
 6905 RODERDALE ROAD  
 FORT COLLINS, CO 80526  
 PHONE: 970.226.7000  
 FAX: 970.226.7001  
 PROJECT: FORT COLLINS COUNTY WASTEWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE II -  
 WATERLINE IMPROVEMENTS

**FOR BIRSD COUNTY WASTEWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE II -  
 WATERLINE IMPROVEMENTS**

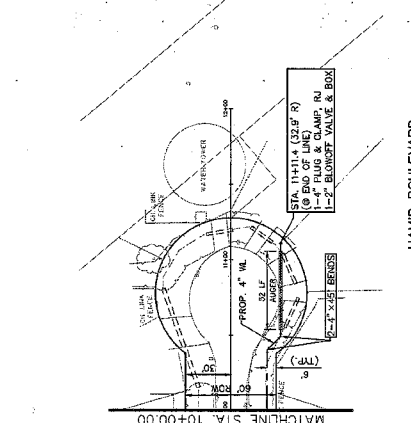
**HAMID BOULEVARD  
 STA. 10+00.00 TO STA. 12+00.00**



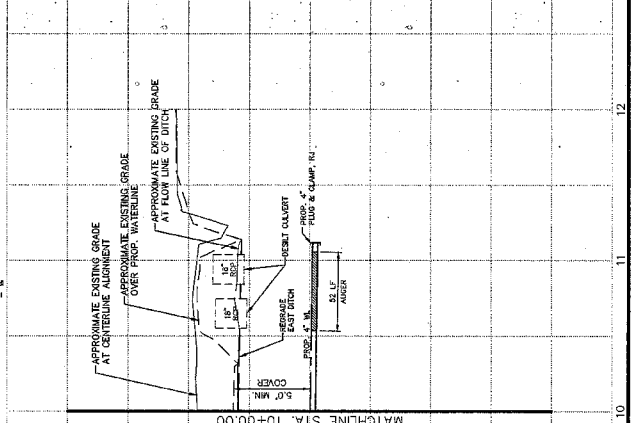
**HAMID BOULEVARD**



**SEE DRAWING C2211**



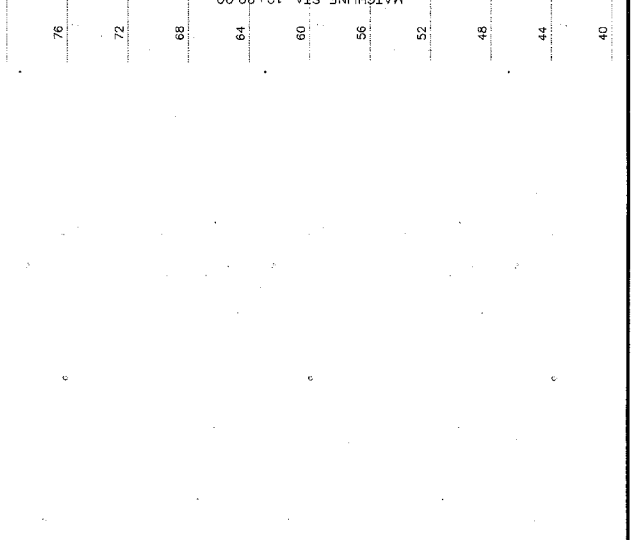
**HAMID BOULEVARD**



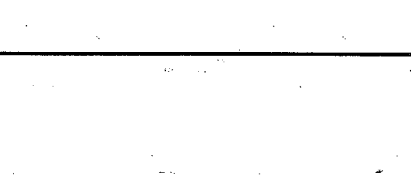
**SEE DRAWING C2211**



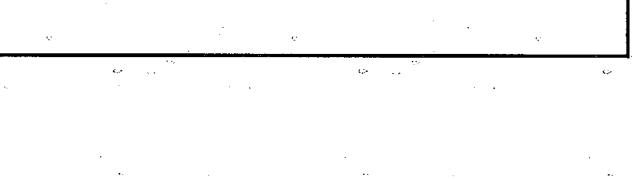
**HAMID BOULEVARD**



**SEE DRAWING C2211**



**HAMID BOULEVARD**



**DATE: 4/11/15**

**DATE: 4/11/15**

**DATE: 4/11/15**

**DATE: 4/11/15**

**DATE: 4/11/15**

**PROJECT NO. W14050111**  
**DATE: 12/15/14**  
**SCALE: 1" = 1'-0"**  
**SHEET: 36**  
**TOTAL SHEETS: 42**  
**C2212**  
**OF 66**

**FOR BIRSD COUNTY WASTEWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE II -  
 WATERLINE IMPROVEMENTS**

**HAMID BOULEVARD  
 STA. 10+00.00 TO STA. 12+00.00**

**HAMID BOULEVARD  
 STA. 10+00.00 TO STA. 12+00.00**

**HAMID BOULEVARD  
 STA. 10+00.00 TO STA. 12+00.00**

**HAMID BOULEVARD  
 STA. 10+00.00 TO STA. 12+00.00**



FOR SHOWN ONLY INFORMATION  
 THIS PLAN IS NOT TO BE USED FOR CONSTRUCTION OF ANY OTHER WORK THAN THAT SPECIFICALLY IDENTIFIED ON THIS DRAWING.  
 IF YOU HAVE ANY QUESTIONS, CALL 811 AT 811-555-8111.  
 (OR 1-800-555-8111 FOR OUT-OF-STATE CALLS.)  
 IF YOU ARE NOT A TEXAS RESIDENT, CALL 811 AT 811-555-8111.  
 FOR MORE INFORMATION, VISIT WWW.811.COM

PROVED BENCHMARKS: 889  
 1. NORTH POINT (CONCRETE) IS 16 FEET EAST OF  
 WEST CORNER OF JOINT CONCRETE RETAINMENT WALL OF ASH OF PIPE  
 TUNNEL. APPROXIMATELY 56 FEET EAST OF THE END OF THE  
 CENTERLINE OF PHALG ROAD. (ELEVATION TO CENTERLINE OF  
 CENTERLINE OF PHALG RD IS 140.00)

- NOTES:
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES.
  - CONTRACTOR SHALL RETURN ALL UTILITIES TO ORIGINAL OR BETTER CONDITION UNLESS NOTED OTHERWISE.
  - ALL UTILITIES TO BE INSTALLED 3" OFF EXISTING GRADE UNLESS NOTED OTHERWISE.
  - EXISTING WATER AND WATER SUPPLY LINES** ARE SHOWN IN THIS PORTION OF THE PROJECT EXACT LOCATION OF THESE LINES ARE UNKNOWN. CONTRACTOR SHALL REPAIR IMMEDIATELY SO AS TO KEEP SYSTEM IN OPERATION.

**5. ALL WATERLINES TO BE REPAIRED OR REPLACED WITH 10" DIA. 150 PSI CLASS P HDPE PIPE WITH 3" EACH SIDE OF PIPE BEING PROTECTED.**

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL 811 AT 811-555-8111 AT LEAST 48 HOURS BEFORE WORK BEGINS. (For more safety, you are requested to provide us with a call 811 at least 48 hours in advance of the time you need for the work. This information is not intended to be used for a permit.) (Work shall be done in strict accordance with the Texas Utility Locating and Marking Law.) (Work shall be done in strict accordance with the Texas Utility Locating and Marking Law.)

VERIFICATION OF PRIVATE UTILITY LINES  
 Date: 4/16/15

Date: 4/16/15

Date: 4/16/15

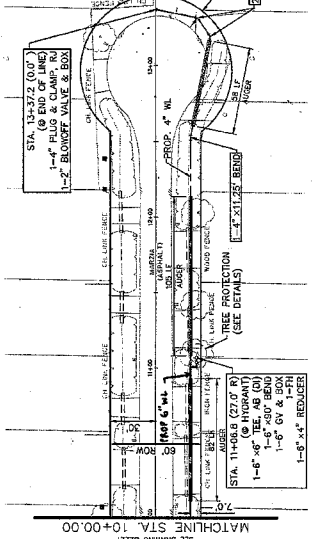
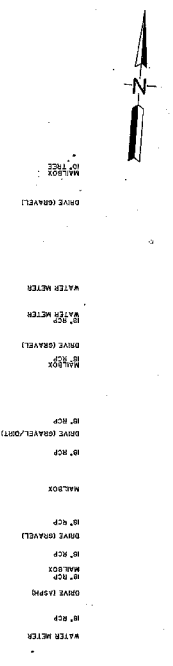
NO.	DESCRIPTION	DATE	DRAWN	CHECKED



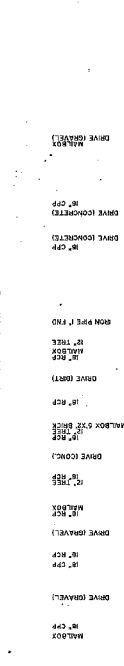
**JACOBS**  
 FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1  
 PHASE II - WATERLINE REINFORCEMENTS

MARZIA AVENUE  
 STA. 10+00.00 TO STA. 14+00.00

PROJECT NO. MARZIA-15-001  
 DATE: APR. 2015  
 W. COCCHI  
 J. BARNETT  
 SHEET NO. 38 OF 66  
 C2222



MARZIA AVENUE



STATION	MARKER / DESCRIPTION	ELEVATION (FEET)
76	APPROXIMATE EXISTING GRADE AT CENTERLINE ALIGNMENT	76
72	APPROXIMATE EXISTING GRADE OVER PROP. WATERLINE	72
68	APPROXIMATE EXISTING GRADE AT FLOW LINE OF DITCH	68
64	PROP. 4" REDUCER PRESS. 150 PSI	64
60	PROP. 4" WATER PIPE & CLAMP	60
56	51" CULVERT	56
52	PROP. 4" WATER PIPE	52
48	PROP. 4" WATER PIPE	48
44	PROP. 4" WATER PIPE	44
40	PROP. 4" WATER PIPE	40

DATE: 4/16/15





FOR BURIED UTILITY INFORMATION  
 TWO (2) BUSINESS DAYS BEFORE YOU DIG CALL 811  
 (OR 1-800-488-8344, Leave Stop 811)  
 Utility Information One Call  
 www.811vermont.com

**PROJECT DESCRIPTION:**  
 R-100 VERMONT STREET WATER MAIN  
 1. 10" DIAMETER R-100 WATER MAIN AT VERMONT STREET  
 2. 10" DIAMETER R-100 WATER MAIN UNDER VERMONT STREET  
 3. 10" DIAMETER R-100 WATER MAIN UNDER VERMONT STREET  
 4. 10" DIAMETER R-100 WATER MAIN UNDER VERMONT STREET  
 5. 10" DIAMETER R-100 WATER MAIN UNDER VERMONT STREET

1. ALL LINES SHALL RETURN DITCHES TO ORIGINAL CONDITIONS OR BETTER.
2. FIRE HYDRANTS TO BE INSTALLED 3' OFF CURB AND 15' FROM ADJACENT PROPERTY LINES.
3. FIRE HYDRANTS TO BE INSTALLED 3' OFF CURB AND 15' FROM ADJACENT PROPERTY LINES, INCLUDING LEADS, SHALL BE LOCATED AT LEAST 5' DITCH SIDE OF PAVEMENT.
4. FIRE HYDRANTS SHALL BE INSTALLED AT LEAST 5' DITCH SIDE OF PAVEMENT.

**VERIFICATION OF PRIVATE UTILITY LINES**  
 The contractor shall verify the location and depth of all private utilities (including water lines) before construction begins. Verification shall be done in accordance with Vermont Agency of Natural Resources, Department of Environmental Quality, Water Main (R-100) Specifications, Section 2.01.01.

**NOTICE:**  
 This project is located on a street with overhead power lines. The contractor shall be responsible for ensuring that all workers are properly trained and equipped to work safely around overhead power lines. The contractor shall also be responsible for ensuring that all workers are properly trained and equipped to work safely around overhead power lines.

**VERMONT STREET WATER MAIN**  
 10" DIAMETER R-100 WATER MAIN AT VERMONT STREET  
 10" DIAMETER R-100 WATER MAIN UNDER VERMONT STREET  
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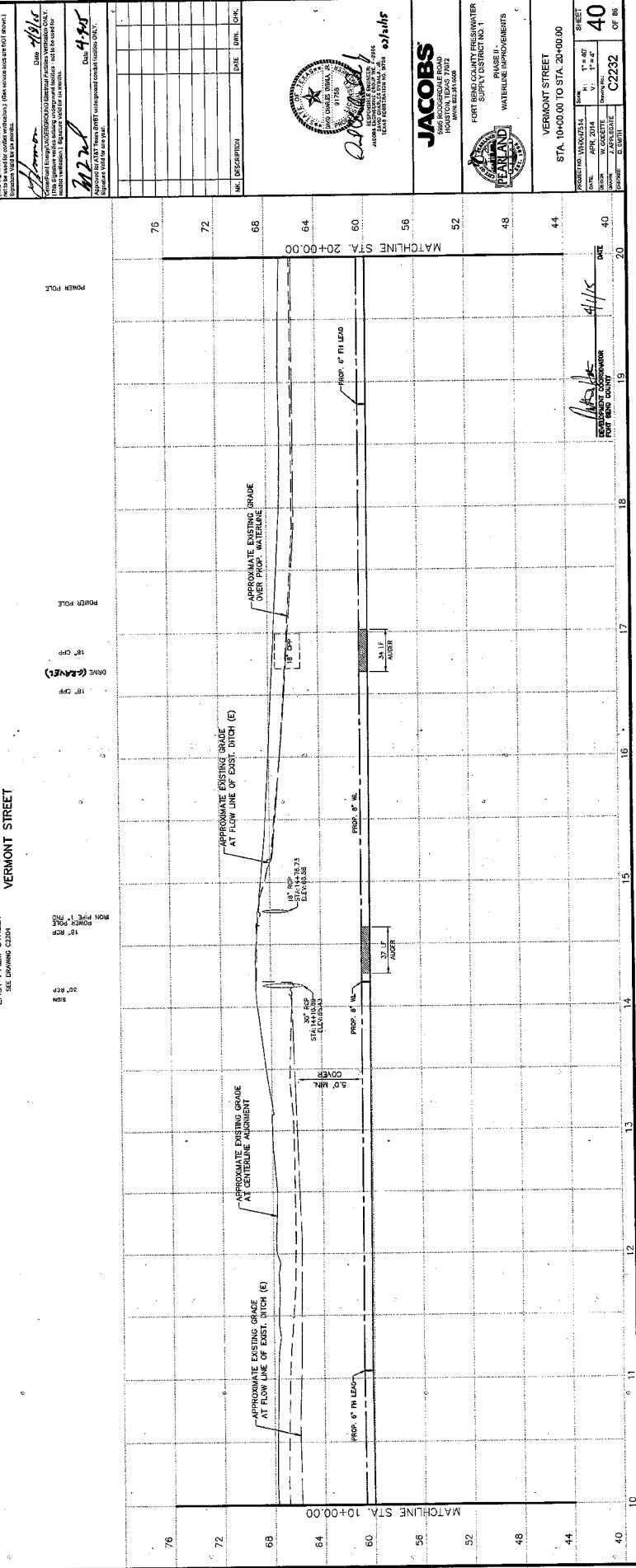
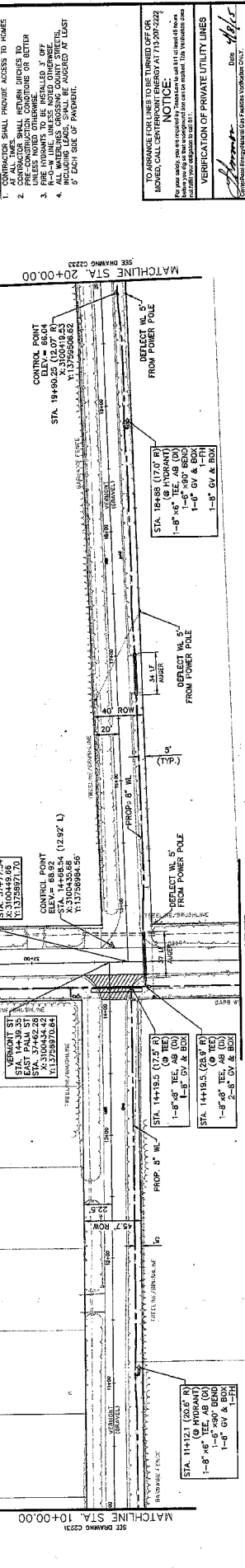
**VERMONT STREET WATER MAIN**  
 10" DIAMETER R-100 WATER MAIN AT VERMONT STREET  
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 10" DIAMETER R-100 WATER MAIN UNDER VERMONT STREET



NO.	DESCRIPTION	DATE	REV.	CHK.

**FOR BURIED UTILITY INFORMATION**  
 TWO (2) BUSINESS DAYS BEFORE YOU DIG CALL 811  
 (OR 1-800-488-8344, Leave Stop 811)  
 Utility Information One Call  
 www.811vermont.com

**JACOBS**  
 505 ROGERS ROAD  
 SUITE 200  
 WASHINGTON, VT 05692  
 TEL: 802-488-3800  
 WWW.JACOBS.COM

**VERMONT STREET**  
 STA. 10+00.00 TO STA. 20+00.00

PROJECT: VERMONT ST. WATER MAIN IMPROVEMENTS  
 PHASE II - WATERLINE IMPROVEMENTS

DATE: APR 2014  
 DRAWN BY: Z. ALBRECHT  
 CHECKED BY: E. SMITH

SHEET  
 40  
 OF 86





**811**

FOR BURIED UTILITY INFORMATION  
 CALL 811  
 BEFORE YOU DIG. CALL 811.  
 (OS 1-800-545-5009 Texas 811)  
 (OS 1-800-545-5009 Line Star 811)  
 (OS 1-800-545-5009 Line Star 811)  
 www.811.org

PROJECT BENCHMARKS:  
 BENCHMARK 1: 100 FT BENCH MARK  
 BENCHMARK 2: 100 FT BENCH MARK  
 BENCHMARK 3: 100 FT BENCH MARK  
 BENCHMARK 4: 100 FT BENCH MARK  
 BENCHMARK 5: 100 FT BENCH MARK  
 BENCHMARK 6: 100 FT BENCH MARK  
 BENCHMARK 7: 100 FT BENCH MARK  
 BENCHMARK 8: 100 FT BENCH MARK  
 BENCHMARK 9: 100 FT BENCH MARK  
 BENCHMARK 10: 100 FT BENCH MARK

- NOTES:
1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  2. CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL GRADE OR BETTER UNLESS NOTED OTHERWISE.
  3. P.C. POINTS TO BE INSTALLED & OFF SET FROM CENTERLINE AS NOTED.
  4. ALL UTILITIES CROSSING COUNTY STREETS, DRIVEWAYS, AND ALLEYS, SHALL BE MARKED AT LEAST 5' EACH SIDE OF PAVEMENT.

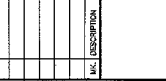
ELEVATION 70.00 FEET (BAND B)

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTRAL CITY AT 715.507.5222  
**NOTICE:**  
 If you are a contractor, please note that this is not an order to disconnect. This verification does not constitute an order to disconnect or to verify the location or depth of utility lines.

VERIFICATION OF PRIVATE UTILITY LINES  
 Date: 4/15/15  
 Signature: [Signature]

Date: 4/15/15  
 Signature: [Signature]

Date: 4/15/15  
 Signature: [Signature]



DATE: 03/15/15



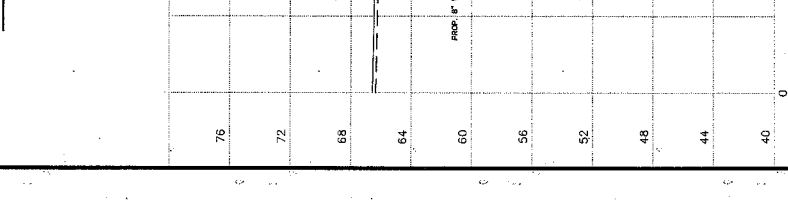
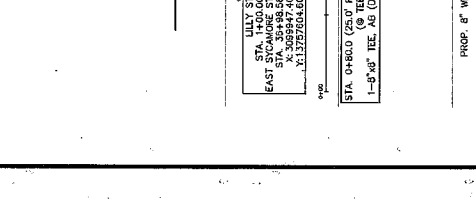
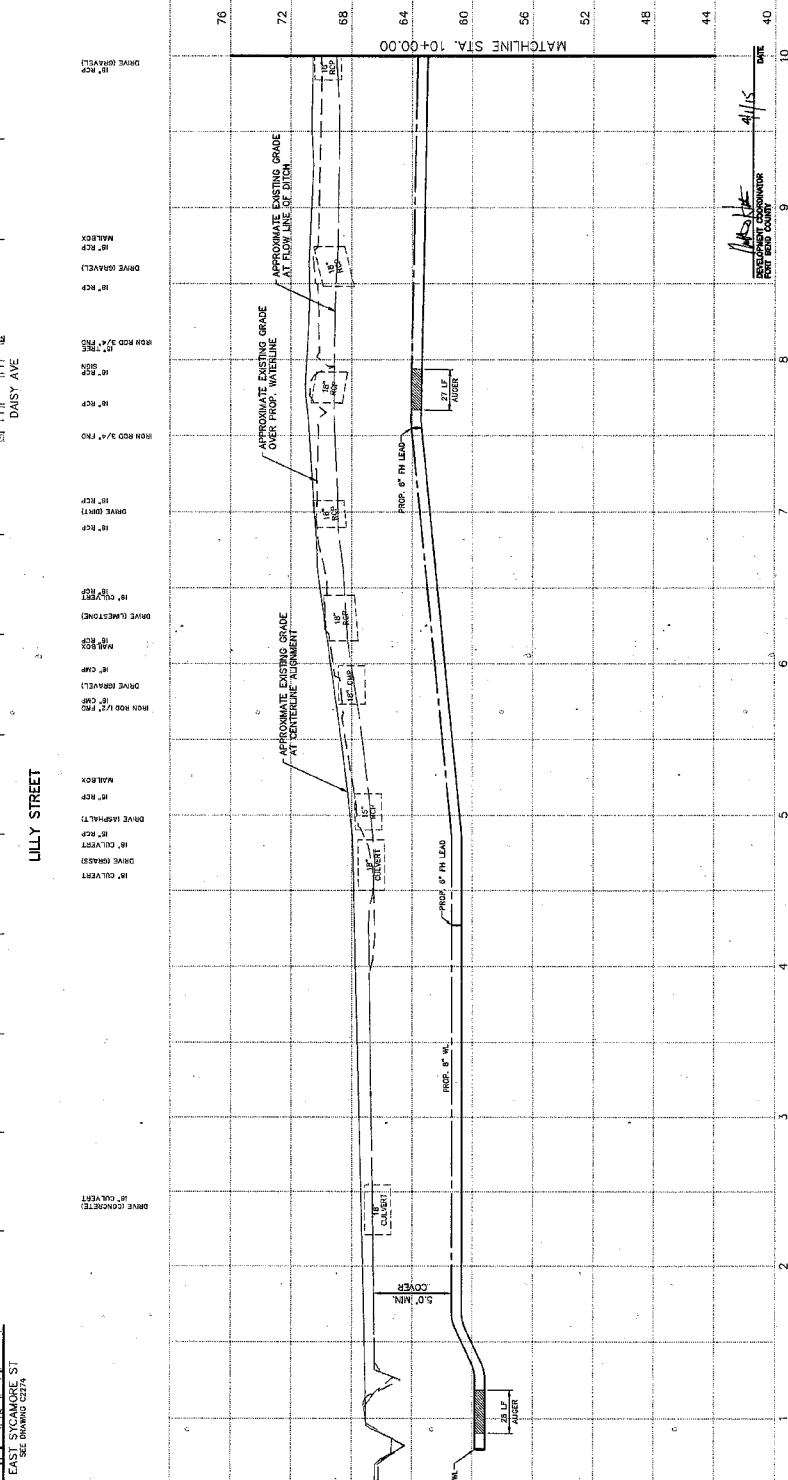
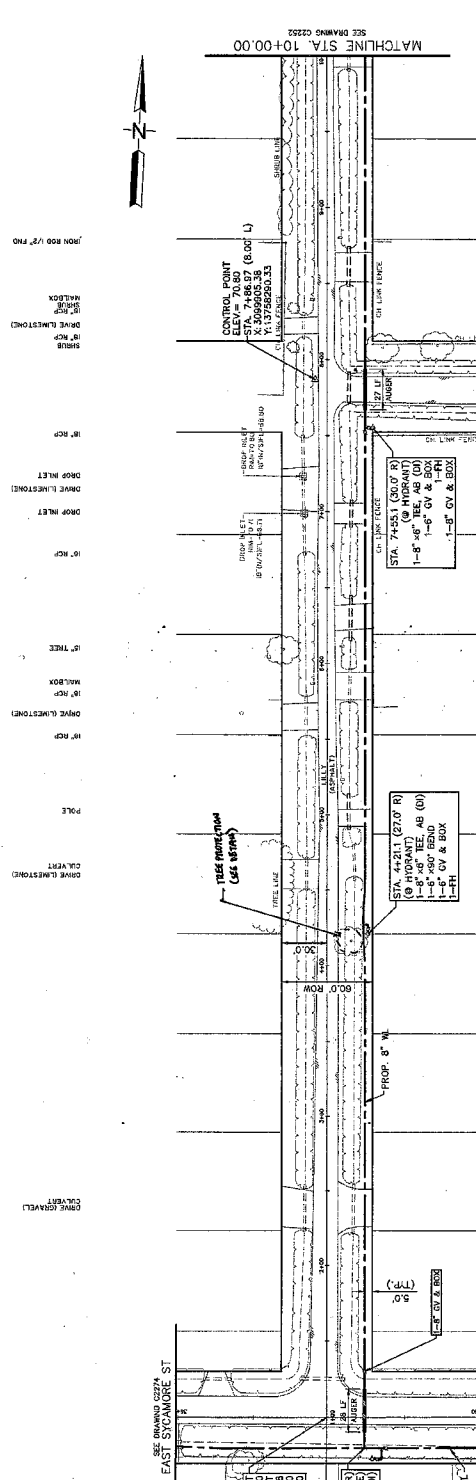
FORT BEND COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 HOUSTON, TEXAS 77027  
 DATE: 02-25-2016

PHASE II -  
 WATERLINE IMPROVEMENTS

LILLY STREET  
 STA. 0+00.00 TO STA. 10+00.00

PROJECT NO.: 201501584  
 DATE: JUNE 2014  
 DESIGNER: W. BOSCHKE  
 CONTRACTOR: J. WILSON  
 SHEET: C22511  
 OF 86

43



MATCHLINE STA. 10+00.00  
 MATCHLINE STA. 0+00.00

DATE: 4/15/15

PROJECT NO.: 201501584  
 SHEET: C22511  
 OF 86





FOR BIDDING UTILITY INFORMATION  
 CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND DEPTHS PRIOR TO CONSTRUCTION. YOU ARE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND AGENCIES TO CONDUCT THE WORK. CONTACT THE UTILITY OWNERS FOR ANY UTILITY INFORMATION. (SEE APPROPRIATE CADD FOR UTILITY INFORMATION.)  
 (OR) 1-800-669-8344 (Local Star 811)  
 (OR) 1-800-545-5005 (texas811)  
 (OR) 1-800-669-8344 (Local Star 811)  
 www.texas811.com  
 www.houston811.com



**PROJECT BENCHMARKS:**  
 BENCHMARK DESIGNATED 'M' 668.80 ELEVATION IS 18 FEET EAST OF WEST END OF SOUTH CONCRETE ROADPALL OF AB OF THE FUTURE INTERSECTION OF EAST PALM STREET AND SOUTH OF THE INTERSECTION OF VERBERNA STREET AND 10 FEET SOUTH OF THE CENTERLINE OF DALLAS RD.  
 ELEVATION TO 7.0 FEET (MAD 89)

**NOTES:**  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES  
 2. CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL FINISH GRADE UNLESS NOTED OTHERWISE.  
 3. FIRE HYDRANTS TO BE INSTALLED 3' OFF  
 4. ALL WATERMAIN CROSSING CONCRETE STREETS, SHALL BE INSTALLED UNDERNEATH THE ROADWAY AT LEAST 2' EACH SIDE OF PAVEMENT.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTRAL RECORDS AT 713-203-2227 FOR THE UTILITY LOCATOR SERVICE.  
 If you are any, you are required to take care to call 811 or local 811 to mark the location of all underground utilities before any excavation work is performed. This includes but is not limited to:  
 - Electric  
 - Gas  
 - Sewer  
 - Water  
 - Stormwater  
 - Communications  
 - Other

**VERIFICATION OF PRIVATE UTILITY LINES**  
 Date: 4/6/15  
 By: [Signature]

Contractor shall verify all existing and proposed utility lines to be installed on the project. The Contractor shall be responsible for the accuracy of all utility line information. (See contract for additional details.)

Date: 4/15/15  
 By: [Signature]

Date: 4/15/15  
 By: [Signature]

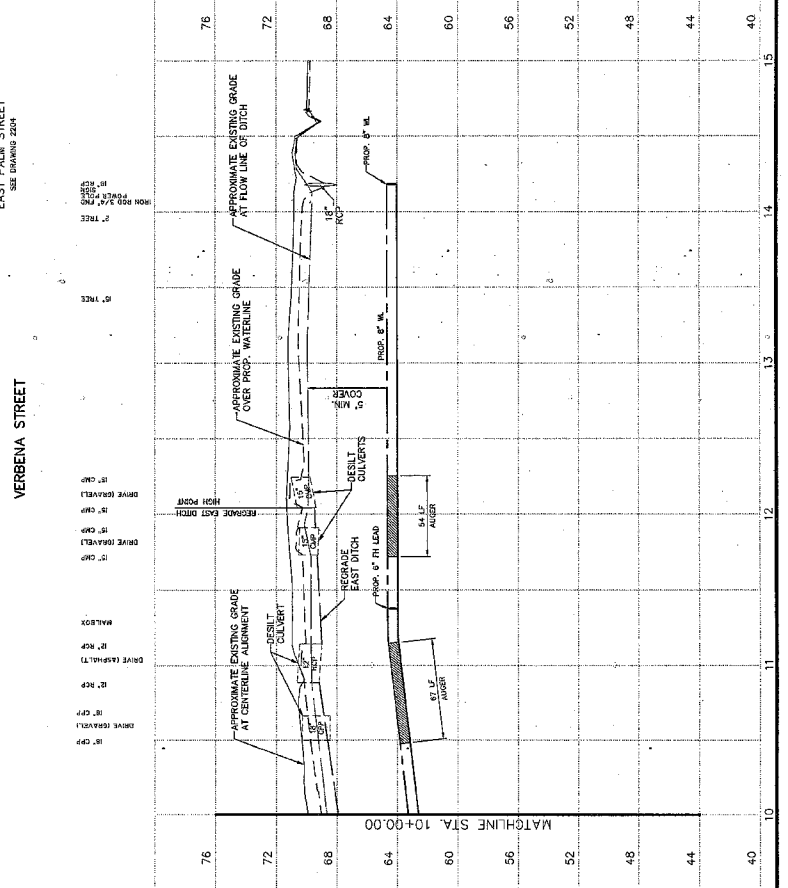
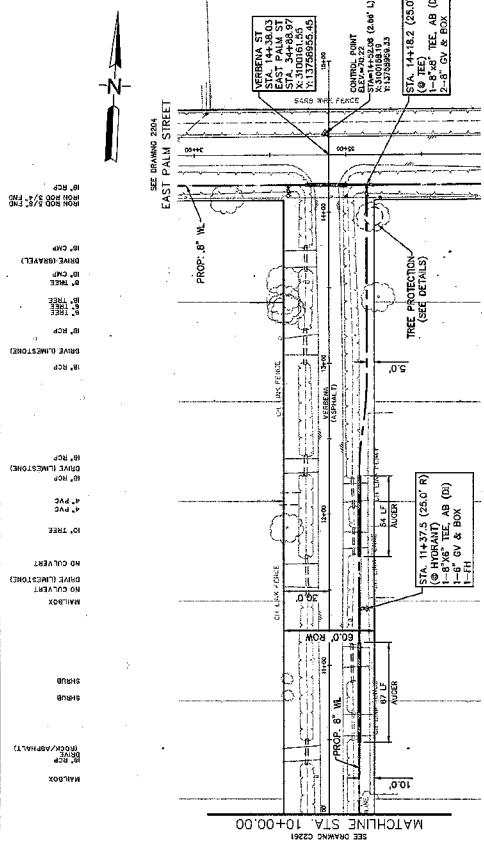
NO.	DESCRIPTION	DATE	BY	CHK.



**JACOBS**  
 FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1  
 PHASE II  
 WATERLINE IMPROVEMENTS

VERBERNA STREET  
 STA. 10+00.00 TO STA. 15+00.00

PROJECT NO.	100002114
DATE	APR 2014
SCALE	1" = 40'
SHEET	46
DATE	APR 2014
BY	J. COPPOLATO
CHECKED	C. C. ZANETTI
DATE	4/15/15
PROJECT NO.	C2262
SHEET NO.	OF 88



**FOR BIDDING UTILITY INFORMATION**

CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND DEPTHS PRIOR TO CONSTRUCTION. YOU ARE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND AGENCIES TO CONDUCT THE WORK. CONTACT THE UTILITY OWNERS FOR ANY UTILITY INFORMATION. (SEE APPROPRIATE CADD FOR UTILITY INFORMATION.)  
 (OR) 1-800-669-8344 (Local Star 811)  
 (OR) 1-800-545-5005 (texas811)  
 (OR) 1-800-669-8344 (Local Star 811)  
 www.texas811.com  
 www.houston811.com

**PROJECT BENCHMARKS:**  
 BENCHMARK DESIGNATED 'M' 668.80 ELEVATION IS 18 FEET EAST OF WEST END OF SOUTH CONCRETE ROADPALL OF AB OF THE FUTURE INTERSECTION OF EAST PALM STREET AND SOUTH OF THE INTERSECTION OF VERBERNA STREET AND 10 FEET SOUTH OF THE CENTERLINE OF DALLAS RD.  
 ELEVATION TO 7.0 FEET (MAD 89)

**NOTES:**  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES  
 2. CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL FINISH GRADE UNLESS NOTED OTHERWISE.  
 3. FIRE HYDRANTS TO BE INSTALLED 3' OFF  
 4. ALL WATERMAIN CROSSING CONCRETE STREETS, SHALL BE INSTALLED UNDERNEATH THE ROADWAY AT LEAST 2' EACH SIDE OF PAVEMENT.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTRAL RECORDS AT 713-203-2227 FOR THE UTILITY LOCATOR SERVICE.  
 If you are any, you are required to take care to call 811 or local 811 to mark the location of all underground utilities before any excavation work is performed. This includes but is not limited to:  
 - Electric  
 - Gas  
 - Sewer  
 - Water  
 - Stormwater  
 - Communications  
 - Other

**VERIFICATION OF PRIVATE UTILITY LINES**  
 Date: 4/6/15  
 By: [Signature]

Contractor shall verify all existing and proposed utility lines to be installed on the project. The Contractor shall be responsible for the accuracy of all utility line information. (See contract for additional details.)

Date: 4/15/15  
 By: [Signature]

Date: 4/15/15  
 By: [Signature]

**JACOBS**  
 FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1  
 PHASE II  
 WATERLINE IMPROVEMENTS

VERBERNA STREET  
 STA. 10+00.00 TO STA. 15+00.00

PROJECT NO. 100002114  
 DATE APR 2014  
 SCALE 1" = 40'  
 SHEET 46  
 DATE APR 2014  
 BY J. COPPOLATO  
 CHECKED C. C. ZANETTI  
 DATE 4/15/15  
 PROJECT NO. C2262  
 SHEET NO. OF 88

DATE: 4/15/15  
 BY: [Signature]  
 TITLE: PROJECT MANAGER  
 PROJECT: VERBERNA STREET



FOR URBAN UTILITY INFORMATION  
CALL 811  
BEFORE YOU DIG!  
FOR L-800-456-8111  
FOR L-800-456-8111  
FOR L-800-456-8111  
www.bend1811.com

**PROJECT BENCHMARK:**  
NAD 83 DATUM, EXISTING 12" WATERLINE  
WEST END OF SOUTH COUNTY FRESHWATER  
SUPPLY DISTRICT NO. 1 AT STATION  
52+00.00 APPROXIMATELY 50 FEET EAST OF THE  
CENTERLINE OF DALLAS ST. ELEVATION 70.70 FEET (BAND B0)

**NOTES:**  
1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES  
AND NEIGHBORHOODS AT ALL TIMES.  
2. CONTRACTOR SHALL RETURN DITCHES TO  
ORIGINAL LOCATION AND CONDITION OR BETTER  
UNLESS NOTED OTHERWISE.  
3. FIRE HYDRANTS TO BE INSTALLED 3' OFF  
STREET CENTERLINE.  
4. ALL WATERLINES CROSSING COUNTY STREETS  
SHALL BE INSTALLED AT LEAST  
5' EACH SIDE OF PAVEMENT.

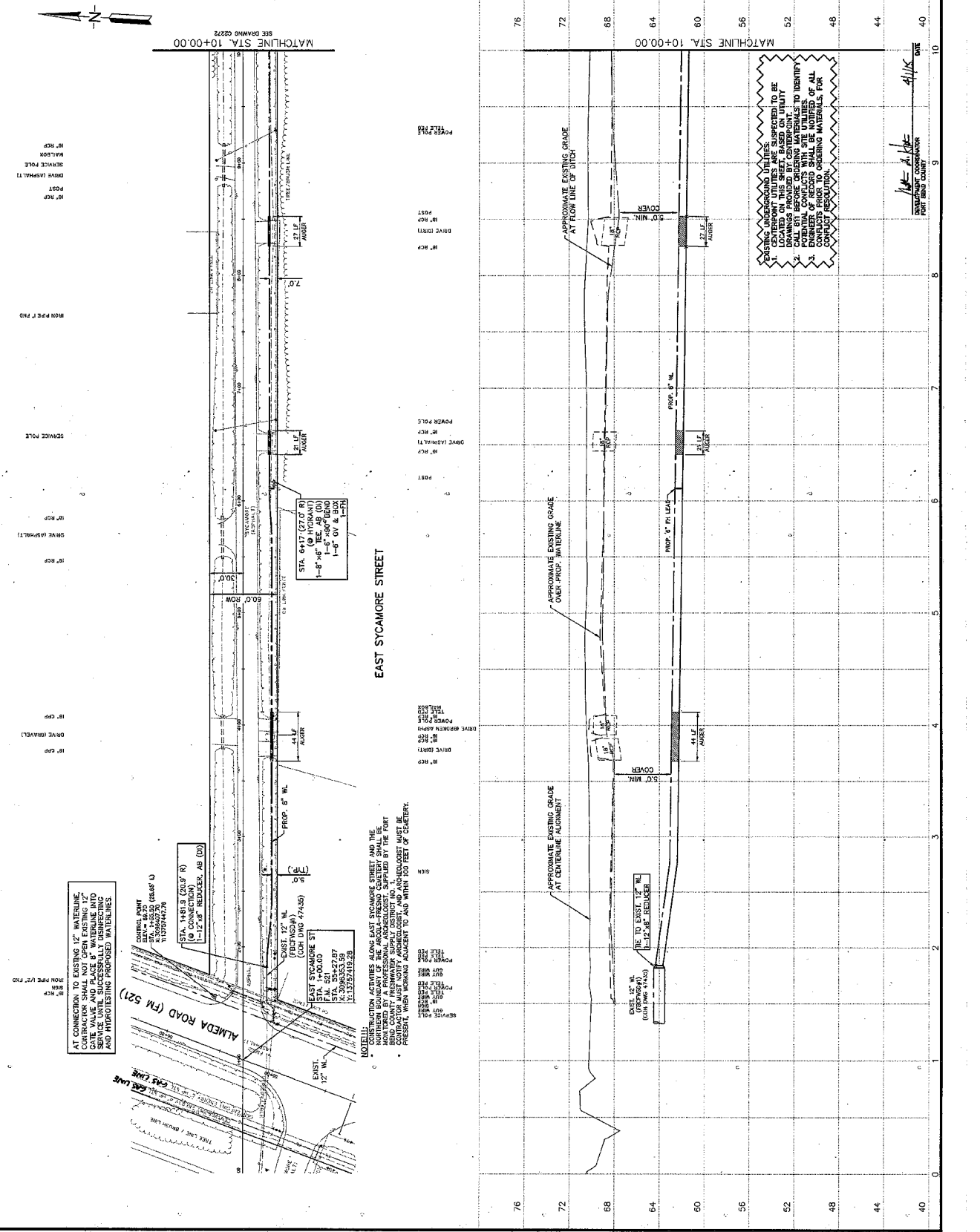
**TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERLINE AT 753-291-2222**  
**NOTICE:**  
For your safety, this is required by law to call all utility lines before you dig. This includes gas, electric, telephone, cable, and other lines. This is a public safety issue.  
**VERIFICATION OF PRIVATE UTILITY LINES**  
Date: 4/16/15  
Contractor: [Signature]  
Date: 4/16/15  
Date: 4/16/15

**JACOBS**  
CONSULTING ENGINEERS, INC.  
7000 N. DEER CREEK ROAD, SUITE 100  
DALLAS, TEXAS 75251

**PEARMAN**  
REGISTERED PROFESSIONAL ENGINEER  
WATERLINE IMPROVEMENTS  
PHASE II  
SUPPLY DISTRICT NO. 1  
WATERLINE IMPROVEMENTS

NO.	DESCRIPTION	DATE	BY	CHK.

PROJECT NO.	14-00000	SHEET NO.	47
DATE	APRIL 2014	DRAWN BY	J. GOSSETTE
SCALE	AS SHOWN	CHECKED BY	G. SMITH
PROJECT NAME	EAST SYCAMORE STREET STA. 0+00.00 TO STA. 10+00.00		



**AT CONNECTION TO EXISTING 12" WATERLINE,**  
CONTRACTOR SHALL PROVIDE 12" WATERLINE  
WITH A 12" REDUCER TO A 12" WATERLINE.  
CONTRACTOR SHALL PROVIDE 12" WATERLINE  
WITH A 12" REDUCER TO A 12" WATERLINE.

CONTROL POINT  
ELEVATION 70.70 FEET (BAND B0)  
EAST SYCAMORE ST  
STA. 0+00.00  
EAST SYCAMORE ST  
STA. 5+54.2787  
EAST SYCAMORE ST  
STA. 3+55.241928

**NO CONSTRUCTION ACTIVITIES ALONG EAST SYCAMORE STREET AND THE NORTHERN BOUNDARY OF THE ARCOLA-FRESHWATER CENTER SHALL BE PERMITTED WITHIN THE RIGHT OF WAY OF EAST SYCAMORE STREET FROM STA. 0+00.00 TO STA. 10+00.00. ALL CONSTRUCTION MUST BE PRESIDENT, WHEN WORKING ADJACENT TO AND WITHIN 100 FEET OF CURBWEY.**

**EXISTING UNDERGROUND UTILITIES:**  
1. SHOWN IN THIS DRAWING ARE TO BE LOCATED ON THIS SHEET. ANY UTILITIES NOT SHOWN ARE TO BE IDENTIFIED BY THE ENGINEER.  
2. POTENTIAL CONFLICTS WITH SITE UTILITIES SHALL BE IDENTIFIED BY THE ENGINEER.  
3. ENGINEER SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.



FOR BURIED UTILITY INFORMATION  
 CALL 811  
 BEFORE YOU DIG CALL 811  
 (OR 1-800-545-5005 Texas 811)  
 (OR 1-800-886-8844 Lone Star 811)  
 FOR MORE INFORMATION, VISIT OUR WEBSITE  
 www.811.org

**PROJECT BENCHMARK:**  
 THIS BENCHMARK IS APPROXIMATELY 10 FEET EAST OF  
 THE SOUTH CORNER OF PLATON'S OF AN OFFICE  
 BUILDING APPROXIMATELY 10 FEET EAST OF THE  
 CENTERLINE OF SULLY RD.  
 ELEVATION TO TOP FEET (MAY BE)

- NOTES:**
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  - CONTRACTOR SHALL RETURN UTILITIES TO ORIGINAL DEPT. OR OWNER UNLESS NOTED OTHERWISE
  - ALL UTILITIES TO BE INSTALLED SHALL BE 5' FROM THE CENTERLINE OF SULLY RD.
  - ALL UTILITIES CROSSING COUNTY STREETS SHALL BE 5' FROM THE CENTERLINE OF SULLY RD.
  - 5' EACH SIDE OF PAVEMENT.

**TO ARRANGE FOR LINES TO BE TAPPED OR MOVED, CALL CONTRACTOR AT 715-591-7222**

**NOTICE:**  
 FOR YOUR SAFETY, YOU ARE REQUESTED TO CALL 811 AT LEAST 48 HOURS BEFORE ANY EXCAVATION WORK IS TO BE PERFORMED. THIS NOTICE IS NOT A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED.

**VERIFICATION OF PRIVATE UTILITIES:**  
 CONTRACTOR SHALL VERIFY ALL PRIVATE UTILITIES TO BE TAPPED OR MOVED. (SEE DRAWING C272)

**APPROVED:**  
 [Signature] Date: 4/17/14  
 [Signature] Date: 4/17/14  
 [Signature] Date: 4/17/14

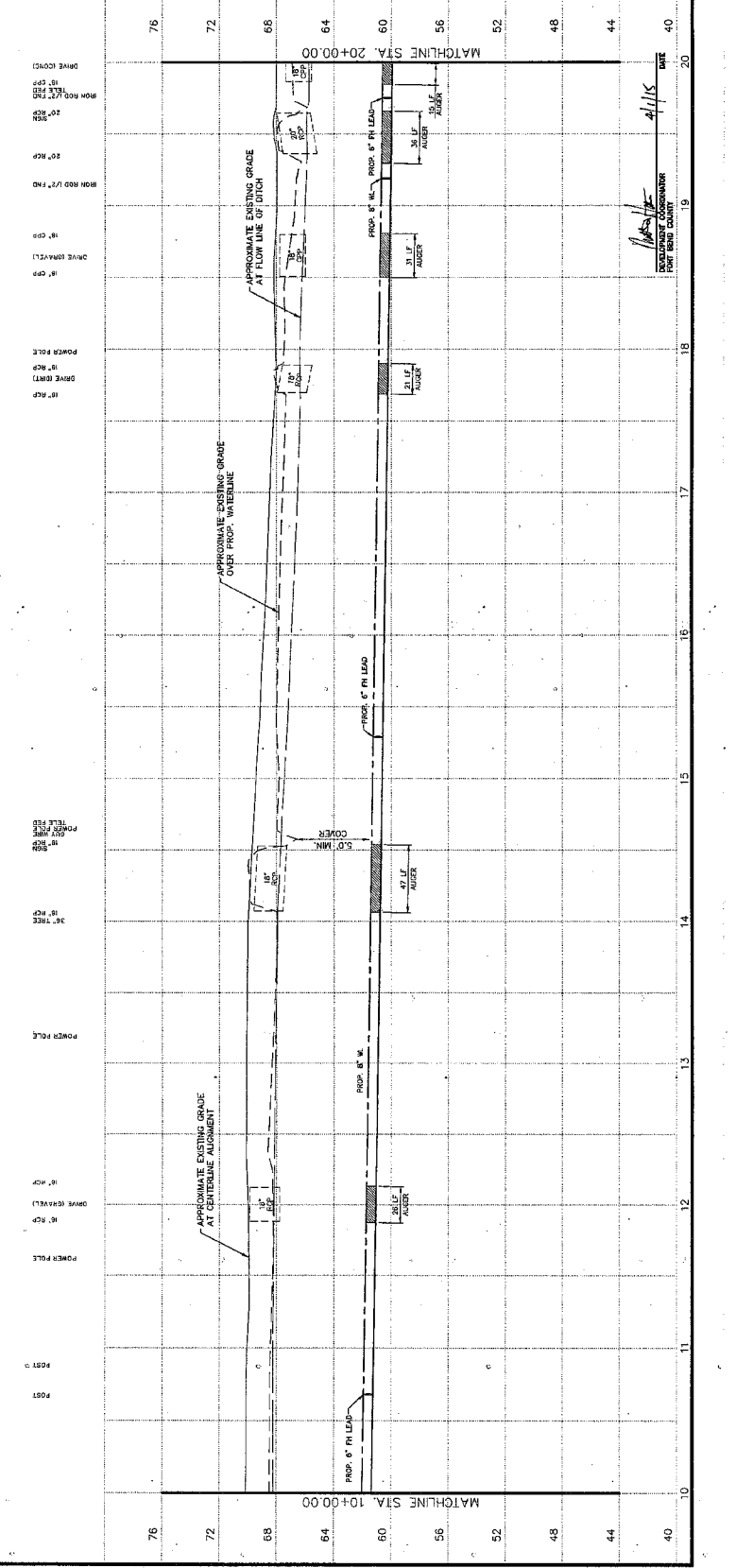
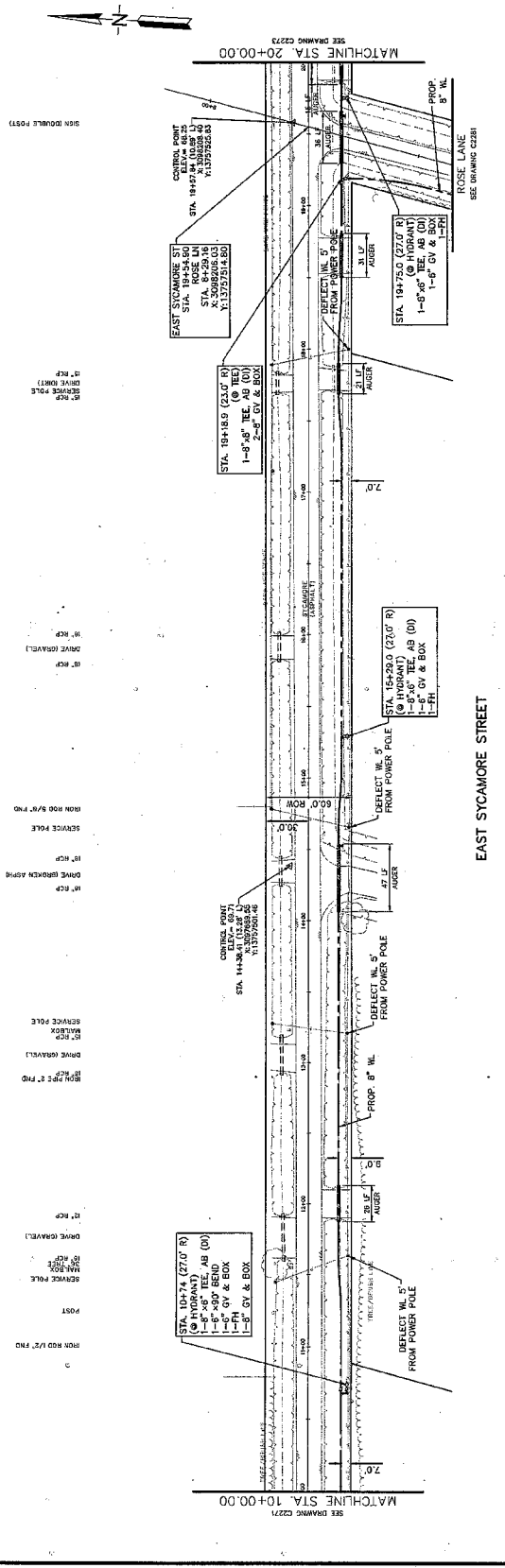
**FOR CONTRACTOR USE:**  
 DATE: [ ] [ ] [ ] [ ] [ ] [ ]  
 TIME: [ ] [ ] [ ] [ ] [ ] [ ]

NO.	DATE	DESCRIPTION	DATE	DRAWN	CHECK
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					



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

PROJECT NO. WAB27214	SHEET NO. 48
DATE: APR. 2014	SCALE: 1" = 40'
DESIGNED BY: [ ]	CHECKED BY: [ ]
DRAWN BY: [ ]	DATE: [ ] [ ] [ ]
APPROVED BY: [ ]	DATE: [ ] [ ] [ ]



**811**

FOR WILD URBAN PROVISION  
CALL BEFORE YOU DIG CALL 811.  
OR 1-800-445-2000 (texas811)  
OR 1-800-495-8544 (Lake Star 811)  
OR 1-800-495-8544 (Lake Star 811)  
www.texas811.org  
www.lakestar811.com

**PROJECT BENCHMARKS:**  
FOR THE PROJECT BENCHMARKS, THE  
DOOR PINS IN TOP AND APPROXIMATELY 18 FEET EAST OF  
EAST END OF SOUTH CORNER, MEASUREMENTS OF AN IRON  
NAIL TO THE CENTERLINE OF THE ROAD TO BE CONSIDERED  
AS THE CENTERLINE OF THE ROAD. THE CENTERLINE OF THE  
ROAD EAST APPROXIMATELY 30 FEET EAST OF THE  
CENTERLINE OF DALLAS RD. 2.0 FEET FROM THE CENTERLINE  
ELEVATION TO FEET (MVD 89)

**NOTES:**  
1. ALL UTILITIES SHALL PROVIDE ACCESS TO HOMES  
AND BEARS SHALL RETURN UTILITIES TO  
2. CONTRACTOR SHALL RETURN UTILITIES TO  
UNLESS NOTED OTHERWISE.  
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR  
4. ALL UTILITIES CROSSING COUNTY STREETS  
5' EACH SIDE OF PAVEMENT.

TO ARRANGE FOR LINES TO BE TURNED OFF OR  
MAYED, CALL CENTER LINE AT 710-569-2922.  
**NOTICE:**  
For your safety, you are required by Texas law to call 811 at least 48 hours  
before any excavation work can be started. This notification does  
not replace your obligations to 811.

**VERIFICATION OF PRIVATE UTILITY LINES**  
  
I hereby certify that the information provided herein was obtained through the  
American Institute of Professional Surveyors, Inc. (AIPSI) Texas Statewide Utility  
Verification Program. I am a member of AIPSI and am duly qualified to provide  
this service. I am not responsible for any utility lines that are not shown on  
this map, nor for any utility lines that are shown on this map but are not  
verified by AIPSI. I am not responsible for any utility lines that are not  
shown on this map but are located within the project limits.

DATE: 4/1/15  
DATE: 4/1/15

MIL	DESCRIPTION	DATE	BY	CHK

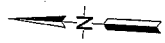
**JACOBS**  
FORT BEND COUNTY FRESHWATER  
SUPPLY DISTRICT NO. 1  
HOUSTON, TEXAS 77057  
PHONE: 281.553.6500  
WWW.JACOBS.COM

**PEARLAND**  
PHASE I  
WATERLINE IMPROVEMENTS  
EAST SYCAMORE STREET  
STA. 20+00.00 TO STA. 30+00.00

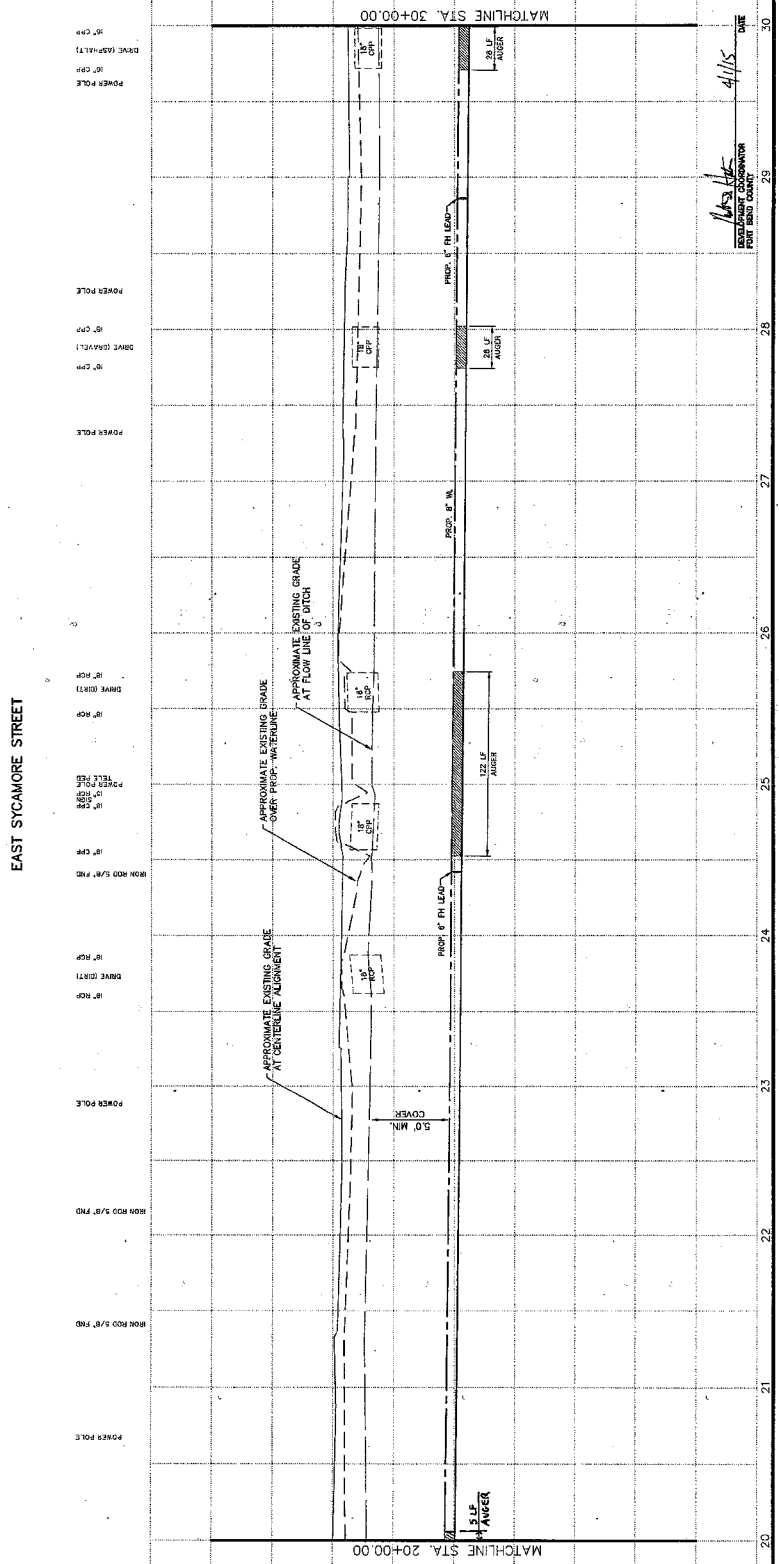
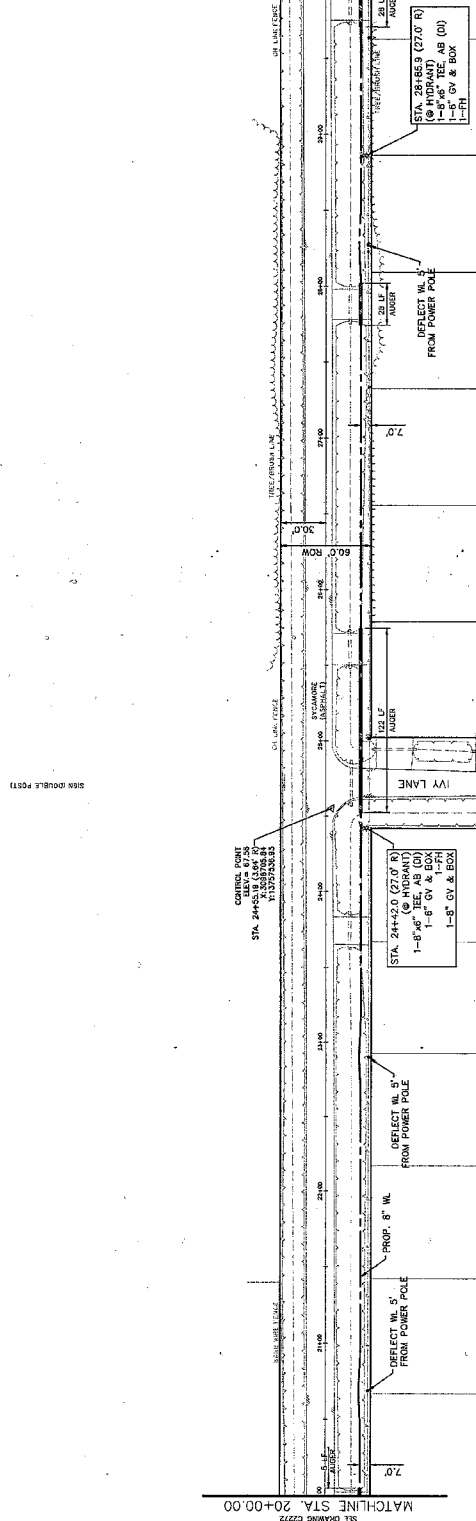
**JACOBS**  
FORT BEND COUNTY FRESHWATER  
SUPPLY DISTRICT NO. 1  
HOUSTON, TEXAS 77057  
PHONE: 281.553.6500  
WWW.JACOBS.COM

NO.	DATE	DESCRIPTION
1	APR. 2014	ISSUED FOR PERMIT
2	APR. 2014	REVISED
3	APR. 2014	REVISED
4	APR. 2014	REVISED

DATE: 4/1/15  
DRAWN: [Signature]  
CHECKED: [Signature]



MATCHLINE STA. 30+00.00  
SEE DRAWING C272



MATCHLINE STA. 20+00.00  
SEE DRAWING C272

**811**

FOR BUND UTILITY INFORMATION  
 CALL 811 OR VISIT WWW.811.COM  
 (OR 1-800-545-8822 TOLL-FREE)  
 (OR 1-800-898-8344 Local Area Call)

PROJECT DESIGNER: W. 1688  
 4635 S. RIVERSIDE AVENUE, SUITE 100  
 DENVER, CO 80221  
 (303) 733-8111  
 WWW.WOODARDCLARK.COM

- PRODUCT RECOMMENDATIONS:  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES  
 2. CONTRACTOR SHALL RETURN DIGITIES TO  
 ORIGINAL CONDITION OR BETTER  
 3. FIRE HYDRANTS TO BE INSTALLED 3' OFF  
 GROUND SURFACE  
 4. ALL WATERLINES CROSSING COUNTY STREETS,  
 STREETS OR ALLEYS SHALL BE ADJURED AT LEAST  
 5' BACK SIDE OF PAVEMENT.

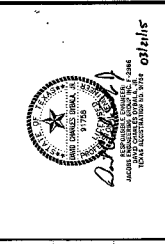
NOTES:  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES  
 2. CONTRACTOR SHALL RETURN DIGITIES TO  
 ORIGINAL CONDITION OR BETTER  
 3. FIRE HYDRANTS TO BE INSTALLED 3' OFF  
 GROUND SURFACE  
 4. ALL WATERLINES CROSSING COUNTY STREETS,  
 STREETS OR ALLEYS SHALL BE ADJURED AT LEAST  
 5' BACK SIDE OF PAVEMENT.

TO ARRANGE FOR LINES TO BE TURNED OFF OR  
 MOVED, CALL CENTRAL ENERGY AT 713-507-2222  
 For your safety, you are required to have lines cut at least 24 hours  
 in advance. For more information, visit our website at  
 www.centralenergy.com

VERIFICATION OF PRIVATE UTILITY LINES  
 Date: 4/14/15  
 Signature: [Signature]  
 Title: Utility Verification Clerk

DATE: 4/14/15  
 TIME: 10:00 AM  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]

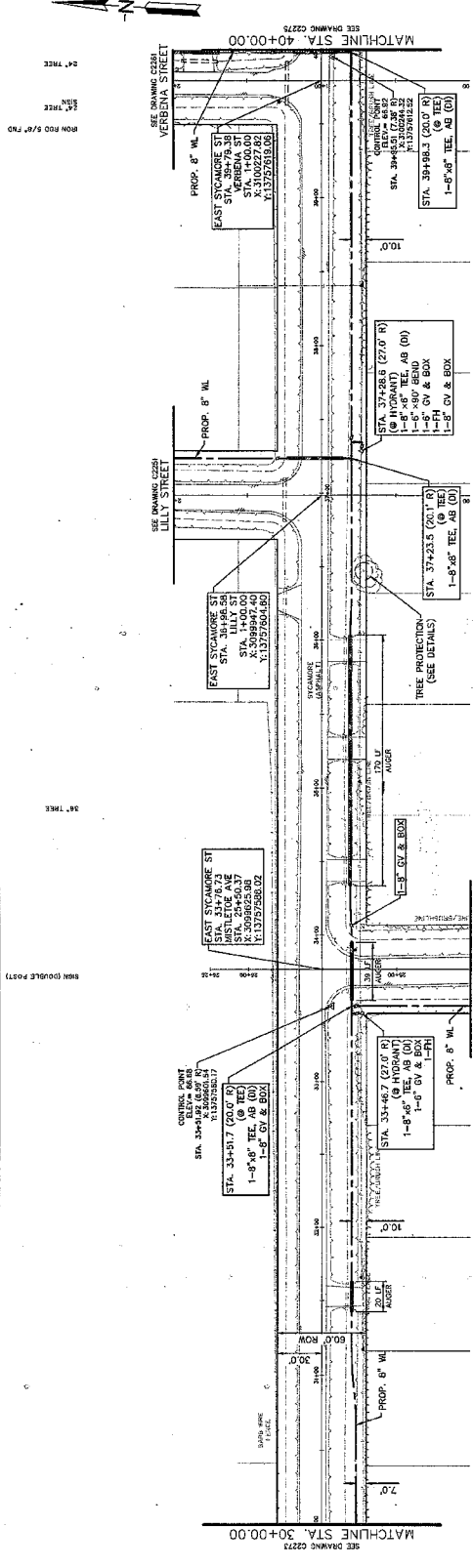
NO.	DESCRIPTION	DATE	EDR	CHK.



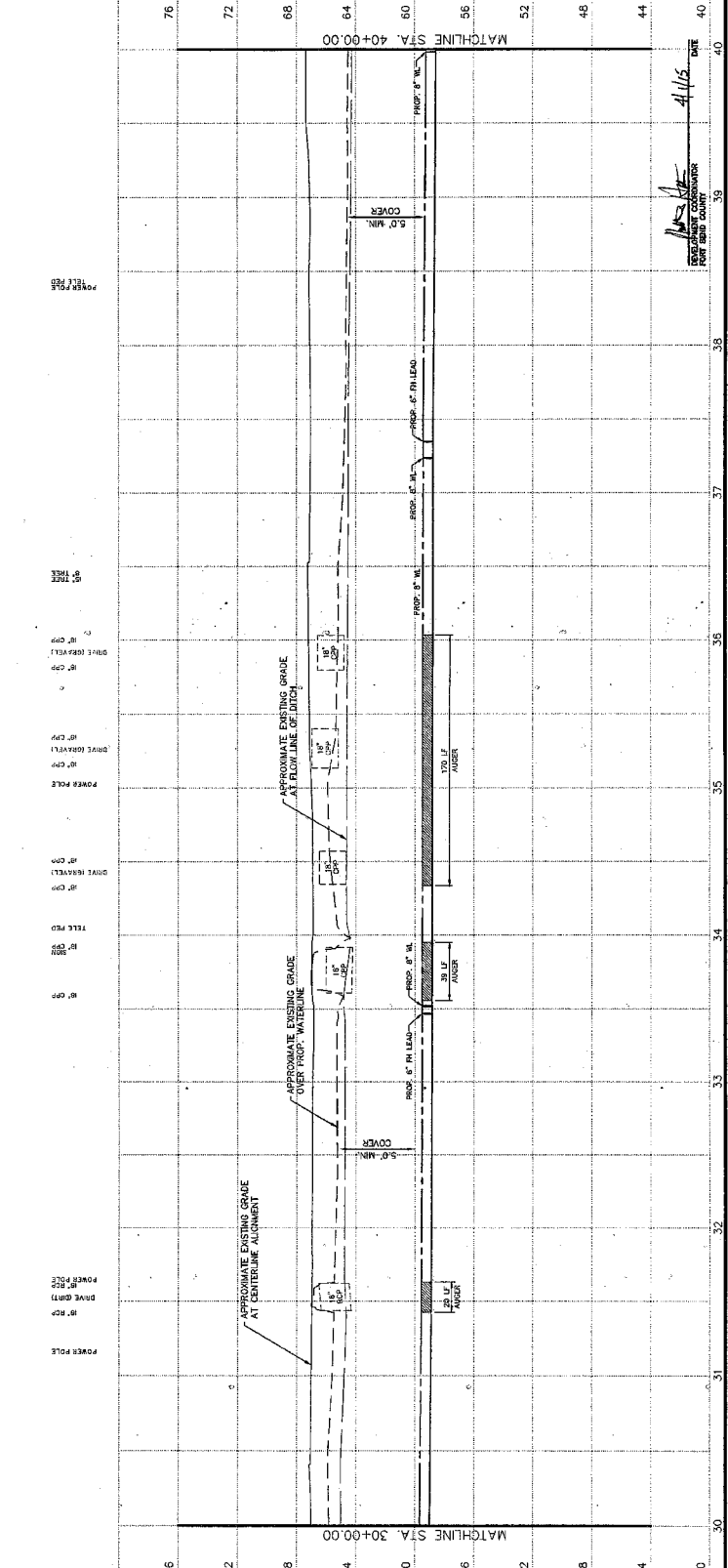
**JACOBS**  
 10000 WESTCHASE DRIVE, SUITE 200  
 HOUSTON, TEXAS 77036  
 WWW.JACOBS.COM

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

PROJECT NO.	C2274
SHEET NO.	50
DATE	4/14/15
DESIGNED BY	[Signature]
CHECKED BY	[Signature]
DATE	4/14/15



**EAST SYCAMORE STREET**



STATIONING: 30+00.00 to 40+00.00

DATE: 4/14/15

DESIGNED BY: [Signature]

CHECKED BY: [Signature]



FOR BIDDING INQUIRY INFORMATION  
 CALL (800) 811-1234  
**811**  
 BEFORE YOU DIG CALL 811  
 (800) 811-1234 (toll free)  
 (800) 811-1234 (toll free)  
 www.811tx.com

**PROJECT BACKGROUND:**  
 THIS PROJECT IS PART OF THE  
 PROJECT TO IMPROVE THE  
 WATER MAINS AND TO PROVIDE  
 WATER SERVICE TO THE  
 AREAS EAST OF THE  
 CENTRAL EXPRESSWAY AND  
 SOUTH OF THE  
 RICHMOND AVENUE  
 ELEVATION TO FEET (MVD #8)

**NOTES:**  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES  
 2. CONTRACTOR SHALL RETURN DITCHES TO  
 ORIGINAL OR BETTER CONDITION UNLESS  
 OTHERWISE NOTED OTHERWISE.  
 3. RISE POINTS TO BE INSTALLED 2' OFF  
 FINISH GRADE.  
 4. ALL WATERLINES CROSSING COUNTY STREETS,  
 AVENUES, OR HIGHWAYS, SHALL BE PROTECTED AT LEAST  
 5' EACH SIDE OF PAVEMENT.

TO ARRANGE FOR LINES TO BE TURNED OFF OR  
 MOVED, CALL GUNTER ENERGY AT 713-297-2222.  
**NOTICE:**  
 For your safety, you are required to stay back at least 40 feet  
 from any excavation. If a person is injured or killed, the  
 contractor shall be liable for all costs.  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION  
 OF ALL UTILITIES AND SHALL BE RESPONSIBLE FOR OBTAINING ALL  
 NECESSARY PERMITS FROM ALL AFFECTED AGENCIES.

**VERIFICATION OF PRIVATE UTILITY LINES**  
 Date: 4/18/15  
 Checked By: [Signature]  
 Date: 4/18/15  
 Checked By: [Signature]

DATE DESCRIPTION DATE DINK DINK  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

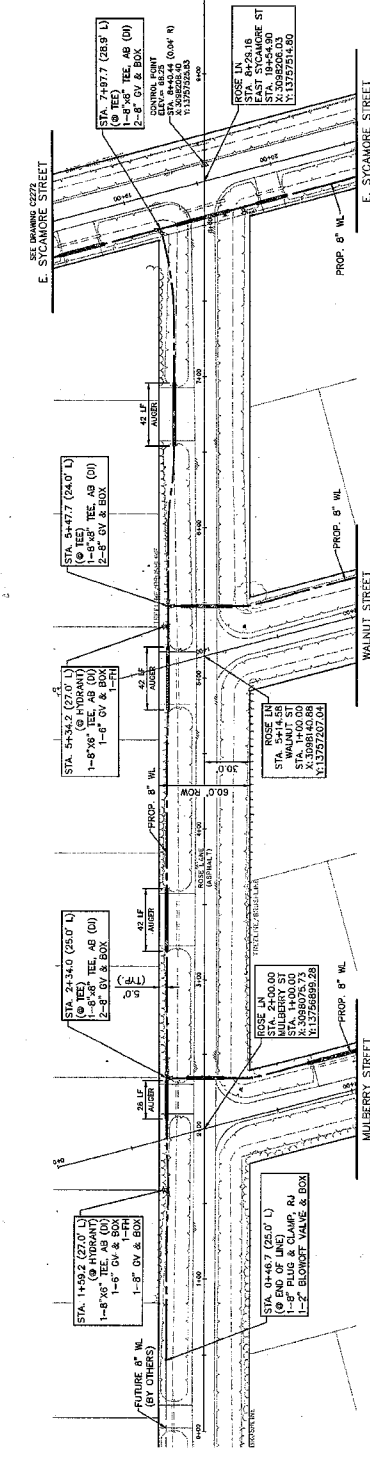
FOR FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1  
 WATERLINE IMPROVEMENTS  
 PHASE II  
 STA. D+00.00 TO STA. 9+00.00  
 PROJECT NO. WAD0002-01  
 DATE: APRIL 2014  
 SHEET: **52**  
 OF 86  
 CONTRACT NO. C2281



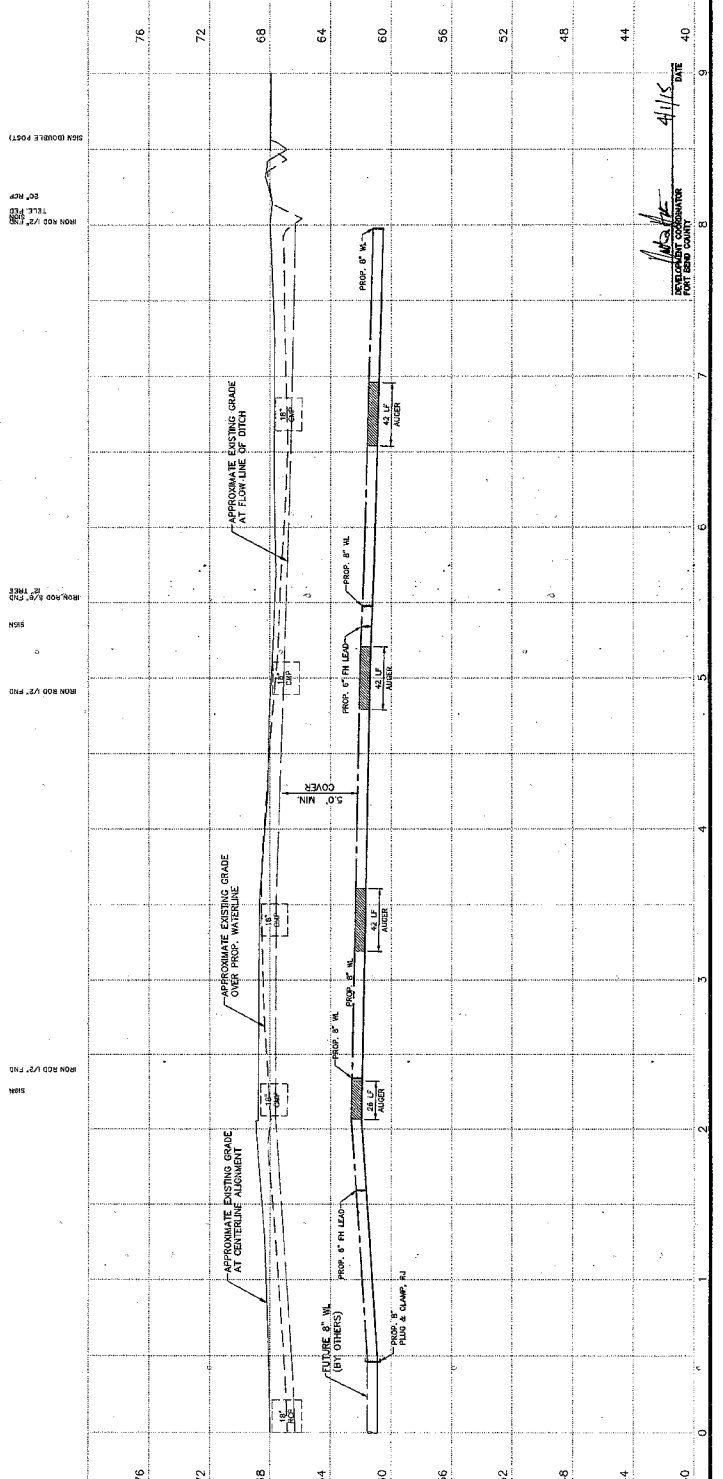
**JACOBS**  
 CONSULTING ENGINEERS  
 2301 WESTHELF DRIVE  
 HOUSTON, TEXAS 77077  
 WWW.JACOBS.COM

ROSE LANE  
 STA. D+00.00 TO STA. 9+00.00

20' RCP  
 18" RCP  
 15" RCP  
 12" RCP  
 10" RCP  
 8" RCP  
 6" RCP  
 4" RCP  
 3" RCP  
 2" RCP  
 1" RCP



ROSE LANE



DATE: 4/15/15  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]



FOR BIDDING DELIVERY INFORMATION  
 TWO (2) BUSINESS DAYS  
 BEFORE DELIVERY DATE  
 (OR 1-800-545-5000 (tombarr1))  
 (OR 1-800-556-8344 Lane Site #11)  
 PROJECT NUMBER ONE CALL  
 www.lanecelest1.com

PROJECT BENCHMARKS  
 ALL BENCHMARKS TO BE 18 FEET EAST OF  
 WEST END OF SOUTH CONCRETE HEADWALL OR 18 FEET  
 EAST OF WEST END OF SOUTH CONCRETE HEADWALL  
 ROAD EAST APPROXIMATELY 10 FEET EAST OF THE  
 CENTERLINE OF DALLAS RD  
 ELEVATION TO 10 FEET (NAD 83)

- NOTES:
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  - CONTRACTOR SHALL RETURN DITCHES TO  
UNLESS NOTED OTHERWISE
  - FIRE HYDRANTS TO BE INSTALLED 3' OFF  
CROWN OF ROAD
  - ALL WATERLINES CROSSING COUNTY STREETS,  
OR OTHER PUBLIC RIGHTS-OF-WAY, SHALL BE  
5' EACH SIDE OF PAVEMENT

TO ARRANGE FOR LINES TO BE TURNED OFF OR  
 MOVED, CALL CENTERPOINT ENERGY AT 713-261-2222  
 AT LEAST 10 BUSINESS DAYS BEFORE THE START  
 OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE  
 FOR THE COST OF TURNING OFF OR MOVING THE LINES  
 AND FOR THE COST OF ANY DAMAGE TO THE LINES  
 CAUSED BY THE CONTRACTOR'S WORK.

VERIFICATION OF PRIVATE UTILITY LINES  
 CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH  
 OF ALL PRIVATE UTILITIES PRIOR TO THE START OF  
 THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE  
 FOR THE COST OF ANY DAMAGE TO THE UTILITIES  
 CAUSED BY THE CONTRACTOR'S WORK.

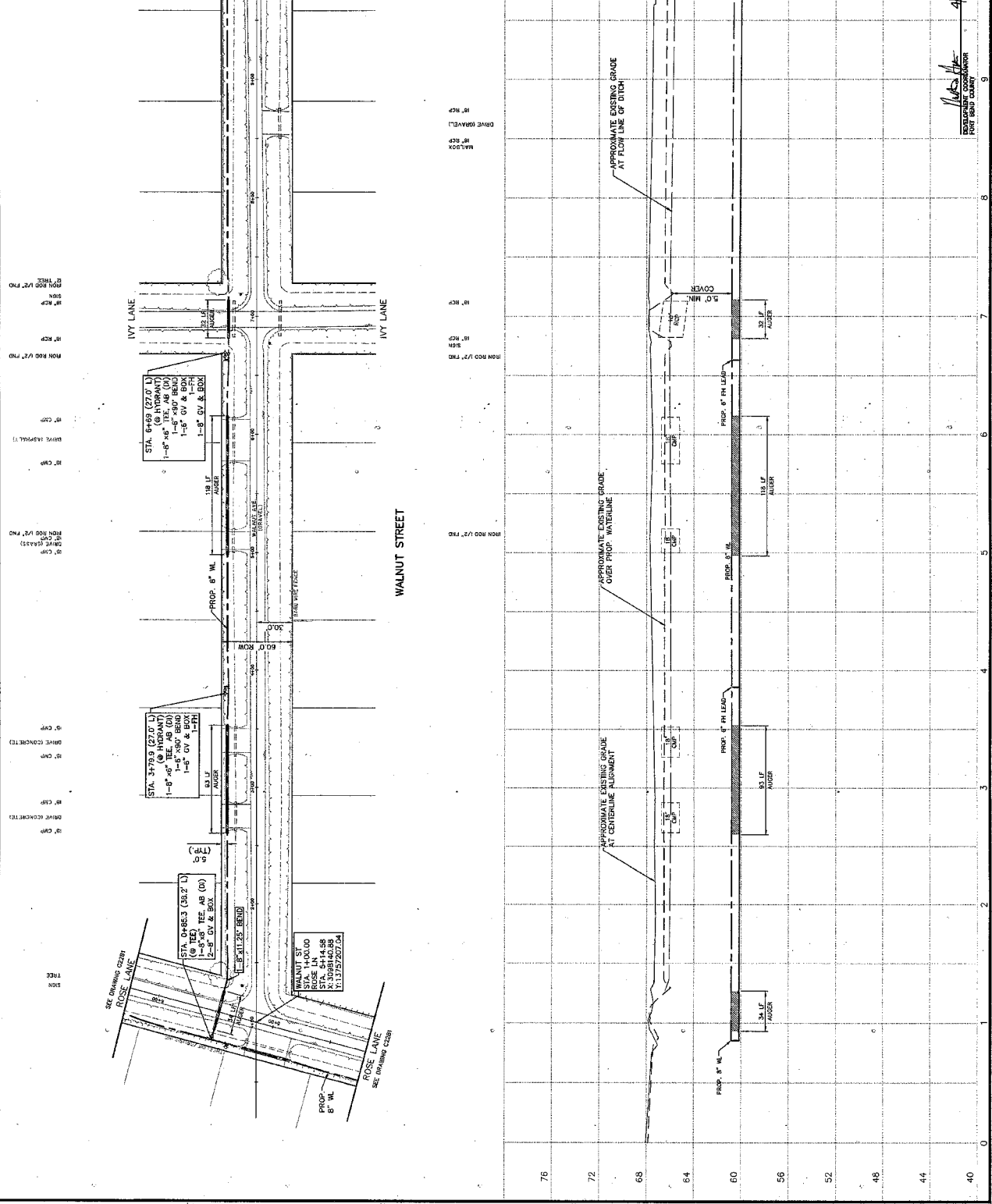
DATE: 4/16/15  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 DATE: 4/15/15  
 PROJECT: [Signature]

JACOBS  
 15000 WEST LANE ROAD  
 SUITE 100  
 FORT WORTH, TEXAS 76154  
 PHONE: 817.339.6000

FRONT HEND COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE II -  
 WATERLINE IMPROVEMENTS

WALNUT STREET  
 STA. 0+00.00 TO STA. 10+00.00

SCALE: 1" = 40'  
 DATE: 4/15/15  
 PROJECT NO.: C2291  
 SHEET NO.: 53 OF 85



STATION	DESCRIPTION	DATE
76		
72		
68		
64		
60		
56		
52		
48		
44		
40		

APPROXIMATE EXISTING GRADE  
 AT CENTERLINE ALIGNMENT

APPROXIMATE EXISTING GRADE  
 OVER PROPOSED WATERLINE

APPROXIMATE EXISTING GRADE  
 AT FLOW LINE OF DITCH

WALNUT STREET  
 STA. 0+00.00 TO STA. 10+00.00

DATE: 4/15/15









**PROJECT BENCHMARKS:**  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES.  
 2. CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL GRADE UNLESS NOTED OTHERWISE.  
 3. ALL UTILITIES SHALL BE COVERED AND PROTECTED.  
 4. ALL UTILITIES CROSSING COUNTY STREETS SHALL BE COVERED AND PROTECTED AT EACH END AND SHALL BE MARKED AT EACH END.  
 5. EACH SIDE OF PAVEMENT.

**NOTES:**  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES.  
 2. CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL GRADE UNLESS NOTED OTHERWISE.  
 3. ALL UTILITIES SHALL BE COVERED AND PROTECTED.  
 4. ALL UTILITIES CROSSING COUNTY STREETS SHALL BE COVERED AND PROTECTED AT EACH END AND SHALL BE MARKED AT EACH END.  
 5. EACH SIDE OF PAVEMENT.

**TO ARRANGE FOR LINES TO BE TURNED OFF OR**  
**MOVED, CALL CENTER AT 715-569-5222**  
**NOTICE:**  
 If you dig, you are responsible for calling 811 at least 48 hours before you dig.  
 If you dig, you are responsible for marking the location of the utilities. (See website for details.) (See website for details.)  
 If you dig, you are responsible for marking the location of the utilities. (See website for details.) (See website for details.)

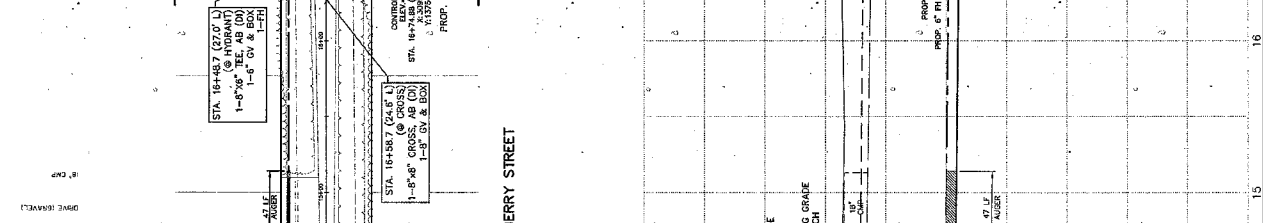
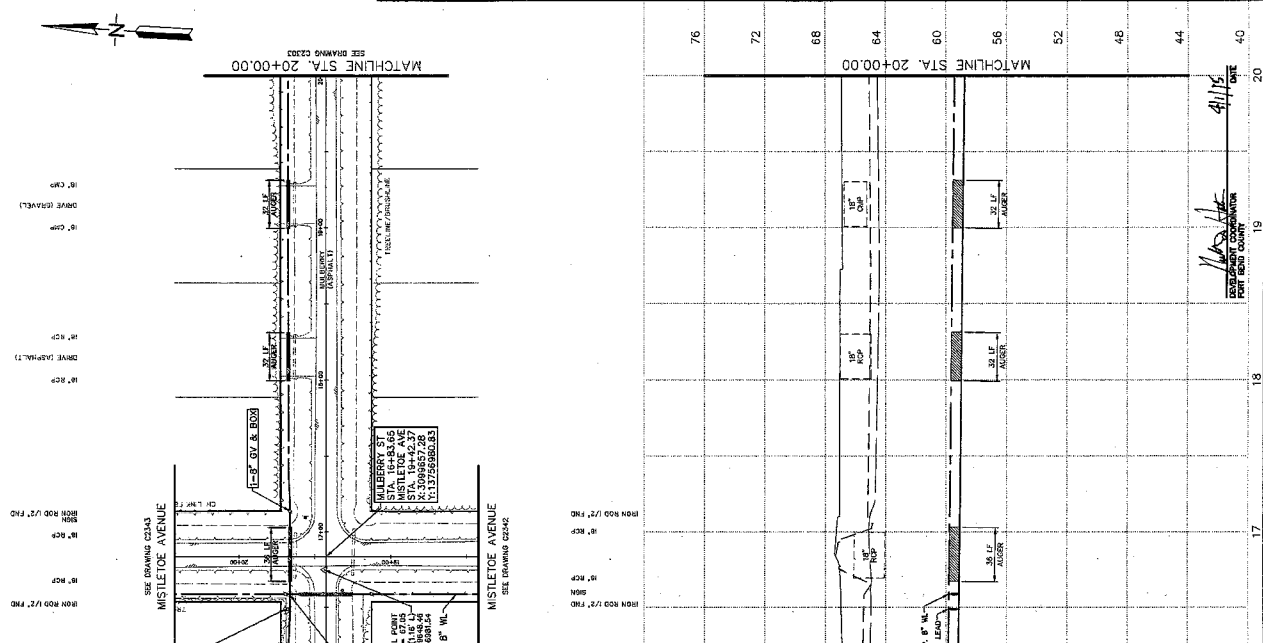
**VERIFICATION OF PRIVATE UTILITY LINES:**  
 Hammer 053 4/16/15  
 4/16/15  
 4/16/15  
 4/16/15  
 4/16/15  
 4/16/15

**FOR PRIVATE UTILITY INFORMATION:**  
 Call 811 before you dig.  
 If you dig, you are responsible for calling 811 at least 48 hours before you dig.  
 If you dig, you are responsible for marking the location of the utilities. (See website for details.) (See website for details.)

**JACOBS**  
 FORT BEND COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 HOUSTON, TEXAS 77077  
 PHONE: 281.283.8000

**PEARLAND**  
 FORT BEND COUNTY  
 WATERLINE IMPROVEMENTS  
 PHASE II  
 STA. 10+00.00 TO STA. 20+00.00

**811**  
 FOR BURIED UTILITY INFORMATION  
 CALL 811 BEFORE YOU DIG CALL 811  
 (OR 1-800-545-5005 TTY: 811)  
 (OR 1-800-545-5006 Line Stop 811)  
 www.call811.com



DATE	BY	DESCRIPTION
4/16/15	J.P.	ISSUED FOR PERMIT

DATE	BY	DESCRIPTION
4/16/15	J.P.	ISSUED FOR PERMIT

DATE	BY	DESCRIPTION
4/16/15	J.P.	ISSUED FOR PERMIT

DATE	BY	DESCRIPTION
4/16/15	J.P.	ISSUED FOR PERMIT

DATE	BY	DESCRIPTION
4/16/15	J.P.	ISSUED FOR PERMIT



FOR BUNDLED UTILITY INFORMATION  
 TWO (2) BUSINESS DAYS  
 BEFORE WORK SHALL CALL 811  
 (800) 485-5844 (TOLL FREE)  
 OR (214) 485-5844 (LOCAL SERVICE)  
 UTILITY NOTIFICATION ONE CALL  
 www.onecall811.com

PROJECT BENCHMARK: MISSISSIPPI VALLEY  
 WEST SIDE OF 10TH STREET (CROSSWALK) AT STA. 20+00.00  
 SOUTH SIDE OF 10TH STREET (CROSSWALK) AT STA. 20+00.00  
 CENTERLINE OF 10TH STREET  
 ELEVATION TO 10 FEET (NAVD 89)

- NOTES:
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  - CONTRACTOR SHALL RETURN DITCHES TO PRE-CONSTRUCTION CONDITIONS OR BETTER
  - PRE-INSTALLATION TO BE INSTALLED 3' OFF
  - ALL WATERLINES CROSSING COUNTY STREETS, INCLUDING LEADS, SHALL BE MARKED AT LEAST 3' EACH SIDE OF PAVEMENT.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-207-2222  
 NOTICE: This is a utility location plan only. It is not a construction plan. It is not to be used for construction purposes. It is to be used for utility location purposes only. It is not to be used for any other purpose. It is not to be used for any other purpose. It is not to be used for any other purpose.

VERIFICATION OF PRIVATE UTILITY LINES  
 Date: 4/1/15  
 Signature: [Signature]

Date: 4/1/15  
 Signature: [Signature]

Date: 4/1/15  
 Signature: [Signature]

Date: 4/1/15  
 Signature: [Signature]

Date: 4/1/15  
 Signature: [Signature]

Date: 4/1/15  
 Signature: [Signature]

Date: 4/1/15  
 Signature: [Signature]

Date: 4/1/15  
 Signature: [Signature]

Date: 4/1/15  
 Signature: [Signature]

Date: 4/1/15  
 Signature: [Signature]

Date: 4/1/15  
 Signature: [Signature]

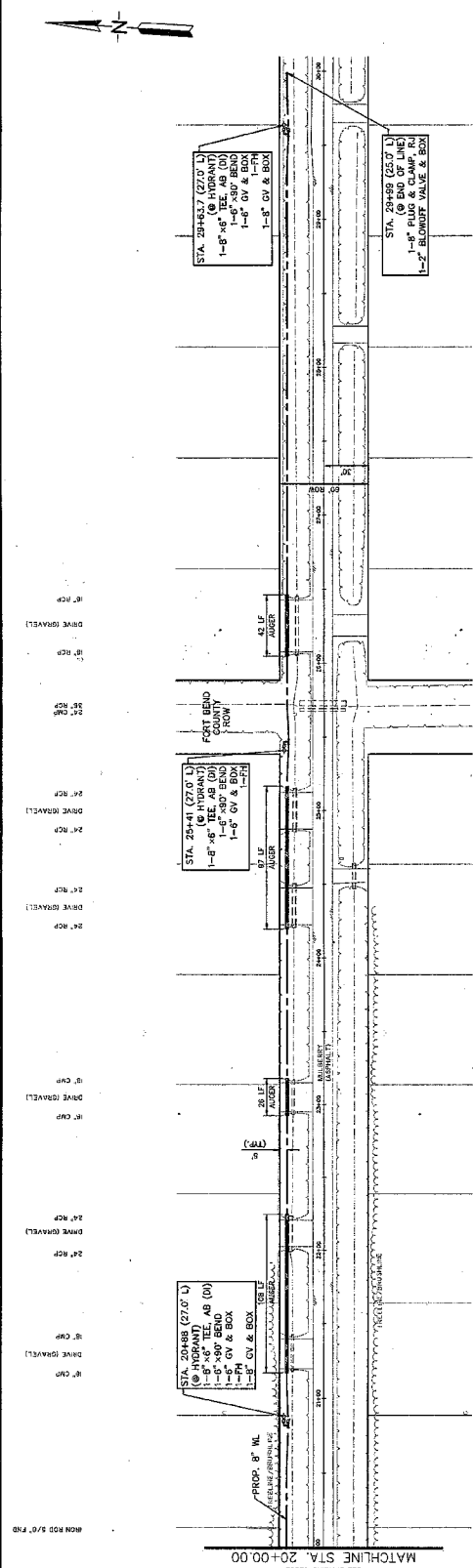
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Date: 4/1/15  
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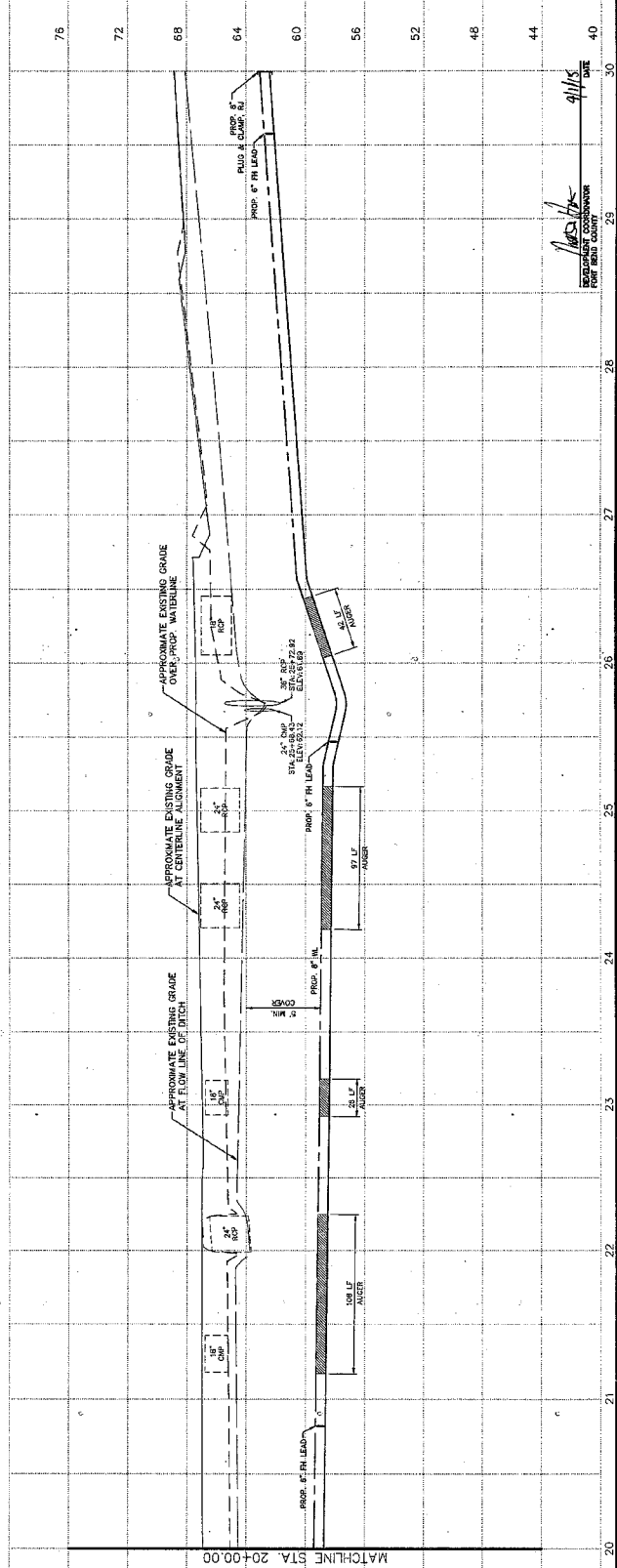
Date: 4/1/15  
 Signature: [Signature]

Date: 4/1/15  
 Signature: [Signature]

Date: 4/1/15  
 Signature: [Signature]



MULBERRY STREET



**JACOBS**  
 5909 ROCKWELL ROAD  
 FORT WORTH, TEXAS 76116

PHASE II - WATERLINE IMPROVEMENTS  
 FORT BEND COUNTY FRESHWATER SUPPLY CONTRACT NO. 1

MULBERRY STREET  
 STA. 20+00.00 TO STA. 30+00.00

PROJECT: WINDYBUSH  
 DATE: APR 2015  
 SHEET: 58 OF 86  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 PROJECT NO.: C2203

FOR BIDDING UTILITY INFORMATION  
 SEE PLAN SHEETS  
 BEFORE YOU CALL 811  
 (OR 1-800-545-6000 Texas811)  
 (OR 1-800-888-8344 Line Star 811)  
 (OR 1-800-888-8344 Line Star 811)  
 www.texas811.com  
 www.linestar811.com

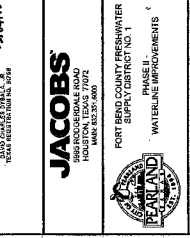
PROJECT BENCHMARK:  
 WNS DESIGNATED M 5958  
 APPROXIMATELY 10 FEET EAST OF  
 WEST END OF JOINT CONCRETE ASPHALT OF AS 87 PIKE,  
 20 FEET SOUTH OF WEST END OF JOINT CONCRETE ASPHALT  
 SIDEWALK, APPROXIMATELY 30 FEET EAST OF THE  
 CENTERLINE OF ILLINOIS AND 21 FEET NORTH OF THE  
 CENTERLINE OF CALLES RD.  
 ELEVATION 70.70 FEET (MVD 88)

NOTES:  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES  
 2. CONTRACTOR SHALL RETURN DITCHES TO  
 ORIGINAL OR BETTER CONDITION UNLESS  
 UNLESS NOTED OTHERWISE.  
 3. PIPE INTRUSION TO BE INSTALLED 2" OFF  
 4. ALL UTILITIES CROSSING COUNTY STREETS,  
 5. EACH SIDE OF PAVEMENT, LOCATED AT LEAST  
 6 FEET FROM EACH CURB LINE.

TO ARRANGE FOR LINES TO BE TURNED OFF OR  
 MOVED, CALL GRIFFIN UTILITIES AT 713-267-5222  
 FOR PRIOR APPROVAL. THESE LINES SHALL NOT BE  
 TURNED OFF OR MOVED UNLESS APPROVED IN  
 WRITING FROM GRIFFIN UTILITIES.  
 VERIFICATION OF PRIVATE UTILITY LINES

DATE: 4/16/15  
 DRAWN BY: J. H. HARRIS  
 CHECKED BY: J. H. HARRIS  
 DATE: 4/16/15  
 DRAWN BY: J. H. HARRIS  
 CHECKED BY: J. H. HARRIS  
 DATE: 4/16/15  
 DRAWN BY: J. H. HARRIS  
 CHECKED BY: J. H. HARRIS

NO.	DESCRIPTION	DATE	CHK.



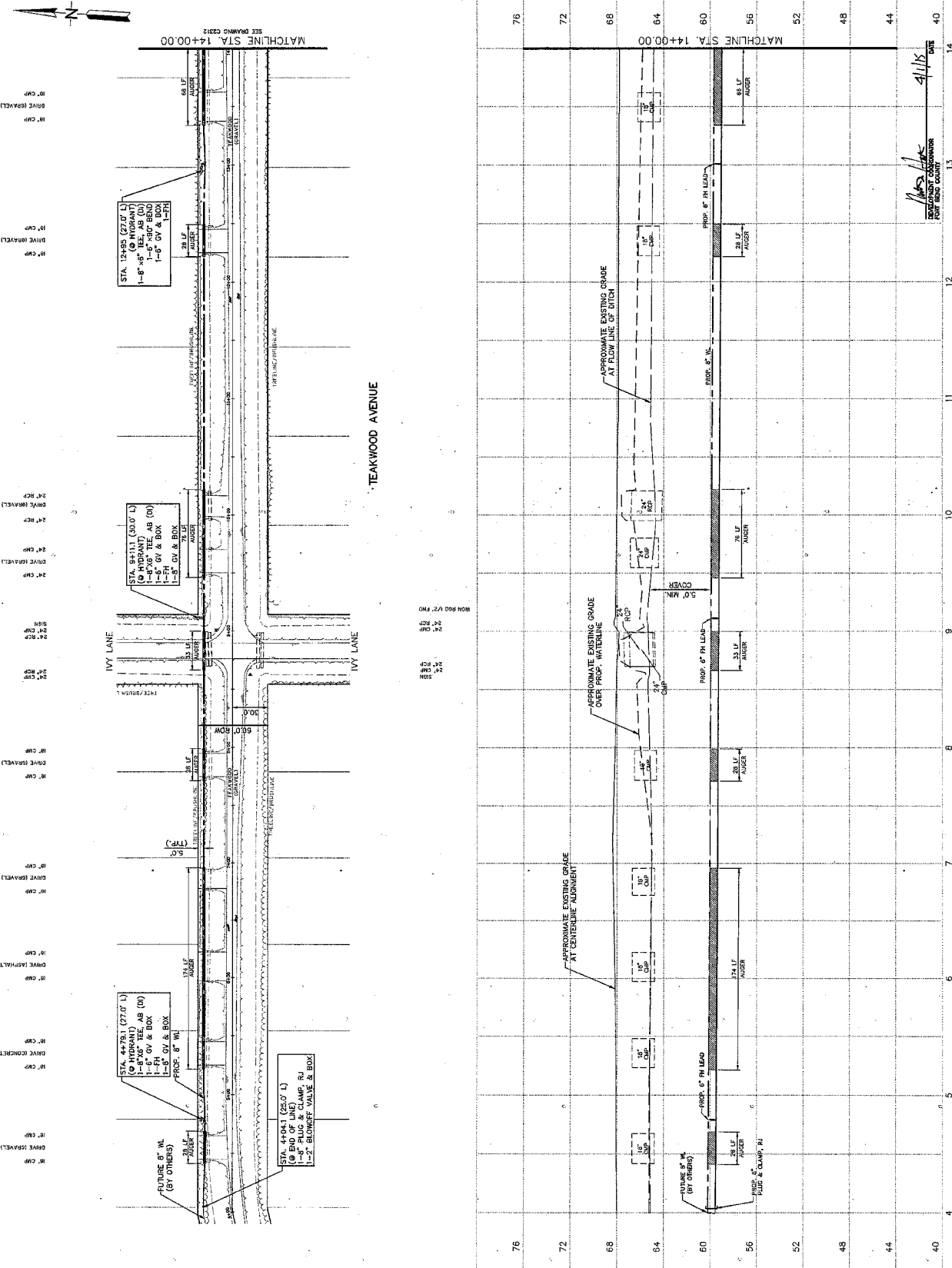
**JACOBS**  
 CONSULTING ENGINEERS  
 7011 WESTHELIUM DRIVE, SUITE 200  
 HOUSTON, TEXAS 77056  
 PHONE: 281.332.9000  
 FAX: 281.332.9001  
 WWW.JACOBS.COM

PHASE II -  
 WATERLINE IMPROVEMENTS

FORT BEND COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 HOUSTON, TEXAS 77056  
 WWW.FBWSDF.COM

TEAKWOOD AVENUE  
 STA. 4+00.00 TO STA. 14+00.00

PROJECT NO. 14-07  
 SHEET NO. 59  
 DRAWN BY: J. H. HARRIS  
 CHECKED BY: J. H. HARRIS  
 DATE: 4/16/15  
 C2311 OF 88



DATE: 4/16/15  
 DRAWN BY: J. H. HARRIS  
 CHECKED BY: J. H. HARRIS



PROJECT BENCHMARK NOS. DESIGNATED "M 588" SHALL BE MAINTAINED IN PLACE UNTIL THE WEST END OF SOUTH CONCRETE MANHOLE AT STA. 174+88.88. THE BENCHMARK SHALL BE APPROXIMATELY 3 FEET EAST OF THE CENTERLINE OF DALLAS RD. ELEVATION TO BE 100.00 FEET (MAD 88).

- NOTES:
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES.
  - CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL CONDITIONS OR BETTER.
  - PIPE INTRUSIONS TO BE INSTALLED 3' OFF ALL WATERWAYS CROSSING COUNTY STREETS, INCLUDING LEADS SHALL BE ALIGNED AT LEAST 6" FROM SIDE OF PAVEMENT.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-581-2222.

VERIFICATION OF PRIVATE UTILITY LINES & RECORD DRAWING FOR PRIVATE UTILITY LINES ONLY.

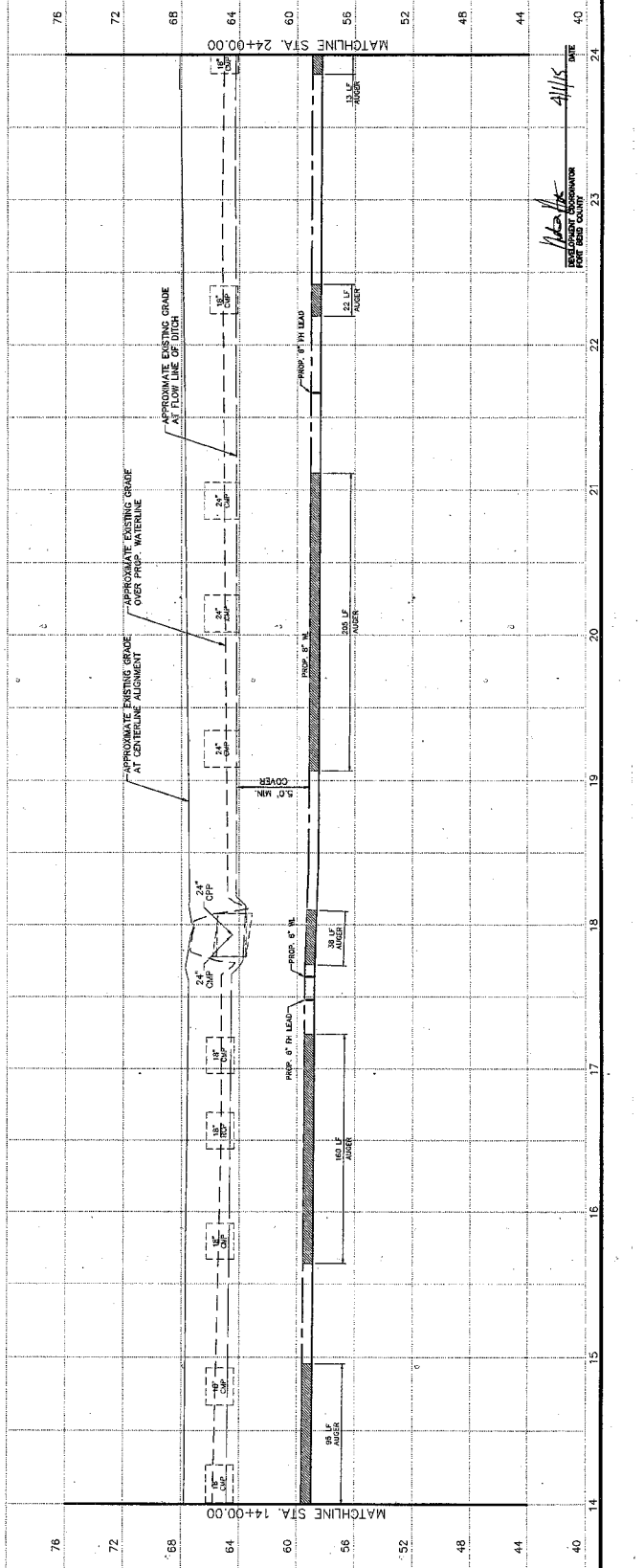
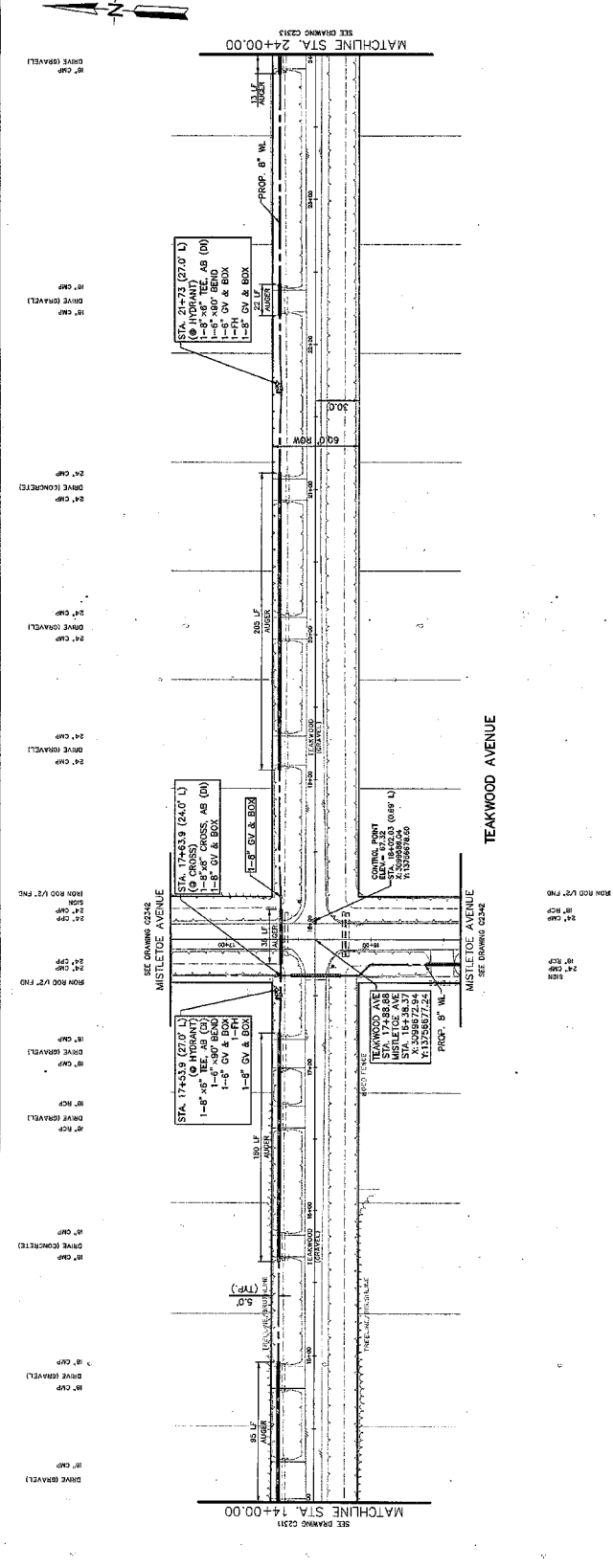
DATE: 4/11/15  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]

APPROVED FOR A/E/T: [Signature] DATE: 4/11/15  
 APPROVED FOR C/E: [Signature] DATE: 4/11/15

JACOBS  
 FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1  
 WATERLINE IMPROVEMENTS

TEAKWOOD AVENUE  
 STA. 14+00.00 TO STA. 24+00.00

PROJECT NO. 14-000001-01  
 DATE: APRIL 2014  
 SHEET NO. 1 OF 4  
 C2312  
 OF 65



STATION	DATE	REVISION
14+00.00	4/11/15	ISSUED FOR CONSTRUCTION

**811**  
FOR SHARED UTILITY INFORMATION  
TWO (2) BUSINESS DAYS  
BEFORE ANY EXCAVATION  
(OR 1-800-468-6000) (OR 1-800-468-6000) (OR 1-800-468-6000)  
FOR A FREE SERVICE CALL  
www.811.com

**PROJECT BENCHMARK:**  
NOS DESIGNATED "BBS"  
WEST END OF SOUTH CONCRETE RETAINMENT WALL OF AN OFFICE BUILDING  
ROAD EAST APPROXIMATELY 10 FEET EAST OF THE BUILDING CENTERLINE OF DALLAS RD.  
ELEVATION TO 0.00 FEET (NAVD 80)

- NOTES:**
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  - CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL GRADE AND CONDITIONS OR BETTER (AS BND OF LINES)
  - FIRE HYDRANTS TO BE INSTALLED 3' OFF CENTERLINE OF DALLAS RD.
  - ALL WATERLINES CROSSING COUNTY STREETS, DRIVE ALLEYS OR DRIVEWAYS SHALL BE AUGERED AT LEAST 3' CLEARance OF PAVEMENT.

**TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTURION ENERGY AT 715-200-2222**

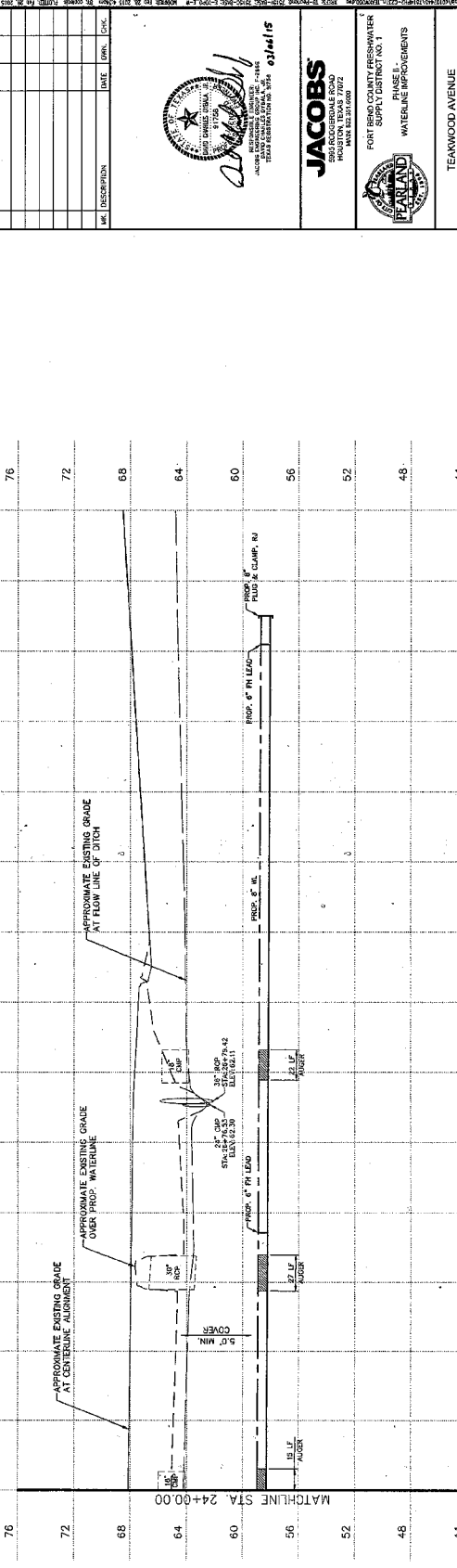
**VERIFICATION OF PRIVATE UTILITY LINES:**  
Contractor shall verify the location and depth of all private utility lines prior to excavation. This verification shall be done using a utility locator and/or other approved methods. It is the contractor's responsibility to ensure that all utility lines are properly marked and identified. The contractor shall be responsible for any damage to private utility lines. A permit may be required for this work.

**JACOBS**  
FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1  
WATERLINE IMPROVEMENTS  
TEAKWOOD AVENUE  
STA. 24+00.00 TO STA. 31+00.00

**TEAKWOOD AVENUE**  
STA. 24+00.00 TO STA. 31+00.00

NO.	DESCRIPTION	DATE	DRAWN	CHECK.
1				
2				
3				
4				
5				

**APPROXIMATE EXISTING GRADE AT CENTRING ALIGNMENT**  
**APPROXIMATE EXISTING GRADE OVER PROP. WATERLINE**  
**APPROXIMATE EXISTING GRADE AT FLOW LINE OF DITCH**



NO.	DATE	DESCRIPTION
1	4/15	DATE
2		
3		
4		
5		

NO.	DATE	DESCRIPTION
1	4/15	DATE
2		
3		
4		
5		

NO.	DATE	DESCRIPTION
1	4/15	DATE
2		
3		
4		
5		

**811**  
FOR SHARED UTILITY INFORMATION  
TWO (2) BUSINESS DAYS  
BEFORE ANY EXCAVATION  
(OR 1-800-468-6000) (OR 1-800-468-6000) (OR 1-800-468-6000)  
FOR A FREE SERVICE CALL  
www.811.com

**PROJECT BENCHMARK:**  
NOS DESIGNATED "BBS"  
WEST END OF SOUTH CONCRETE RETAINMENT WALL OF AN OFFICE BUILDING  
ROAD EAST APPROXIMATELY 10 FEET EAST OF THE BUILDING CENTERLINE OF DALLAS RD.  
ELEVATION TO 0.00 FEET (NAVD 80)

- NOTES:**
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  - CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL GRADE AND CONDITIONS OR BETTER (AS BND OF LINES)
  - FIRE HYDRANTS TO BE INSTALLED 3' OFF CENTERLINE OF DALLAS RD.
  - ALL WATERLINES CROSSING COUNTY STREETS, DRIVE ALLEYS OR DRIVEWAYS SHALL BE AUGERED AT LEAST 3' CLEARance OF PAVEMENT.

**TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTURION ENERGY AT 715-200-2222**

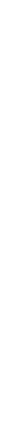
**VERIFICATION OF PRIVATE UTILITY LINES:**  
Contractor shall verify the location and depth of all private utility lines prior to excavation. This verification shall be done using a utility locator and/or other approved methods. It is the contractor's responsibility to ensure that all utility lines are properly marked and identified. The contractor shall be responsible for any damage to private utility lines. A permit may be required for this work.

**JACOBS**  
FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1  
WATERLINE IMPROVEMENTS  
TEAKWOOD AVENUE  
STA. 24+00.00 TO STA. 31+00.00

**TEAKWOOD AVENUE**  
STA. 24+00.00 TO STA. 31+00.00

NO.	DESCRIPTION	DATE	DRAWN	CHECK.
1				
2				
3				
4				
5				

**APPROXIMATE EXISTING GRADE AT CENTRING ALIGNMENT**  
**APPROXIMATE EXISTING GRADE OVER PROP. WATERLINE**  
**APPROXIMATE EXISTING GRADE AT FLOW LINE OF DITCH**



NO.	DATE	DESCRIPTION
1	4/15	DATE
2		
3		
4		
5		

NO.	DATE	DESCRIPTION
1	4/15	DATE
2		
3		
4		
5		

**811**  
FOR SHARED UTILITY INFORMATION  
TWO (2) BUSINESS DAYS  
BEFORE ANY EXCAVATION  
(OR 1-800-468-6000) (OR 1-800-468-6000) (OR 1-800-468-6000)  
FOR A FREE SERVICE CALL  
www.811.com





**FOR URGENT JUDICIAL INFORMATION**  
 BEFORE YOU DIAL 811  
 (OR 1-800-345-5006 Texas811)  
 (OR 1-800-888-8344 Lower Star 811)  
 www.811.com  
 www.texas811.com

**PROJECT BENCHMARK:**  
 1. ALL BENCHMARKS SHALL BE APPROXIMATELY 18 FEET EAST OF WEST END OF NORTH CURBLINE (SMALLER OF AN OPEN CUT OR EXCAVATION).  
 2. BENCHMARK SHALL BE APPROXIMATELY 18 FEET EAST OF THE CENTERLINE OF DALLAS RD.  
 3. BENCHMARK SHALL BE APPROXIMATELY 18 FEET EAST OF THE CENTERLINE OF DALLAS RD.  
 4. BENCHMARK SHALL BE APPROXIMATELY 18 FEET EAST OF THE CENTERLINE OF DALLAS RD.

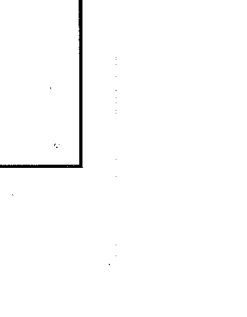
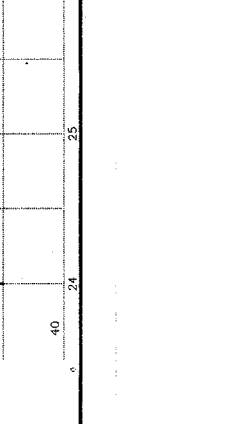
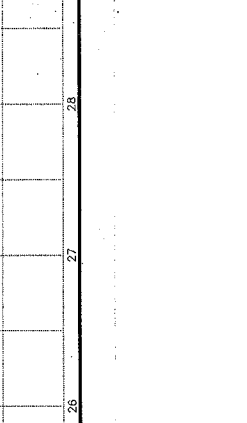
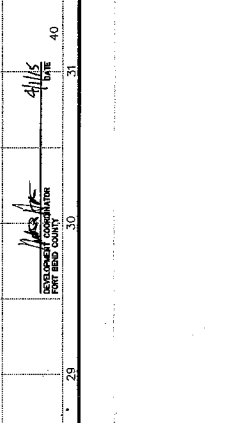
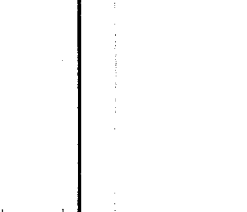
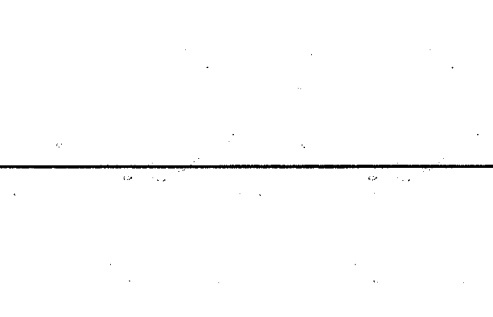
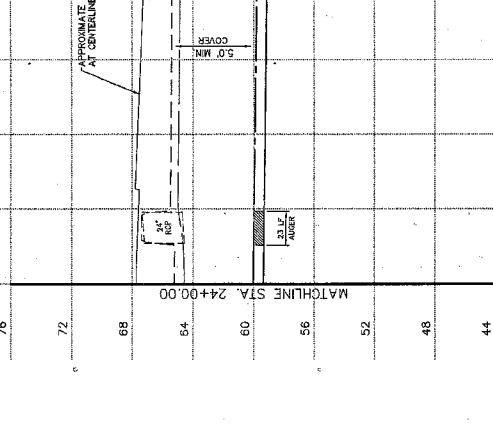
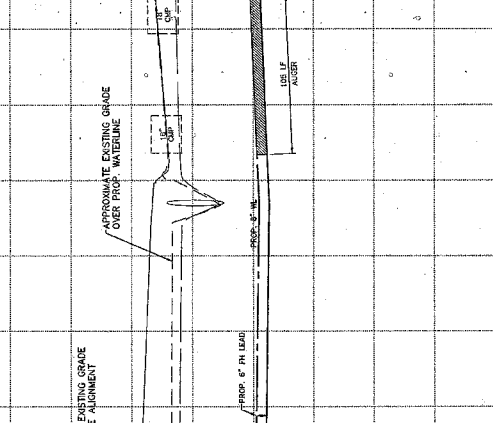
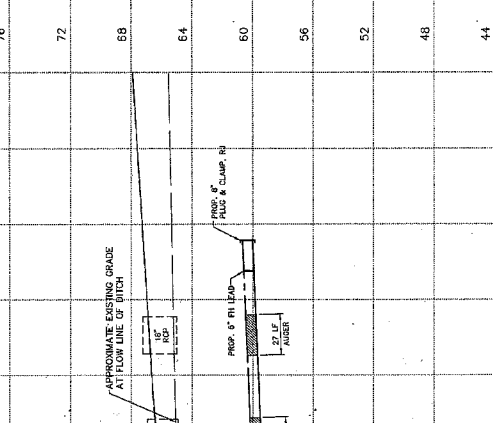
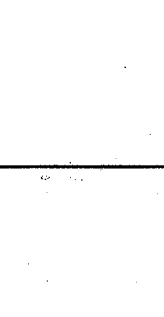
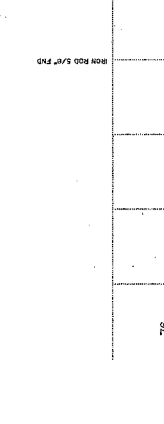
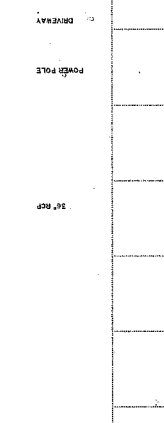
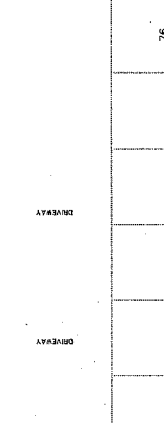
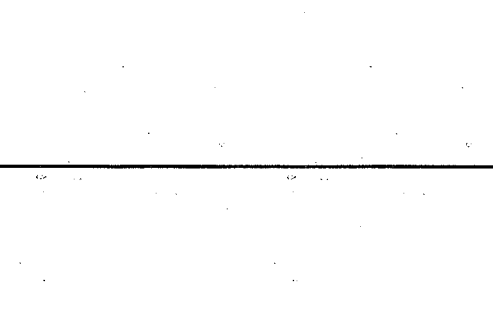
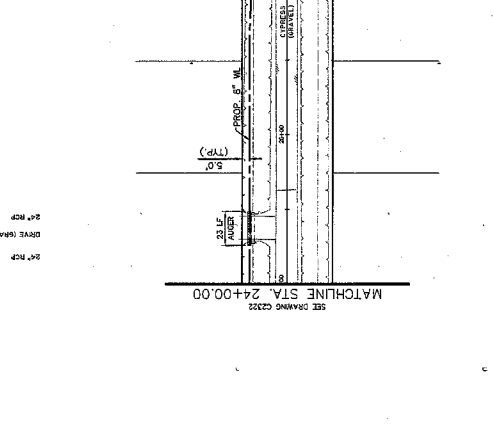
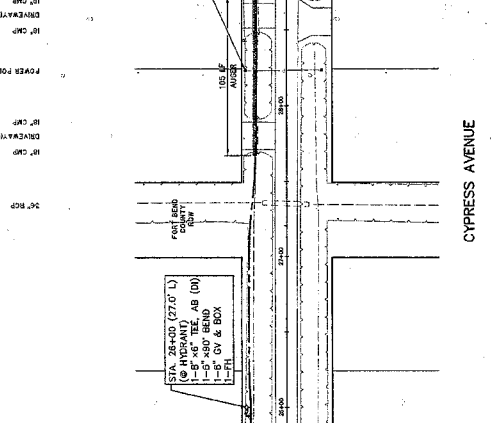
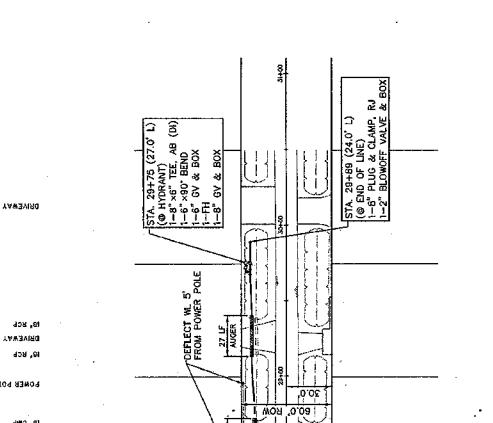
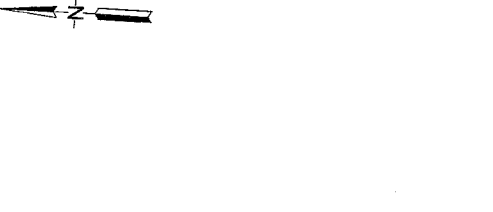
**NOTES:**  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES.  
 2. CONTRACTOR SHALL RETURN UTILITIES TO ORIGINAL LOCATION UNLESS NOTED OTHERWISE.  
 3. ALL UTILITIES SHALL BE MARKED AS NOTED ON SHEET.  
 4. ALL UTILITIES CROSSING COUNTY STREETS SHALL BE MARKED AS NOTED ON SHEET.  
 5' EACH SIDE OF PAVEMENT.

**TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTER AT 713-357-2922.**  
**NOTICE:**  
 For your safety, you are required to locate lines with all utility owners before you start any excavation work. This information does not constitute an endorsement of any product or service.

**VERIFICATION OF PRIVATE UTILITY LINES**  
 Date: 4/15/15  
 Signature: [Signature]  
 Title: [Title]  
 Date: 4/15/15  
 Signature: [Signature]  
 Title: [Title]  
 Date: 4/15/15  
 Signature: [Signature]  
 Title: [Title]

**JACOBS**  
 FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1  
 WATERLINE IMPROVEMENTS  
 PHASE II  
 STA. 24+00.00 TO STA. 31+00.00

PROJECT NO: W002515  
 DATE: APRIL 2014  
 DRAWING NO: C2323  
 SHEET: 64 OF 86



SEE DRAWING C2322  
 MATCHLINE STA. 24+00.00

MATCHLINE STA. 24+00.00

SEE DRAWING C2322  
 MATCHLINE STA. 24+00.00

MATCHLINE STA. 24+00.00

SEE DRAWING C2322  
 MATCHLINE STA. 24+00.00

MATCHLINE STA. 24+00.00

SEE DRAWING C2322  
 MATCHLINE STA. 24+00.00

MATCHLINE STA. 24+00.00

DATE: 4/15/15  
 TIME: 4:15 PM  
 PROJECT: FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1  
 DRAWING: WATERLINE IMPROVEMENTS  
 SHEET: 64 OF 86



FOR HIRED UTILITY INFORMATION  
CALL 811  
TWO (2) BUSINESS DAYS  
FOR ALL PROJECTS  
(OR 1-800-368-8344 LOCAL)  
FOR EMERGENCY CALLS  
CALL 311  
www.811tx.com

PROJECT BEGINNINGS  
NCS DESIGNATED M. 839

THE CITY OF FORT BEND COUNTY HAS BEEN ADVISED THAT THE PROJECTS  
DESCRIBED HEREIN ARE TO BE LOCATED WITHIN THE RIGHT-OF-WAY  
OF STATE HIGHWAY 2332. THE CITY OF FORT BEND COUNTY  
HAS BEEN ADVISED THAT THE PROJECTS DESCRIBED HEREIN  
ARE TO BE LOCATED WITHIN THE RIGHT-OF-WAY OF STATE  
HIGHWAY 2332.

ELEVATION TO 2.0 FEET (TWO 80)

- NOTES:
1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  2. CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL CONDITION
  3. PRE-CONSTRUCTION CONDITIONS OR BETTER
  4. ALL MATERIALS TO BE INSTALLED 3" OFF
  5. ALL MATERIALS TO BE INSTALLED 3" OFF

INCLUDING LEADS SHALL BE AUGERED AT LEAST  
9" DEEP AT POINTS.

TO ARRANGE FOR LINES TO BE TURNED OFF OR  
MOVED, CALL CENTERPOINT ENERGY AT 713-501-7222

NOTICE  
For your safety, you are required to call CenterPoint Energy  
before any excavation work. This is to ensure that the location  
of all underground utilities is known before any excavation  
begins. For more information, please call CenterPoint Energy  
at 713-501-7222.

VERIFICATION OF PRIVATE UTILITY LINES  
The Engineer warrants that he/she has shown due diligence in the verification  
of the location of all underground utilities. This warranty does not cover  
utilities that are not shown on the plan or that are not known to the  
Engineer. The Engineer is not responsible for the location of any  
utilities that are not shown on the plan or that are not known to the  
Engineer.

DATE: 4/15/15  
DESIGNER: J. H. HARRIS  
CHECKER: J. H. HARRIS  
APPROVED: J. H. HARRIS

CITY OF FORT BEND COUNTY  
ENGINEER: J. H. HARRIS  
DATE: 4/15/15

FOR MORE INFORMATION, PLEASE CALL CENTERPOINT ENERGY  
AT 713-501-7222.

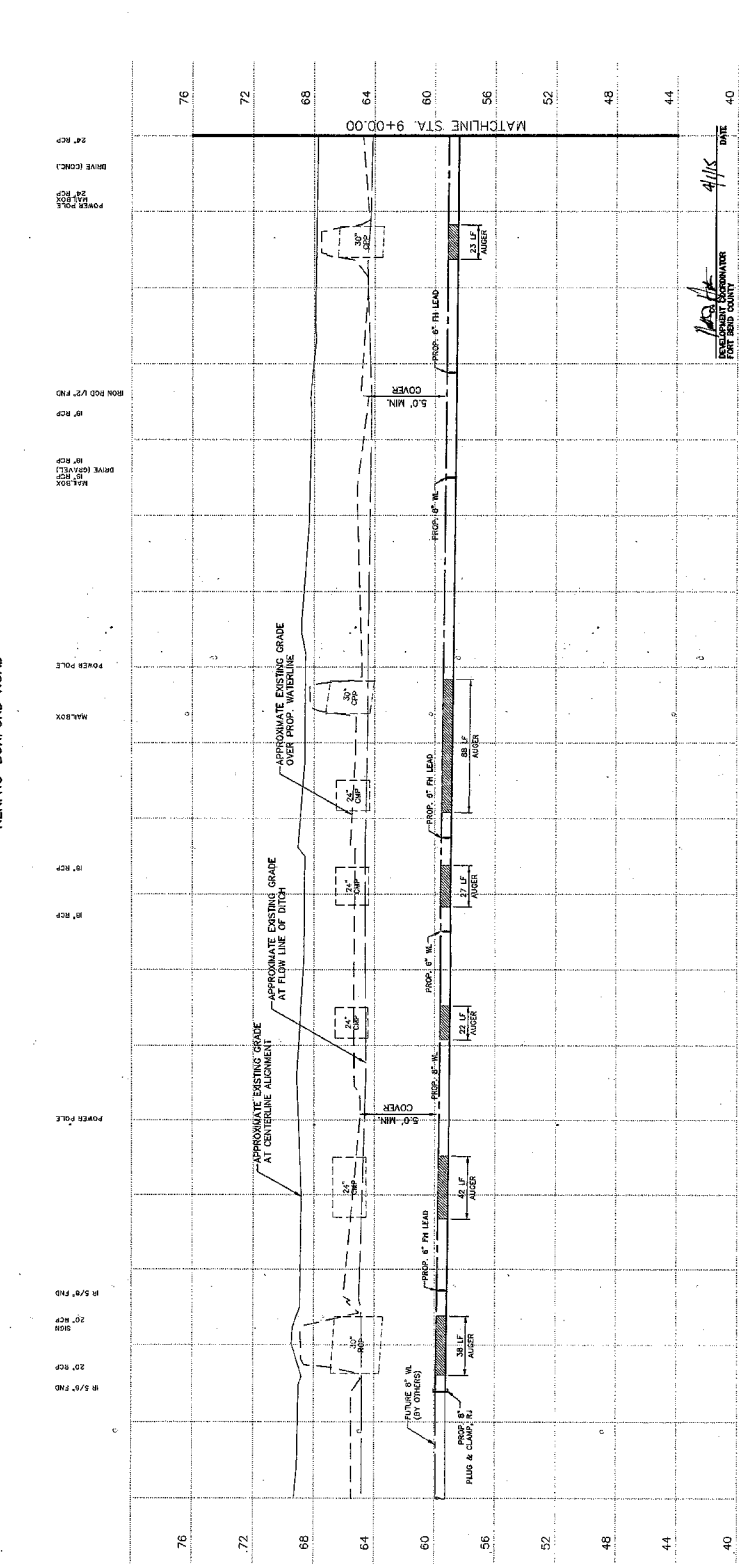
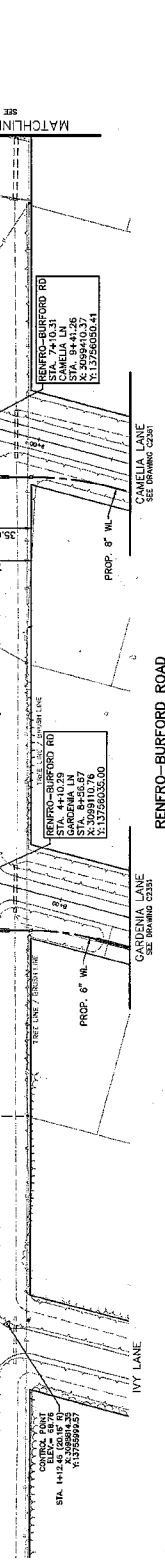
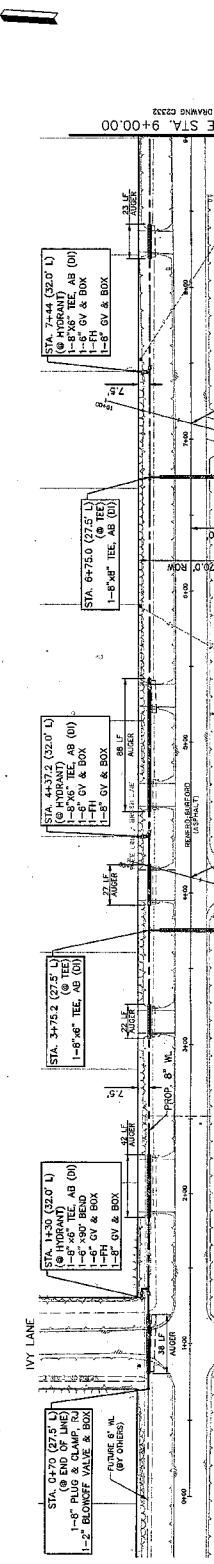
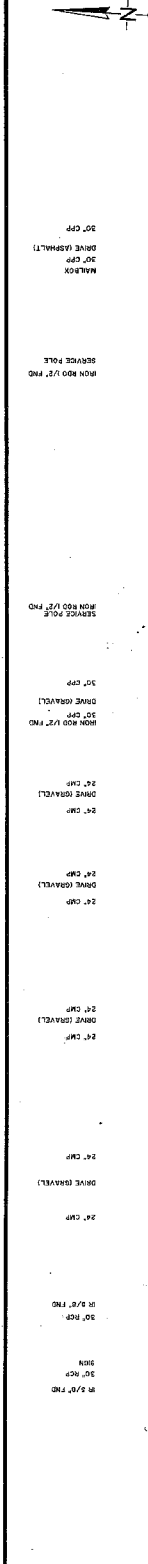
NO.	DESCRIPTION	DATE	CHK.



**JACOBS**  
5905 HODGENS ROAD  
HOUSTON, TEXAS 77036  
PHASE I -  
WATERLINE IMPROVEMENTS



FOR BEND COUNTY ENGINEER  
SUPPLY DISTRICT NO. 1  
PHASE I -  
WATERLINE IMPROVEMENTS



STATION	DATE
76	
72	
68	
64	
60	
56	
52	
48	
44	
40	

DATE: 4/15



FOR BURIED UTILITY INFORMATION  
 BEFORE YOU DIG CALL 811  
 (OR 1-800-595-8344 Line Star 811)  
 (OR 1-800-595-8344 Line Star 811)  
 www.811.com

**PROJECT BENCHMARK:**  
 NGS DESIGNATED 'M' BENCH  
 WEST END OF SOUTH CONCRETE SIDEWALK, 18 FEET EAST OF  
 CENTERLINE OF BURIED UTILITY LINE.  
 ROAD CENTERLINE APPROXIMATELY 33 FEET EAST OF THE  
 CENTERLINE OF DALLAS RD. THE 18 AND 33 FEET SOUTH OF THE  
 ELEVATION TO 76 FEET (MAD 89)

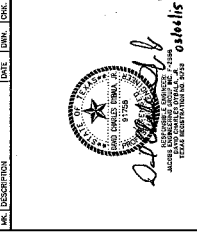
- NOTES:**
1. CONTRACTOR SHALL PROVIDE ACCESS TO BENCH
  2. CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL CONDITION OR BETTER UNLESS NOTED OTHERWISE
  3. FIRE HYDRANTS TO BE INSTALLED 3' OFF CENTERLINE OF BURIED UTILITY LINE
  4. ALL UTILITIES CROSSING COUNTY STREETS, ROADS, OR HIGHWAYS SHALL BE AVOIDED AT LEAST 5' EACH SIDE OF PAVEMENT

TO ARRANGE FOR LINES TO BE TURNED OFF OR  
 MOVED, CALL CENTERLINE AT 763-267-2222  
**NOTICE**  
 For your safety, you are required by Texas law to call 811 at least 48 hours  
 before any excavation work is performed. This notification does not  
 guarantee that all underground utilities will be located.

**VERIFICATION OF PRIVATE UTILITY LINES**

DATE	BY	DESCRIPTION
4/15/15	[Signature]	[Text]
4/15/15	[Signature]	[Text]

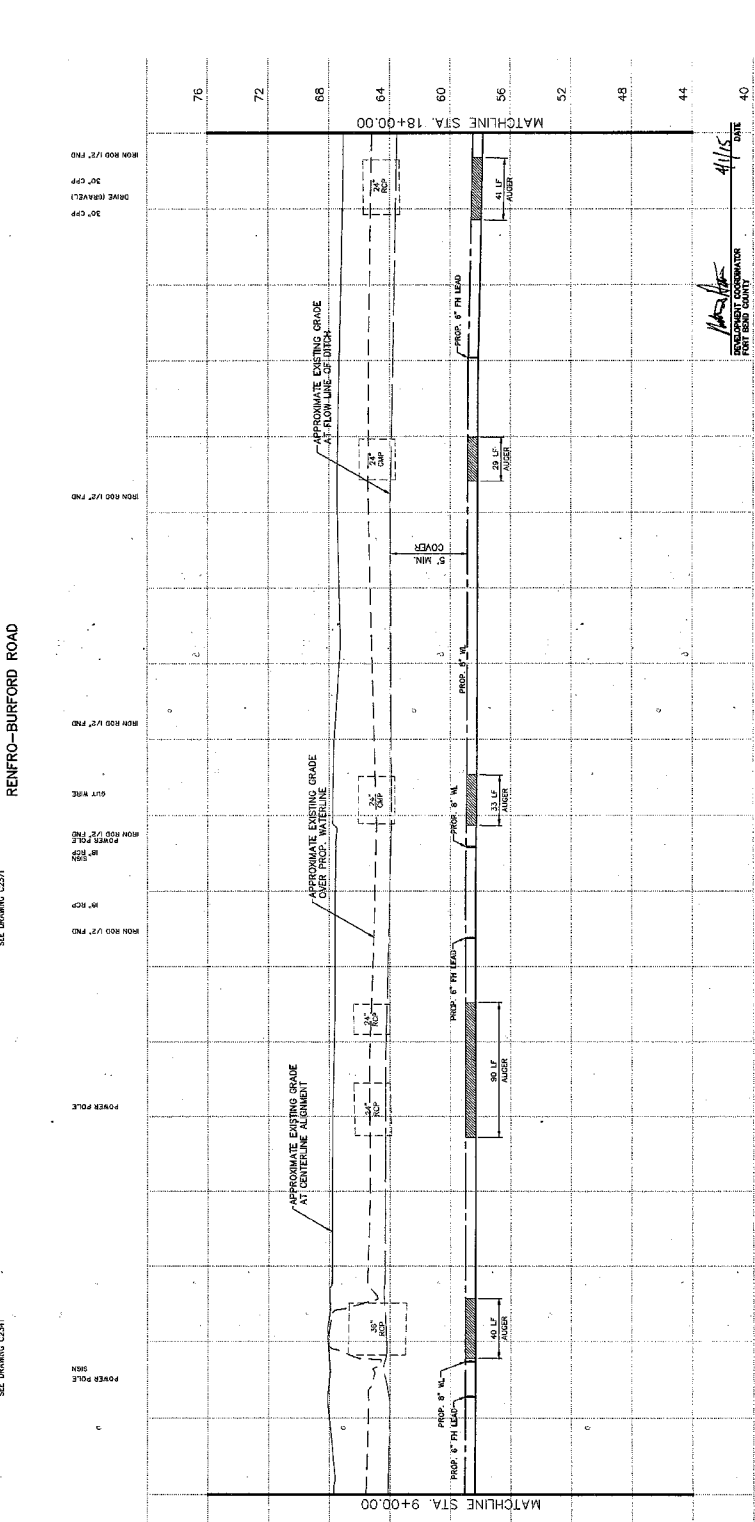
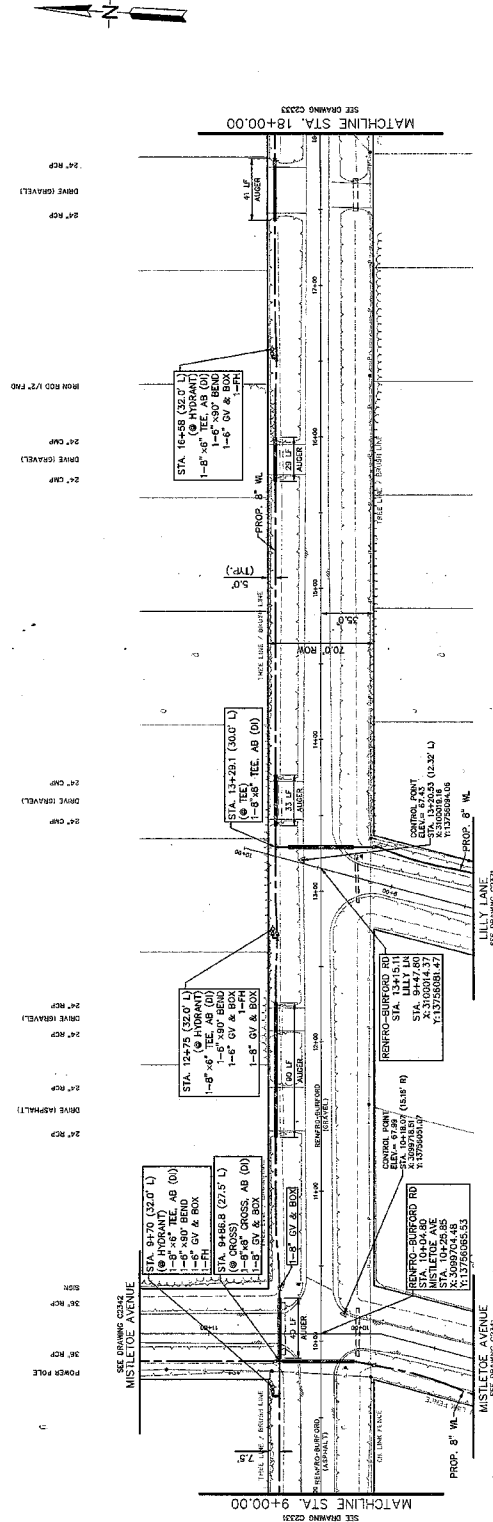
M.K. DESCRIPTION	DATE	DRAWN	CHECKED



**JACOBS**  
 FORT BEND COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE II -  
 WATERLINE IMPROVEMENTS



RENFRO-BURFORD ROAD  
 STA. 9+00.00 TO STA. 18+00.00  
 PROJECT NO. C2332  
 SHEET NO. 66 OF 86



DATE: 4/15/15  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]



FOR ARIAZO UTILITY INFORMATION  
 CONTACT THE UTILITY SERVICE  
 RELOCATION (USR) CALL (409) 811-1111  
 (OR 1-800-545-6066 Texas 811)  
 THE UTILITY SERVICE CALL (409) 811-1111  
 www.texas811.com

PROJECT BENCHMARK  
 NGS DESIGNATED 14 888  
 NGS DESIGNATED 14 888  
 THE BENCHMARK IS LOCATED AT THE WEST END OF SOUTH COUNTY FRESHWATER SUPPLY DISTRICT NO. 1, 3 FEET EAST OF THE CENTERLINE OF SALLAS RD APPROXIMATELY 3 FEET EAST OF THE CENTERLINE OF SALLAS RD  
 ELEVATION 79.70 FEET (NAD 83)

- NOTES:
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  - CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL CONDITIONS OR BETTER UNLESS NOTED OTHERWISE.
  - PIPE MARKERS TO BE INSTALLED 3' OFF CENTERLINE OF PIPE
  - ALL MATERIALS CROSSING COUNTY STREETS, ROADS AND DRIVEWAYS SHALL BE RIGIDLY CURBED AT EACH SIDE OF PAVEMENT.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED CALL CENTER AT 409.811.1111

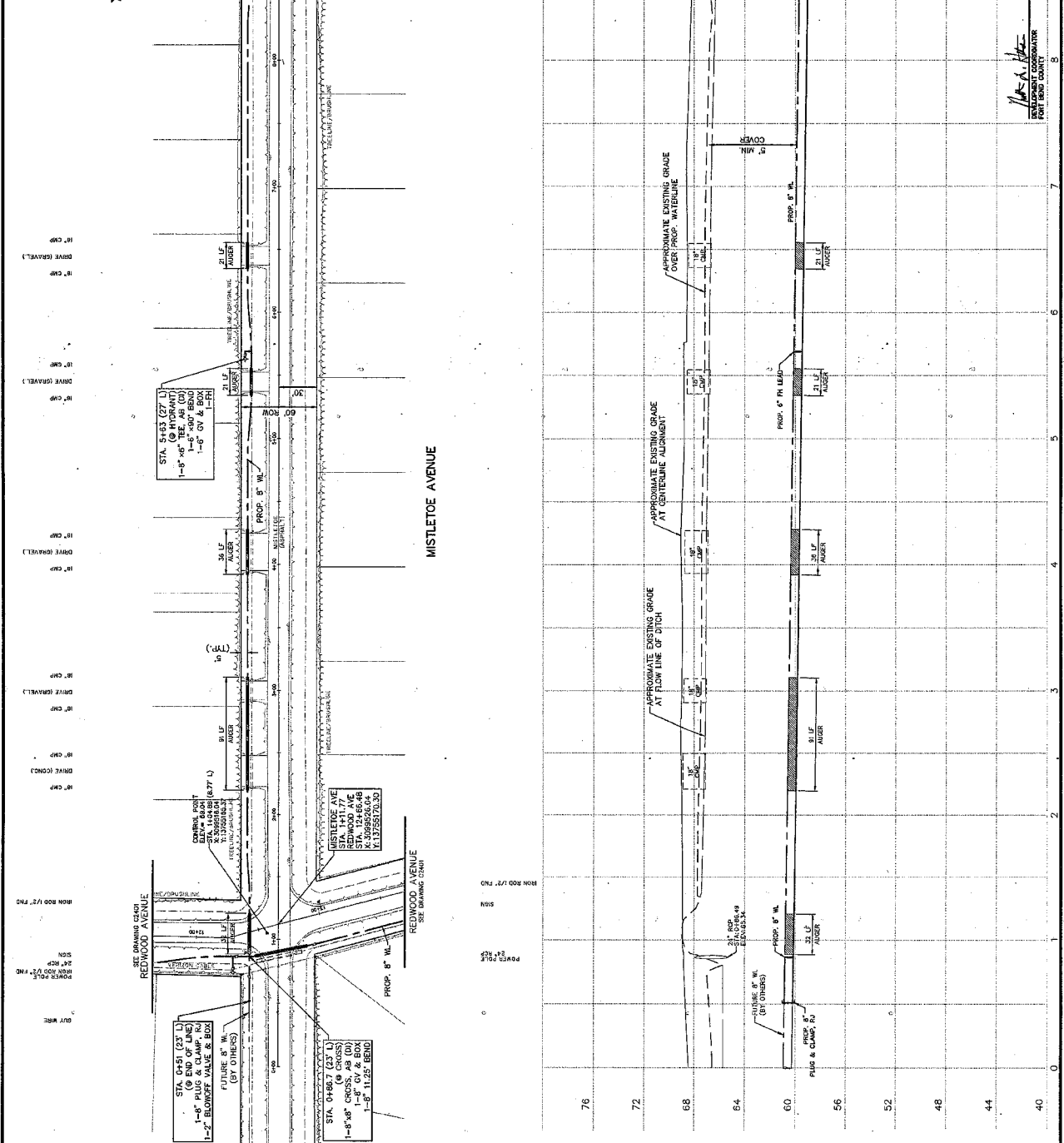
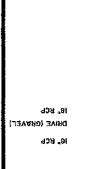
NOTICE:  
 For your safety, you are required to locate all utilities at least 48 hours prior to construction. This notice is required for all utility owners and is included for your information. This notice does not include post-construction activities.

VERIFICATION OF PRIVATE UTILITY LINES

NAME	DATE	CHK.	LOC.
4/13/20			
4/13/20			

Daniel Hille  
 State of Texas  
 No. 9133  
 Exp. 01/31/2023  
 Date: 4/13/20

**JACOBS**  
 FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1  
 PHASE II - WATERLINE IMPROVEMENTS  
 MISTLETOE AVENUE  
 STA. 0+00.00 TO STA. 9+00.00  
 PROJECT NO. W4001824  
 SHEET NO. 68 OF 86  
 DATE: APRIL 2024  
 BY: W. COZZITTO  
 CHECKED: J. POKORSKI  
 DESIGNED: C. ZHANG



NO.	DATE	DESCRIPTION
1	4/13/20	ISSUED FOR PERMITS
2	4/13/20	FOR REVIEW
3	4/13/20	FOR REVIEW
4	4/13/20	FOR REVIEW
5	4/13/20	FOR REVIEW
6	4/13/20	FOR REVIEW
7	4/13/20	FOR REVIEW
8	4/13/20	FOR REVIEW
9	4/13/20	FOR REVIEW
10	4/13/20	FOR REVIEW
11	4/13/20	FOR REVIEW
12	4/13/20	FOR REVIEW
13	4/13/20	FOR REVIEW
14	4/13/20	FOR REVIEW
15	4/13/20	FOR REVIEW
16	4/13/20	FOR REVIEW
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35	4/13/20	FOR REVIEW
36	4/13/20	FOR REVIEW
37	4/13/20	FOR REVIEW
38	4/13/20	FOR REVIEW
39	4/13/20	FOR REVIEW
40	4/13/20	FOR REVIEW



FOR UNID UTILITY INFORMATION  
 TWO (2) BUSINESS DAYS  
 CALL 811  
 OR 1-800-665-6000 (toll-free)  
 OR 1-800-665-6034 (toll-free)  
 OR 1-800-665-6034 (toll-free)  
 VISIT [www.811.com](http://www.811.com)

PROJECT BENCHMARK: NIS DESIGNATED # 888  
 WEST END OF SOUTH CONCRETE REMAINS 1/8 FEET EAST OF WEST END OF SOUTH CONCRETE REMAINS OF AN 8" CPV  
 ROAD EAST APPROXIMATELY 39 FEET EAST OF THE CENTERLINE OF BALLEW RD.  
 ELEVATION TO TOP FEET (HANG BAR)

NOTES:  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES  
 2. CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL CONDITION OR BETTER  
 3. FIRE HYDRANTS TO BE INSTALLED 3' OFF  
 4. ALL UTILITIES MARKING COUNTY STREETS INCLUDING LEADS SHALL BE AUGURED AT LEAST 5 FEET WEST OF PROPERTY

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTRALPOINT ENERGY AT 713-207-2222  
 For your safety, you are asked to call 811 to identify all utility lines before you start any excavation work. This information is for informational purposes only and does not constitute a warranty of any kind. It is the responsibility of the contractor to verify the location and depth of all utility lines before excavation. It is recommended that you call 811 to identify all utility lines before you start any excavation work.

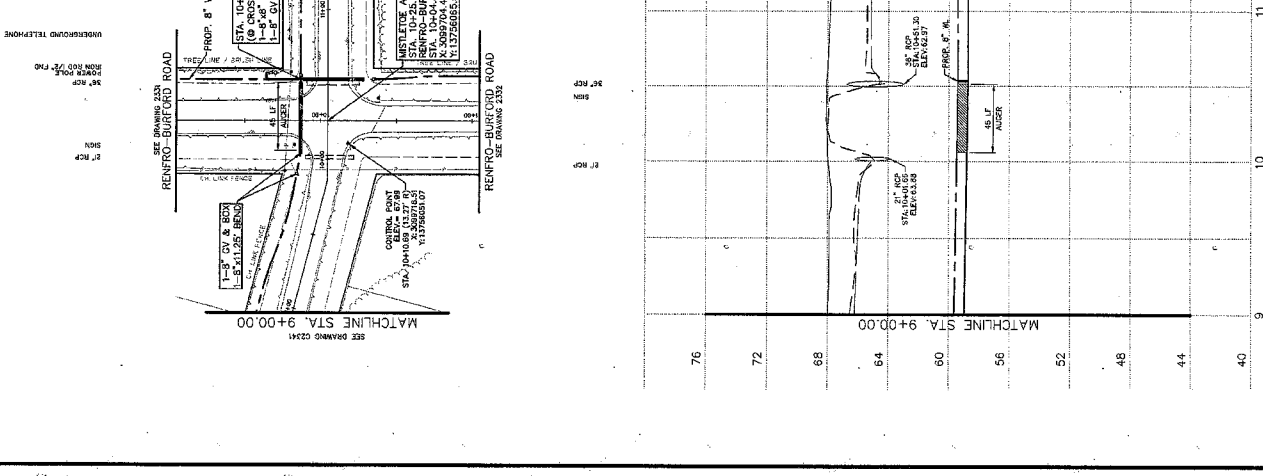
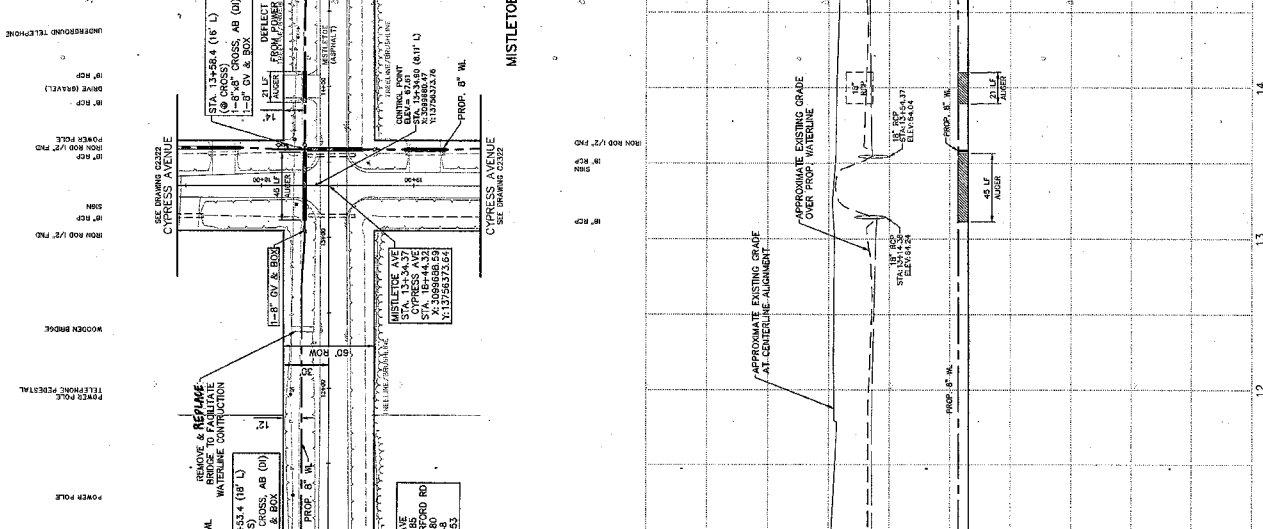
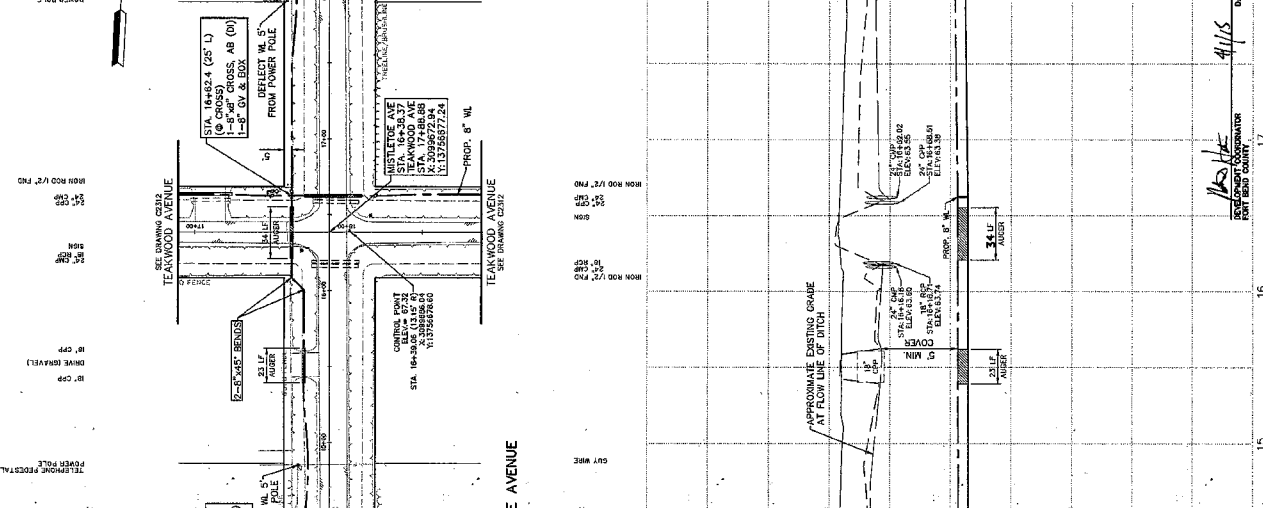
VERIFICATION OF PRIVATE UTILITY LINES  
 The contractor shall verify the location and depth of all private utility lines before excavation. It is recommended that the contractor use a utility locator or other appropriate methods to verify the location and depth of all private utility lines before excavation.

DATE: 4/15/15  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 PROJECT NO: 1510907  
 SHEET NO: 69 OF 85

JACOBS  
 5955 HENDERSON ROAD  
 FORT BEACON COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE II - WATERLINE IMPROVEMENTS

MISTLETOE AVENUE  
 STA. 9+00.00 TO STA. 18+00.00

FOR UNID UTILITY INFORMATION  
 TWO (2) BUSINESS DAYS  
 CALL 811  
 OR 1-800-665-6000 (toll-free)  
 OR 1-800-665-6034 (toll-free)  
 OR 1-800-665-6034 (toll-free)  
 VISIT [www.811.com](http://www.811.com)



FOR UNID UTILITY INFORMATION  
 TWO (2) BUSINESS DAYS  
 CALL 811  
 OR 1-800-665-6000 (toll-free)  
 OR 1-800-665-6034 (toll-free)  
 OR 1-800-665-6034 (toll-free)  
 VISIT [www.811.com](http://www.811.com)

PROJECT BENCHMARK: NIS DESIGNATED # 888  
 WEST END OF SOUTH CONCRETE REMAINS 1/8 FEET EAST OF WEST END OF SOUTH CONCRETE REMAINS OF AN 8" CPV  
 ROAD EAST APPROXIMATELY 39 FEET EAST OF THE CENTERLINE OF BALLEW RD.  
 ELEVATION TO TOP FEET (HANG BAR)

NOTES:  
 1. CONTRACTOR SHALL PROVIDE ACCESS TO HOMES  
 2. CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL CONDITION OR BETTER  
 3. FIRE HYDRANTS TO BE INSTALLED 3' OFF  
 4. ALL UTILITIES MARKING COUNTY STREETS INCLUDING LEADS SHALL BE AUGURED AT LEAST 5 FEET WEST OF PROPERTY

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTRALPOINT ENERGY AT 713-207-2222  
 For your safety, you are asked to call 811 to identify all utility lines before you start any excavation work. This information is for informational purposes only and does not constitute a warranty of any kind. It is the responsibility of the contractor to verify the location and depth of all utility lines before excavation. It is recommended that you call 811 to identify all utility lines before you start any excavation work.

VERIFICATION OF PRIVATE UTILITY LINES  
 The contractor shall verify the location and depth of all private utility lines before excavation. It is recommended that the contractor use a utility locator or other appropriate methods to verify the location and depth of all private utility lines before excavation.

DATE: 4/15/15  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 PROJECT NO: 1510907  
 SHEET NO: 69 OF 85

JACOBS  
 5955 HENDERSON ROAD  
 FORT BEACON COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE II - WATERLINE IMPROVEMENTS



**PROJECT BENCHMARK:**  
 NOS DESIGNATED W 689  
 WEST END OF SOUTH CONCRETE MARSHALL, 18 FEET EAST OF  
 CENTERLINE OF MISTLETOE AVENUE, AT AN ELEVATION OF 52.00  
 (OR APPROXIMATELY 15 FEET EAST OF THE CENTERLINE OF  
 MISTLETOE AVENUE, AT AN ELEVATION OF 52.00)  
 (ELEVATION TO TOP OF CURB AND 10 FEET SOUTH OF THE  
 CENTERLINE OF DALLAS HWY.)

- NOTES:**
- CONTRACTOR SHALL PROVIDE ACCESS TO HOMES
  - CONTRACTOR SHALL RETURN DITCHES TO ORIGINAL GRADE
  - UNLESS NOTED OTHERWISE, ALL UTILITIES SHALL BE 5' FROM THE CENTERLINE OF MISTLETOE AVENUE
  - ALL UTILITIES CROSSING COUNTY STREETS, HIGHWAYS, AND AIRWAYS SHALL BE 5' FROM EACH SIDE OF PAVEMENT

**VERIFICATION OF PRIVATE UTILITY LINES**  
 TO ARRANGE FOR LINES TO BE TURNED OFF OR  
 MOVED, CALL CENTRAL TEXAS AT 732-97-2222  
**NOTICE:**  
 For your safety, you are required to turn on and off all gas lines  
 and all other utilities before any excavation. This includes lines  
 for water, sewer, gas, and other utilities. (Refer to the utility lines  
 map for more information.)

**DATE:** 11/15  
**APPROVED:** [Signature]  
**DESIGNED:** [Signature]  
**CHECKED:** [Signature]

**JACOBS**  
 FORT BEND COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE II -  
 WATERLINE IMPROVEMENTS

**MISTLETOE AVENUE**  
 STA. 18+00.00 TO STA. 28+00.00

DATE	DESCRIPTION	DATE	DATE

**811**  
 CALL BEFORE YOU DIG  
 1-800-546-5005

**811**  
 CALL BEFORE YOU DIG  
 1-800-546-5005

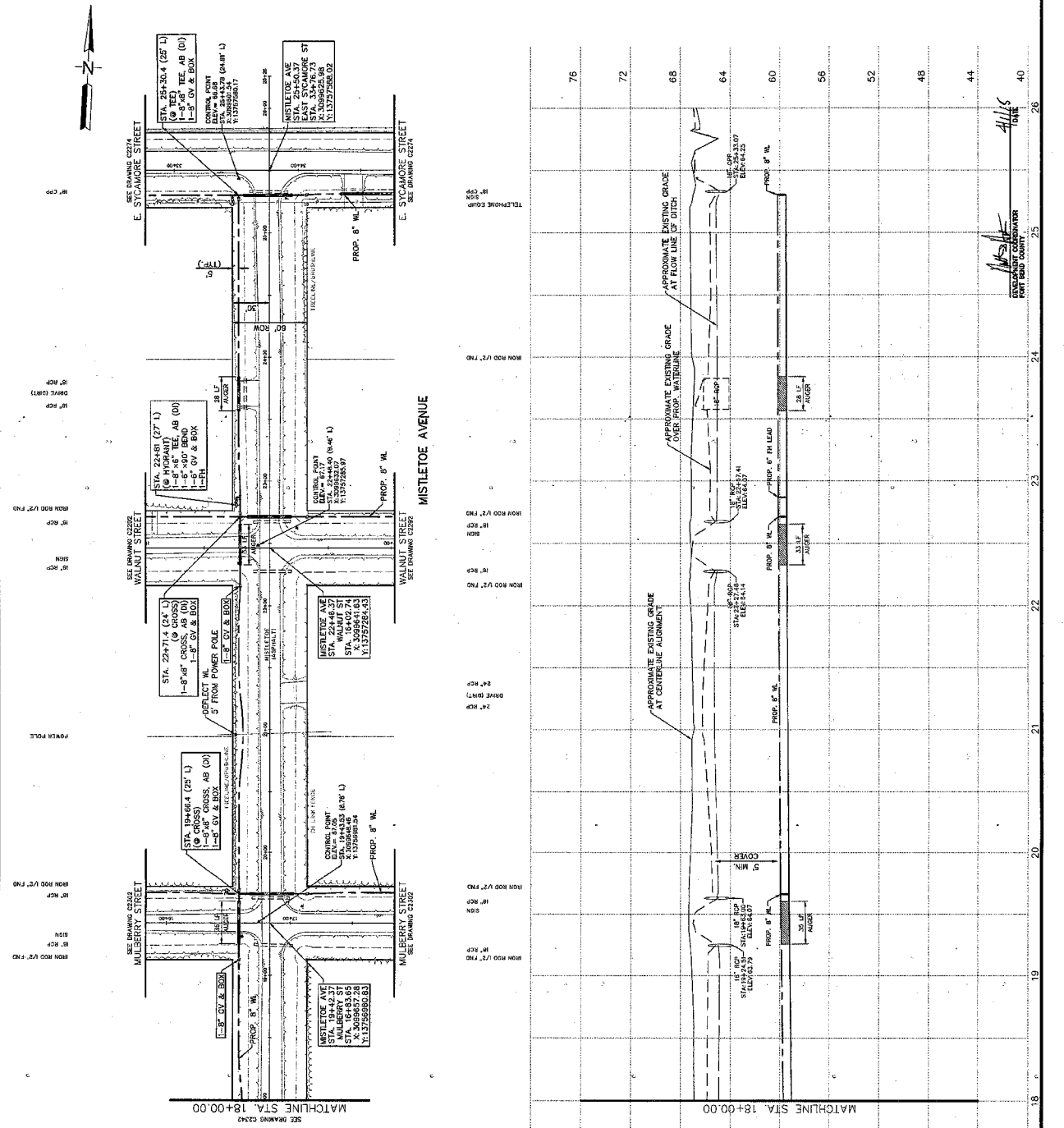
**811**  
 CALL BEFORE YOU DIG  
 1-800-546-5005

**811**  
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**811**  
 CALL BEFORE YOU DIG  
 1-800-546-5005

**811**  
 CALL BEFORE YOU DIG  
 1-800-546-5005



STATION	DATE	DESCRIPTION	DATE
76			
72			
68			
64			
60			
56			
52			
48			
44			
40			

**DATE:** 11/15  
**APPROVED:** [Signature]  
**DESIGNED:** [Signature]  
**CHECKED:** [Signature]

**JACOBS**  
 FORT BEND COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE II -  
 WATERLINE IMPROVEMENTS

**MISTLETOE AVENUE**  
 STA. 18+00.00 TO STA. 28+00.00

DATE	DESCRIPTION	DATE	DATE

**811**  
 CALL BEFORE YOU DIG  
 1-800-546-5005

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**811**  
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**811**  
 CALL BEFORE YOU DIG  
 1-800-546-5005





**FOR BARRIED UTILITY INFORMATION**  
**TWO (2) BUSINESS DAYS**  
**BEFORE YOU DIG CALL 811**  
 (CS 1-800-888-3344 Issue Size 811)  
**UTILITY INFORMATION ONE CALL**  
 www.onecall811.com

**PROJECT DEMONSTRATION**  
 THIS PROJECT IS A DEMONSTRATION OF THE 811 SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

**TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY AT 713-297-2222**  
**NOTICE:**  
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

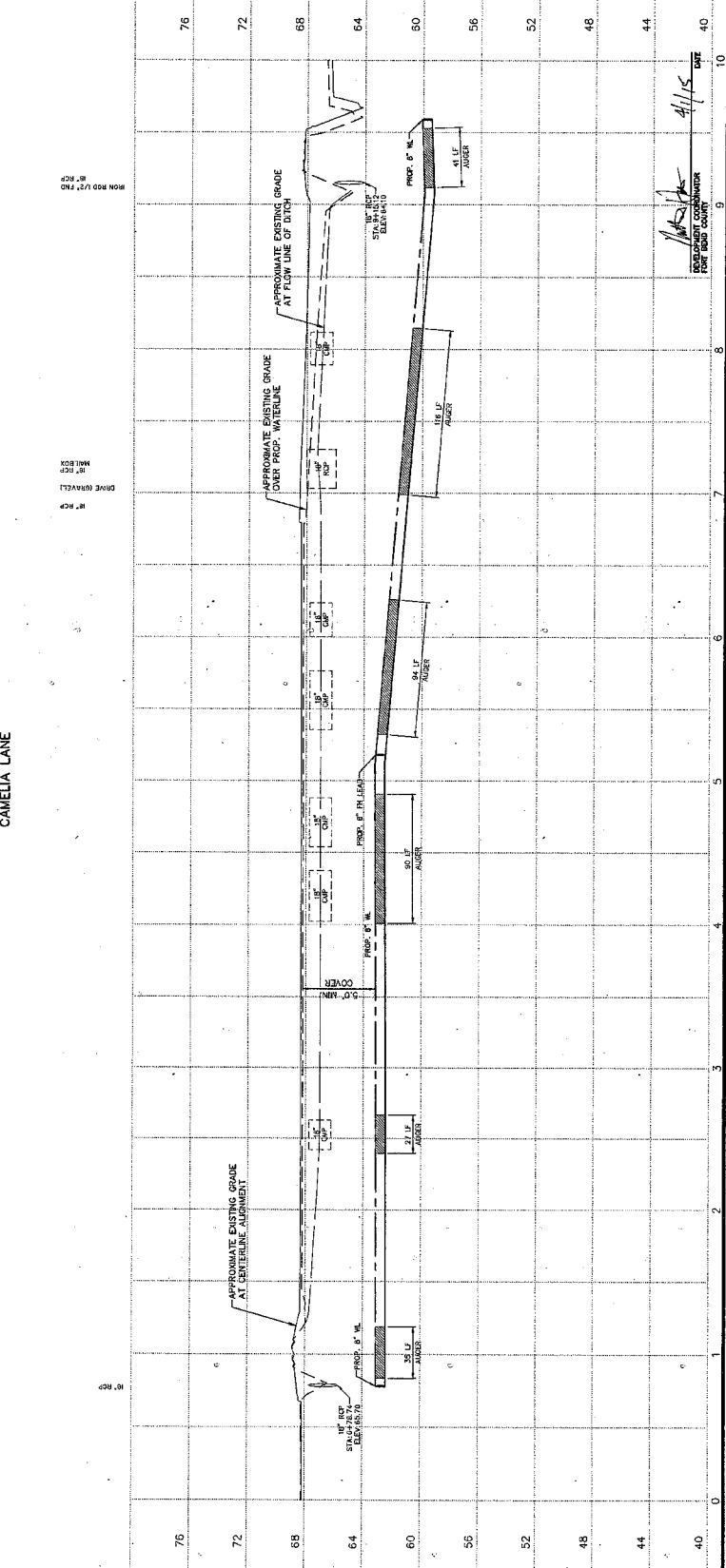
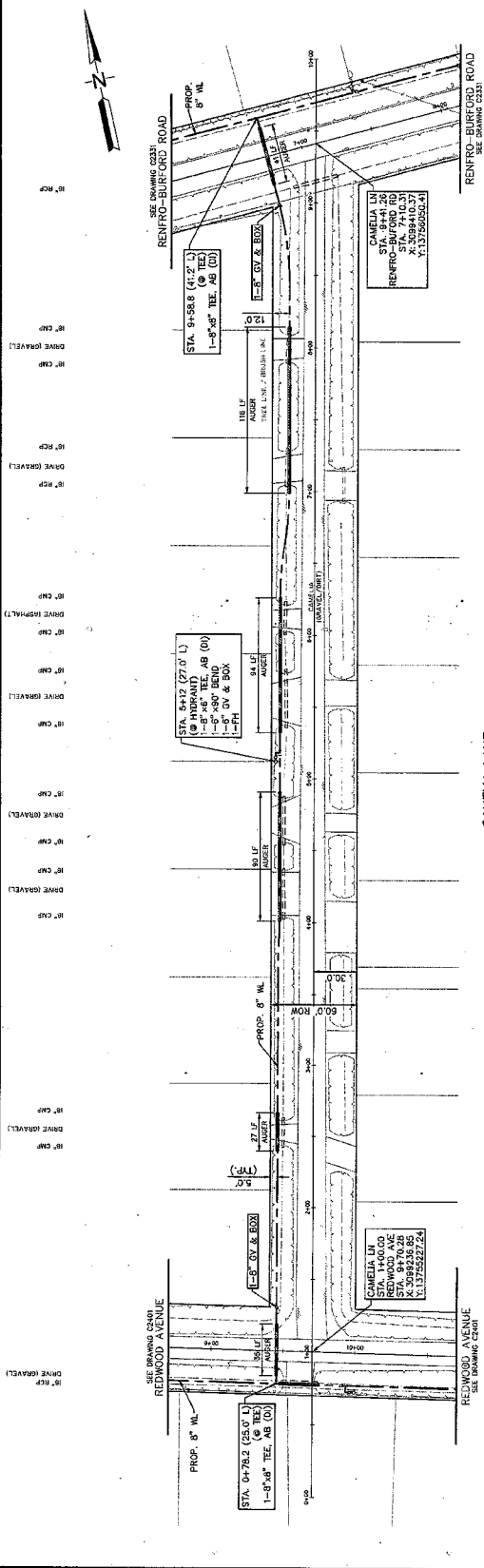
NO.	DATE	DESCRIPTION	DATE	NO.	DATE	DESCRIPTION
1	4/15	ISSUED FOR PERMITS				
2	4/15	ISSUED FOR PERMITS				
3	4/15	ISSUED FOR PERMITS				
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9	4/15	ISSUED FOR PERMITS				
10	4/15	ISSUED FOR PERMITS				

**JACOBS**  
 6808 ROCKDALE ROAD  
 FORT WORTH, TEXAS 76116  
 TEL: 817.339.2000

**PORT ARTHUR WATER SUPPLY CONSTRUCTION**  
 PHASE II  
 WATERLINE IMPROVEMENTS

**CAMELIA LANE**  
 STA. 0+00.00 TO STA. 10+00.00

**811**  
 PROJECT NO. W007513  
 DATE: APR 2014  
 SHEET: 4 OF 10  
 DRAWN: J. DUFFLADE  
 CHECKED: C. SHERIN  
 PROJECT: C2361  
 DATE: 4/15



DATE: 4/15  
 SHEET: 4 OF 10  
 PROJECT: C2361  
 DRAWN: J. DUFFLADE  
 CHECKED: C. SHERIN



FOR YOUR INFORMATION  
 TWO (2) BUSINESS DAYS  
 BEFORE YOU DIG CALL 811  
 OR 1-800-345-8000 (texas811)  
 OR VISIT WWW.811TX.COM  
 FOR MORE INFORMATION OR CALL  
 1-800-811-1111

PROJECT BENCHMARK  
 108  
 ELEVATION 1070 FEET (HARD BENCH)  
 ALL DIMENSIONS SHALL BE TO THE CENTERLINE OF THE ROAD UNLESS OTHERWISE NOTED.  
 ALL DIMENSIONS SHALL BE TO THE CENTERLINE OF THE ROAD UNLESS OTHERWISE NOTED.  
 ALL DIMENSIONS SHALL BE TO THE CENTERLINE OF THE ROAD UNLESS OTHERWISE NOTED.

NOTICE: FOR LINES TO BE TURNED OFF OR  
 NOTED CALL CENTER AT 1-800-345-8000  
 NOTICE:  
 For your safety, please be advised that Texas 811 is not responsible for any damage to property or personal injury that may occur as a result of any excavation or drilling activity that is not properly planned or executed. This includes but is not limited to:  
 1. Damage to underground utility lines.  
 2. Damage to structures.  
 3. Personal injury or death.  
 4. Damage to the environment.  
 5. Damage to the economy.

VERIFICATION OF PRIVATE UTILITY LINES  
 Date: 4/15/14  
 Approved by: [Signature]  
 Date: 4/15/14  
 Approved by: [Signature]

FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]

FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]

FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
 PROJECT MANAGER: [Name]  
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FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
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FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
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FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
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FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
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 PROJECT MANAGER: [Name]

FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
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FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
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 PROJECT MANAGER: [Name]

FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
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 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]

FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]

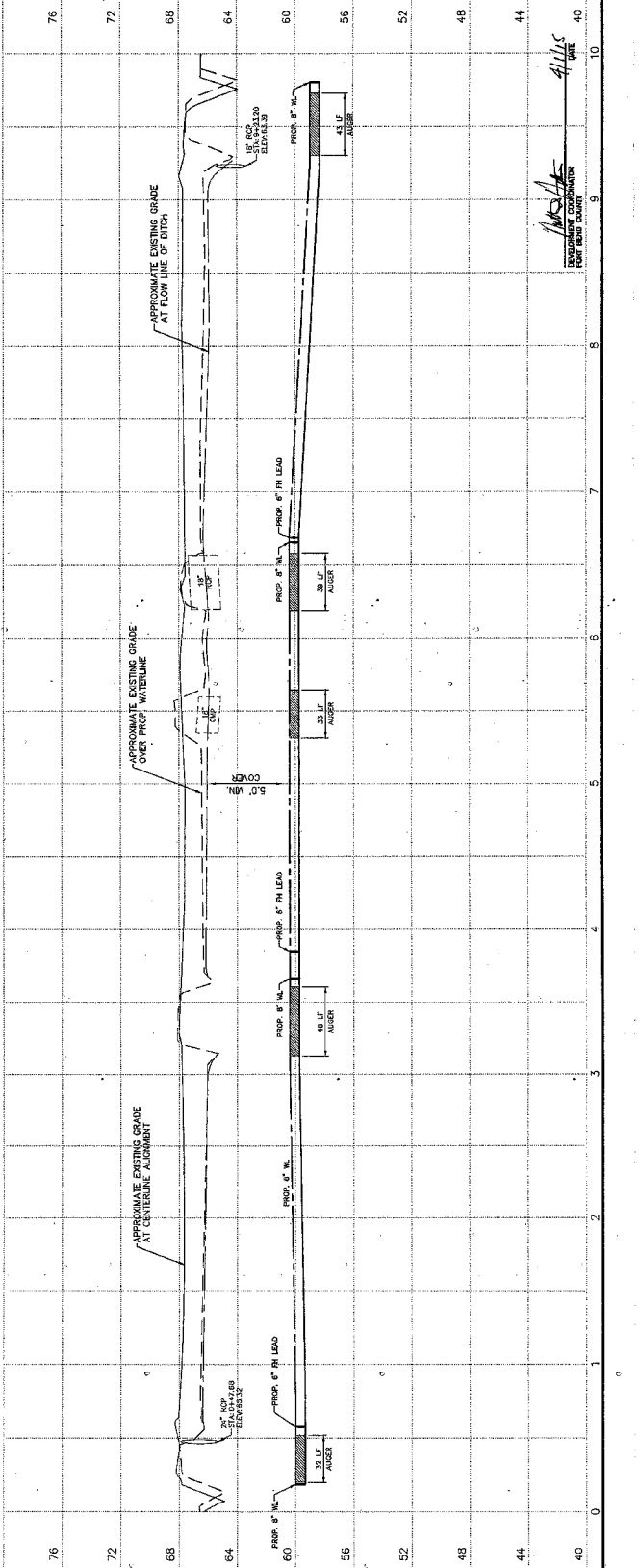
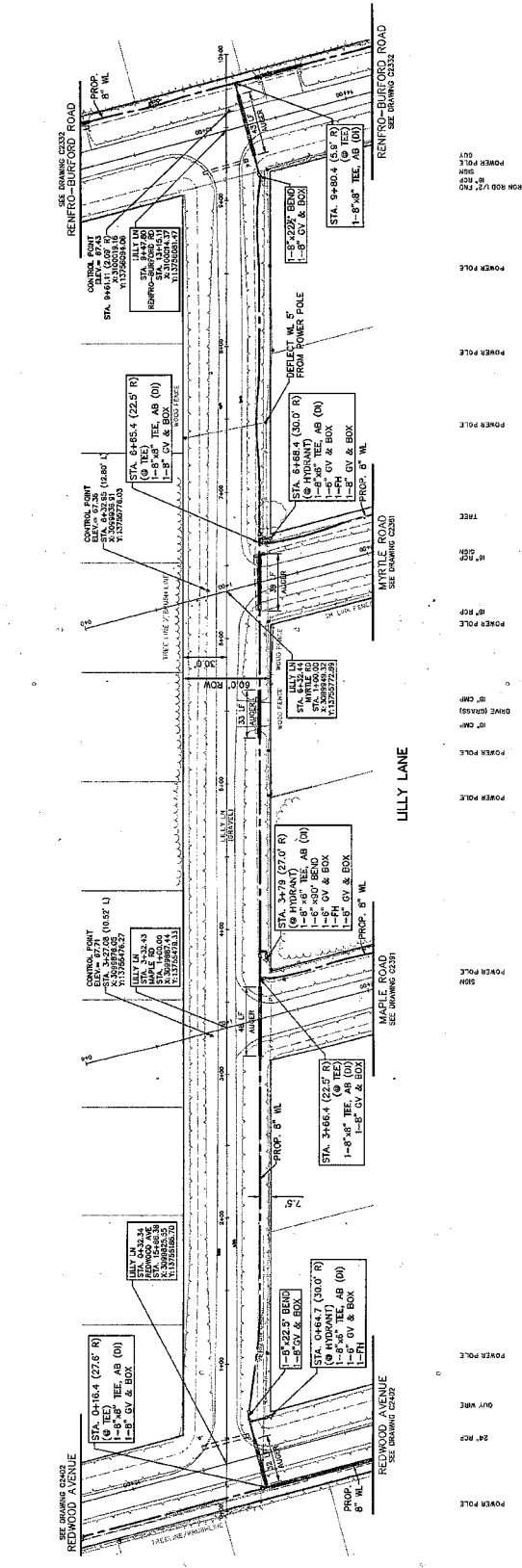
FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]

FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]

FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]

FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]

FOR FURTHER INFORMATION CONTACT THE PROJECT MANAGER  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]  
 PROJECT MANAGER: [Name]



811 logo and contact information for Fort Bend County Freshwater Supply District No. 1.

JACOBS logo and address: JACOBS CONSULTANTS INC., 10000 WESTCHASE DRIVE, HOUSTON, TEXAS 77036.

PEARLAND logo and address: PEARLAND WATER SUPPLY DISTRICT NO. 1, 10000 WESTCHASE DRIVE, HOUSTON, TEXAS 77036.

Project information: PROJECT NO. W-2014-01, DATE: APR. 2014, DRAWING NO.: C2371, SHEET: 73 OF 88.

Approval stamps and signatures for the project.

Additional project details and notes.

Notes regarding utility lines and project requirements.

Notes regarding utility lines and project requirements.

Notes regarding utility lines and project requirements.







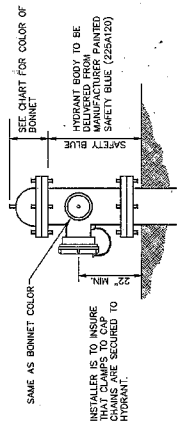




**811**

FOR BAYED UTILITY INFORMATION  
 CALL 811  
 BEFORE YOU DIG CALL 811  
 (OR 1-800-545-6000, TOLL-FREE)  
 (OR 1-800-595-8344, LINE STER 811)  
 WWW.811TX.COM

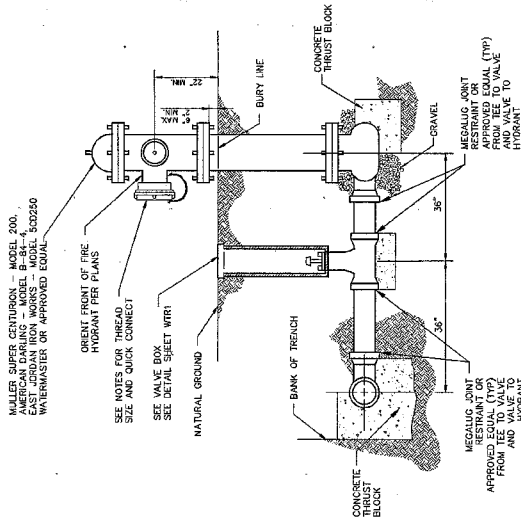
- NOTES:
1. PRESSURE TEST OF ALL WATER LINES SHALL BE AT 125 PSI FOR DURATION OF 8 HOURS.
  2. FIRE HYDRANT THREAD SIZE: PUMPER CONNECTION 4"-482 SIZE=4.492".
  3. PROVIDE "UN-FLANGE" OR APPROVED EQUAL PIPE RESTRAINT AND CASING SYSTEM ON UNDERGROUND PRESSURE PIPE SYSTEMS.
  4. FIRE HYDRANT ASSEMBLY SHALL NORMALLY BE LOCATED THREE FEET BEHIND FOOT CLEARANCE REQUIRED ASSEMBLY SHALL INCLUDE ONE LINE 1" SIZE BY SIX INCH TEE, ONE SIX INCH GATE VALVE AND BOX, ONE FIRE HYDRANT AND SIX INCH LEAD PIPING AND FITTINGS.
  5. ALL CONCRETE THRUST BLOCKING SHALL BE PLACED TO FORM A SOLID UNDISTURBED EARTH CONCRETE FOR THRUST BLOCKING SHALL HAVE A MINIMUM OF 2500 P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS.
  6. INSTALL CONCRETE BLOCK BENEATH FIRE HYDRANTS BEFORE PLACING CONCRETE THRUST BLOCKING TO INSURE THAT FIRE HYDRANTS ARE INSTALLED LEVEL.
  7. ALL FIRE HYDRANTS AND VALVE BOXES ARE TO BE ADJUSTED TO FINISH GRADE AFTER FINING IS COMPLETE.
  8. ALL FIRE HYDRANTS ARE TO BE EQUIPPED WITH HYDRA-STORZ QUICK CONNECT HYDRA-SHIELD, INC. OR APPROVED EQUAL DEBRIS CAP IS TO BE INSTALLED WITH A 1/2" STAINLESS STEEL CABLE UTILIZING THE EYELET ON THE FIRE HYDRANT AND THE DEBRIS CAP.
  9. CONTRACTOR SHALL NOTIFY CITY ENGINEER 72 HOURS BEFORE START OF CONSTRUCTION.
  10. ALL FIRE HYDRANT RESTRAINTS TO BE AS FITTING.



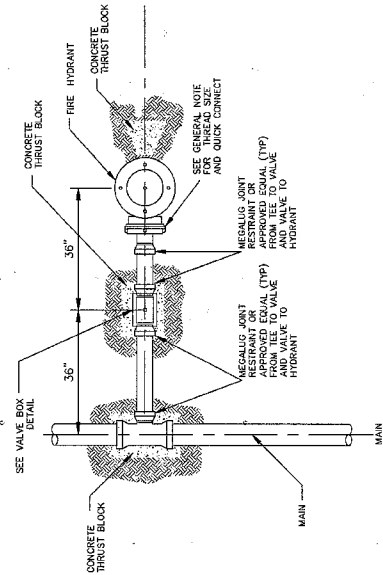
COLOR CODE - BONNETS AND CAPS

MAIN SIZE	COLOR CODE
6"	CLASS WHITE CODE NO. 225A110
8"	SAFETY ORANGE CODE NO. 225A122
10" AND 12"	JOHN DEERE GREEN CODE NO. 225A133
16"	SAFETY RED CODE NO. 225A138
22" AND UP	SAFETY RED CODE NO. 225A135

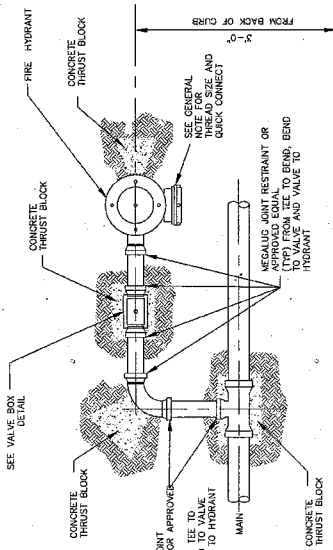
**FIRE HYDRANT - COLOR CODE**



**FIRE HYDRANT**



**3** **FIRE HYDRANT - PLAN**



**4** **ALTERNATE FIRE HYDRANT - PLAN**

FOR BAYED UTILITY INFORMATION  
 CALL 811  
 BEFORE YOU DIG CALL 811  
 (OR 1-800-545-6000, TOLL-FREE)  
 (OR 1-800-595-8344, LINE STER 811)  
 WWW.811TX.COM

**JACOBS**  
 FORT BEND COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE II -  
 WATERLINE IMPROVEMENTS

DATE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DESCRIPTION: \_\_\_\_\_ DATE: \_\_\_\_\_

**PEARLAND**  
 FORT BEND COUNTY

PROJECT NO. WATERSUP01  
 DATE: APR. 2014  
 DRAWN BY: J. JACOBI  
 CHECKED BY: J. JACOBI  
 SCALE: AS SHOWN  
 SHEET NO.: CD2902  
 OF 86

**79**

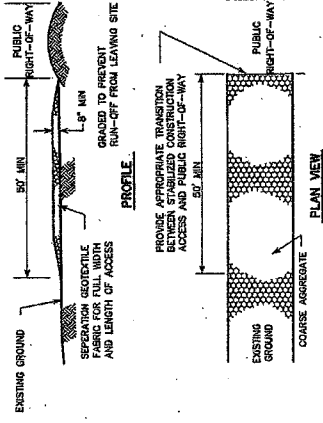
DATE: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 DATE: \_\_\_\_\_



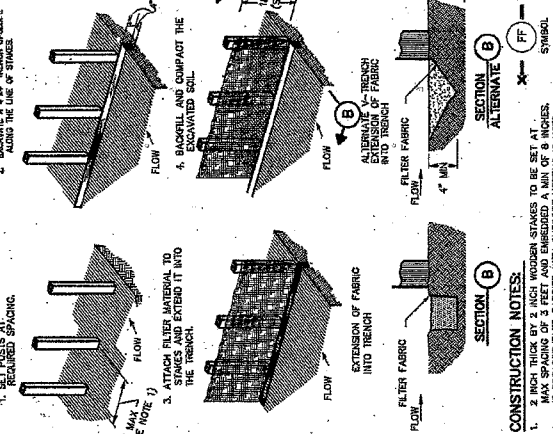
**811**

FOR MORE DETAILED INFORMATION  
CALL 811  
BEFORE YOU DIG CALL 811  
(OR 1-800-545-0005 TOLLFREE)  
(OR 1-800-669-8344 LOW SURVEY)  
OR VISIT US ONLINE AT  
WWW.811.TX.GOV

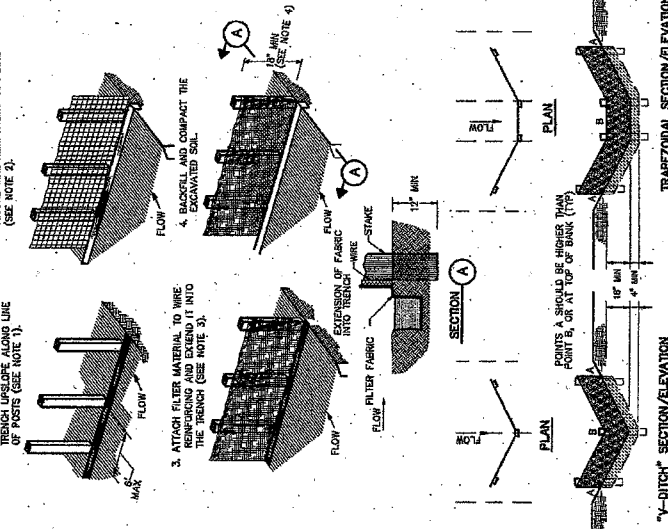
**NOTE:**  
1. WHEN STABILIZED CONSTRUCTION ACCESS IS REQUIRED FOR FULL WIDTH AND LENGTH OF ACCESS, THE STABILIZER SHALL BE INSTALLED WITH A DRAINAGE FABRIC WITH A DIAMETER EQUAL TO OR GREATER THAN THE UNDERLYING SUBSTRATE.



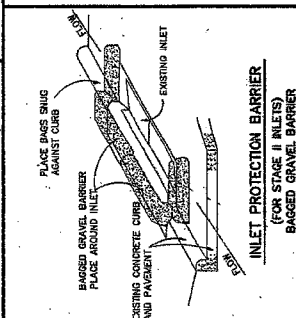
- CONSTRUCTION NOTES:**
- LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
  - THICKNESS SHALL BE NOT LESS THAN 6 INCHES.
  - WIDTH SHALL BE NOT LESS THAN 8 INCHES.
  - STABILIZATION FOR OTHER AREAS SHALL MAKE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION ACCESS, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
  - STABILIZER SHALL BE USED ON ALL EXPOSED SURFACES AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
  - SEE STANDARD SPECIFICATION FOR STABILIZED CONSTRUCTION ACCESS.
  - SEE STANDARD SPECIFICATION FOR STABILIZED CONSTRUCTION ACCESS.



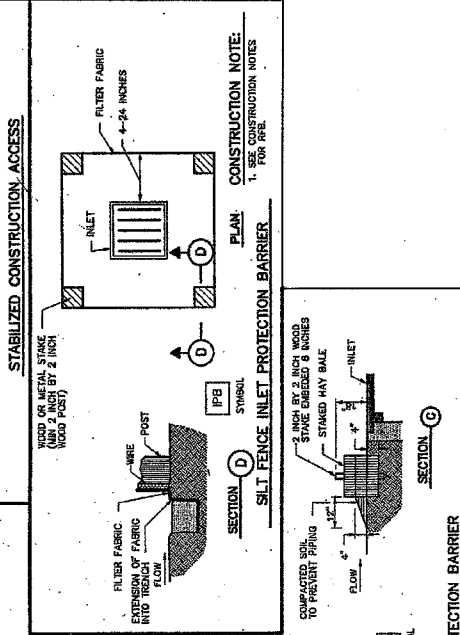
- CONSTRUCTION NOTES:**
- 2 INCH THICK BY 2 INCH WOODEN STAKES TO BE SET AT 4 FEET ON CENTER. IF PRE-ASSEMBLED BARRIER WITH SUPPORT METALS IS USED, SPACING OF POST MAY BE INCREASED TO 8 FEET MAX.
  - ATTACH FILTER FABRIC TO WOODEN STAKES. FILTER FABRIC BARRIER SHALL HAVE A MIN HEIGHT OF 18 INCHES AND MAX HEIGHT OF 36 INCHES ABOVE NATURAL GROUND.
  - TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER SHALL BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
  - SEE 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.
  - WOVEN WIRE REINFORCING TO BE FASTENED SECURELY TO BARRIER POSTS WITH STAPLES.
  - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE AND REINFORCING WITH STAPLES EVERY 24 INCHES AT TOP AND INTERSECTION.
  - 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 SHALL BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
  - SEE STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.



- CONSTRUCTION NOTES:**
- PLACE BAGS SNUG AGAINST CURB.
  - PLACE BAGS SNUG AGAINST CURB.
  - EXISTING CONCRETE CURB AND PAVEMENT.
  - EXISTING INLET.
  - INLET PROTECTION BARRIER (FOR STAGE II INLETS) BAGGED GRAVEL BARRIER.



- CONSTRUCTION NOTES:**
- SEE CONSTRUCTION NOTES FOR SILT FENCE.

DATE	DESCRIPTION	DATE	DESCRIPTION

**JACOBS**  
HOUSTON, TEXAS 77060  
PHASE II - WATERLINE IMPROVEMENTS  
STORM WATER POLLUTION PREVENTION PLAN DETAILS

PROJECT NO. 202002024  
DATE: APR. 2014  
DRAWN BY: J. COOPER  
CHECKED BY: J. COOPER  
SCALE: AS SHOWN

81  
OF 86

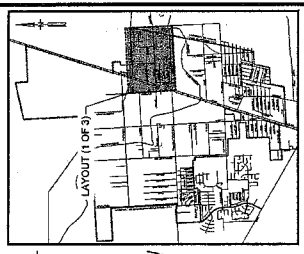
SWPPP01

4/11/15  
DATE



FOR BURIED UTILITY INFORMATION  
 CALL 811  
 BEFORE YOU DIG. CALL 811  
 OR 1-800-345-5000 (Toll-Free 811)  
 OR 1-800-880-8344 (Local Area 811)  
 FOR MORE INFORMATION, VISIT OUR WEBSITE  
 WWW.811.COM

- LEGEND
- (F) FILTER FABRIC BARRIER
  - (RFB-1) REINFORCED FILTER FABRIC BARRIER AT DITCH CULVERT
  - (RFB-2) REINFORCED FILTER FABRIC BARRIER AT DITCH CULVERT



SHEET KEY  
 (RFBWSDFH - PHASE 2)

NO.	DESCRIPTION	DATE	DRW.	CHK.



**JACOBS**  
 8800 SOUTHWEST ROAD  
 FORT WORTH, TEXAS 76134  
 PHONE: 817.339.3200  
 FAX: 817.339.3201  
 WWW.JACOBS.COM

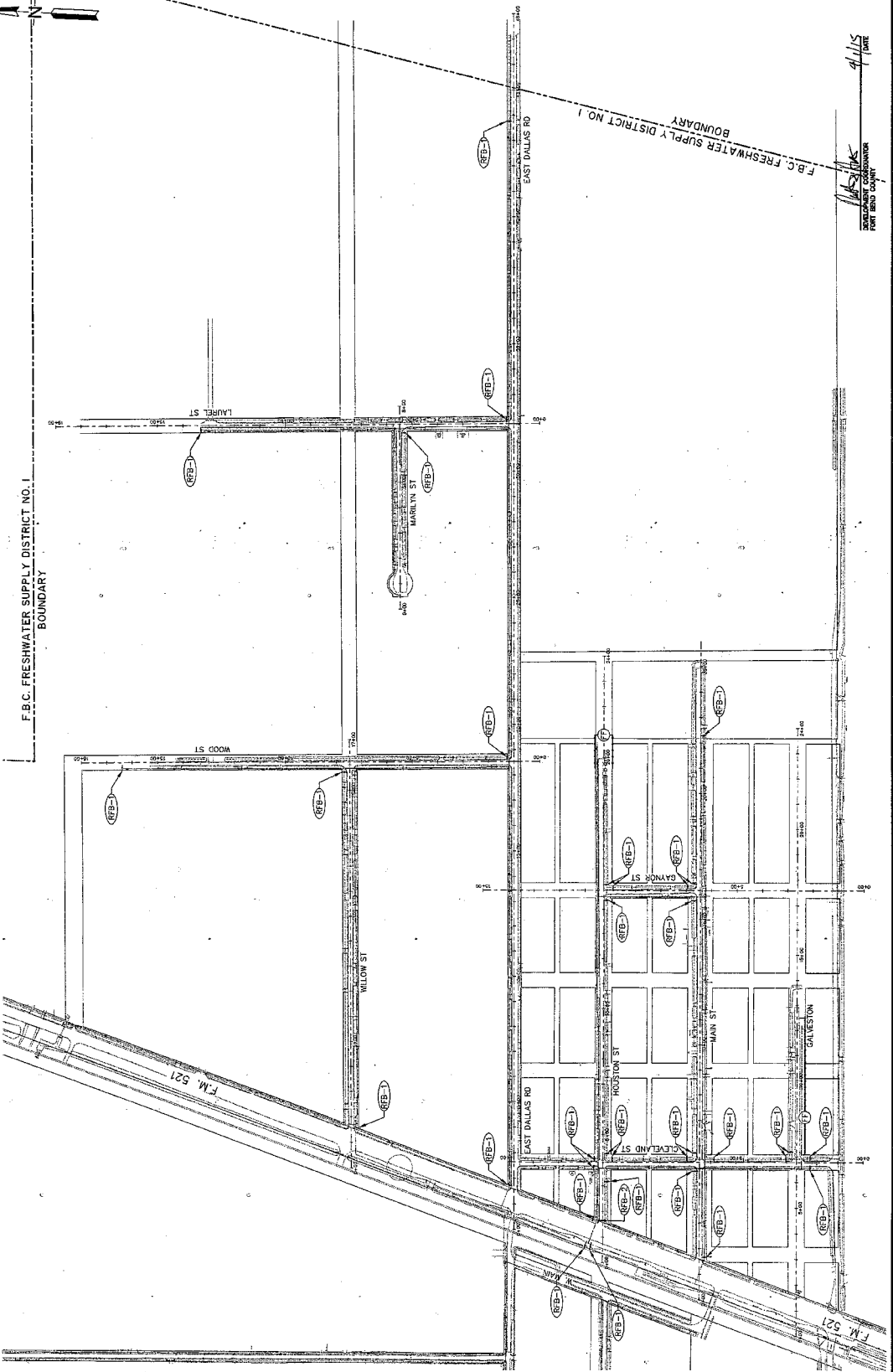


PORT BEND COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 PHASE II -  
 WATERLINE IMPROVEMENTS

STORMWATER SOLUTION  
 PRESENTATION PLAN  
 LAYOUT (1 OF 3)

SHEET  
**82**  
 OF 85

PROJECT NO. W0402516  
 DATE: 11/11/2009  
 DRAWN BY: J. GREGG  
 CHECKED BY: S. GIBBY  
 PROJECT MANAGER: S. GIBBY



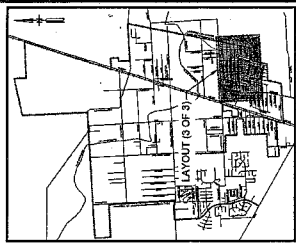
4/1/15  
 J. GREGG  
 PROJECT MANAGER  
 FORT BEND COUNTY





FOR BUREAU UTILITY INFORMATION  
 CALL 811  
 BEFORE YOU DIG CALL 811  
 (OR 1-800-544-6000 TOLL-FREE)  
 (OR 1-800-898-3044 Local Area Call)  
 www.811.org

- LEGEND
- (V) FILTER FABRIC BARRIER
  - (RB-1) REINFORCED FILTER FABRIC BARRIER AT DITCH CULVERT
  - (RB-2) REINFORCED FILTER FABRIC BARRIER AT DITCH CULVERT



NO.	DESCRIPTION	DATE	DRAWN	CHK.



**JACOBS**  
 FORT BEND COUNTY FRESHWATER  
 SUPPLY DISTRICT NO. 1  
 WATERLINE IMPROVEMENTS  
 PHASE II

STORMWATER POLLUTION  
 PREVENTION PLAN  
 LAYOUT (3 OF 3)

PROJECT NO: WAD01254  
 SHEET: 11-207  
 DATE: APR. 2014  
 DRAWN BY: V. NIA  
 CHECKED BY: J. COSETTE  
 PROJECT: SWPPP04

DATE: 4/15  
 PROJECT: SWPPP04  
 SHEET: 11-207  
 OF 96



FOR UNID UTILITY INFORMATION  
 CALL 811  
 BEFORE YOU DIG CALL 811  
 (OR 1-800-545-5000, TOLLFREE)  
 (OR 1-800-545-5000, TOLLFREE)  
 (OR 1-800-545-5000, TOLLFREE)  
 www.811.com

**LEGEND**

Type II Barriercade

Heavy Truck Vehicle

Truck Mounted Attenuator

Flashing Arrow Panel

Flagger

Sign Post

Chaining Devices

Truck Mounted Attenuator

Portable Checkbook

Message Sign

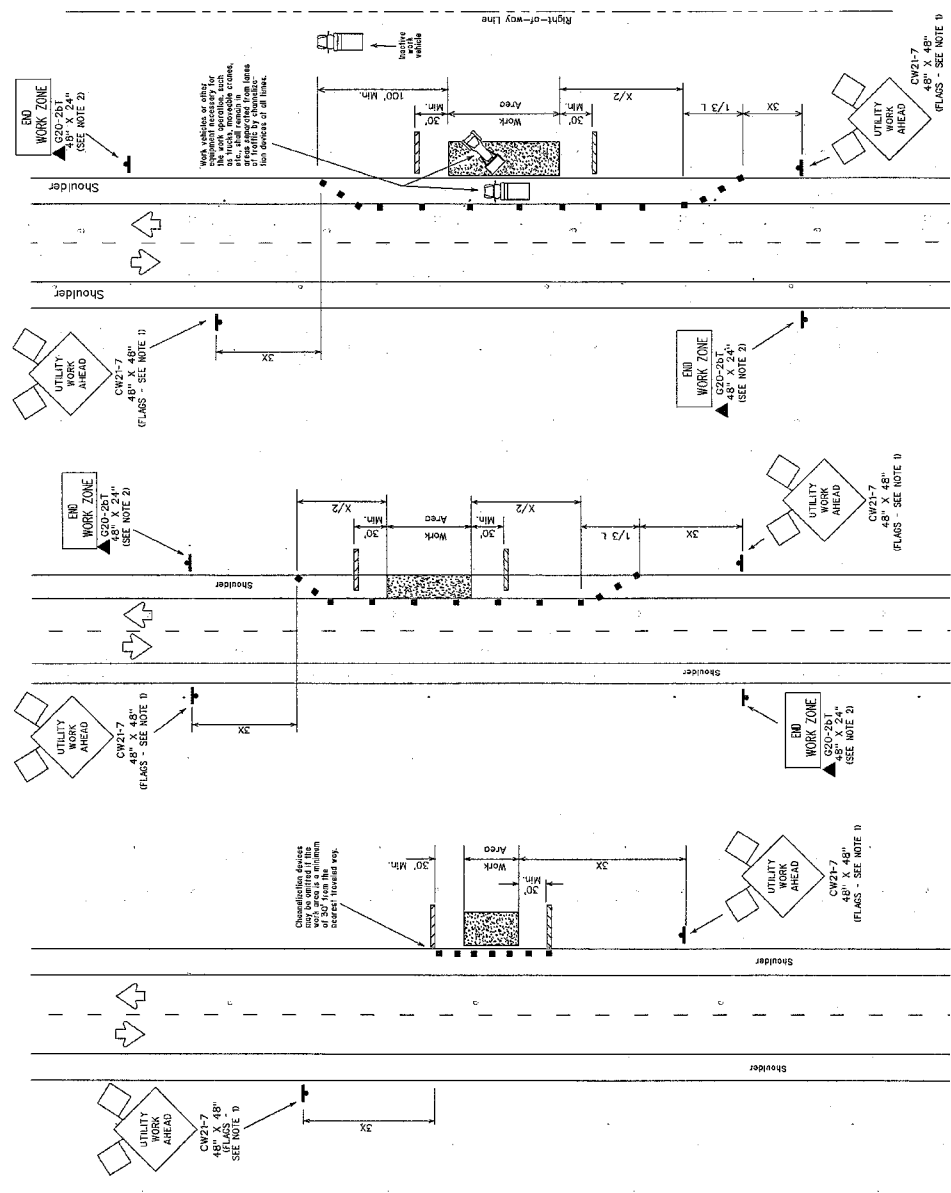
Sign Size	Minimum Clearance		Sign Spacing	
	Offset	Clearance	Offset	Clearance
30	150'	165'	30'	60'-75'
35	205'	225'	35'	70'-90'
40	265'	295'	40'	80'-100'
45	450'	495'	45'	90'-100'
50	550'	605'	50'	100'-125'
55	600'	660'	55'	100'-140'
60	650'	720'	60'	120'-150'
65	700'	770'	65'	130'-165'
70	750'	840'	70'	140'-175'
800'				

\* Downstream from City  
 \*\* Upstream from City  
 \*\*\* At least 4' from (PT) 1 in Paved Street (MPS)

**TYPICAL USAGE:**

MOBILE	SHORT TRAVEL	INTERMEDIATE TRAVEL	LONG TRAVEL
✓	✓	✓	✓

- GENERAL NOTES:**
- Unless otherwise stated in the plans, logs attached to signs are REQUIRED.
  - All traffic control devices illustrated are REQUIRED, except those indicated in the triangle symbol may be omitted when stated elsewhere in the plans.
  - Type III barricades are required on both sides of work area of all lanes where shown. (See 811 Standards for Barricade Details)
  - Stoopails material should be placed a minimum 30' from nearest travel way.
  - On high speed facilities advance warning signs should be installed approximately 3X' from the work area or from the beginning of a lane closure. Advance warning signs 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 faxing:
- Standard's Engineer  
 Traffic Operations Division - TE  
 Texas Department of Transportation  
 125 East 11th Street  
 Austin, TX 78701  
 Phone (512) 416-3335  
 Fax (512) 416-3161  
 E-mail TRF-STANDARD@mtgwy.com; t.state.tx.us



TCP (2-1a) Work Area Near Shoulder

TCP (2-1b) Work Area on Shoulder

TCP (2-1c) Work Vehicles on Shoulder

TRAFFIC CONTROL PLAN

TCP(2-1)-98

**STANDARD PLANS**  
 TEXAS DEPARTMENT OF TRANSPORTATION  
 Traffic Operations Division

PROJECT NO. 11-AS-BROWNS  
 DATE: APRIL 2004  
 DRAWING NO. 11-AS-BROWNS-01  
 SHEET 85 OF 86

PHASE II - WATERLINE IMPROVEMENTS

FOR BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1

JACOBS  
 1000 WEST 17TH STREET  
 HOUSTON, TEXAS 77058  
 MARK DUBOIS, PROJECT MANAGER

DATE: 4/1/04

DATE: 4/1/04



DATE: 4/1/04

DATE: 4/1/04

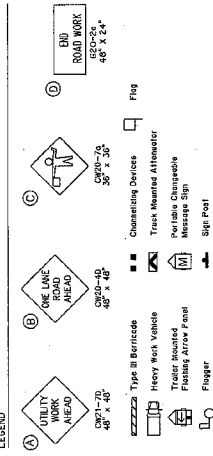


FOR BUREAU UTILITY INFORMATION  
 BEFORE YOU DIG CALL 811  
 (OR 1-800-546-6000 TOLLFREE)  
 (OR 1-800-888-8844 (Area Res. 811))  
 OR VISIT OUR WEBSITE AT  
 WWW.811.TX.GOV  
 WWW.811TX.GOV

**GENERAL NOTES:**

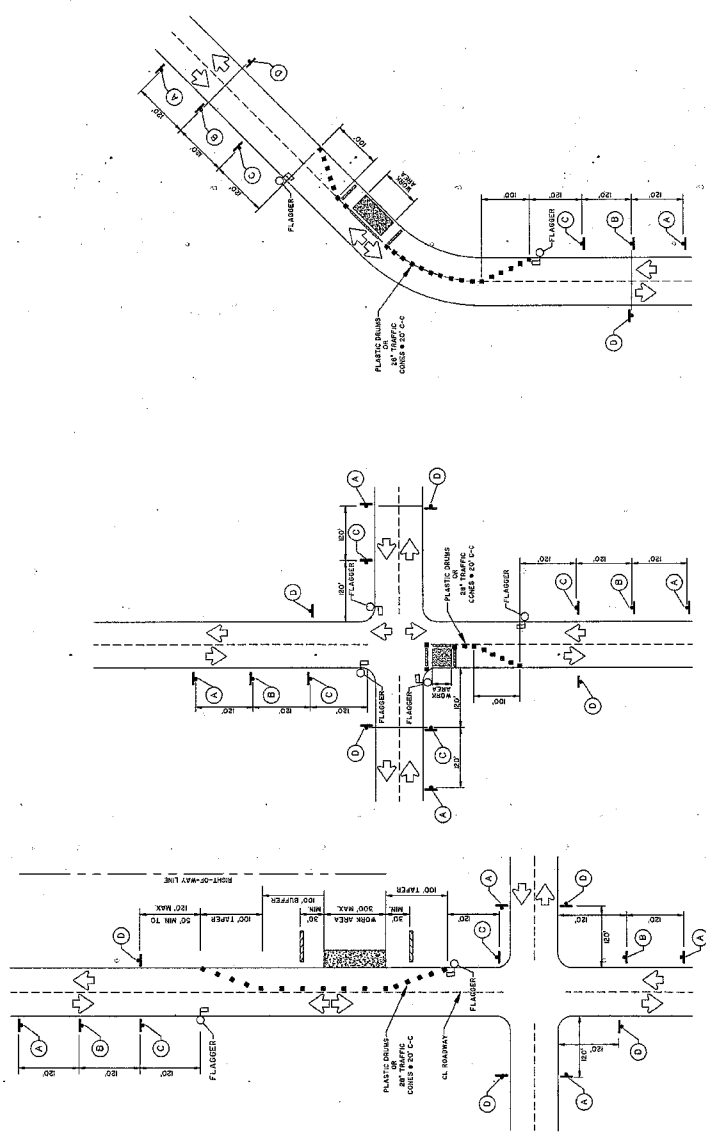
- THE CONSTRUCTION TRAFFIC CONTROL SIGNS, DEVICES, AND BARRICADES ON THESE PLANS ARE TO BE USED UNDER THE FOLLOWING CONDITIONS THAT MAY ARISE DUE TO UNDESIRABLE FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER USE OF THESE SIGNS, DEVICES, AND BARRICADES TO MAINTAIN THE SAFE MOVEMENT OF TRAFFIC AND THE CONSTRUCTION ZONE SAFETY.
- CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH THE LATEST EDITION OF THE MUTCD. TRAFFIC CONTROL DEVICES THROUGHOUT MUST BE MAINTAINED IN CONFORMANCE WITH THE LATEST EDITION OF THE MUTCD.
- CONTRACTOR SHALL PROVIDE ACCESS TO ALL PROPERTIES ALONG THIS PROJECT AT ALL TIMES DURING CONSTRUCTION UNLESS OTHERWISE AUTHORIZED SPECIFICALLY BY THE ENGINEER.
- ALL EXISTING STOP SIGNS, STREET NAME SIGNS, AND WARNING SIGNS SHALL BE MAINTAINED IN PLACE DURING THE ENTIRE PERIOD OF CONSTRUCTION BY THE CONTRACTOR.
- ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED IN CONFORMANCE WITH THE LATEST EDITION OF THE MUTCD. ALL TRAFFIC CONTROL DEVICES, ANY SIGNS, AND BARRICADES AS REQUIRED TO MAINTAIN TRAFFIC AND CONSTRUCTION ZONE SAFETY DURING CONSTRUCTION SHALL BE MAINTAINED IN CONFORMANCE WITH THE LATEST EDITION OF THE MUTCD. ALL TRAFFIC CONTROL DEVICES, ANY SIGNS, AND BARRICADES AS REQUIRED TO MAINTAIN TRAFFIC AND CONSTRUCTION ZONE SAFETY DURING CONSTRUCTION SHALL BE MAINTAINED IN CONFORMANCE WITH THE LATEST EDITION OF THE MUTCD.
- ALL TRAFFIC CONTROL DEVICES, ANY SIGNS, AND BARRICADES, ETC. SHALL BE CONSIDERED A PART OF THE CONSTRUCTION. ALL BARRICADES, SIGNS, CHANNELIZING DEVICES, WARNING LIGHTS, AND TRAFFIC HANDLING DEVICES ARE MAINTAINED IN A CLEAN FUNCTIONAL CONDITION AT ALL TIMES.
- ALL SIGNS, WARNING DEVICES, AND BARRICADES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING ACTS OF VANDALISM OR ACCIDENT.
- ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED IN CONFORMANCE WITH THE LATEST EDITION OF THE MUTCD THROUGHOUT THE LENGTH OF THE PROJECT.
- IF THE CONTRACTOR CHOOSES TO USE A DIFFERENT METHOD OF "TRAFFIC CONTROL PLANS" DURING THE CONSTRUCTION THAN WHAT IS OUTLINED IN THE CONTRACT DRAWINGS, (S) HE SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY APPROVALS FROM THE ENGINEER AND THE PLAN REVIEW SECTION FOR APPROVAL. TEN WORKING DAYS PRIOR TO IMPLEMENTATION.
- THESE PLANS SHALL BE DRAWN TO SCALE ON REPRODUCIBLE MYLAR AND SEALED BY A LICENSED ENGINEER IN THE STATE OF TEXAS. APPROVED PLANS WILL BECOME A PART OF THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL MAINTAIN TRAFFIC LANES) ACCORDING TO TRAFFIC CONTROL PLANS DURING WORKING HOURS.
- CONCRETE TRAFFIC BARRIER (CTB) OR LOW PROFILE CONCRETE TRAFFIC BARRIER (LCTB) WITH REFLECTORS 10" C-C, IF PAVEMENT DROP IS MORE THAN TWELVE INCHES (12").
- 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 MAY BE OMITTED WHEN STATED ELSEWHERE IN THE PLANS.
- TYPE III BARRICADES ARE REQUIRED ON BOTH SIDES OF WORK AREA AT ALL TIMES WHERE SHOWN.
- STOCKPILED MATERIAL SHOULD BE PLACED A MINIMUM 30' FROM NEAREST TRAVELED WAY.
- ON HIGH SPEED FACILITIES ADVANCE WARNING SIGNS SHOULD BE INSTALLED APPROXIMATELY 3X FROM THE WORK AREA OR FROM THE BEGINNING OF A LINE OF SUCCESSION TAPES, ON LOW SPEED FACILITIES ADVANCE WARNING SIGNS SHOULD BE PLACED ON FACILITIES THE 1/2 MILE MINIMUM DISTANCE.

**LEGEND**



TYPE	SPEED	L	MINIMUM SPACING		MINIMUM SPACING		MINIMUM SPACING
			On	Off	On	Off	
Permit	MS	150	185	180	30	60-75	120
Permit	MS	205	225	245	35	70-90	150
Permit	MS	265	295	320	40	80-100	240
Permit	MS	450	495	540	45	90-110	320
Permit	MS	500	550	600	50	100-125	400
Permit	MS	550	605	660	55	110-140	500
Permit	MS	600	660	720	60	120-150	600
Permit	MS	650	715	780	65	130-165	700
Permit	MS	700	770	840	70	140-175	800

\* Connected Road Only  
 † Length of Type III Barricade or other (T1, 3-barrel) signal lamp



TYPICAL ONE LANE TWO WAY FLAGGING OPERATION  
 ONE LANE TWO WAY FLAGGING OPERATION  
 TYPICAL ONE LANE TWO WAY FLAGGING OPERATION FOR CURVED ROADS

DATE: 02/02/2014  
 TIME: 10:00 AM  
 USER: JACOBSON

**JACOBS**  
 HOUSTON, TEXAS 77022  
 PHONE: 281.232.0000

PROJECT: FORT BEND COUNTY FRESHWATER SUPPLY DISTRICT NO. 1 WATERLINE IMPROVEMENTS

TRAFIC CONTROL PLAN (2 OF 2)

SHEET 86 OF 88  
 PROJECT NO. TCP02

APPROVED: [Signature]  
 PROJECT ENGINEER  
 FORT BEND COUNTY

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

AUTHORIZED

BOND NO 70127166

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-two \*\* Dollars (\$ 332,000.00 ) current, lawful money of the United States of America, to be paid to said Robert E. Hebert, County Judge of Fort Bend County, Texas, or his successors in office, to which payment well and truly to be made and done, we, the undersigned, bind ourselves and each of us, our heirs, executors, administrators, successors, assigns, and legal representatives, jointly and severally, by these presents.

**\*\*Thousand 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 12th day of January, 2016.

Reddico Construction Co., Inc.

PRINCIPAL

Richard Sauer  
BY Michael A. Gruy, President

The Guarantee Company of North America USA

SURETY

Nancy T. Berry  
BY Nancy T. Berry, Attorney-In-Fact



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 31<sup>st</sup> 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

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



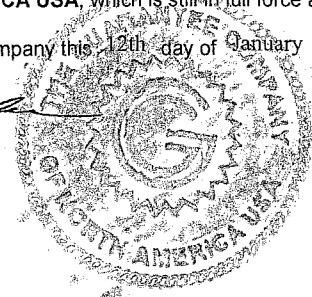
Cynthia A. Takai  
Notary Public, State of Michigan  
County of Oakland  
My Commission Expires February 27, 2018  
Acting in Oakland County

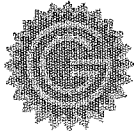
IN WITNESS WHEREOF, I have hereunto set my hand at The Guarantee Company of North America USA offices the day and year above written.

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 12th day of January, 2016.

  
Randall Musselman, Secretary



THE  
GUARANTEE

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](http://www.gcna.com)

E-mail: [Info@gcna.com](mailto: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](mailto: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:

One Towne Square, Suite 1470

Southfield, Michigan 48076

Web: [www.gcna.com](http://www.gcna.com)

E-mail: [Info@gcna.com](mailto: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](mailto:ConsumerProtection@tdi.state.tx.us)

#### DISPUTAS SOBRE PRIMAS O RECLAMOS:

Si tiene una disputa concierne 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 (TDI).

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