



**REVIEW BY FORT BEND COUNTY  
COMMISSIONERS COURT**

**Fort Bend County  
Engineering Department**  
301 Jackson Suite 401  
Richmond, Texas 77469  
281.633.7500  
Permits@fortbendcountytx.gov

☒ Right of Way Permit  
☐ Commercial Driveway Permit  
Permit No: 2018-22485

**Applicant:** Hurtado Construction Company

**Job Location Site:** 581 W Fairgrounds Road, Rosenberg, TX 77471

**Bond No.**                      **Date of Bond:** 8/15/2018 **Amount:** \$7,700.00

The above applicant came to make use of certain Fort Bend County property subject to, "The 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, of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Chapter 181, Vernon's Texas Statutes and Codes Annotated.

**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, submit notification to Permit Administrator thru MyGovernmentOnline.org portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.

On this 28th day of August, 2018, Upon Motion of Commissioner Meyers, seconded by Commissioner Morales, 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.

**Signature**

Presented to Commissioners Court and approved.

**By:**

Sean Eglinton  
County Engineer

Date Recorded 9-04-2018 Comm. Court No. 12A

**By:**

Mark Vogler  
Drainage District Engineer/Manager

Clerk of Commissioners Court

**By:**

Konda Willis  
Deputy



**PERMIT APPLICATION REVIEW FORM FOR  
CABLE, CONDUIT, AND POLE LINE ACTIVITY  
IN FORT BEND COUNTY**

**Fort Bend County  
Engineering Department**  
301 Jackson Suite 401  
Richmond, Texas 77469  
281.633.7500  
Permits@fortbendcountytexas.gov

- ☒ Right of Way Permit  
☐ Commercial Driveway Permit

Permit No: 2018-22485

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

**(1) COMPLETE APPLICATION FORM:**

- ☒ a. Name of road, street, and/or drainage ditch affected.  
☒ b. Vicinity map showing course of directions  
☒ c. Plans and specifications

**(2) BOND:**

- ☐ County Attorney, approval when applicable.
- ☐ Perpetual bond currently posted. Bond No: \_\_\_\_\_ Amount: \_\_\_\_\_
- ☒ Performance bond submitted. Bond No: [REDACTED] Amount: \$7,700.00
- ☐ Cashier's Check Check No: \_\_\_\_\_ Amount: \_\_\_\_\_

**(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):**

Adam Wright  
Drainage District Approval

8-21-18  
Date

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

[Signature]  
Permit Administrator

8/21/2018  
Date

34



**PERFORMANCE BOND COVERING ALL CABLE CONDUIT AND/OR POLE LINE  
ACTIVITY IN UNDER ACROSS OR ALONG FORT BEND COUNTY ROAD  
COMMERCIAL DRIVEWAY AND MEDIAN OPENINGS OR MODIFICATIONS  
(AUTHORIZED)**

Park Place Southwest Section 1

BOND NO [REDACTED]

THE STATE OF TEXAS

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND

THAT WE, Hurtado Construction Company whose (address, phone) is 5629 FM 359 RD S Brookshire, TX 77423, Texas, hereinafter called the Principal, and Liberty Mutual Insurance Company, a Corporation existing under and by virtue of the laws of the state of MA and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at (name/address/phone) Liberty Mutual Insurance Company 175 Berkeley Street, Boston, MA 02116 whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is \*\*\*See Below\*\*\* and whose address is 211 East 7th Street, Suite 620, Austin, Texas 78701 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 Seven Thousand Seven Hundred Dollars and 00/100 Dollars (\$7,700.00) current, lawful money of the United States of America, to be paid to said Robert E. Hebert, County Judge of Fort Bend County, Texas, or his successors in office, to which payment well and truly to be made and done, we, the undersigned, bind ourselves and each of us, our heirs, executors, administrators, successors, assigns, and legal representatives, jointly and severally, by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT, WHEREAS, the above bounden principal contemplates laying, constructing maintaining and/or repairing one or more cables, conduits, and/or pole lines in, under, across and/or along roads, streets and highways, commercial driveway and median openings or modifications in the County of Fort Bend, and the State of Texas, under the jurisdiction of the Commissioners' Court of Fort Bend County, Texas, pursuant to the Commissioners' Court order adopted on the 1st day of December, A.D. 1980, recorded in Volume 13, of the Commissioners' Court Minutes of Fort Bend County, Texas, regulating same, which Commissioners' Court order is hereby referred to and made a part hereof for all purposes as though fully set out herein;

AND WHEREAS, the principal desires to provide Fort Bend County with a performance bond covering all such cable, conduit and/or pole line activity, commercial driveway and median Openings or modifications;

NOW, THEREFORE, if the above bounden principal shall faithfully perform all its cable, conduit and/or pole line activity (including, but not limited to the laying, construction, maintenance and/or repair of cables, conduits and/or pole lines) in, under, across and/or along roads, streets and highways, commercial driveway and median openings or modifications in the County of Fort Bend and State of Texas, under the jurisdiction of the Commissioners Court of Fort Bend County, Texas, pursuant to and in accordance with minimum requirements and conditions of the above mentioned Commissioners' Court order set forth and specified to be by said principal done and performed, at the time and in the manner therein specified, and shaft 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 15th day of August, 2018

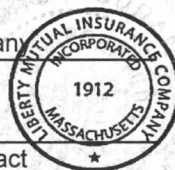
\*\*\*Michael Ross McCormick/Corporation Service Company d/b/a/ CSC-Lawyers Incorporating Service Company\*\*\*

Hurtado Construction Company  
PRINCIPAL

BY

Liberty Mutual Insurance Company  
SURETY

BY Jo Ann Parker, Attorney-in-Fact



CCM 8-28-18 # 12A  
Fort Bend County Clerk  
Return Admin Serv Coord RAC  
Permit # 2018-22485

**THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.**

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 8020028

Liberty Mutual Insurance Company  
The Ohio Casualty Insurance Company      West American Insurance Company

**POWER OF ATTORNEY**

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Jo Ann Parker; Denise Raker; David Stephen Wightman

all of the city of Houston, state of TX each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 26th day of February, 2018.



STATE OF PENNSYLVANIA      ss  
COUNTY OF MONTGOMERY

On this 26th day of February, 2018, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Teresa Pastella, Notary Public  
Upper Merion Twp., Montgomery County  
My Commission Expires March 28, 2021  
Member, Pennsylvania Association of Notaries

The Ohio Casualty Insurance Company  
Liberty Mutual Insurance Company  
West American Insurance Company

By: David M. Carey  
David M. Carey, Assistant Secretary

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

**ARTICLE IV – OFFICERS** – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

**ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings.** Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

**Certificate of Designation** – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

**Authorization** – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 15th day of August, 2018.



By: Renee C. Llewellyn  
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.





TEXAS  
IMPORTANT NOTICE

To obtain information or make a complaint:

You may call toll-free for information or to make a complaint at  
1-877-751-2640

You may also write to:

2200 Renaissance Blvd., Ste. 400  
King of Prussia, PA 19406-2755

You may contact the Texas Department of Insurance to obtain information on companies, coverages, rights or complaints at  
1-800-252-3439

You may write the Texas Department of Insurance  
Consumer Protection (111-1A)  
P. O. Box 149091  
Austin, TX 78714-9091  
FAX: (512) 490-1007  
Web: <http://www.tdi.texas.gov>  
E-mail: [ConsumerProtection@tdi.texas.gov](mailto:ConsumerProtection@tdi.texas.gov)

PREMIUM OR CLAIM DISPUTES:

Should you have a dispute concerning your premium or about a claim you should first contact the agent or call 1-800-843-6446. If the dispute is not resolved, you may contact the Texas Department of Insurance.

ATTACH THIS NOTICE TO YOUR  
POLICY:

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

TEXAS  
AVISO IMPORTANTE

Para obtener informacion o para someter una queja:

Usted puede llamar al numero de telefono gratis para informacion o para someter una queja al  
1-877-751-2640

Usted tambien puede escribir a:

2200 Renaissance Blvd., Ste. 400  
King of Prussia, PA 19406-2755

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 Consumer Protection (111-1A)  
P. O. Box 149091  
Austin, TX 78714-9091  
FAX # (512) 490-1007  
Web: <http://www.tdi.texas.gov>  
E-mail: [ConsumerProtection@tdi.texas.gov](mailto:ConsumerProtection@tdi.texas.gov)

DISPUTAS SOBRE PRIMAS O RECLAMOS:

Si tiene una disputa concerniente a su prima o a un reclamo, debe comunicarse con el agente o 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.

FILED AND RECORDED  
OFFICIAL PUBLIC RECORDS

*Laura Richard*

Laura Richard, County Clerk

Fort Bend County Texas

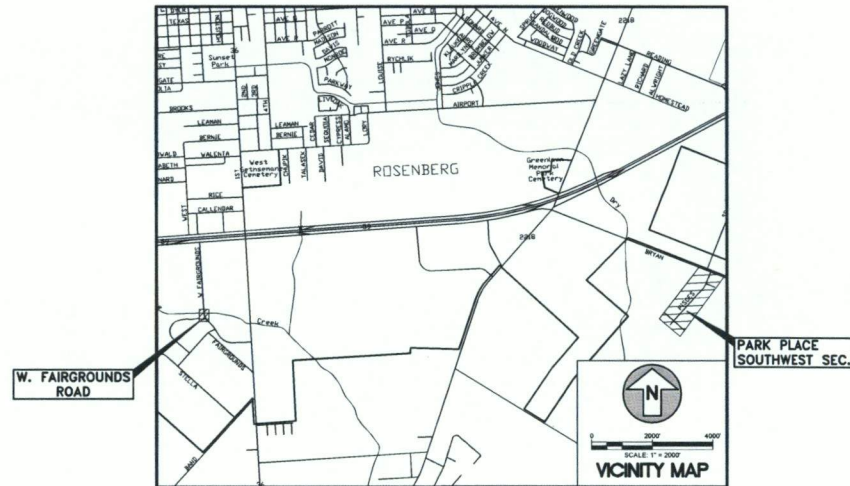
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CONSTRUCTION PLANS FOR  
**CITY OF ROSENBERG**  
**PARK PLACE SOUTHWEST SECTION 1**  
**WATER AND SANITARY SEWER EXTENSION**  
**AND**  
**WEST FAIRGROUNDS ROAD**  
**WATER LINE REALIGNMENT**  
**FORT BEND COUNTY, TEXAS**



**CITY OF ROSENBERG**

WILLIAM BENTON - MAYOR  
 JACOB BALDERAS - COUNCIL MEMBER AT LARGE, POSITION 1  
 AMANDA BARTA - COUNCIL MEMBER AT LARGE, POSITION 2  
 JIMMIE PENA - COUNCIL MEMBER, DISTRICT 1  
 SUSAN EUTON - COUNCIL MEMBER, DISTRICT 2  
 ALICE JOZWIAK - COUNCIL MEMBER, DISTRICT 3  
 LYNN MOSES - COUNCIL MEMBER, DISTRICT 4  
  
 JOHN MARESH - CITY MANAGER

**CobbFendley**  
 TBPE Firm Registration No. 274  
 TBPLS Firm Registration No. 100467  
 22316 Grand Corner Drive, Suite 100  
 Katy, Texas 77494  
 713-462-3242 | fax 713-462-3262  
 www.cobbfendley.com

APRIL 2018

**SHEET INDEX**

SHEET NO.	SHEET TITLE
1	COVER SHEET
2	GENERAL NOTES
3	OVERALL SITE PLAN
4	SURVEY CONTROL - PISCES, AQUARIUS, & LIBRA STREETS
5	SURVEY CONTROL - W. FAIRGROUNDS ROAD
6	PLAN & PROFILE - PISCES STREET STA 0+00 TO 5+00
7	PLAN & PROFILE - PISCES STREET STA 5+00 TO 10+00
8	PLAN & PROFILE - PISCES STREET STA 10+00 TO 15+00
9	PLAN & PROFILE - PISCES STREET STA 15+00 TO 19+00
10	PLAN & PROFILE - PISCES STREET STA 19+00 TO 23+00
11	PLAN & PROFILE - AQUARIUS STREET STA 0+00 TO 5+00
12	PLAN & PROFILE - AQUARIUS STREET STA 5+00 TO 9+00
13	PLAN & PROFILE - LIBRA STREET STA 0+00 TO 4+00
14	PLAN & PROFILE - W. FAIRGROUNDS ROAD STA 0+00 TO 4+00
15	STORM WATER POLLUTION PREVENTION PLAN DETAILS
16	PAVING AND TRAFFIC CONTROL NOTES AND DETAILS
17	WATER LINE NOTES AND DETAILS
18	SANITARY SEWER NOTES AND DETAILS

CONSTRUCTION IN FORT BEND COUNTY DRAINAGE DISTRICT RIGHT-OF-WAY.  
 CONTRACTOR SHALL OBTAIN A PERMIT FROM FORT BEND COUNTY PERMIT ADMINISTRATOR.  
 (281) 633-7500, PRIOR TO ANY WORK WITHIN THE FORT BEND COUNTY DRAINAGE DISTRICT  
 SEABOURNE CREEK RIGHT-OF-WAY.



*Charles M. Eastland* 3/29/18  
 CHARLES M. EASTLAND, P.E.  
 CITY ENGINEER  
*Rigo Calzonon* 3-29-18  
 RIGO CALZONON  
 EXECUTIVE DIRECTOR OF PUBLIC SERVICES

1. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS BEFORE BEGINNING CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SECURITY TO PROTECT THE PROJECT SITE, CONTRACTOR PROPERTY, EQUIPMENT, AND WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING STREETS OF CONSTRUCTION DIRT AND DEBRIS AT CLOSE OF EACH WORK DAY.
4. THE CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY, UPON COMPLETION OF THE JOB SHALL BE AS GOOD AS OR BETTER THAN PRIOR TO STARTING WORK.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR, ALONG WITH CONCURRENCE FROM THE FIELD ENGINEER, SHALL DETERMINE HIS/HER LAY-DOWN AND/OR STAGING AREA LOCATIONS.
6. THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS A MINIMUM OF 24 HOURS PRIOR TO BLOCKING DRIVEWAYS OR ENTERING UTILITY EASEMENTS.
7. TRAFFIC INGRESS AND EGRESS FOR DRIVEWAYS AND PEDESTRIAN ACCESS FACILITIES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
8. THE CONTRACTOR SHALL REMOVE ANY FENCES, POSTS, PLANTERS, PERMANENT TRASH CONTAINERS, CULVERTS, ETC. OR SECTIONS THEREOF, THAT ENCRoACH WITHIN: THE CITY'S RIGHT-OF-WAY. NOTE: PRIOR TO CONSTRUCTION, THE PROPERTY OWNER WAS PAID TO RELOCATE OR REPLACE THESE ITEMS OUTSIDE OF THE CITY'S RIGHT-OF-WAY.

5. NO JETTING OF BEDDING OR BACKFILL WILL BE ALLOWED.

15. THE SANITARY SEWER SERVICES AND CLEAN OUTS ARE SHOWN ON THE PLANS TO QUANTIFY SERVICE CONNECTIONS AND FOR GENERAL LOCATION REFERENCE. THE CONTRACTOR SHALL COORDINATE WITH ALL RESIDENTS ADJACENT TO THE PROPOSED PROJECT AREA REGARDING SEWER CLEAN OUT LOCATION RELATIVE TO FUTURE RESIDENCE CONNECTIONS PRIOR TO SERVICE CONSTRUCTION.

12. CONTRACTOR SHALL KEEP WATER PIPE CLEAN AND CAPPED (OR OTHERWISE EFFECTIVELY COVERED) OPEN PIPE ENDS TO EXCLUDE INSECTS, ANIMALS OR OTHER SOURCES OF CONTAMINATION FROM UNFINISHED PIPE LINES AT TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS.

2. PAVEMENT, BASE AND SUBGRADE REPAIR REQUIRED DUE TO OPEN CUT UTILITY CONSTRUCTION OR BORE PITS FOR TRENCHLESS CONSTRUCTION, SHALL BE CONSIDERED INCIDENTAL TO THE UTILITY CONSTRUCTION ITEM. INCLUDE THE COST OF THIS WORK UNDER CONTRACT UNIT PRICES FOR EACH UTILITY INVOLVED. SEE SPEC. 02616-1 PAVEMENT REPAIR AND RESURFACING.

**CITY OF ROSENBERG  
PARK PLACE SOUTHWEST  
FORT BEND COUNTY, TEXAS**

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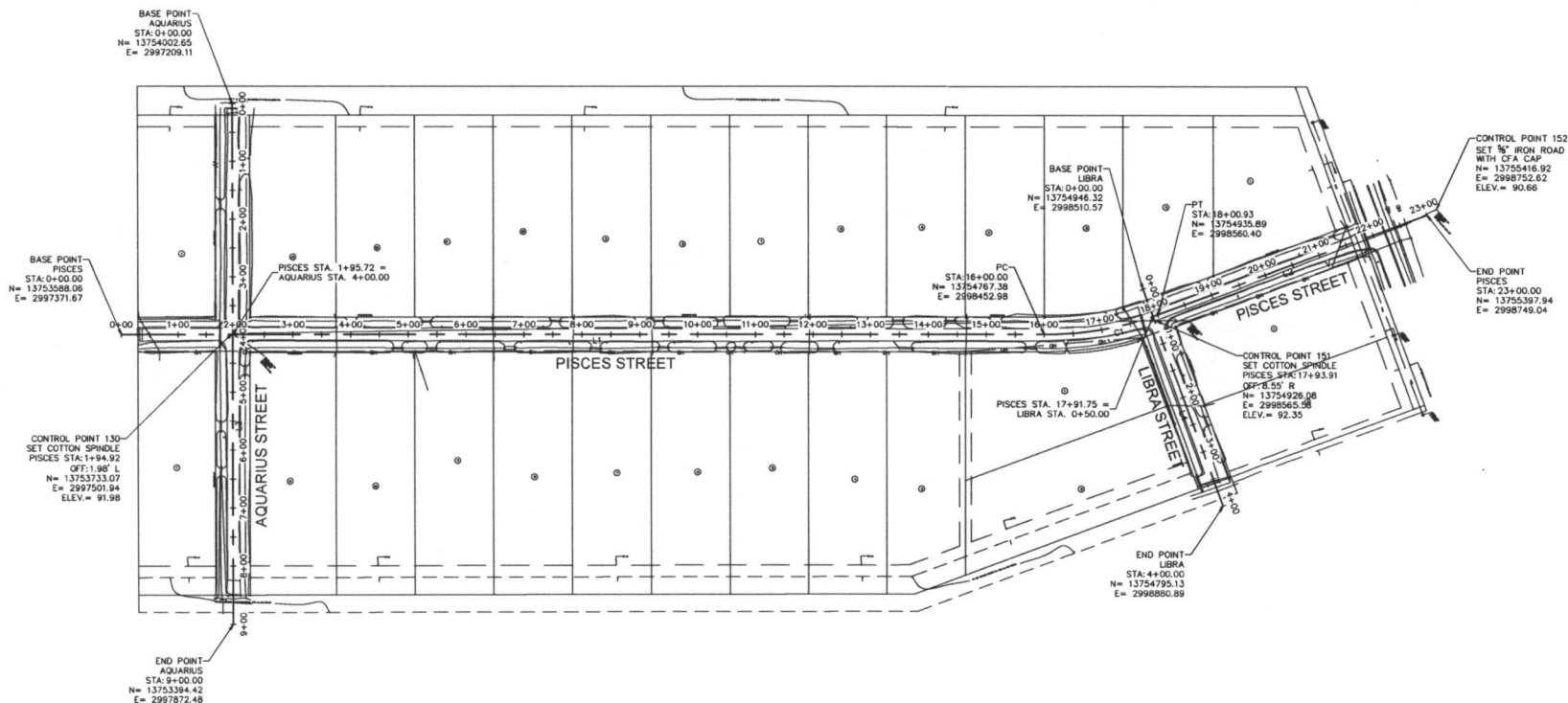
 **CobbFendley**  
TBPLS Firm Registration No. 274  
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22316 Grand Corner Drive, Suite 100  
Katy, Texas 77494  
713-462-3242 | fax 713-462-3262  
[www.cobbfendley.com](http://www.cobbfendley.com)

SUBMITTED:	DESIGNED BY:
SCALE:	DRAWN BY:
DATE: APRIL 2018	SHEET No.: 2 OF 18
SURVEY BY: CFA	DWG. NO:
F B NO:	





**BENCH MARK**  
**PROJECT BENCHMARK LOCATIONS**  
 TBM 88 IS LOCATED ON THE SECOND "L" IN MUELLER IN THE WEST SIDE OF FIRE HYDRANT AT THE NORTHEAST CORNER OF BRYAN RD. AND SPACER RD.  
 CONTROL POINT 1 IS A 5/8" IRON ROD LOCATED APPROXIMATELY 100' NORTH OF THE INTERSECTION OF WEST FAIRGROUNDS ROAD AND FAIRGROUNDS ROAD ON THE WEST SIDE OF WEST FAIRGROUNDS RD.  
 ELEV=94.19



CONTROL POINT 130  
 SET COTTON SPINDLE  
 PISCES STA: 1+94.92  
 OFF: 1.98' L  
 N= 13753733.07  
 E= 2997501.94  
 ELEV= 91.98

END POINT  
 AQUARIUS  
 STA: 9+00.00  
 N= 13753394.42  
 E= 2997872.48

BASE POINT  
 LIBRA  
 STA: 0+00.00  
 N= 13754946.32  
 E= 2998510.37

PC  
 STA: 16+00.00  
 N= 13754767.38  
 E= 2998452.98

END POINT  
 LIBRA  
 STA: 4+00.00  
 N= 13754795.13  
 E= 2998880.89

CONTROL POINT 151  
 SET COTTON SPINDLE  
 PISCES: SPK: 17+93.91  
 OFF: 8.55' R  
 N= 13754926.08  
 E= 2998565.58  
 ELEV= 92.35

CONTROL POINT 152  
 SET 5/8" IRON ROD  
 WITH CFA CAP  
 N= 13755416.92  
 E= 2998752.62  
 ELEV= 90.66

END POINT  
 PISCES  
 STA: 23+00.00  
 N= 13755397.94  
 E= 2998749.64

LINE TABLE				
LINE #	START STA.	END STA.	DISTANCE	DIRECTION
L1	0+00.00	16+00.00	1600.00	N42° 31' 03"E
L2	16+00.00	23+00.00	499.07	N22° 12' 32"E
L3	0+00.00	9+00.00	900.00	S47° 28' 57"E
L4	0+00.00	4+00.00	400.00	S67° 47' 28"E

CURVE TABLE						
CURVE #	START STA.	END STA.	RADIUS	LENGTH	DELTA	CHORD BEARING
C1	16+00.00	18+00.93	558.58	200.92	20°36'34"	N32° 30' 57"E
						199.84

**NOTES:**  
 1. ALL COORDINATES AND BEARINGS SHOWN ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE(4204). (NAD83, CORRS:2011 ADJUSTMENT, EPOCH: 2010.00) ALL COORDINATES AND DISTANCES ARE SURFACE VALUES AND MAY BE CONVERTED TO GRID BY A COMBINED SURFACE ADJUSTMENT FACTOR OF 1.00013.  
 2. ALL ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988(NAVD88, 1991 ADJUSTMENT).  
 PROJECT BENCHMARK:  
 TBM 88 IS LOCATED ON THE SECOND "L" IN MUELLER IN THE WEST SIDE OF FIRE HYDRANT AT THE NORTHEAST CORNER OF BRYAN RD. AND SPACER RD.  
 ELEV=94.19  
 3. THE SUBJECT PROPERTY AT DRY CREEK LIES WITHIN THE "FLOODWAY AREA WITHIN THE ZONE AE" THE FLOODWAY IS THE CHANNEL OF A STREAM PLUS ANY ADJACENT FLOODPLAIN AREAS THAT MUST BE KEPT FREE OF ENCROACHMENT SO THAT THE 1% ANNUAL CHANCE FLOOD CAN BE CARRIED WITHOUT SUBSTANTIAL INCREASES IN FLOOD HEIGHTS. THE REMAINING SUBJECT PROPERTY LIES WITHIN OTHER AREAS, ZONE X UNSHADED. AREAS DETERMINED TO BE OUTSIDE THE 5% CHANCE FLOODPLAIN EXCEPT FLOOD ZONE INFORMATION PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP PANEL NUMBER 48157C0004L, REVISED APRIL 2014 BY PAUL KIRWAN APRIL 10, 2017



**CITY OF ROSENBERG**  
**PARK PLACE SOUTHWEST**  
**FORT BEND COUNTY, TEXAS**

**CobbFendley**  
 TSPS Firm Registration No. 274  
 TSPS Firm Registration No. 50447  
 22316 Grand Corner Drive, Suite 100  
 Katy, Texas 77494  
 713-462-5242 / Fax 713-462-3262  
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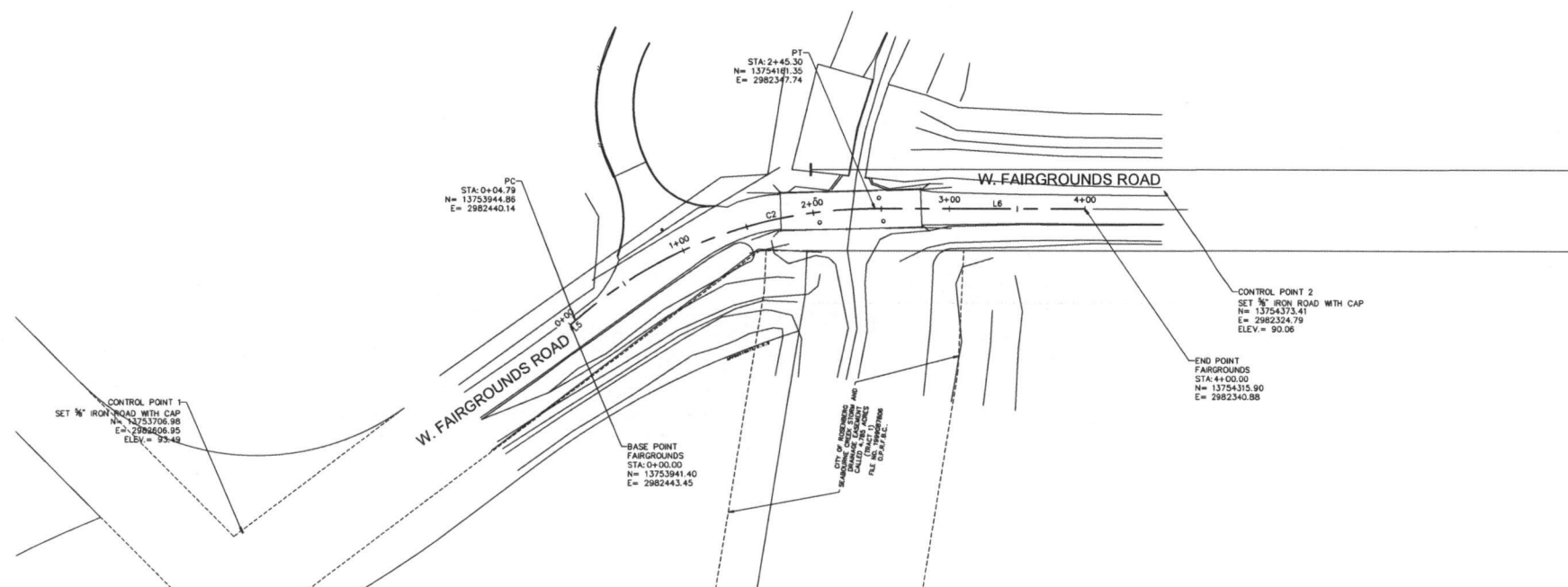
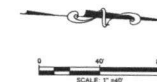
**SURVEY CONTROL -**  
**PISCES, AQUARIUS, &**  
**LIBRA STREETS**

SUBMITTED:	DESIGNED BY:
SCALE: 1"=100'	DRAWN BY:
DATE: APRIL 2018	SHEET No.: 4 OF 18
SURVEY BY: CFA	DWG. NO.:
F B NO.:	

1712-2033-01 - PARK PLACE SOUTHWEST

## BENCH MARK

PROJECT BENCHMARK LOCATIONS  
 TBM 68 IS LOCATED ON THE SECOND "L" IN MUELLER IN  
 THE WEST SIDE OF FIRE HYDRANT AT THE NORTHEAST  
 CORNER OF BRYAN RD. AND SPACE RD.  
 ELEV=94.19  
 CONTROL POINT 1 IS A 5/8" IRON ROD LOCATED  
 APPROXIMATELY 100' NORTH OF THE INTERSECTION OF  
 WEST FAIRGROUNDS ROAD AND FAIRGROUNDS ROAD ON  
 THE WEST SIDE OF WEST FAIRGROUNDS RD  
 ELEV=94.19



CONTROL POINT 1  
 SET 5/8" IRON ROD WITH CAP  
 N= 13753706.98  
 E= 2982440.95  
 ELEV= 94.19

PC  
 STA: 0+04.79  
 N= 13753944.86  
 E= 2982440.14

PT  
 STA: 2+45.30  
 N= 13754181.35  
 E= 2982347.74

BASE POINT  
 FAIRGROUNDS  
 STA: 0+00.00  
 N= 13753941.40  
 E= 2982443.45

CONTROL POINT 2  
 SET 5/8" IRON ROD WITH CAP  
 N= 13754373.41  
 E= 2982324.79  
 ELEV= 90.06

END POINT  
 FAIRGROUNDS  
 STA: 4+00.00  
 N= 13754315.90  
 E= 2982340.88

CITY OF ROSENBERG AND  
 PARK PLACE SOUTHWEST  
 FORT BEND COUNTY  
 TEXAS  
 FILE 89.8.7 ETC.

LINE TABLE

LINE #	START STA.	END STA.	DISTANCE	DIRECTION
L5	0+00.00	0+04.79	4.79	N43° 40' 45"W
L6	2+45.30	4+00.00	154.70	N2° 32' 41"W

CURVE TABLE

CURVE #	START STA.	END STA.	RADIUS	LENGTH	DELTA	CHORD BEARING	CHORD DISTANCE
C2	0+04.79	2+45.30	335.00	240.51	41°08'03"	N23° 06' 43"W	235.37

## NOTES:

- ALL COORDINATES AND BEARINGS SHOWN ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE(4204). (NAD83). COORDINATE ADJUSTMENT, EPOCH 2010.00. COORDINATES AND DISTANCES ARE SURFACE VALUES AND MAY BE CONVERTED TO GRID BY A CORRECTION SURFACE ADJUSTMENT FACTOR OF 1.00013.
- ALL ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD83, 1991 ADJUSTMENT).

PROJECT BENCHMARK:  
 CONTROL POINT 1 IS A 5/8" IRON ROD LOCATED APPROXIMATELY 100' NORTH OF THE  
 INTERSECTION OF WEST FAIRGROUNDS ROAD AND FAIRGROUNDS ROAD  
 ON THE WEST SIDE OF WEST FAIRGROUNDS RD  
 ELEV=94.19

- THE SUBJECT PROPERTY AT DRY CREEK LIES WITHIN THE "FLOODWAY" AREA WITHIN THE ZONE A2. THE FLOODWAY IS THE CHANNEL OF A STREAM PLUS ANY ADJACENT FLOODPLAIN AREAS THAT MUST BE KEPT FREE OF ENCROACHMENT SO THAT THE 1% ANNUAL CHANCE FLOOD CAN BE CARRIED WITHOUT SUBSTANTIAL INCREASES IN FLOOD HEIGHTS. THE REMAINING SUBJECT PROPERTY LIES WITHIN OTHER AREAS, ZONE X UNSHADED - AREAS DETERMINED TO BE OUTSIDE THE 0.2% CHANCE FLOODPLAIN EXCEPT FLOOD ZONE INFORMATION PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP PANEL NUMBER 4810/0204A, REVISED APRIL 2014 BY PAUL KIMM APRIL 10, 2017

NO.	DATE	REVISION



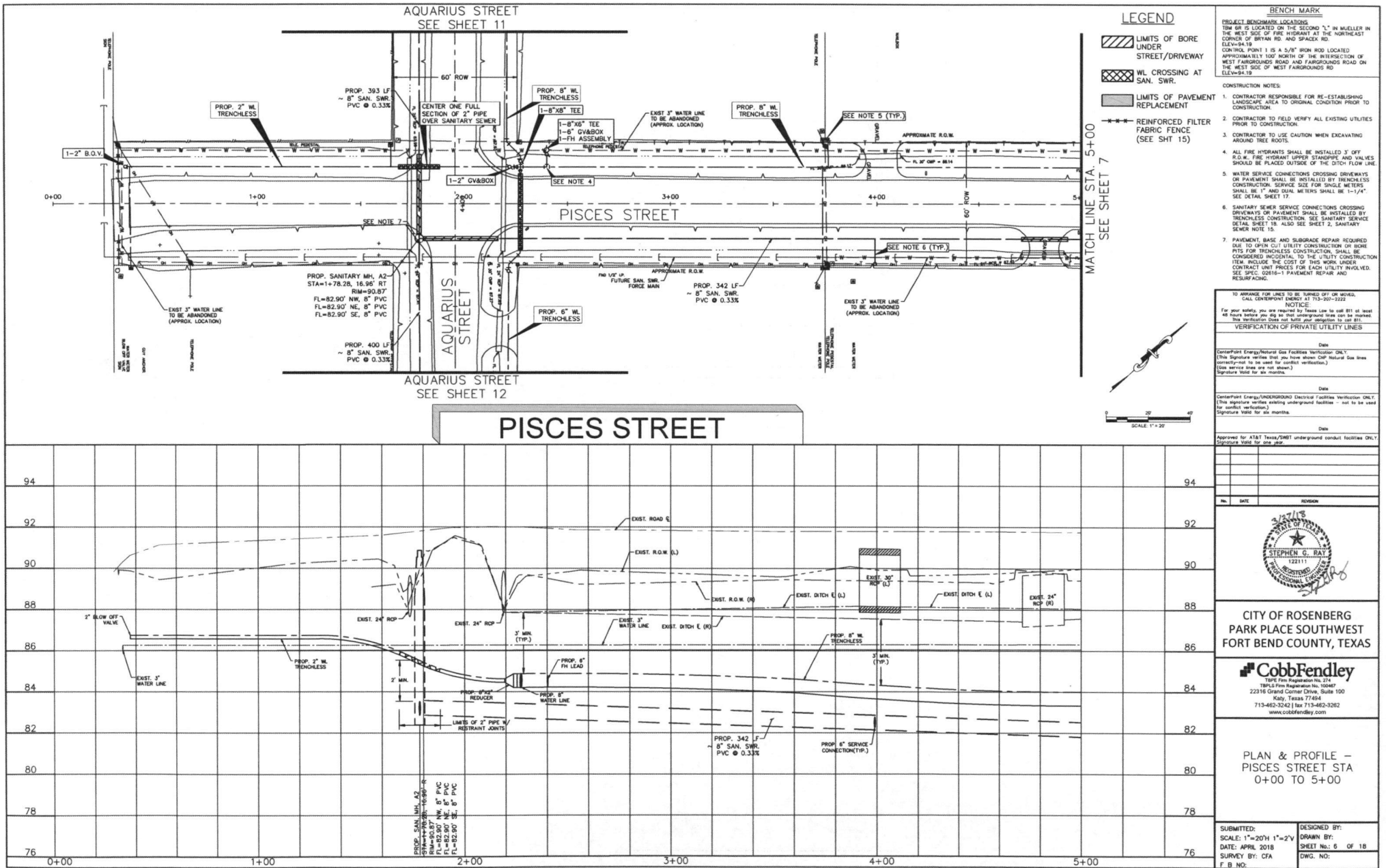
CITY OF ROSENBERG  
 PARK PLACE SOUTHWEST  
 FORT BEND COUNTY, TEXAS

**CobbFendley**  
 TYPE Firm Registration No. 274  
 TSP-13 Firm Registration No. 10047  
 22316 Grand Central Drive, Suite 100  
 Katy, Texas 77494  
 713-462-3242 | Fax 713-462-3262  
 www.cobbendley.com

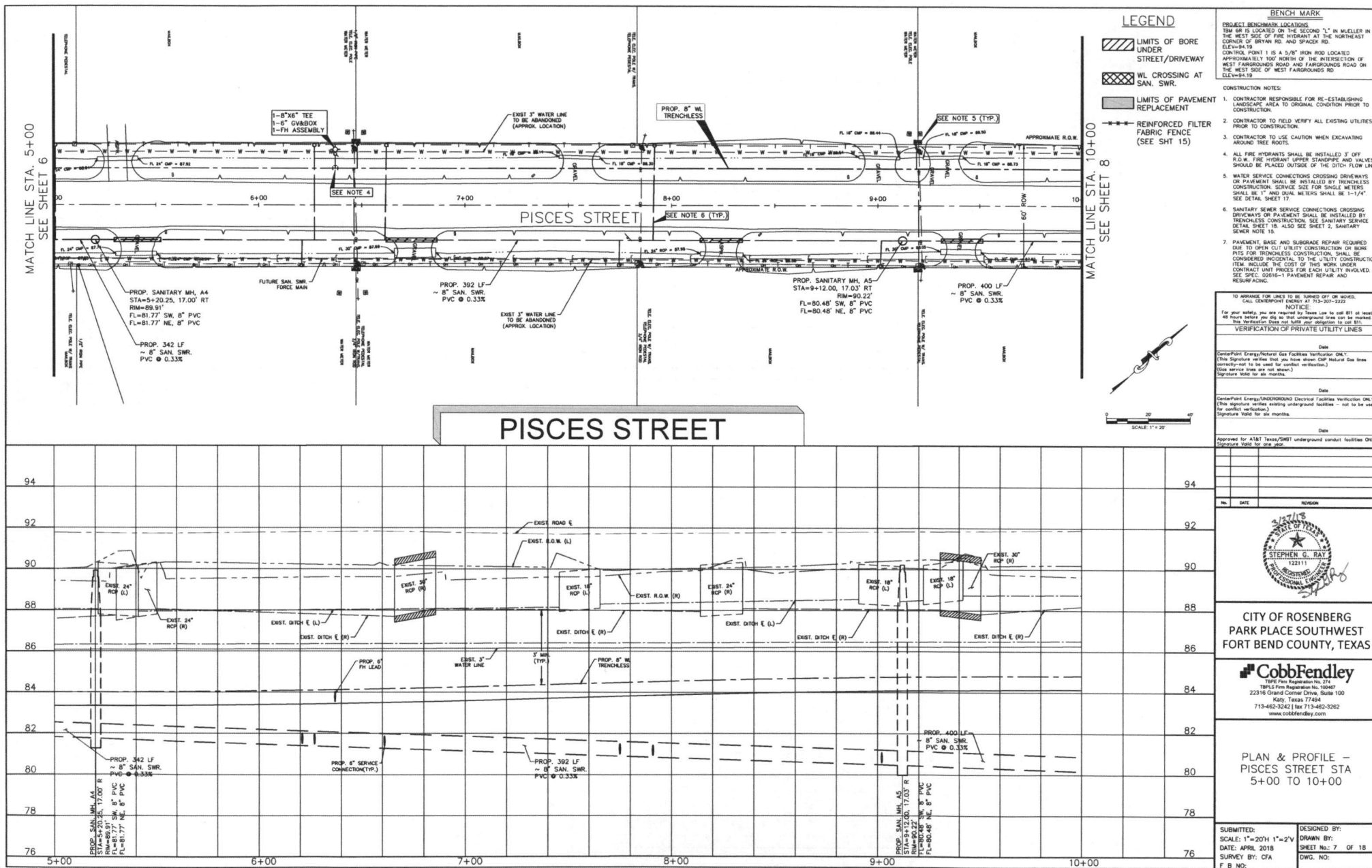
SURVEY CONTROL -  
 W. FAIRGROUNDS ROAD

SUBMITTED:	DESIGNED BY:
SCALE: 1"=40'	DRAWN BY:
DATE: APRIL 2018	SHEET NO.: 5 OF 18
SURVEY BY: CFA	DWG. NO.:
F.B. NO.:	

1712-1033-11 - PARK PLACE SOUTHWEST







BENCH MARK

PROJECT BENCHMARK LOCATIONS

TBM 6R IS LOCATED ON THE SECOND "L" IN MUELLER  
THE WEST SIDE OF FIRE HYDRANT AT THE NORTHEAST  
CORNER OF BRYAN RD. AND SPACER RD.  
ELEV=94.19

CONTROL POINT 1 IS A 5/8" IRON ROD LOCATED  
APPROXIMATELY 100' NORTH OF THE INTERSECTION OF  
WEST FAIRGROUNDS ROAD AND FAIRGROUNDS ROAD ON  
THE WEST SIDE OF WEST FAIRGROUNDS RD  
ELEV=94.19

CONSTRUCTION NOTE

1. CONTRACTOR RESPONSIBLE FOR RE-ESTABLISHING LANDSCAPE AREA TO ORIGINAL CONDITION PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO USE CAUTION WHEN EXCAVATING AROUND EXISTING ROOTS.
4. ALL FIRE HYDRANTS SHALL BE INSTALLED 3' OFF R/W. FIRE HYDRANT UPPER STANDPIPE AND VALVE SHALL BE KEPT IN THE OPEN POSITION.
5. WATER SERVICE CONNECTIONS TO EXISTING SERVICE ON PAVEMENT SHALL BE INSTALLED BY SINGLE MANSHOOT SERVICE SIZE FOR TRENGTHLESS SHALL BE 1/4" AND DUAL MANSHOOTS SHALL BE 1/2" SEE DETAIL SHEET 17.
6. SANITARY SERVICE SERVICE CONNECTIONS CROSSING OVER PAVEMENT SHALL BE INSTALLED BY TRENGTHLESS CONSTRUCTION SEE SANITARY SERVICE DETAIL SHEET 18. ALSO SEE SHEET 2, SANITARY SERVICE NOTE 15.
7. PAVEMENT BASE AND SUBGRADE REPAIR REQUIRED DUE TO EXISTING PAVEMENT DAMAGE. REPAIRS TO BE DONE FOR TRENGTHLESS CONSTRUCTION, SHALL BE PERFORMED ACCORDING TO THE TAC UTILITIES CONSTRUCTION INCLUDE THE COST OF THIS WORK UNDER THE EXISTING PAVEMENT REPAIR CATEGORY. SEE SPEC. 00816 - PAVEMENT REPAIR AND RECONSTRUCTION.

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

For your safety, you are required by Texas Law to call 811 at least 48 hours before you dig so that underground lines can be marked. This Verification Does not fulfill your obligation to call 811.

**VERIFICATION OF PRIVATE UTILITY LINES**

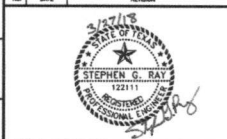
Date \_\_\_\_\_

CenterPoint Energy/Natural Gas Facilities Verification ONLY.  
(This Signature verifies that you have shown CNP Natural Gas lines correctly—not to be used for contact verification.)  
(Gas service lines are not shown.)  
Signature Valid for six months.

	Date
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification Of (This signature verifies existing underground facilities - not to be used for conflict verification.) Signature Valid for six months.	

Approved for AT&T Texas/SWBT underground conduit facilities C

No.	DATE	REVISIONS
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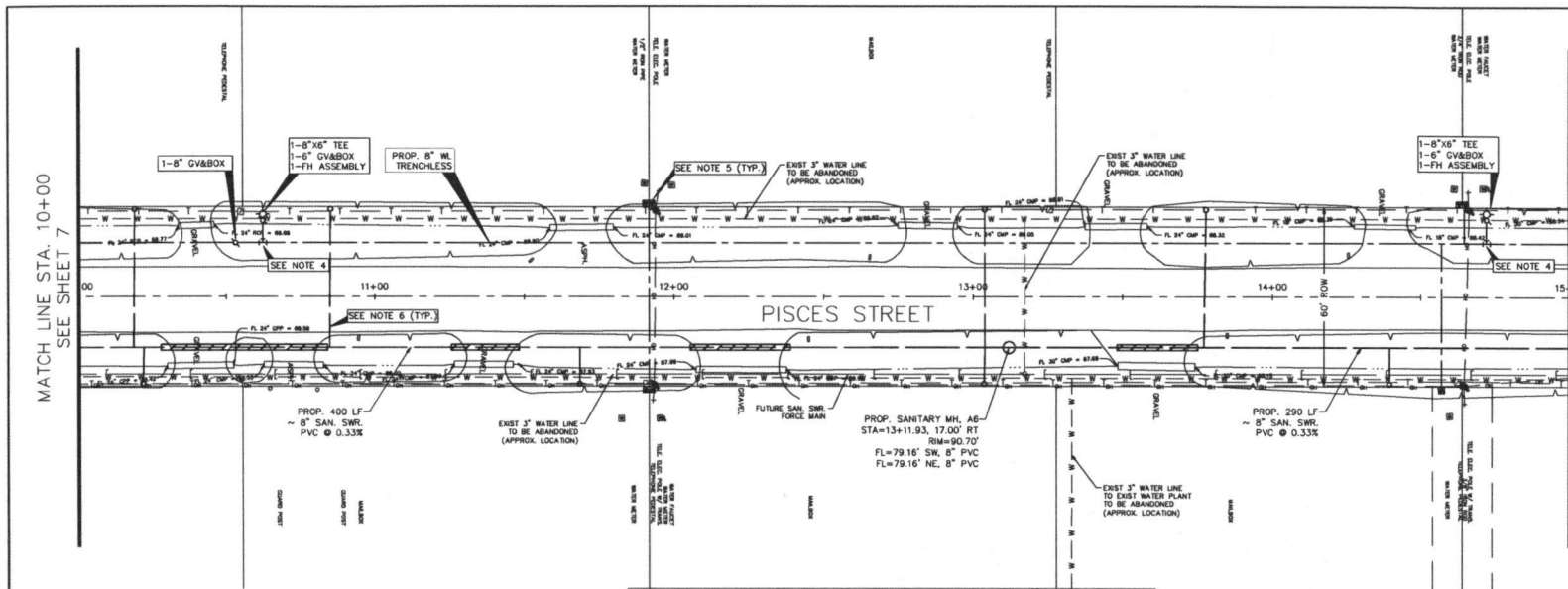


CITY OF ROSENBERG  
PARK PLACE SOUTHWEST  
FORT BEND COUNTY, TEXAS

**CobbFendley**  
TBPE Firm Registration No. 274  
TBPLS Firm Registration No. 100487  
22316 Grand Corner Drive, Suite 100  
Katy, Texas 77494  
713-462-3242 | fax 713-462-3262  
[www.cobbfendley.com](http://www.cobbfendley.com)

PLAN & PROFILE -  
PISCES STREET STA  
5+00 TO 10+00

SUBMITTED:	DESIGNED BY:
SCALE: 1"=20'H 1"=2'V	DRAWN BY:
DATE: APRIL 2018	SHEET No.: 7 OF 18
SURVEY BY: CFA	DWG. NO:
F B NO:	

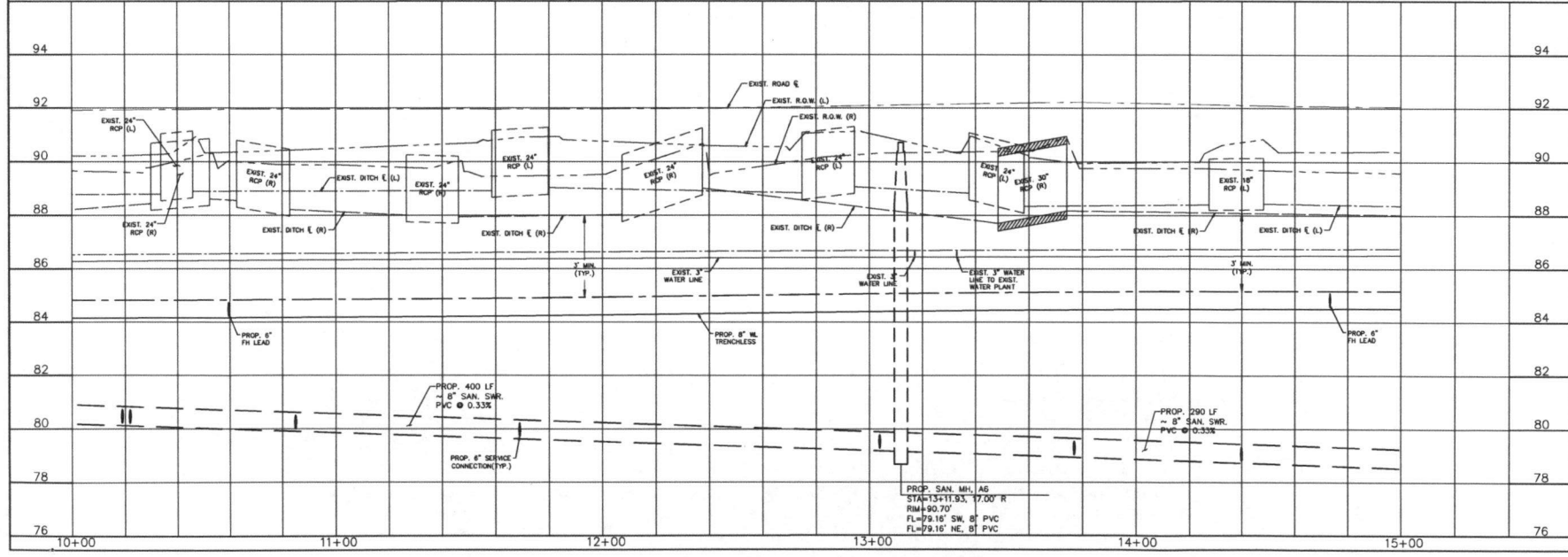


- LEGEND**
- LIMITS OF BORE UNDER STREET/DRIVEWAY
  - WL CROSSING AT SAN. SWR.
  - LIMITS OF PAVEMENT REPLACEMENT
  - REINFORCED FILTER FABRIC FENCE (SEE SHT 15)

- BENCH MARK**
- PROJECT BENCHMARK LOCATIONS**
- BM 68 IS LOCATED ON THE SECOND "X" IN MUELLER IN THE WEST SIDE OF FIRE HYDRANT AT THE NORTHEAST CORNER OF BRYAN RD. AND SPACER RD. ELEV=94.19
- CONTROL POINT 1 IS A 5/8" IRON ROD LOCATED APPROXIMATELY 100' NORTH OF THE INTERSECTION OF WEST FAIRGROUNDS ROAD AND FAIRGROUNDS ROAD ON THE WEST SIDE OF WEST FAIRGROUNDS RD. ELEV=94.19
- CONSTRUCTION NOTES:**
- CONTRACTOR RESPONSIBLE FOR RE-ESTABLISHING LANDSCAPE AREA TO ORIGINAL CONDITION PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO USE CAUTION WHEN EXCAVATING AROUND TREE ROOTS.
  - ALL FIRE HYDRANTS SHALL BE INSTALLED 3' OFF R.O.W. FIRE HYDRANT UPPER STANDPIPE AND VALVES SHOULD BE PLACED OUTSIDE OF THE DITCH FLOW LINE.
  - WATER SERVICE CONNECTIONS CROSSING DRIVEWAYS OR PAVEMENT SHALL BE INSTALLED BY TRENCHLESS CONSTRUCTION. SERVICE SIZE FOR SINGLE METERS SHALL BE 1" AND DUAL METERS SHALL BE 1-1/4". SEE DETAIL SHEET 17.
  - SANITARY SEWER SERVICE CONNECTIONS CROSSING DRIVEWAYS OR PAVEMENT SHALL BE INSTALLED BY TRENCHLESS CONSTRUCTION. SEE SANITARY SERVICE DETAIL SHEET 18. ALSO SEE SHEET 2, SANITARY SEWER NOTE 15.
  - PAVEMENT, BASE AND SUBGRADE REPAIR REQUIRED DUE TO OPEN CUT UTILITY CONSTRUCTION OR BORE PITS FOR TRENCHLESS CONSTRUCTION. SHALL BE CONSIDERED INCIDENTAL TO THE UTILITY CONSTRUCTION ITEM. INCLUDE THE COST OF THIS WORK UNDER CONTRACT UNIT PRICES FOR EACH UTILITY INVOLVED. SEE SPEC. 606E-1 PAVEMENT REPAIR AND RESURFACING.



# PISCES STREET



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

**NOTICE**

For your safety, you are required by Texas Law to call 811 at least 48 hours before you dig so that underground lines can be marked. This verification does not waive your obligation to call 811.

**VERIFICATION OF PRIVATE UTILITY LINES**

Date \_\_\_\_\_

CenterPoint Energy/Natural Gas Facilities Verification ONLY.  
(This signature certifies that you have called CenterPoint Energy to verify - not to be used for conflict verification.)  
(This service does not include private lines.)  
Signature Valid for six months.

Date \_\_\_\_\_

CenterPoint Energy/Underground Electrical Facilities Verification ONLY.  
(This signature certifies existing underground facilities - not to be used for conflict verification.)  
Signature Valid for six months.

Date \_\_\_\_\_

Approved for AT&T Texas/SWBT underground conduit facilities ONLY.  
Signature Valid for six months.

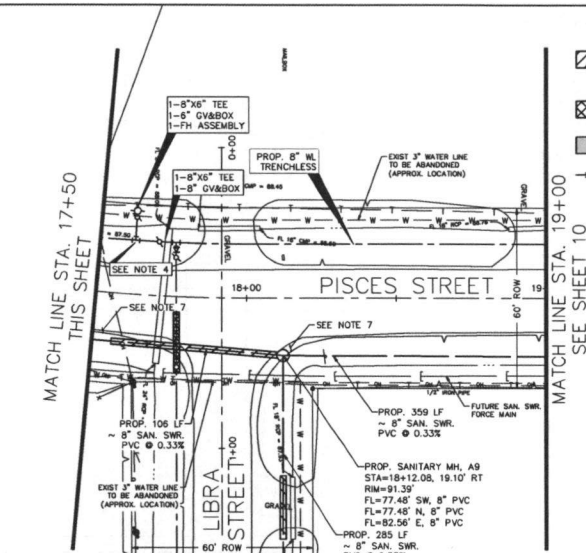
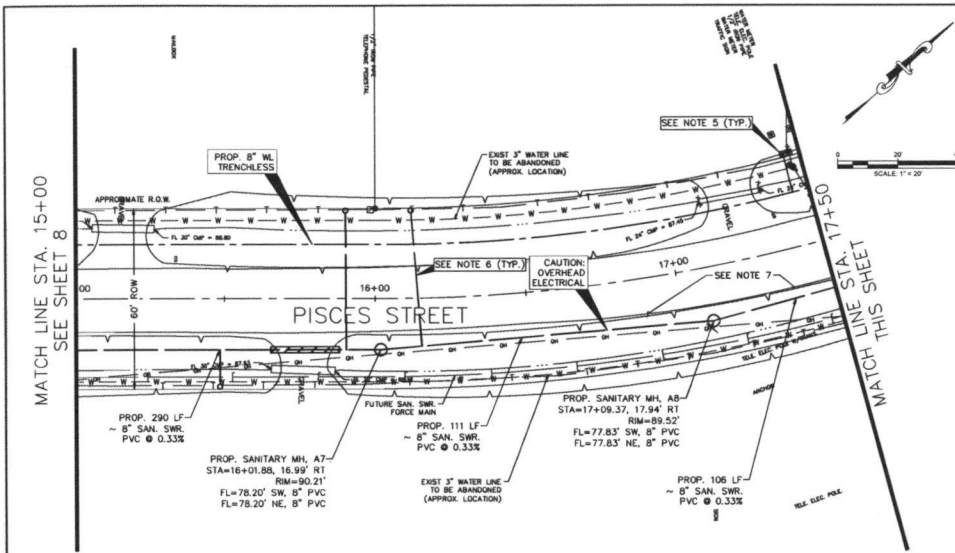
No.	DATE	REVISION

**CITY OF ROSENBERG**  
PARK PLACE SOUTHWEST  
FORT BEND COUNTY, TEXAS

**CobbFendley**  
Texas Professional Engineer No. 224  
18916 Pine Registration No. 100407  
22316 Grand Central Drive, Suite 100  
Katy, Texas 77494  
713-462-3242 fax 713-462-3262  
www.cobbfendley.com

**PLAN & PROFILE -**  
**PISCES STREET STA**  
**10+00 TO 15+00**

SUBMITTED:	DESIGNED BY:
SCALE: 1"=20' H 1"=2' V	DRAWN BY:
DATE: APRIL 2018	SHEET No.: 8 OF 18
SURVEY BY: CFA	DWG. NO.:
F.B. NO.:	



- LEGEND**
- LIMITS OF BORE UNDER STREET/DRIVEWAY
  - WL CROSSING AT SAN. SWR.
  - LIMITS OF PAVEMENT REPLACEMENT
  - REINFORCED FILTER FABRIC FENCE (SEE SHT 15)

**BENCH MARK**

**PROJECT BENCHMARK LOCATIONS**  
 THE BM IS LOCATED ON THE SECOND "L" IN MUELLER IN THE WEST SIDE OF FIRE HYDRANT AT THE NORTHEAST CORNER OF BRYAN RD AND SPARKS RD.  
 CONTROL POINT 1 IS A 5/8" IRON ROD LOCATED APPROXIMATELY 100' NORTH OF THE INTERSECTION OF WEST FAIRGROUNDS ROAD AND FAIRGROUNDS ROAD ON THE WEST SIDE OF WEST FAIRGROUNDS RD.  
 ELEV=54.19

- CONSTRUCTION NOTES:**
- CONTRACTOR RESPONSIBLE FOR RE-ESTABLISHING LANDSCAPE AREA TO ORIGINAL CONDITION PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO USE CAUTION WHEN EXCAVATING AROUND TREE ROOTS.
  - ALL FIRE HYDRANTS SHALL BE INSTALLED 3' OFF P.O.M. FIRE HYDRANT UPPER STANDPIPE AND VALVES SHOULD BE PLACED OUTSIDE OF THE DITCH FLOW LINE.
  - WATER SERVICE CONNECTIONS CROSSING DRIVEWAYS OR PAVEMENT SHALL BE INSTALLED BY TRENCHLESS CONSTRUCTION. SERVICE SIZE FOR SINGLE METERS SHALL BE 1" AND DUAL METERS SHALL BE 1-1/4". SEE DETAIL SHEET 17.
  - SANITARY SEWER SERVICE CONNECTIONS CROSSING DRIVEWAYS OR PAVEMENT SHALL BE INSTALLED BY TRENCHLESS CONSTRUCTION. SEE SANITARY SERVICE DETAIL SHEET 18. ALSO SEE SHEET 12, SANITARY SEWER NOTE 15.
  - PAVEMENT BASE AND SUBGRADE REPAIR REQUIRED DUE TO OPEN CUT UTILITY CONSTRUCTION OF BORE PYS FOR TRENCHLESS CONSTRUCTION. SHALL BE CONSIDERED INCIDENTAL TO THE UTILITY CONSTRUCTION ITEM. INCLUDE THE COST OF THIS WORK UNDER CONTRACT UNIT PRICES FOR EACH UTILITY INVOLVED. SEE SPEC. 02616-1 PAVEMENT REPAIR AND RESURFACING.

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

**NOTICE**  
 For your notes, you are required to have Low to call B11 at least 48 hours prior to the work. This notice is required to be posted. This verification does not constitute your obligation to call B11.

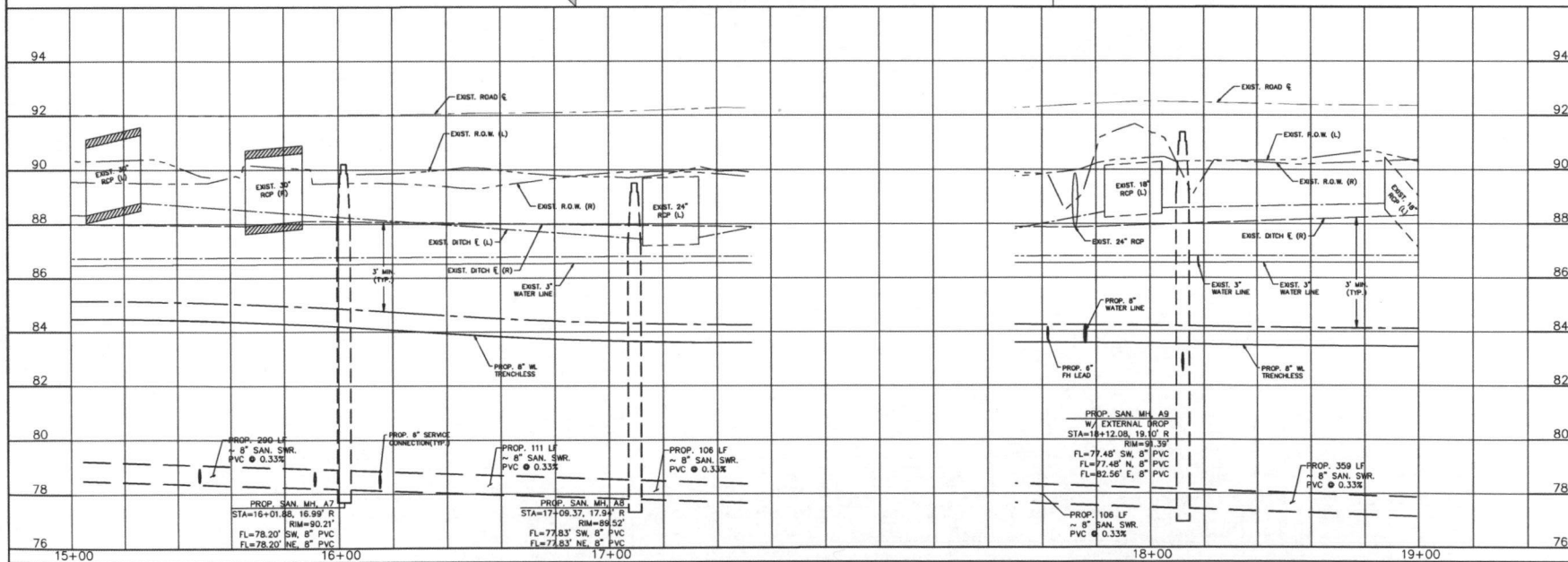
**VERIFICATION OF PRIVATE UTILITY LINES**

Date \_\_\_\_\_  
 CenterPoint Energy/Natural Gas Facilities Verification ONLY.  
 (This signature verifies that you have shown GPR Natural Gas lines correctly-not to be used for conflict verification.)  
 (Time service lines are not shown.)  
 Signature Valid for six months.

Date \_\_\_\_\_  
 CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY.  
 (This signature verifies that you have shown GPR Natural Gas lines correctly-not to be used for conflict verification.)  
 Signature Valid for six months.

Date \_\_\_\_\_  
 Approved for AT&T Texas/SWBT underground conduit facilities ONLY.  
 Signature Valid for six months.

## PISCES STREET



**CITY OF ROSENBERG**  
 PARK PLACE SOUTHWEST  
 FORT BEND COUNTY, TEXAS

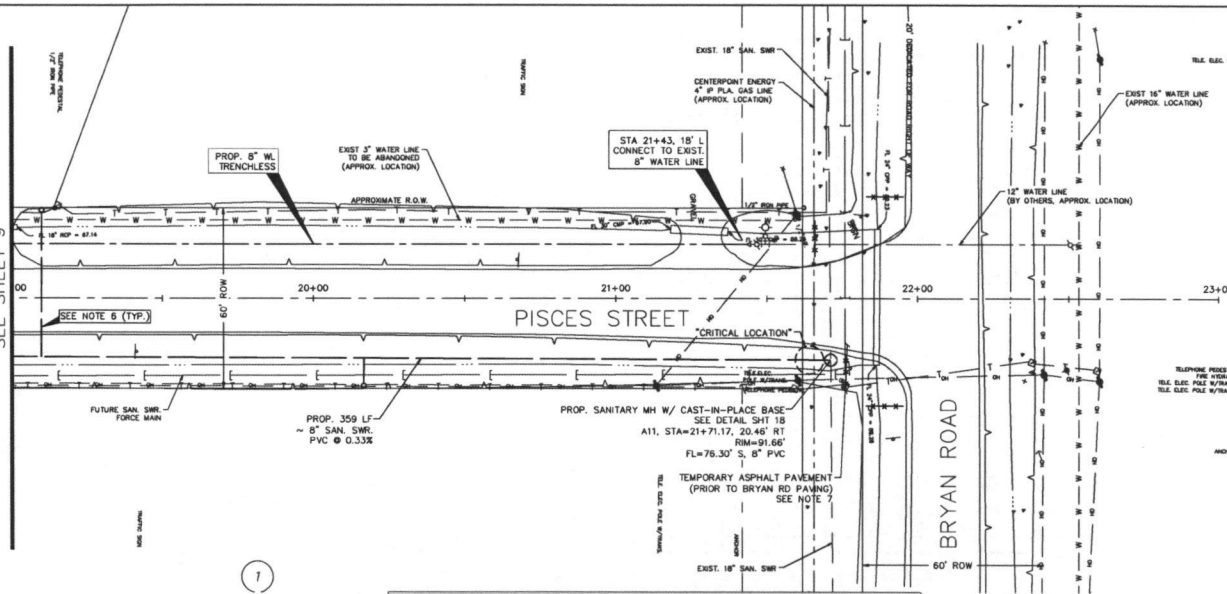
**CobbFendley**  
 1895 Farm Registration No. 274  
 1895 Farm Registration No. 100467  
 22316 Grand Corner Drive, Suite 100  
 Katy, Texas 77454  
 713-462-3262 | Fax 713-462-3262  
 www.cobbfindley.com

**PLAN & PROFILE -**  
**PISCES STREET STA**  
**15+00 TO 19+00**

SUBMITTED: SCALE: 1"=20'H 1"=2'V  
 DATE: APRIL 2018  
 SURVEY BY: CFA  
 F.B. NO.:

DESIGNED BY: SHEET No. 9 OF 18  
 DWG. NO.:

MATCH LINE STA. 19+00  
SEE SHEET 9



- LEGEND**
- LIMITS OF BORE UNDER STREET/DRIVEWAY
  - WL CROSSING AT SAN. SWR
  - LIMITS OF PAVEMENT REPLACEMENT
  - REINFORCED FILTER FABRIC FENCE (SEE SHT 15)

**BENCH MARK**

PROJECT BENCHMARK LOCATIONS  
TBM 68 IS LOCATED ON THE SECOND "L" IN MUELLER IN THE WEST SIDE OF FIRE HYDRANT AT THE NORTHEAST CORNER OF BRYAN RD. AND SPACER RD  
ELEV=94.19  
CONTROL POINT 1 IS A 5/8" IRON ROD LOCATED APPROXIMATELY 100' NORTH OF THE INTERSECTION OF WEST FAIRGROUNDS ROAD AND FAIRGROUNDS ROAD ON THE WEST SIDE OF WEST FAIRGROUNDS RD  
ELEV=94.19

- CONSTRUCTION NOTES**
- CONTRACTOR RESPONSIBLE FOR RE-ESTABLISHING LANDSCAPE AREA TO ORIGINAL CONDITION PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO USE CAUTION WHEN EXCAVATING AROUND TREE ROOTS.
  - ALL FIRE HYDRANTS SHALL BE INSTALLED 3' OFF R.O.W. FIRE HYDRANT UPPER STANDPIPE AND VALVES SHOULD BE PLACED OUTSIDE OF THE DITCH FLOW LINE.
  - WATER SERVICE CONNECTIONS CROSSING DRIVEWAYS OR PAVEMENT SHALL BE INSTALLED BY TRENCHLESS CONSTRUCTION. SERVICE SIZE FOR SINGLE METERS SHALL BE 1" AND DUAL METERS SHALL BE 1-1/4". SEE DETAIL SHEET 17.
  - SANITARY SEWER SERVICE CONNECTIONS CROSSING DRIVEWAYS OR PAVEMENT SHALL BE INSTALLED BY TRENCHLESS CONSTRUCTION. SEE SANITARY SERVICE DETAIL SHEET 18. ALSO SEE SHEET 2, SANITARY SEWER NOTE 15.
  - PAVEMENT, BASE AND SUBGRADE REPAIR REQUIRED DUE TO OPEN CUT UTILITY CONSTRUCTION OR HOME PITS FOR TRENCHLESS CONSTRUCTION. SHALL BE CONSIDERED INCIDENTAL TO THE UTILITY CONSTRUCTION ITEM. INCLUDE THE COST OF THIS WORK UNDER CONTRACT UNIT PRICES FOR EACH UTILITY INVOLVED. SEE SPEC. 02616-1 PAVEMENT REPAIR AND RESURFACING.

TO AVOIDANCE OF LINES TO BE TURNED OFF OR MOVED, LOCAL CONSENT ENERGY AT 713-501-2222

**NOTICE**

For your safety, you are required by Texas Law to call 811 at least 48 hours before you dig so that underground lines can be marked. This verification does not fulfill your obligation to call 811.

**VERIFICATION OF PRIVATE UTILITY LINES**

Date \_\_\_\_\_

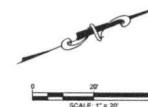
CenterPoint Energy/Natural Gas Facilities Verification ONLY  
(This signature verifies that you have done CPE/Natural Gas lines correctly-not to be used for conflict verification.)  
(Use service lines not shown.)  
Signature valid for six months.

Date \_\_\_\_\_

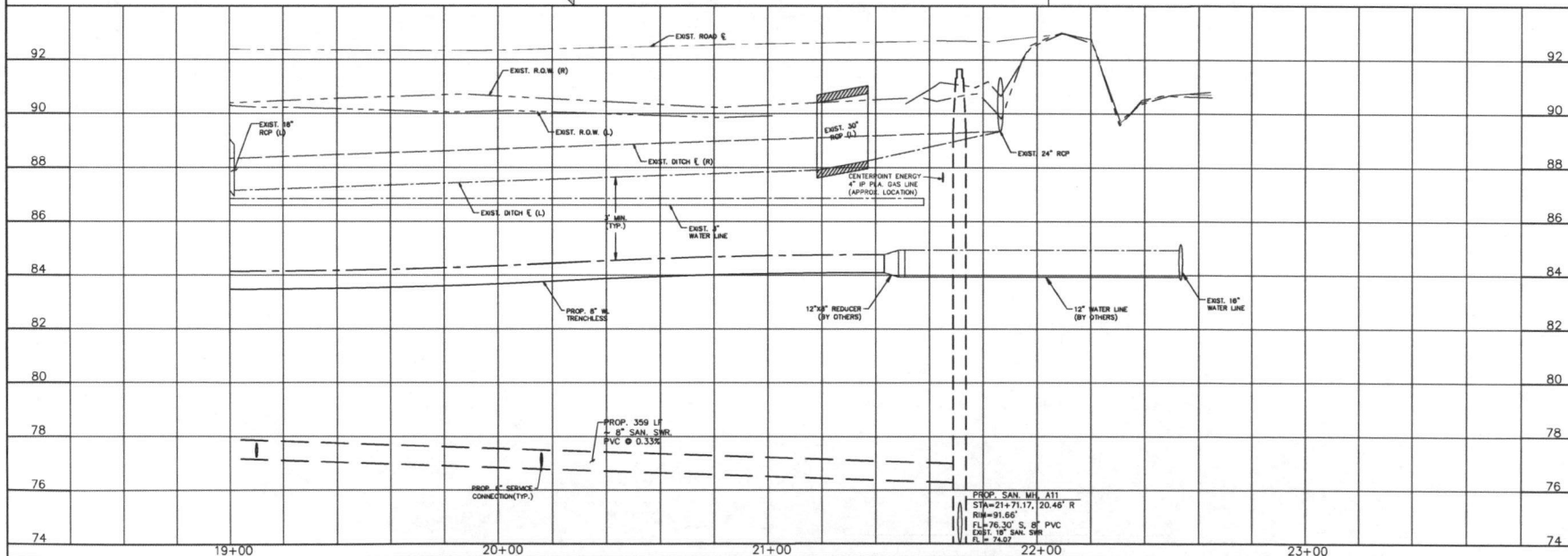
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY  
(This signature verifies existing underground facilities - not to be used for conflict verification.)  
Signature valid for six months.

Date \_\_\_\_\_

Approved for AT&T Texas/DNET underground conduit facilities ONLY  
Signature valid for six months.



## PISCES STREET



DATE	REVISION

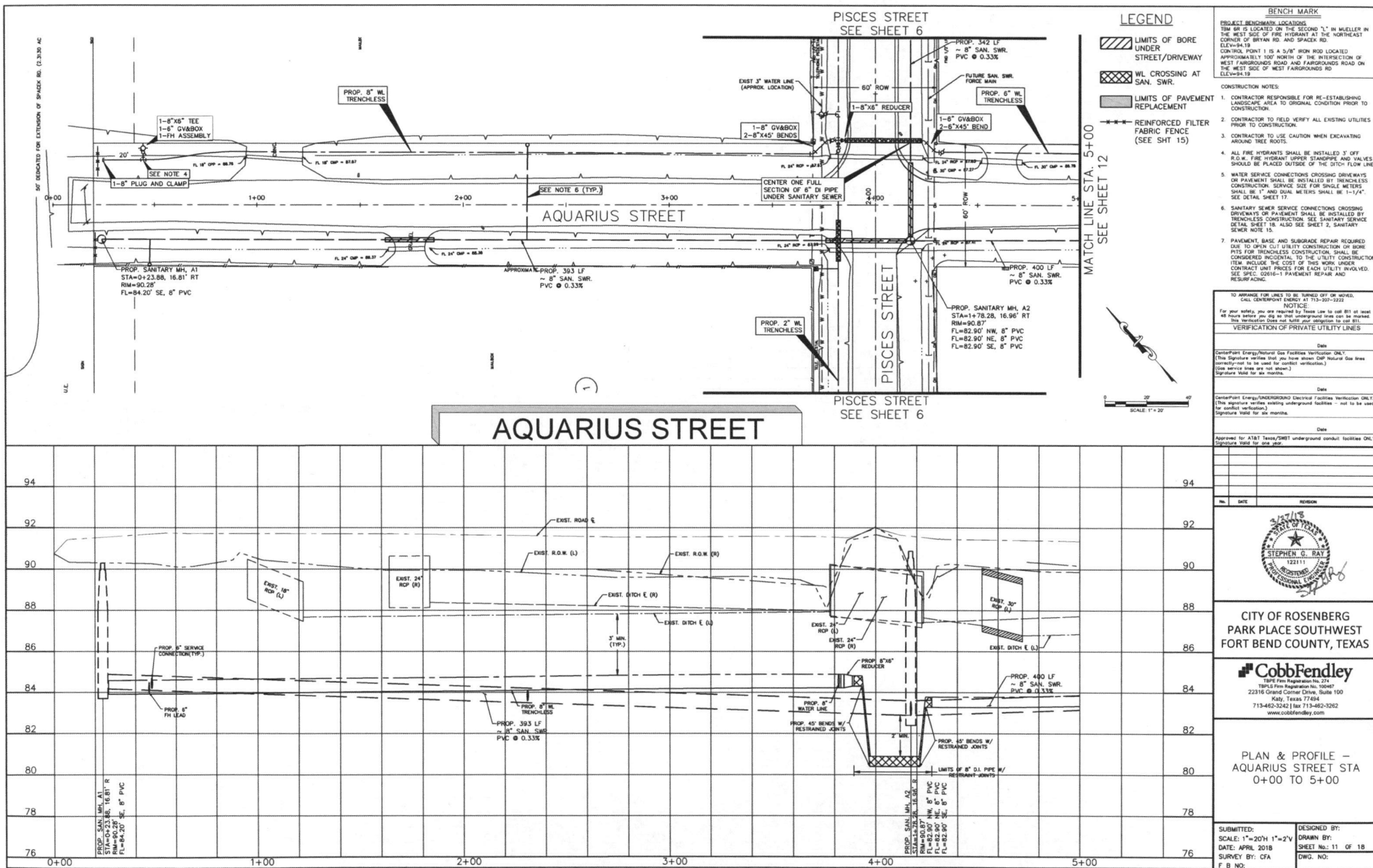
**CITY OF ROSENBERG**  
PARK PLACE SOUTHWEST  
FORT BEND COUNTY, TEXAS

**CobbFendley**  
TSPS Firm Registration No. 274  
TSPS Firm Registration No. 100467  
22316 Grand Center Drive, Suite 100  
Katy, Texas 77494  
713-462-3242 fax 713-462-3262  
www.cobbFendley.com

**PLAN & PROFILE - PISCES STREET STA 19+00 TO 23+00**

SUBMITTED:	DESIGNED BY:
SCALE: 1"=20' H 1"=2' V	DRAWN BY:
DATE: APRIL 2018	SHEET No. 10 OF 18
SURVEY BY: CFA	DWG. NO.:
F.B. NO.:	







PISCES STREET  
SEE SHEET 9

# LEGEND

- LIMITS OF BORE UNDER STREET/DRIVEWAY
- WL CROSSING AT SAN. SWR.
- LIMITS OF PAVEMENT REPLACEMENT
- REINFORCED FILTER FABRIC FENCE (SEE SHT 15)

## BENCH MARK

PROJECT BENCHMARK LOCATIONS  
TBM 81 IS LOCATED ON THE SECOND 1" IN MULLER IN THE WEST SIDE OF FIRE HYDRANT AT THE NORTHEAST CORNER OF SPAN RD. AND SPAN RD. ELEV=94.19  
CONTROL POINT 1 IS A 5/8" IRON ROD LOCATED APPROXIMATELY 100' NORTH OF THE INTERSECTION OF WEST FAIRGROUNDS ROAD AND FAIRGROUNDS ROAD ON THE WEST SIDE OF WEST FAIRGROUNDS RD. ELEV=94.19

## CONSTRUCTION NOTES

- CONTRACTOR RESPONSIBLE FOR RE-ESTABLISHING LANDSCAPE AREA TO ORIGINAL CONDITION PRIOR TO CONSTRUCTION.
- CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR TO USE CAUTION WHEN EXCAVATING AROUND TREE ROOTS.
- ALL FIRE HYDRANTS SHALL BE INSTALLED 3' OFF R.O.W. FIRE HYDRANT UPPER STANDPIPE AND VALVES SHOULD BE PLACED OUTSIDE OF THE DITCH FLOW LINE.
- WATER SERVICE CONNECTIONS CROSSING DRIVEWAYS OR PAVEMENT SHALL BE INSTALLED BY TRENCHLESS CONSTRUCTION. SERVICE SIZE FOR SINGLE METERS SHALL BE 1" AND SHALL METERS SHALL BE 1-1/4". SEE DETAIL SHEET 17.
- SANITARY SEWER SERVICE CONNECTIONS CROSSING DRIVEWAYS OR PAVEMENT SHALL BE INSTALLED BY TRENCHLESS CONSTRUCTION. SEE SANITARY SERVICE DETAIL SHEET 18. ALSO SEE SHEET 2, SANITARY SEWER NOTE 15.
- PAVEMENT, BASE AND SUBGRADE REPAIR REQUIRED DUE TO OPEN CUT UTILITY CONSTRUCTION OR BORE PITS FOR TRENCHLESS CONSTRUCTION. SHALL BE CONSIDERED INCIDENTAL TO THE UTILITY CONSTRUCTION ITEM. INCLUDE THE COST OF THIS WORK UNDER CONTRACT UNIT PRICES FOR EACH UTILITY INVOLVED. SEE SPEC. 0216-1 PAVEMENT REPAIR AND RESURFACING.

TO AVOID FOR UNITS TO BE TURNED OFF OR MOVED, CALL CONSTRUCTION UNIT AT 713-359-2222.

NOTICE  
For your safety, you are required by Texas Law to call 811 at least 48 hours before you dig so that underground lines can be marked. This verification does not hold your obligation to call 811. (This signature verifies that you have shown C&P Natural Gas lines generally not to be used for utility verification.) (Use service lines are not shown.) Signature valid for six months.

Date  
CenterPoint Energy/Natural Gas Facilities Verification ONLY  
(This signature verifies that you have shown C&P Natural Gas lines generally not to be used for utility verification.) (Use service lines are not shown.) Signature valid for six months.

Date  
CenterPoint Energy/Underground Electrical Facilities Verification ONLY  
(This signature verifies existing underground facilities - not to be used for utility verification.) Signature valid for six months.

Date  
Approved for AT&T Texas/SNET underground conduit facilities ONLY  
Signature valid for one year.

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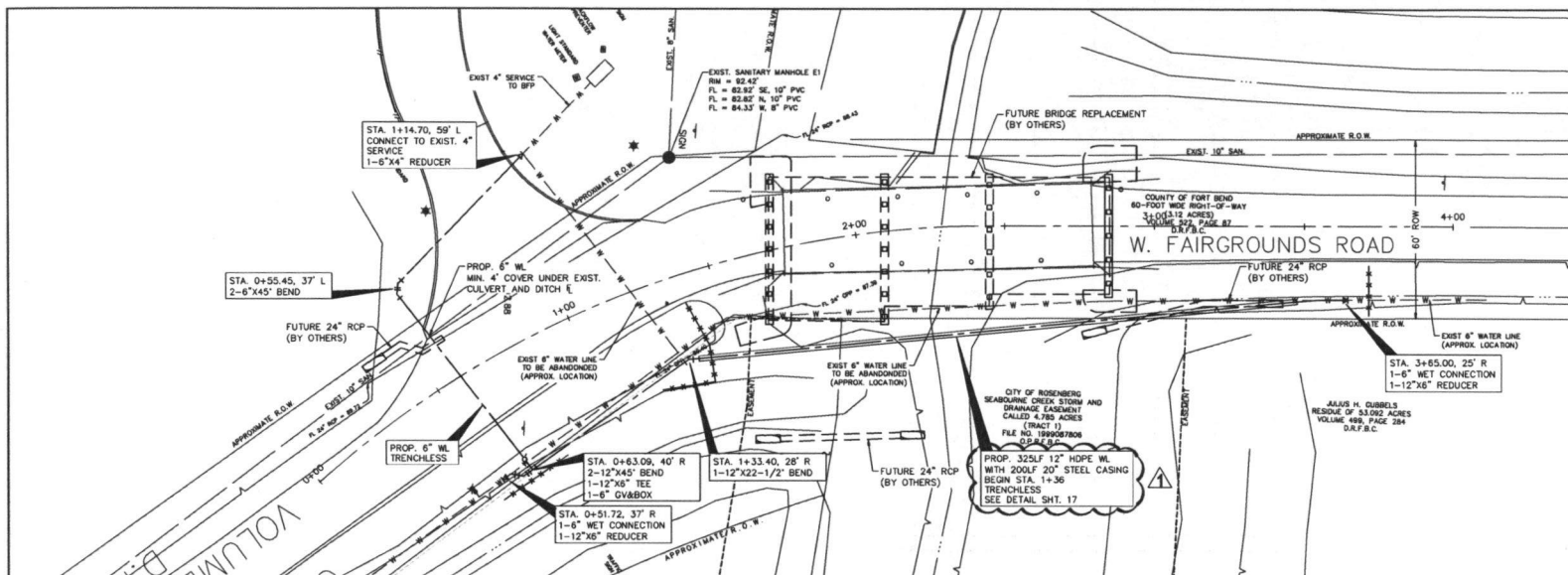
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- LEGEND**
- LIMITS OF BORE UNDER STREET/DRIVEWAY
  - WL CROSSING AT SAN. SWR.
  - LIMITS OF PAVEMENT REPLACEMENT
  - REINFORCED FILTER FABRIC FENCE (SEE SHT 15)

**BENCH MARK**

**PROJECT BENCHMARK LOCATIONS**

BM 68 IS LOCATED ON THE SECOND "L" IN MUELLER IN THE WEST SIDE OF FIRE HYDRANT AT THE NORTHEAST CORNER OF BRYAN RD AND SPANER RD. ELEV=84.19

CONTROL POINT 1 IS A 5/8" IRON ROD LOCATED APPROXIMATELY 100' NORTH OF THE INTERSECTION OF WEST FAIRGROUNDS ROAD AND FAIRGROUNDS ROAD ON THE WEST SIDE OF WEST FAIRGROUNDS RD. ELEV=84.19

- CONSTRUCTION NOTES:**
- CONTRACTOR RESPONSIBLE FOR RE-ESTABLISHING LANDSCAPE AREA TO ORIGINAL CONDITION PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO USE CAUTION WHEN EXCAVATING AROUND TREE ROOTS.
  - ALL FIRE HYDRANTS SHALL BE INSTALLED 3' OFF R.O.W. FIRE HYDRANT UPPER STANDPIPE AND VALVES SHOULD BE PLACED OUTSIDE OF THE DITCH FLOW LINE.
  - WATER SERVICE CONNECTIONS CROSSING DRIVEWAYS OR PAVEMENT SHALL BE INSTALLED BY TRENCHLESS CONSTRUCTION. SERVICE SIZE FOR SINGLE METERS SHALL BE 1" AND DUAL METERS SHALL BE 1-1/4". SEE DETAIL SHEET 17.
  - SANITARY SEWER SERVICE CONNECTIONS CROSSING DRIVEWAYS OR PAVEMENT SHALL BE INSTALLED BY TRENCHLESS CONSTRUCTION. SEE SANITARY SERVICE DETAIL SHEET 18. ALSO SEE SHEET 2, SANITARY SEWER NOTE 15.
  - PAVEMENT, BASE AND SUBGRADE REPAIR REQUIRED DUE TO OPEN CUT UTILITY CONSTRUCTION OF BORE PITS FOR TRENCHLESS CONSTRUCTION. SHALL BE CONSIDERED INCIDENTAL TO THE UTILITY CONSTRUCTION ITEM. INCLUDE THE COST OF THIS WORK UNDER CONTRACT UNIT PRICES FOR EACH UTILITY INVOLVED. SEE SPEC. 02016-1 PAVEMENT REPAIR AND RESURFACING.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CONTRACTOR ENGINEER AT 713-201-2122.

**NOTICE**

For your safety, you are required by Texas Law to call 811 at least 48 hours before you dig so that underground lines can be marked. This verification does not limit your obligation to call 811. (One service does not guarantee all others.) Signature valid for six months.

**VERIFICATION OF PRIVATE UTILITY LINES**

Date \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

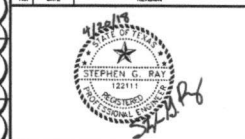
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Approved for AT&T Texas/SNET underground conduit facilities ONLY. Signature valid for six months.

**4/20/18 ADDENDUM NO. 1**

NO.	DATE	REVISION

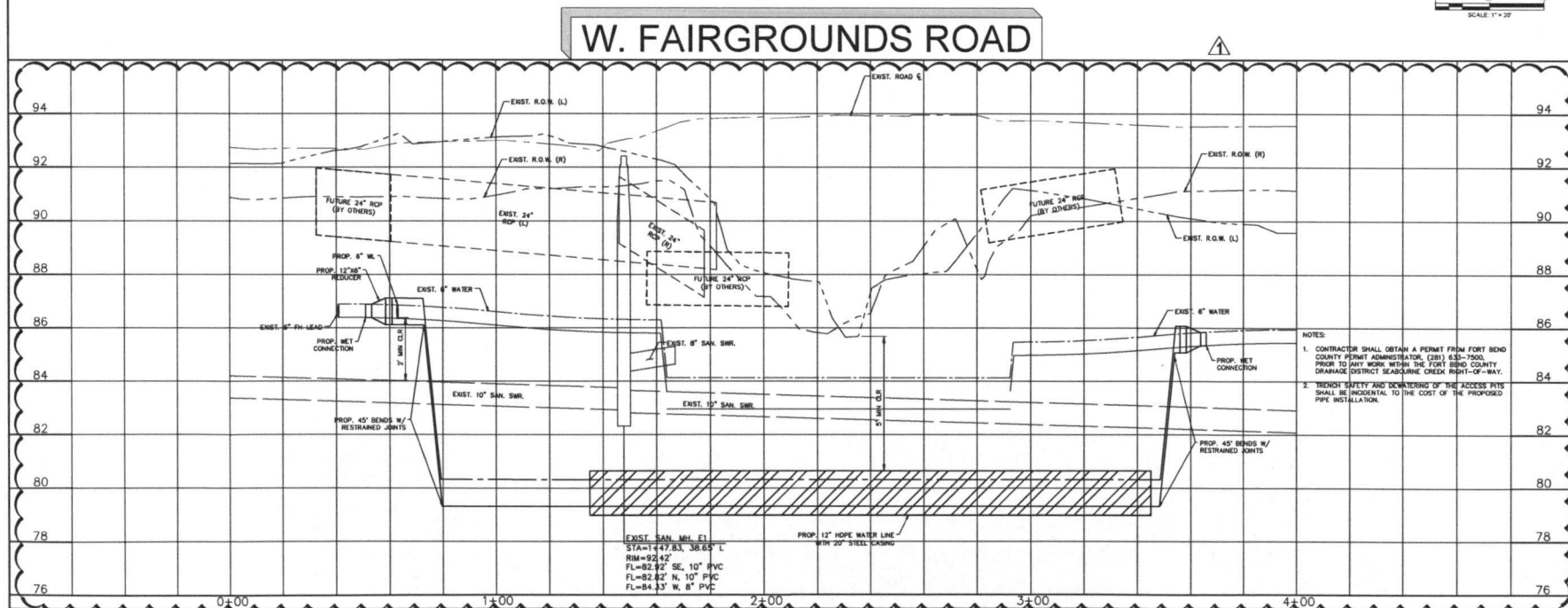


**CITY OF ROSENBERG**  
**PARK PLACE SOUTHWEST**  
**FORT BEND COUNTY, TEXAS**

**CobbFendley**  
 P.E. Registration No. 274  
 180 E. New Braunfels Hwy, Suite 100  
 22316 Grand Corner Drive, Suite 100  
 Katy, Texas 77494  
 713-462-3242 | fax 713-462-3262  
 www.cobbfendley.com

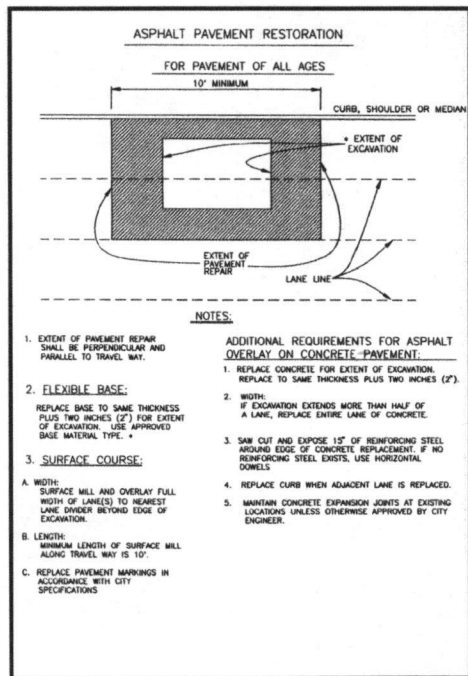
**PLAN & PROFILE - W. FAIRGROUNDS ROAD**  
**STA 0+00 TO 4+00**

SUBMITTED: SCALE: 1"=20' H, 1"=2' V DATE: APRIL 2018 SURVEY BY: CFA F.B. NO.:	DESIGNED BY: DRAWN BY: SHEET NO.: 14 OF 18 DWG. NO.:
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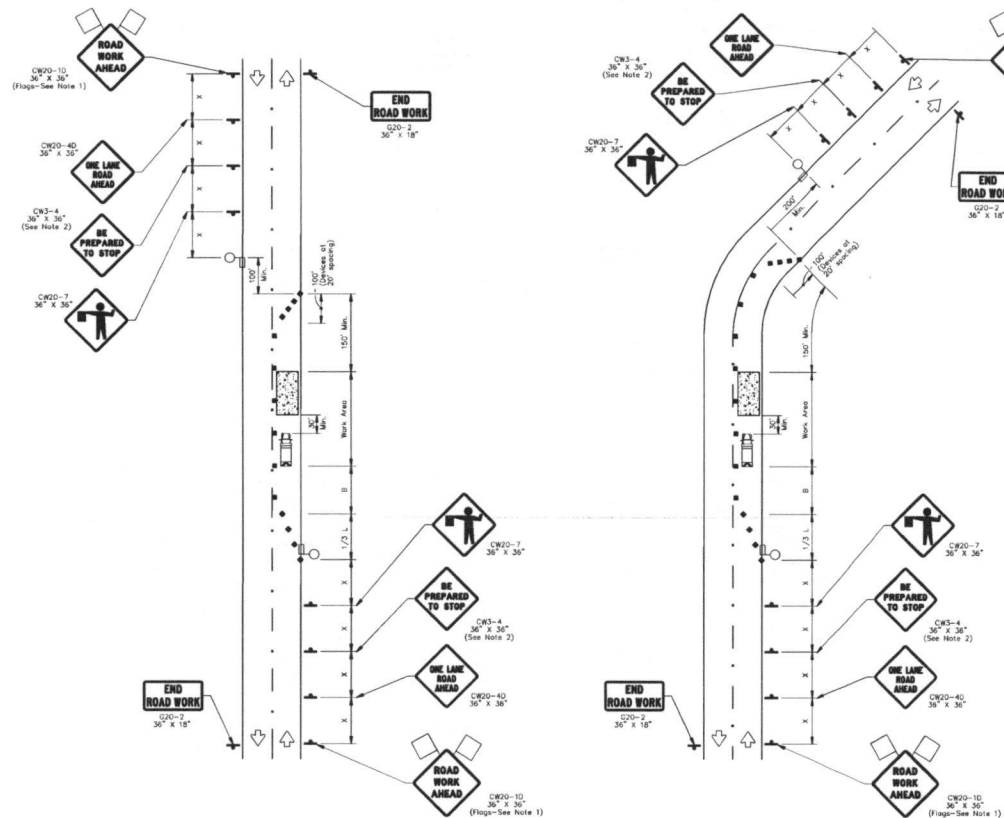








## ASPHALT PAVEMENT REPAIR



## ONE-LANE TWO-WAY SINGLE LANE CLOSURE CONTROL WITH FLAGGERS (ON STRAIGHT SECTION OF ROADWAY)

## ONE-LANE TWO-WAY SINGLE LANE CLOSURE CONTROL WITH FLAGGERS (ON CURVED SECTION OF ROADWAY)

### TRAFFIC CONTROL GENERAL NOTES

1. FLAGS ATTACHED TO SIGNS WHERE SHOWN ARE OPTIONAL.
2. ALL TRAFFIC CONTROL DEVICES ILLUSTRATED ARE REQUIRED, EXCEPT THOSE DENOTED WITH THE TRIANGLE SYMBOL, ARE OPTIONAL.
3. INACTIVE WORK VEHICLES OR OTHER EQUIPMENT SHOULD BE PARKED NEAR THE RIGHT-OF-WAY LINE AND NOT PARKED ON THE PAVED SHOULDER.
4. A SHADOW VEHICLE WITH A TMA SHOULD BE USED ANYTIME IT CAN BE POSITIONED 30 TO 100 FEET IN ADVANCE OF THE AREA OF CREW EXPOSURE WITHOUT ADVERSELY AFFECTING THE PERFORMANCE OR QUALITY OF THE WORK. IF WORKERS ARE NO LONGER PRESENT BUT ROAD OR WORK CONDITIONS REQUIRE THE TRAFFIC CONTROL TO REMAIN IN PLACE, TYPE 3 BARRICADES OR OTHER CHANNELIZING DEVICES MAY BE SUBSTITUTED FOR THE SHADOW VEHICLE AND TMA.
5. ADDITIONAL SHADOW VEHICLES WITH TMAS MAY BE POSITIONED OFF THE PAVED SURFACE, NEXT TO THOSE SHOWN IN ORDER TO PROTECT WIDER WORK SPACES.
6. CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD - LATEST EDITION WITH REVISIONS) DURING CONSTRUCTION.
7. FLAGGERS SHOULD USE TWO-WAY RADIOS OR OTHER METHODS OF COMMUNICATION TO CONTROL TRAFFIC.
8. LENGTH OF WORK SPACE SHOULD BE BASED ON THE ABILITY OF FLAGGERS TO COMMUNICATE.
9. IF THE WORK SPACE IS LOCATED NEAR HORIZONTAL OR VERTICAL CURVE, THE BUFFER DISTANCES SHOULD BE INCREASED IN ORDER TO MAINTAIN ADEQUATE STOPPING SIGHT DISTANCES TO THE FLAGGER AND A QUEUE OF STOPPED VEHICLES (SEE TABLE ABOVE).
10. CHANNELIZING DEVICES ON THE CENTER-LINE MAY BE OMITTED WHEN A PILOT CAR IS LEADING TRAFFIC AND APPROVED BY THE ENGINEER.
11. FLAGGERS SHOULD USE 24\"/>

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed S	Formula	Minimum Desirable Taper Lengths "L"			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X"	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent	Distance	
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45		450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55	$L = WS$	560'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	360'
65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

\* Conventional Roads Only

\* Taper lengths have been rounded off.

L=Length of Taper (FT) W=Width of Offset (FT) S=Posted Speed (MPH)

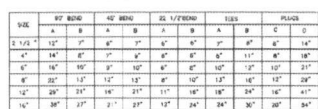


CITY OF ROSENBERG  
PARK PLACE SOUTHWEST  
FORT BEND COUNTY, TEXAS

**CobbFendley**  
13975 Firm Registration No. 274  
13975 Firm Registration No. 10047  
22316 Grand Center Drive, Suite 100  
Katy, Texas 77494  
713-462-3262 fax 713-462-3262  
www.cobbfendley.com

PAVING AND  
TRAFFIC CONTROL  
NOTES AND DETAILS

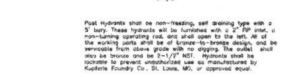
SUBMITTED:	DESIGNED BY:
SCALE: NTS	DRAWN BY:
DATE: APRIL 2018	SHEET No.: 15 OF 18
SURVEY BY: CFA	DWG. NO:
F.B. NO:	



THE CITY OF ROSENBERG, FORT BEND COUNTY, TEXAS DEPARTMENT OF PUBLIC WORKS					
THRUST BLOCKING DETAILS					
THROW	TO	SCALE	DATE	DRAWN BY	
ONE	SECT	1/2"	02/71	R.H.	



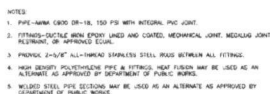
THE CITY OF ROSENBERG, FORT BEND COUNTY, TEXAS DEPARTMENT OF PUBLIC WORKS					
GATE VALVE & BOX					
PERSON	DATE	TIME	DATE	DRAWING	
CMF	STAFF	INTS	11/71	R	



MAINGUARD NO.  
BLOW-OFF HYDRA

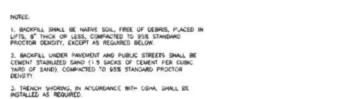


THE CITY OF ROSENBERG, FORT BEND COUNTY, TEXAS  
DEPARTMENT OF PUBLIC WORKS  
WATER LINE ENCASEMENT



THE CITY OF ROSENBERG, FORT BEND COUNTY, TEXAS  
DEPARTMENT OF PUBLIC WORKS

**WATER PIPE  
OFFSET ASSEMBLY**



THE CITY OF ROSENBERG, FORT BEND COUNTY, TEXAS  
DEPARTMENT OF PUBLIC WORKS

**WATER MAIN  
BEDDING & BACKFILL**

DESIGN	DIST	SHEET	DATE	CHANGED



THE CITY OF ROSENBERG, FORT BEND COUNTY, TEXAS  
DEPARTMENT OF PUBLIC WORKS

**FIRE HYDRANT ASSEMBLY**



THE CITY OF ROSENBERG, FORT BEND COUNTY, TEXAS  
DEPARTMENT OF PUBLIC WORKS

TRACER WIRE  
FOR PLASTIC WATER PIPING

DATE	TIME	WELL	DATE	TIME
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CITY OF ROSENBERG  
PARK PLACE SOUTHWEST  
FORT BEND COUNTY, TEXAS

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 TBPE Firm Registration No. 274  
 TBPLS Firm Registration No. 100487  
 22316 Grand Corner Drive, Suite 100  
 Katy, Texas 77494  
 713-462-3242 | fax 713-462-3262  
[www.cobbfendley.com](http://www.cobbfendley.com)

### WATER LINE NOTES AND DETAILS

SUBMITTED:	DESIGNED BY:
SCALE: NTS	DRAWN BY:
DATE: APRIL 2018	SHEET No.: 17 OF 18
SURVEY BY: CFA	DWG. NO:
F B NO:	

DESIGNED BY:
DRAWN BY:
SHEET No.: 17 OF 18
DWG. NO:

