



**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](mailto: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](http://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 \_\_\_\_\_, seconded by Commissioner \_\_\_\_\_, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

**Signature**

Presented to Commissioners Court and approved.

By:   
County Engineer

Date Recorded \_\_\_\_\_ Comm. Court No. \_\_\_\_\_

Clerk of Commissioners Court

By:   
Drainage District Engineer/Manager

By: \_\_\_\_\_  
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@fortbendcountytx.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: XXXXXXXXXX      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.**

Sean Egerton  
Permit Administrator

8/21/2018  
Date

**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



**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



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

By: [Signature]  
David M. Carey, Assistant Secretary

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 Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at 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

By: [Signature]  
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of 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 15<sup>th</sup> day of August, 2018



By: [Signature]  
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.

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**

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NO CONTRACTOR SHALL OBTAIN A PERMIT FROM FORT BEND COUNTY PERMITTING DIVISION UNLESS THE CONTRACTOR HAS FIRST OBTAINED A PERMIT FROM FORT BEND COUNTY PERMITTING DIVISION WITHIN THE FORT BEND COUNTY DRAINAGE DISTRICT OF APPLICABLE CREEK RIGHT-OF-WAY.



*Charles H. Eastlund*  
**CHARLES H. EASTLUND, PE**  
**CIVIL ENGINEER**  
 3-2-1-8

*Rob Gilzow*  
**ROB GILZOW**  
**EXECUTIVE DIRECTOR OF PUBLIC SERVICES**  
 3-2-1-8



**CITY OF ROSENBERG**

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

**CobbFendley**  
 TBPPE Firm Registration No. 274  
 TBPUS Firm Registration No. 10467  
 22316 Grand Corner Drive, Suite 100  
 Katy, Texas 77494  
 713-462-3242 | fax 713-462-3262  
 www.cobbfendley.com

**APRIL 2018**

**GENERAL**

1. THE CONTRACTOR SHALL FIELD VERY 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 CONFORMANCE FROM THE FIELD ENGINEER, SHALL DETERMINE HS/HER LAY-DOWN AND/OR STAGING AREA LOCATIONS.
6. THE CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS A MINIMUM OF 24 HOURS PRIOR TO BLOCKING A DRIVEWAY 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, CURBENTS, ETC. OR SECTIONS THEREOF THAT ENCOMPASS THE PROJECT AREA PRIOR TO THE COMPLETION OF THE CITY'S RIGHT-OF-WAY.
9. IF THE OWNER HAS FAILED TO DO SO, THE CONTRACTOR WILL REPLACE THEM WITH THE MINIMUM LEVEL OF PROTECTION NECESSARY TO PROTECT EXISTING UTILITIES AND OVERLAYS TO EXISTING PAY ITEMS. WILL BE INCLUDED AS EXTRA WORK ITEMS OR AS OVERLAYS TO EXISTING PAY ITEMS.
10. ANY DAMAGE CAUSED BY THE CONTRACTOR TO SUCH ITEMS LOCATED OUTSIDE OF THE CITY'S RIGHT-OF-WAY, SHALL BE REPLACED WITH LIKE-KIND OR BETTER AT THE CONTRACTOR'S EXPENSE.
11. ALSO, IF THESE ITEMS ARE LOCATED WITHIN THE PROJECT RIGHT-OF-WAY AND ARE DESIGNATED TO REMAIN, ANY DAMAGE CAUSED BY THE CONTRACTOR TO SUCH ITEMS, SHALL BE REPLACED WITH LIKE-KIND OR BETTER AT THE CONTRACTOR'S EXPENSE.
12. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING MAJORS TO TEMPORARY LOCATIONS WHERE DELIVERY SERVICES CAN BE MAINTAINED, AND MOVING TO FINAL LOCATIONS BY COMPLETION OF CONSTRUCTION.
13. REMOVAL OF TREES, BUSHES, SHRUBBERY AND OTHER DAMAGED PLANTINGS WITHIN THE PROJECT RIGHT-OF-WAY IS PART OF CLEARING AND GRUBBING. FOR THOSE DESIGNATED TO REMAIN SHALL BE REPLACED WITHIN 72 HOURS OF REMOVAL AND ARE TO BE THOROUGHLY WATERED-IN. NO SEPARATE PAY.
14. PAVED SURFACES, PAVEMENT MARKERS AND MARKINGS SHALL BE PROTECTED FROM DAMAGE BY TRACKED EQUIPMENT.
15. IRON BARS DISTURBED DURING CONSTRUCTION ARE TO BE REPLACED BY A REGISTERED PUBLIC LAND SURVEYOR FOR THE ORIGINAL PROPERTY OWNER AT NO SEPARATE PAY.
16. CONSTRUCTION STAKINGS WILL BE PROVIDED BY THE CONTRACTOR. TWO COPIES OF STAKING NOTES TO BE PROVIDED TO THE CITY ENGINEER PRIOR TO CONSTRUCTION.
17. THE CITY OR THE CITY'S SURVEYOR SHALL PROVIDE A BENCHMARK OR TEMPORARY BENCHMARK AND SURVEY CONTROLS.
18. THE CONTRACTOR SHALL MAINTAIN UPDATED RED-LINED RECORD DRAWINGS ON SITE FOR INSPECTION BY THE CITY ENGINEER.
19. MOWING, MAINTENANCE AND CLEAN-UP OF THE PROJECT SHALL MEET THE REQUIREMENT OF THE SPECIFICATION (NO SEPARATE PAY). MOWING, MAINTENANCE AND CLEAN-UP IS REQUIRED FOR THE PROJECT LIMITS AND DURATION, REGARDLESS OF THE CONTRACTOR'S SCOPE OF ACTIVITIES WITHIN THE PROJECT LIMITS.
20. IT IS THE CONTRACTOR'S RESPONSIBILITY TO STOCKPILE NECESSARY MATERIAL ON-SITE OR AT A SECURED OFF-SITE LOCATION AT NO ADDITIONAL EXPENSE TO THE CITY OF ROSENBERG.
21. ANY SUITABLE EXCAVATED MATERIAL ON THE PROJECT WHICH IS AVAILABLE AT THE TIME OF NEED, WHETHER FOR: ROADWAY, AND/OR CHANNEL EXCAVATION, SHALL BE USED BEFORE BORROW IS BROUGHT ON-SITE.
22. MANHOLES, JUNCTION BOXES, INLETS, AND RISERS ARE TO BE PRE-CAST OR CAST IN PLACE.

**STORM SEWER**

1. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE Owning AUTHORITY.
2. REINFORCED CONCRETE PIPE STORM SEWERS SHALL BE ASTM C76, CLASS II, WALL B WITH RUBBER GASKET IN ACCORDANCE WITH SPECIFICATIONS.
3. TRENCH SAFETY SYSTEMS ARE REQUIRED FOR THE CONSTRUCTION OF ALL TRENCH EXCAVATION UTILIZED ON THIS PROJECT. TRENCH SAFETY SYSTEMS SHALL MEET THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS: SUBPART-1926. TRENCHING AND SHIELDING PROPOSED RULLE (29 CFR PART 1926) AS PUBLISHED IN THE FEDERAL REGISTER, VOL. 52, NO. 72 DATED APRIL 15, 1987 OR LATEST AMENDMENTS THEREON.
4. WHERE MANHOLES ARE LOCATED WITHIN THE PAVED AREAS, CONTRACTOR SHALL SET THE ELEVATIONS FOR THE MANHOLE RIMS TO BE ABOVE FINISHED GRADE AND SLOPE FILL AROUND MANHOLES SLOPED UP AND DOWN FROM THE MANHOLE RIMS. BACK MANHOLES AS NECESSARY TO ENSURE THE MANHOLE COVER DOES NOT FALL IN THE WHEEL PATH OF A TRAVEL LANE.
5. NO JETTING OF BEDDING OR BACKFILL WILL BE ALLOWED.

**SANITARY SEWER**

1. ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ROSENBERG STANDARD DETAILS DRAWING A21.4.
2. ALL MANHOLES ARE TO BE PER CITY OF ROSENBERG STANDARD DETAILS DRAWING A21.4, UNLESS OTHERWISE NOTED.
3. SANITARY SEWER MANHOLES WILL HAVE BEDDING AND BACKFILL PER CITY OF ROSENBERG STANDARD DETAILS DRAWING UNLESS OTHERWISE NOTED.
4. SANITARY SEWER PIPE 6" AND SMALLER SHALL BE SCHEDULE 40 PVC. SANITARY SEWER PIPE 8" AND LARGER SHALL BE SD-26 PVC.
5. ALL SD-26 PVC PIPE SHALL MEET ASTM SPECIFICATION D3034 AND USE TULL BORED" SD-26 PVC FITTINGS WITH APPROPRIATE ADAPTERS AND SHALL HAVE A MINIMUM DIP SIZE OF 1/8" AND RUBBER GASKET BELL-AND-SPOUT TYPE JOINT ENDS, UNLESS OTHERWISE NOTED.
6. AMWA C-900 DR-18 PVC PIPE USES EITHER AMWA C900 DR-18 PVC FITTINGS OR DP" FITTINGS.
7. ALL SANITARY SEWER LINES UNDER PROPOSED OR FUTURE OVERLAYS AND TO A BEDDING PER CITY OF ROSENBERG STANDARD DETAILS DRAWING AS APPLICABLE, WITH 1" X 5/8" SACK CEMENT/1/2" STABILIZED SAND BACKFILL UP TO THE BOTTOM OF THE PAVEMENT SURFACE. 100 PSI PERFORMANCE RESULTS ARE STILL REQUIRED.
8. ALL SANITARY SEWERS CROSSING WATER LINES WITH A CLEARANCE BETWEEN 12 INCHES AND 9 FEET SHALL HAVE A MINIMUM OF ONE (1) JOINT OF 18" DIAMETER (D261) CASTLE ON WATER LINE WHEN WATER LINE IS BELOW SANITARY SEWER PROVIDE MINIMUM 2 FOOT SEPARATION, UNLESS OTHERWISE NOTED ON PLAN.
9. CONTRACTOR SHALL PROVIDE A MINIMUM HORIZONTAL CLEARANCE OF 9 FEET BETWEEN WATER LINES AND SANITARY SEWER MANHOLES AND LINES.
10. SANITARY SEWER MANHOLE RIMS OUTSIDE OF PROPOSED PAVING WILL BE SET 3" - 6" ABOVE FINISHED GRADE. GRADE AFTER PAVING WITH SLOPED BACKFILL ADDED FOR STORM WATER TO DRAIN AWAY FROM MANHOLE RIM.
11. IN WET SLOPING TRENCH AREAS USE BEDDING PER CITY OF ROSENBERG STANDARD DETAILS DRAWING.
12. DEFLECTION TEST: DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE AND SOFTENING MATERIALS USED IN THE CONSTRUCTION OF PIPE. PIPE SHALL EXCEED A DEFLECTION OF 5% IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID WHEEL. IT SHALL HAVE A DIAMETER EQUAL TO 80% OF THE DIAMETER OF THE PIPE. TESTS SHALL BE RUN AT 3000 LBS. AT 317.2' LATEST AMENDMENT AND WITHOUT MECHANICAL PULLING DEVICES. NO BALL-TYPE MANHOLE ARE ALLOWED.
13. INFILTRATION, EXFILTRATION OR LOW-PRESSURE AIR TEST: EITHER OF THE FOLLOWING TESTS SHALL BE PERFORMED AS PER TAG. TITLE 30.317.2 WITHIN THE SPECIFIED TOLERANCES ON ALL GRAVITY SEWERS.
  - A. INFILTRATION OR EXFILTRATION TEST: TOTAL LEAKAGE AS DETERMINED BY A HYDROSTATIC HEAD TEST SHALL NOT EXCEED 50 GALLONS PER INCH DIAMETER PER MILE OF PIPE PER 24 HOURS AT A MINIMUM TEST HEAD OF TWO (2) FEET.
  - B. LOW-PRESSURE AIR TEST: PERFORM TEST ACCORDING TO UN1-9-6-90 OR OTHER APPROPRIATE PROCEDURES. FOR SECTIONS OF PIPE LESS THAN 36" (INCH) AVERAGE INSIDE DIAMETER, THE MINIMUM ALLOWABLE TIME FOR PRESSURE DROP FROM 3.5" TO 2.5" P.S.I.G. SHALL BE AS FOLLOWS:
    - 6" 340 SECONDS OR 0.855(L) FOR TEST LENGTHS GREATER THAN 38'
    - 8" 454 SECONDS OR 1.520(L) FOR TEST LENGTHS GREATER THAN 238'
    - 10" 600 SECONDS OR 2.342(L) FOR TEST LENGTHS GREATER THAN 158'
    - 12" 820 SECONDS OR 3.283(L) FOR TEST LENGTHS GREATER THAN 135'
 WHERE L = LENGTH OF LINE OF SAME PIPE SIZE IN FEET.
14. FOR SANITARY MANHOLE (MH) RIMS SET INSIDE OF OR @ CURB & GUTTER PAVEMENT AND/OR BELOW FINISHED GRADE, THE MANHOLE SHALL BE CAST IN SOLID MH COVER SHALL BE PROPERLY (AND SECURELY) ATTACHED AND SEALED TO ITS COMPATIBLE GASKETED FRAME BY USING BOTH A WEDGEPINE GASKET AND AT LEAST TWO (2) 1/2" DIA. ANCHOR BOLTS. THE COVER SHALL BE SOLID (NO AIR HOLES). SAID FRAME SHALL BE BOTH EMBEDDED INTO THE MH'S TOP ALSO SECURELY ANCHORED TO THE UNDERLYING MH STRUCTURE WITH EITHER SECURELY ATTACHED EMBEDDED BOLTS OR OTHER EQUALLY SECURED METHODS TO PREVENT MH COVER/FRAME BLOW-OFFS/EXHAUSTIONS.
15. THE SANITARY SEWER SERVICES AND CLEAN OUTS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN THE GENERAL LOCATION REFERENCE TO THE PROPOSED PROJECT AREA REGARDING SEWER CLEAN OUT LOCATION RELATIVE TO FUTURE RESIDENCE CONNECTIONS PRIOR TO SERVICE CONSTRUCTION.

**WATER LINES**

1. WATER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST CITY OF ROSENBERG DESIGN MANUAL STANDARD SPECIFICATION, AND CONSTRUCTION DETAILS.
2. 4" THRU 12" WATER LINES SHALL BE P.V.C. CLASS 150, DR-18, AMWA C-900 AND 1" THRU 3" WATER LINES SHALL BE PVC SCHEDULE 40, 4" THRU 54" D.I.P. WATER LINES SHALL BE AMWA C151 (ANSI A21.51) AND DOUBLE WRAPPED IN 8-MIL POLYETHYLENE. PIPE SHALL BE LINED IN ACCORDANCE WITH AMWA C104 (ANSI A21.4).
3. CONCRETE THROST BLOCKS SHALL BE PROVIDED AS NECESSARY TO PREVENT PIPE MOVEMENT. REINFORCED JOINTS WHERE PREVENTING MOVEMENT OF 18" OR GREATER PIPE IS NECESSARY DUE TO THRUST.
4. ALL WATER LINES UNDER PROPOSED OR FUTURE PAVING AND TO A POINT OF ONE (1) FOOT BACK OF ALL PROPOSED OR FUTURE CURBS SHALL BE ENCASED IN BANK SAND TO 12" OVER PIPE AND BACKFILLED WITH CEMENT STABILIZED SAND TO WITHIN ONE (1) FOOT OF SUBGRADE.
5. ALL WATER LINE AND SEWER LINE CROSSINGS SHALL BE CONSTRUCTED PER CITY OF ROSENBERG AND TCEO REGULATIONS.
6. ALL WATER VALVES SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF AMWA C-300 AND SHALL BE OF THE RESULT 30A TYPE.
7. ALL WATER LINES TO BE DISCONNECTED IN CONFORMANCE WITH AMWA C-681 AND THE TEXAS STATE DEPARTMENT OF HEALTH. AT LEAST ONE BACTERIOLOGICAL SAMPLE SHALL BE COLLECTED FOR EVERY 1,000 LINEAR FEET OF WATER LINE AND SHALL BE REPEATED IF CONTAMINATION PERSISTS.
8. ALL BELOW GRADE VALVES SHALL BE GASKETED, HUB-END GATE VALVES WITH A CAST IRON BOX, EXCEPT WHERE FLANGES ARE CALLED OUT ON THE PLANS.
9. 4" THRU 12" FITTINGS SHALL BE CEMENT MORTAR LINED COMPACT DUCTILE IRON PRESSURE FITTINGS PER ANSI A21.53, OR PUSH ON FITTINGS PER ANSI A21.10 PRESSURE RATED AT 250 PSIG.
10. HYDROSTATIC TESTS: ALL WATER PIPE SHALL BE TESTED FOR LEAKAGE IN CONFORMANCE WITH THE LATEST CITY OF ROSENBERG STANDARD CONSTRUCTION SPECIFICATIONS. TESTS ARE TO BE PERFORMED ON THE ENTIRE FOOTAGE OF WATER PIPE LINE INCLUDED IN THE PROJECT.
11. ALL WATER LINES TO HAVE 3" MINIMUM COVER TO FINISHED GRADE AND MINIMUM 17" CLEARANCE TO OTHER UTILITIES AT CROSSING UNLESS OTHERWISE NOTED ON PLANS. ALL WATER LINE INSTALLED OVER 8' DEEP SHALL UTILIZE RESTRAINED JOINT FITTINGS, UNLESS OTHERWISE NOTED ON PLANS.
12. CONTRACTOR SHALL KEEP WATER PIPE CLEAN AND CAPPED (OR OTHERWISE EFFECTIVELY COVERED) OPEN PIPE ENDS TO EXCLUDE INSECTS, WINGS OR OTHER SOURCES OF CONTAMINATION FROM UNPAVED PIPE LINES AT TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS.

**PAVING**

1. THE CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROL POINTS TO CONSTRUCTION AND REPORT ANY DISCREPANCIES AND CONFLICTS TO THE CITY AND ENGINEER IMMEDIATELY.
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 ITEM. SEE SPEC. 02016-1 PAVEMENT REPAIR AND RESURFACING.

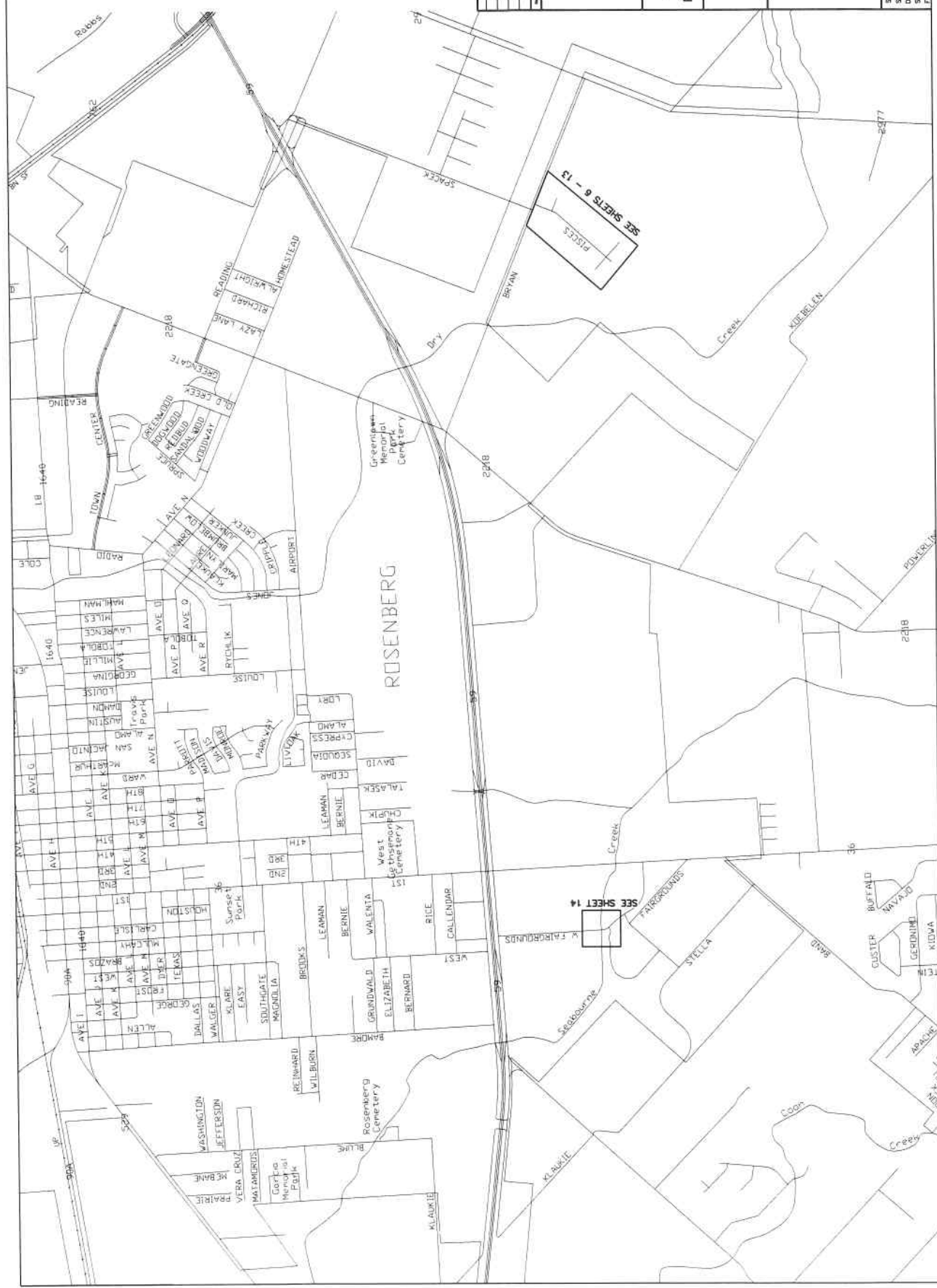


CITY OF ROSENBERG  
PARK PLACE SOUTHWEST  
FORT BEND COUNTY, TEXAS



GENERAL NOTES

|              |                   |
|--------------|-------------------|
| DESIGNED BY: | DATE: APRIL 2018  |
| DRAWN BY:    | SUPPLY BY: CFA    |
| CHECKED BY:  | F. B. NO.         |
| DATE:        | SHEET NO. 2 OF 18 |
| DATE:        | DATE:             |



CITY OF ROSENBERG  
 PARK PLACE SOUTHWEST  
 FORT BEND COUNTY, TEXAS

**CobbFendley**  
 20710 Grand Central Drive, Suite 100  
 Katy, Texas 77450  
 713.445.7500  
 www.cobbfendley.com

DESIGNED BY:  
 DRAWN BY:  
 CHECKED BY:  
 DATE: APRIL 2018  
 SURVEY BY: CNA  
 P.B. 05

OVERALL SITE PLAN

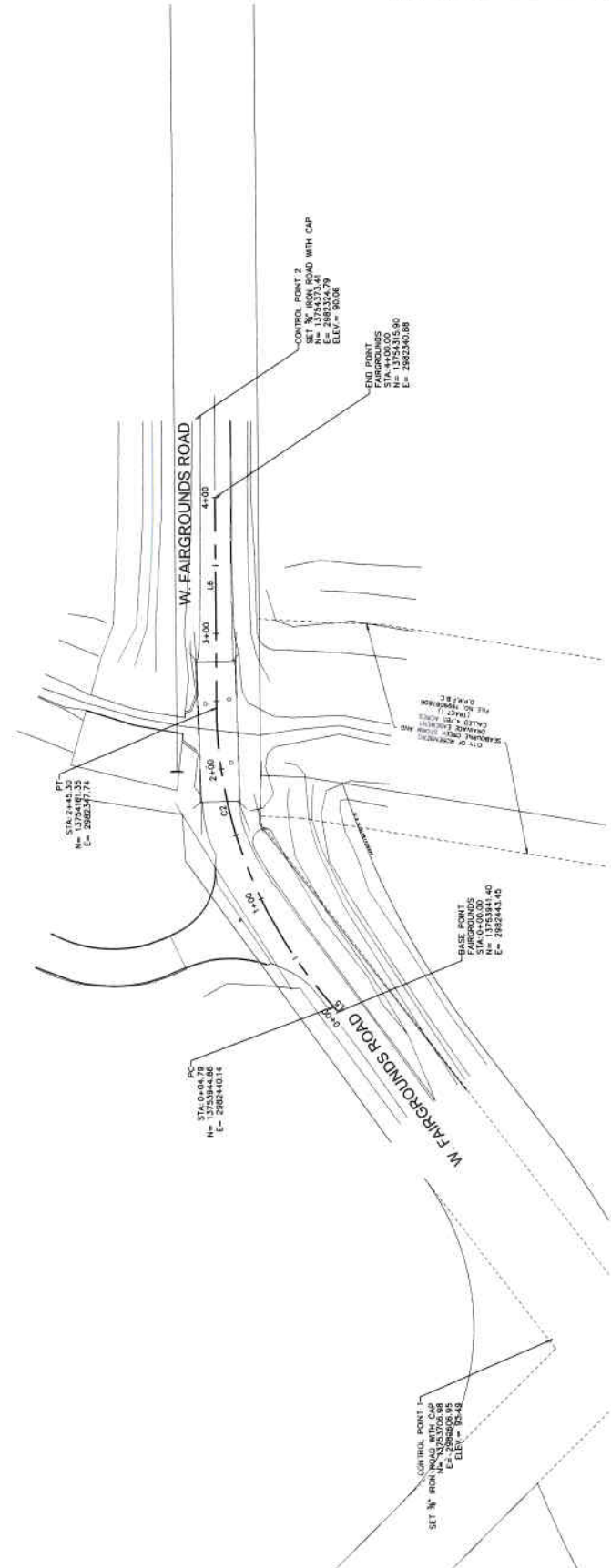


SEE SHEETS 6 - 13  
 PIECES

SEE SHEET 14



**BENCH MARK**  
 OBJECT LOCATION: FAIRGROUNDS  
 THE SURVEY POINT IS LOCATED AT THE INTERSECTION OF  
 THE WEST SIDE OF AIR HIGHWAY AT THE FAIRGROUNDS  
 ELEVATION: 90.00  
 ELEVATION: 90.00  
 APPROXIMATELY 1.00 NORTH OF THE INTERSECTION OF  
 THE WEST SIDE OF AIR HIGHWAY AND FAIRGROUNDS RD  
 ELEVATION: 90.00



- NOTES:**
- ALL DIMENSIONS AND BEARINGS SHOWN ARE BASED ON THE  
 NATIONAL GRID SYSTEM. ALL DIMENSIONS ARE IN FEET AND  
 DECIMALS THEREOF. ALL BEARINGS ARE TRUE BEARINGS  
 UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE TO THE  
 CENTER OF THE ROAD UNLESS OTHERWISE NOTED.
  - ALL DIMENSIONS SHOWN ARE EXTENDED TO THE NORTH-BOUND  
 SIDE OF THE ROAD UNLESS OTHERWISE NOTED. ALL DIMENSIONS  
 ARE TO THE CENTER OF THE ROAD UNLESS OTHERWISE NOTED.
  - THE SUBJECT PROPERTY AT 801 CRENSHAW DRIVE, WILCOX, GA  
 IS LOCATED APPROXIMATELY 1/2 MILE SOUTH OF THE  
 INTERSECTION OF W. FAIRGROUNDS ROAD AND FAIRGROUNDS ROAD  
 STATION 1+51.00.

**CURVE TABLE**

| CURVE # | START STA. | END STA. | RADIUS | LENGTH | DELTA     | CHORD BEARING | CHORD DISTANCE |
|---------|------------|----------|--------|--------|-----------|---------------|----------------|
| C2      | 0+04.79    | 2+45.30  | 355.00 | 240.51 | 41°08'03" | N63°06'43"W   | 235.37         |

**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  |

NO. DATE REVISION

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

**CobbFendley**  
 2216 Oldham Street, Suite 100  
 Houston, Texas 77060  
 713-462-3243 Fax 713-462-3827  
 www.cobbhendley.com

---

**SURVEY CONTROL -**  
**W. FAIRGROUNDS ROAD**

DESIGNED BY:  
 DRAWN BY:  
 DATE: APRIL 2018  
 SURVEY BY: CH  
 F.B. NO:













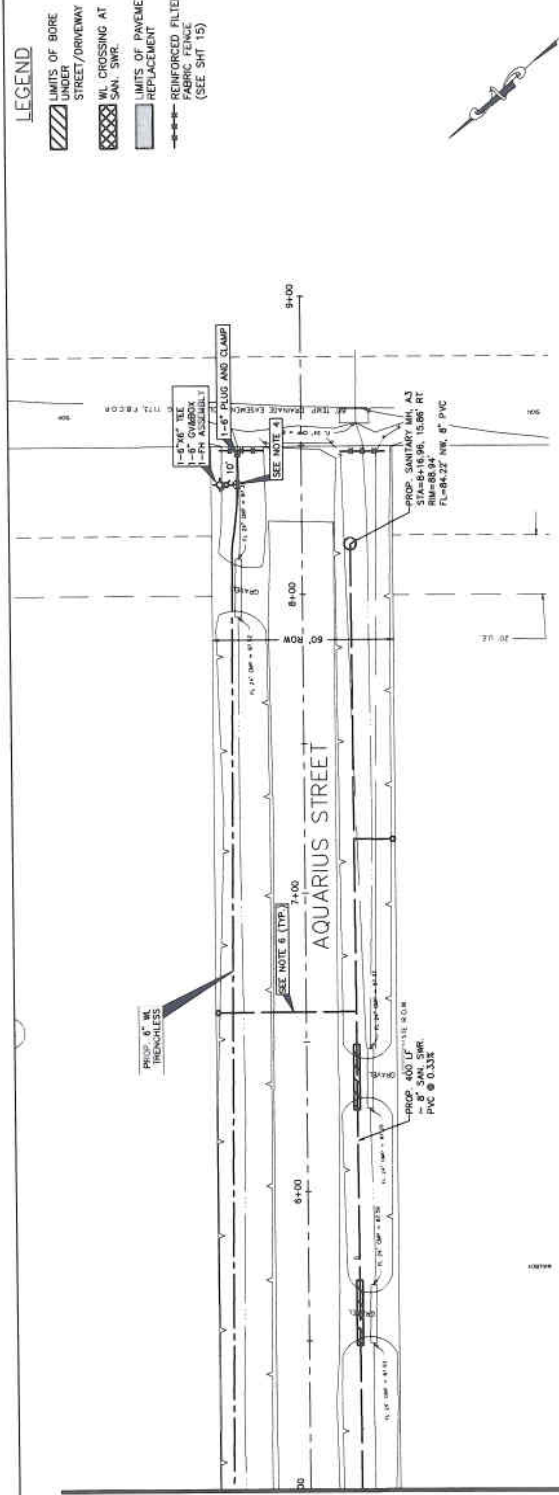
**LEGEND**

- LIMITS OF BORE STREET/DRIVEWAY
- ML CROSSING AT SAN. SMR.
- LIMITS OF PAVEMENT REPLACEMENT
- REINFORCED FILLER FABRIC FENCE (SEE SHT 15)

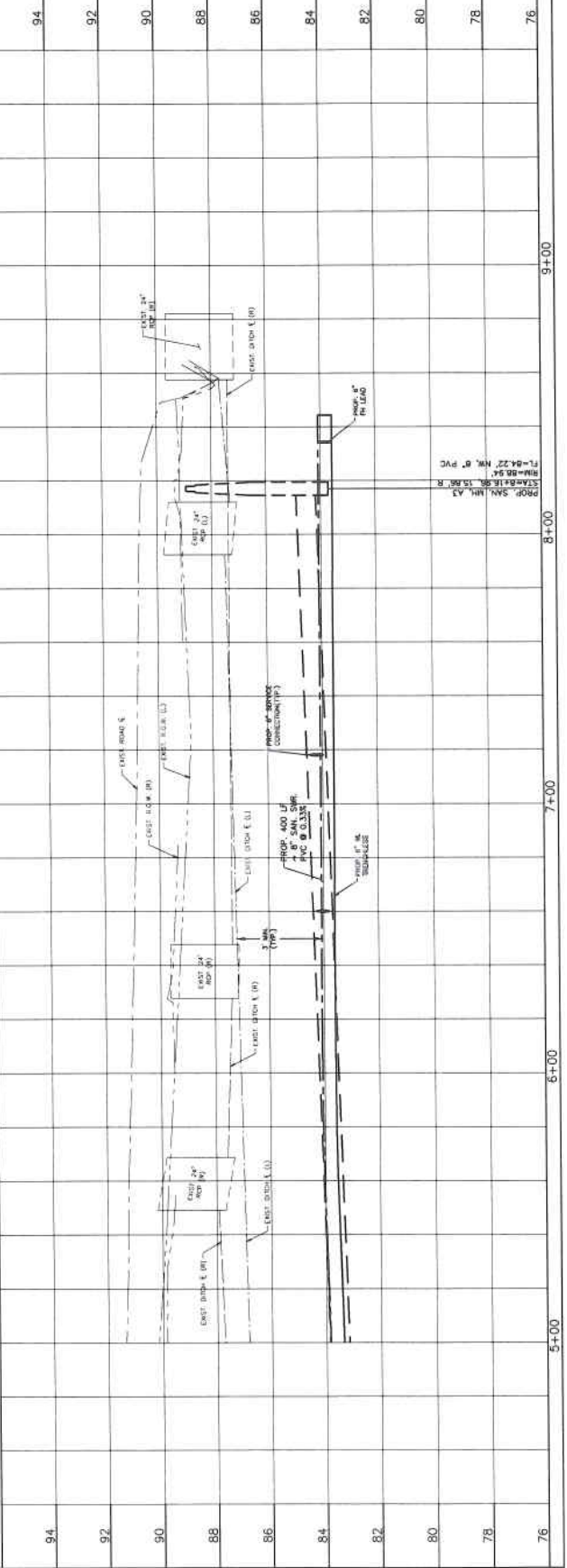
**BENCH MARK**  
 EXACT BENCHMARK LOCATION IS TO BE INDICATED IN THE FIELD BY A 1" X 1" X 1" BENCH MARK AT THE NORTHWEST CORNER OF THE DRIVEWAY AND SPACES 10' APART ALONG THE DRIVEWAY. THE BENCH MARKS SHALL BE PLACED OUTSIDE OF THE DRIVEWAY AND SHALL BE PLACED OUTSIDE OF THE DRIVEWAY LINE.

- CONSTRUCTION NOTES**
- CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES AND TO PROVIDE PROTECTIVE CASING AND COVERING AROUND THE DATE.
  - ALL PIPE INSTALLATIONS SHALL BE INSTALLED 1" OFF THE BOTTOM OF THE DRIVEWAY AND SHALL BE PLACED OUTSIDE OF THE DRIVEWAY LINE.
  - AS THE SERVICE CONNECTIONS CROSS UNDER THE DRIVEWAY, THE CONTRACTOR SHALL PROVIDE PROTECTIVE CASING AND COVERING AROUND THE DATE.
  - CONTRACTOR SHALL PROVIDE PROTECTIVE CASING AND COVERING AROUND THE DATE.
  - CONTRACTOR SHALL PROVIDE PROTECTIVE CASING AND COVERING AROUND THE DATE.

**VERIFICATION OF PRIVATE UTILITY LINES**  
 THE CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE PROTECTIVE CASING AND COVERING AROUND THE DATE.



**AQUARIUS STREET**



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

**CobbFendley**  
 2235 Old Katy Road, Suite 100  
 Houston, Texas 77054  
 www.cobbfendley.com

**PLAN & PROFILE -**  
**AQUARIUS STREET STA**  
**5+00 TO 9+00**

DESIGNED BY: [ ]  
 DRAWN BY: [ ]  
 DATE: APRIL 2018  
 SURVEY BY: CFA  
 SHEET NO. 12 OF 18  
 CIRC. NO. [ ]  
 F. B. NO. [ ]



**BENCH MARK**

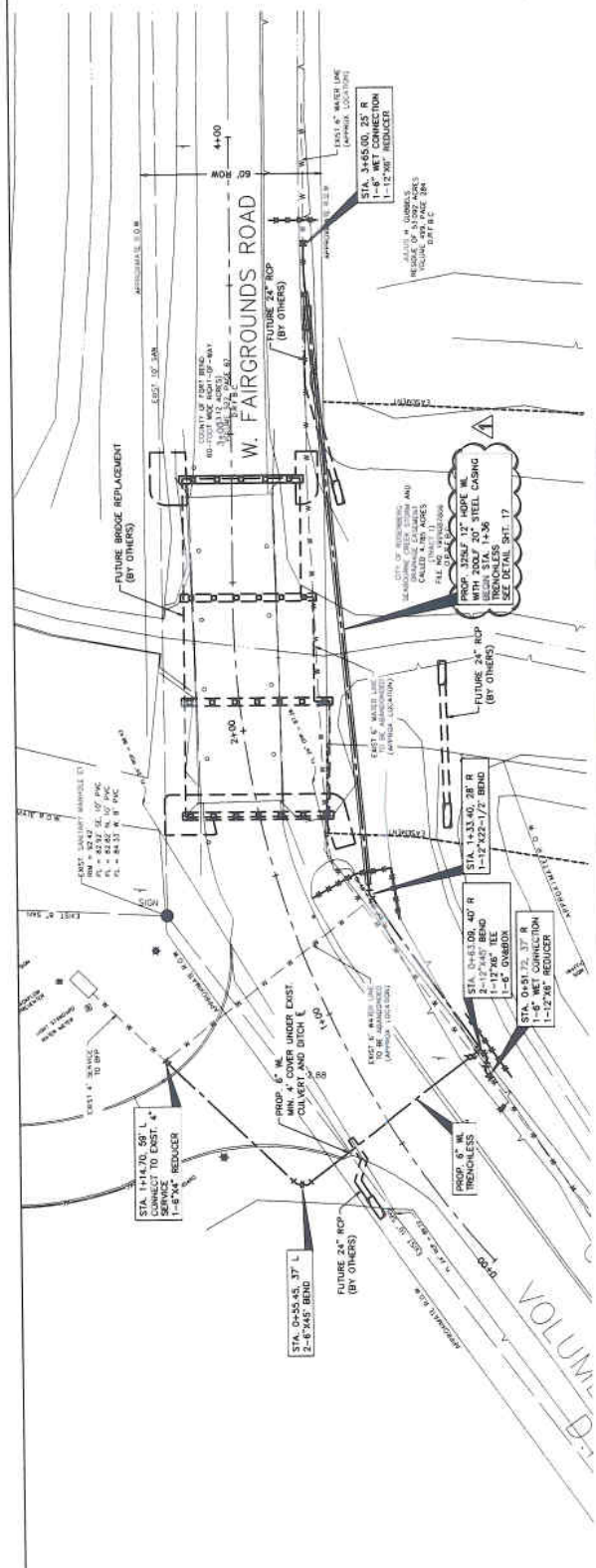
THE BENCH MARK IS THE POINT OF REFERENCE FOR THE ELEVATION OF THE SURFACE OF THE ROADWAY. THE BENCH MARK IS A 5" DIA. IRON ROD LOCATED APPROXIMATELY 10' SOUTH OF THE SUBSTATION OF THE ROADWAY. THE BENCH MARK IS IDENTIFIED BY THE WORD "BENCH MARK" ON THE PLAN SHEET.

**CONSTRUCTION NOTES**

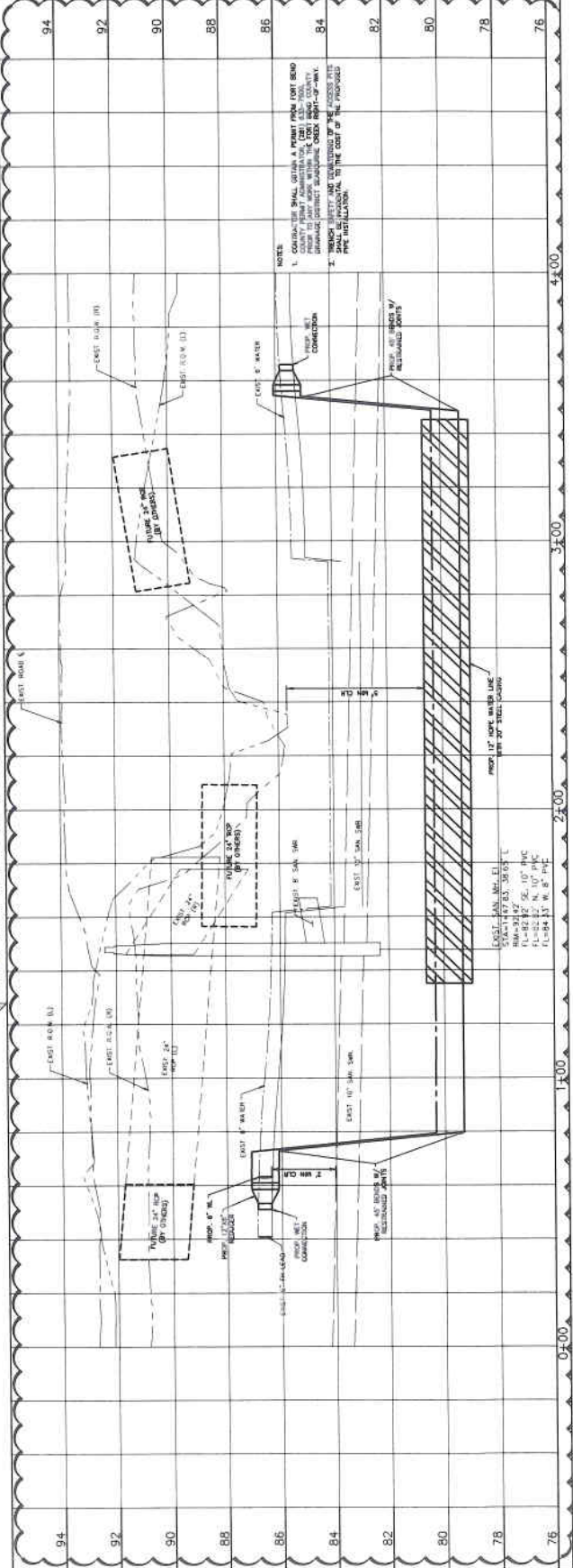
1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, TEXAS EDITION, 2011.
2. VERIFY ALL EXISTING UTILITIES BEFORE CONSTRUCTION.
3. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, TEXAS EDITION, 2011.
4. ALL PAVEMENT SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, TEXAS EDITION, 2011.
5. ALL UTILITIES SHALL BE PROTECTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
6. ALL UTILITIES SHALL BE REPAIRED OR REPLACED TO ORIGINAL OR BETTER CONDITION.
7. ALL UTILITIES SHALL BE IDENTIFIED AND MARKED BEFORE CONSTRUCTION.
8. ALL UTILITIES SHALL BE PROTECTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
9. ALL UTILITIES SHALL BE REPAIRED OR REPLACED TO ORIGINAL OR BETTER CONDITION.
10. ALL UTILITIES SHALL BE IDENTIFIED AND MARKED BEFORE CONSTRUCTION.

**LEGEND**

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



**W. FAIRGROUNDS ROAD**



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

**CobbFendley**  
 22175 Old Katy Road, Suite 17504  
 Houston, Texas 77058  
 281-440-3200

**PROJECT NO. 1**

**ADDENDUM NO. 1**

**DATE**

**SCALE: 1"=20H 1"=2V**

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

**DESIGNED BY:**

**DRAWN BY:**

**CHECKED BY:**

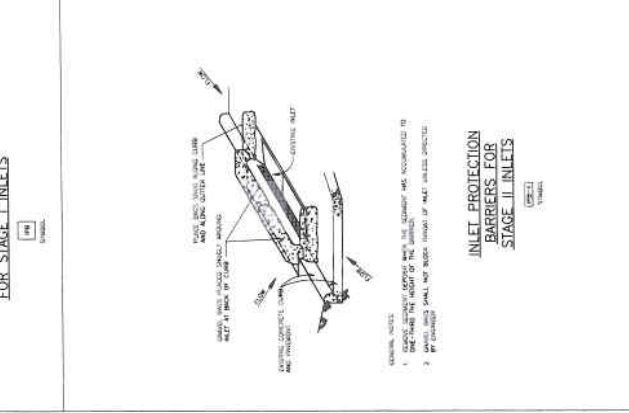
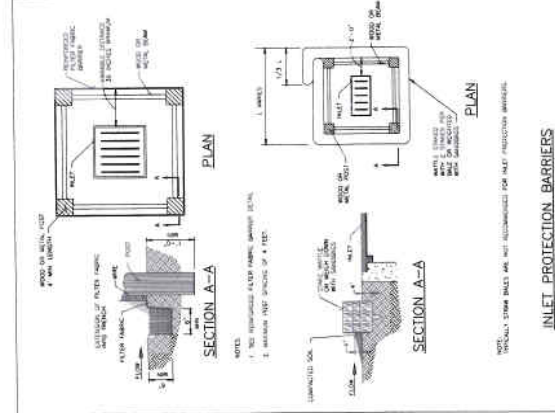
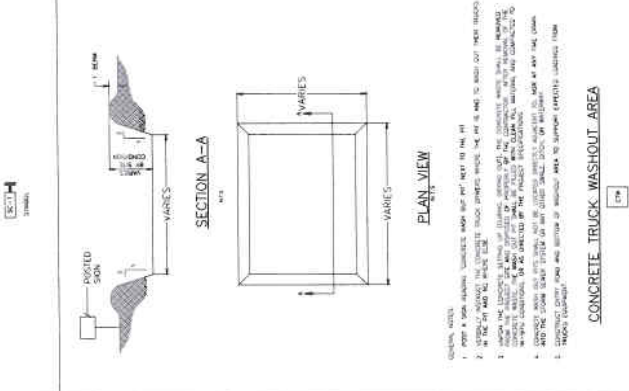
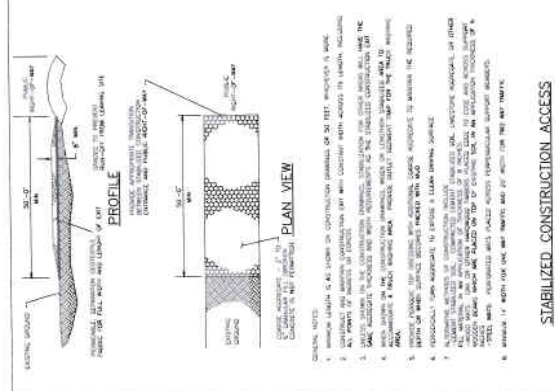
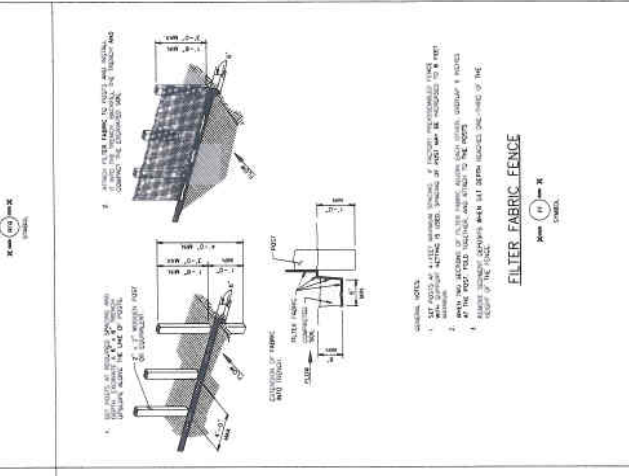
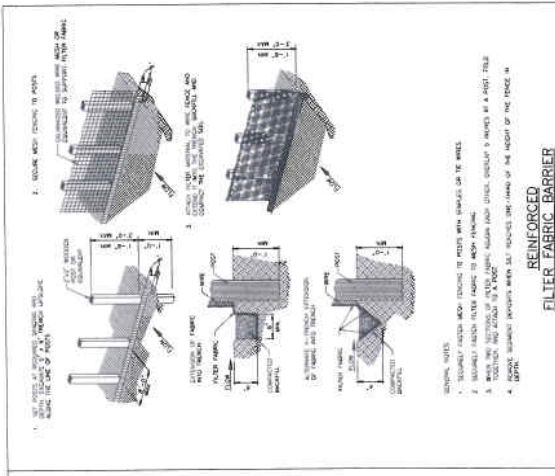
**DATE: APRIL 2018**

**SHEET NO. 14 OF 18**


**DATE: APRIL 2018**

**SCALE: 1"=20H 1"=2V**


**DATE: APRIL 2018**



|     |      |             |
|-----|------|-------------|
| NO. | REV. | DESCRIPTION |
|     |      |             |
|     |      |             |
|     |      |             |



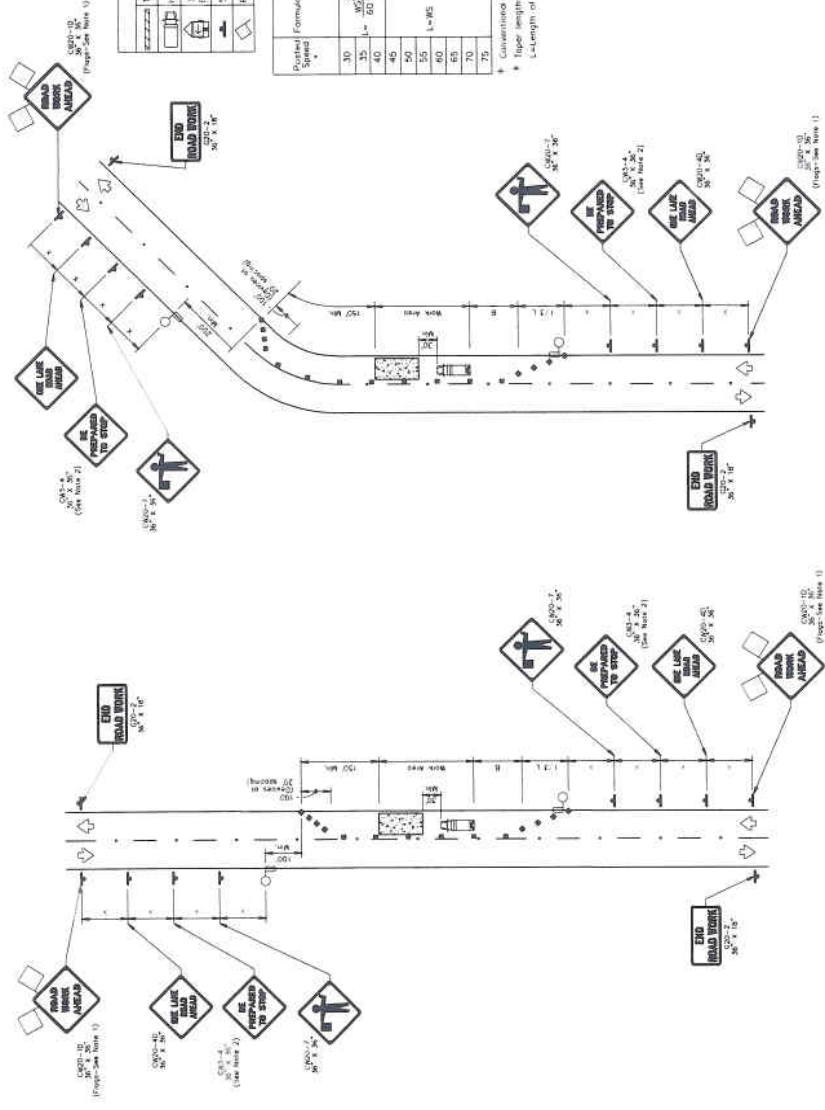
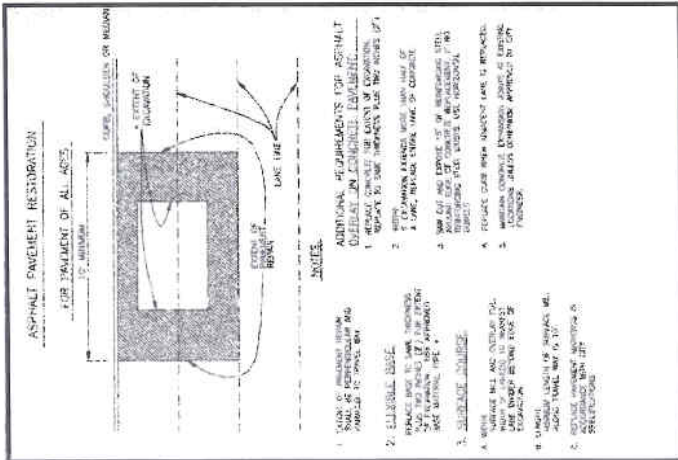
**CITY OF ROSENBERG**  
PARK PLACE SOUTHWEST  
FORT BEND COUNTY, TEXAS



**CobbFendley**  
18000 Katy Freeway, Suite 100  
22110 Katy, Texas 77450  
713-462-3501 | Fax: 713-462-3022  
www.cobbhendley.com

**STORM WATER  
POLLUTION PREVENTION  
PLAN DETAILS**

|                  |                     |
|------------------|---------------------|
| SUBMITTED BY:    | DESIGNED BY:        |
| SCALE: NTS       | DRAWN BY:           |
| DATE: APRIL 2018 | SHEET NO.: 15 OF 18 |
| SURVEY BY: CA    | DRG. NO.:           |
| F. B. NO.:       |                     |



**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. FLAG ATTACHED TO SIGNS WHERE SHOWN ARE OPTIONAL.
  2. SIGNS WITH THE TRIANGLE SYMBOL ARE TO BE PLACED NEAR THE BEGINNING OF THE WORK ZONE.
  3. SIGNS WITH THE TRIANGLE SYMBOL ARE TO BE PLACED NEAR THE END OF THE WORK ZONE.
  4. A SHADOW VEHICLE WITH A TMA SHOULD BE USED ANYTIME IT CAN BE USED TO ADVISE TRAFFIC OF THE WORK ZONE WITHOUT ADVERSELY AFFECTING THE PERFORMANCE OR QUALITY OF THE WORK.
  5. WORKERS ARE TO REMAIN PRESENT AT ALL TIMES AT THE WORK ZONE.
  6. OTHER CHANNELING DEVICES MAY BE SUBSTITUTED FOR THE SHADOW VEHICLE AND TMA.
  7. SHADOW VEHICLES WITH TMA'S MAY BE POSITIONED OFF THE PAVED SURFACE, NEXT TO THOSE SHOWN IN ORDER TO PROTECT WORKER WORK SPACES.
  8. CONTRACTOR SHALL PROVIDE ADEQUATE LIGHTING FOR ALL TRAFFIC CONTROL DEVICES (NOTED - LATEST EDITION WITH REVISIONS) DURING CONSTRUCTION.
  9. FLAGGERS SHOULD USE THE MAXIMUM RADIUS OR OTHER METHODS OF COMMUNICATION TO CONTROL TRAFFIC.
  10. LENGTH OF WORK SPACE SHOULD BE BASED ON THE ABILITY OF FLAGGERS TO MAINTAIN ADEQUATE CLEARANCE FOR TRAFFIC TO PASS.
  11. BUFFER DISTANCES SHOULD BE INCREASED IN ORDER TO ACCOMMODATE TRAFFIC WITH ADVERSE WEATHER CONDITIONS.
  12. CHANNELING DEVICES ON THE ROADWAY MAY BE USED WHEN A PILOT FLAGGER IS NOT AVAILABLE TO CONTROL TRAFFIC.
  13. FLAGGERS SHOULD USE 24" STOP/SLOW PADDLES TO CONTROL TRAFFIC.

**LEGEND**

| Symbol | Description                             |
|--------|---|
| ZZZZZZ | Type 3 Spinecone                        |
| □      | Channelizing Devices                    |
| □      | Stake Mounted Alternator (TMA)          |
| □      | Portable Cherygnade Message Sign (PCMS) |
| □      | Flashing Arrow Board                    |
| □      | Sign                                    |
| □      | Flagger                                 |

| Posted Sign | Minimum Advance Distance | Minimum Spacing | Suggested Longitudinal Spacing |
|-------------|--------------------------|-----------------|--------------------------------|
| 30          | 150                      | 165             | 180                            |
| 35          | 200                      | 225             | 240                            |
| 40          | 260                      | 285             | 300                            |
| 45          | 320                      | 350             | 360                            |
| 50          | 380                      | 415             | 420                            |
| 55          | 440                      | 480             | 490                            |
| 60          | 500                      | 545             | 550                            |
| 65          | 560                      | 610             | 615                            |
| 70          | 620                      | 675             | 680                            |
| 75          | 680                      | 740             | 745                            |

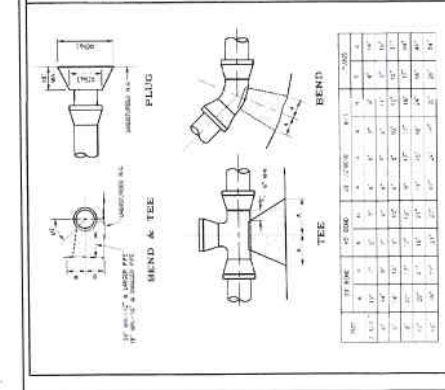
† Conversion Hours Only  
 ‡ Flagger lengths have been rounded off.  
 † Length of Sign (F) is twice of Offset (E) Spacing (m/min)

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

**CobbRendley**  
18180 Katy Road, Suite 100  
Katy, Texas 77450  
713-944-0000  
www.cobbrendley.com

**PAVING AND TRAFFIC CONTROL NOTES AND DETAILS**

|                  |                    |
|------------------|--------------------|
| DESIGNED BY:     | DRAWN BY:          |
| SCALE: NTS       | SHEET NO. 16 OF 19 |
| DATE: APRIL 2018 | SHEET BY: GA       |
| PROJECT NO.:     | CNC. NO.:          |

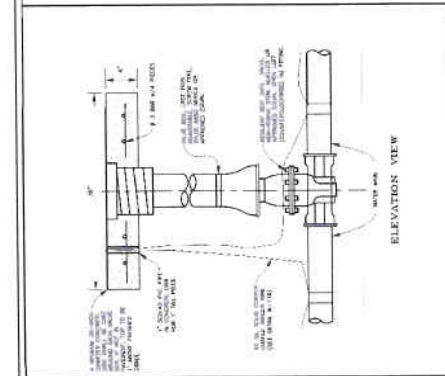


**WATER STOPPING DETAILS**

1. ALL JOINTS SHALL BE WATER STOPPED WITH A WATER STOP STRIP.

2. THE WATER STOP STRIP SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

3. THE WATER STOP STRIP SHALL BE INSTALLED BEFORE THE FINAL CURING OF THE CONCRETE.

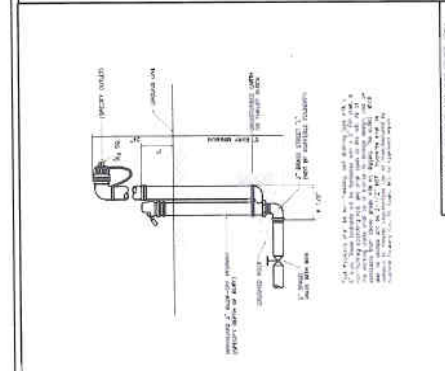


**FIRE HYDRANT ASSEMBLY**

1. ALL JOINTS SHALL BE WATER STOPPED WITH A WATER STOP STRIP.

2. THE WATER STOP STRIP SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

3. THE WATER STOP STRIP SHALL BE INSTALLED BEFORE THE FINAL CURING OF THE CONCRETE.

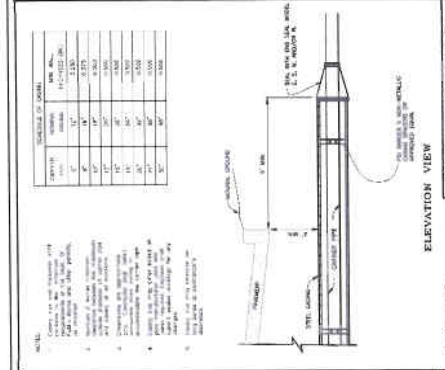


**RISER LINE UNDERGROUND**

1. ALL JOINTS SHALL BE WATER STOPPED WITH A WATER STOP STRIP.

2. THE WATER STOP STRIP SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

3. THE WATER STOP STRIP SHALL BE INSTALLED BEFORE THE FINAL CURING OF THE CONCRETE.

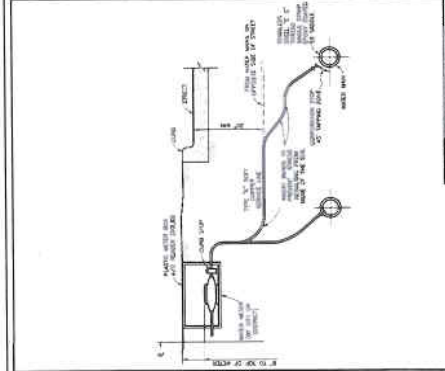


**METER ASSEMBLY**

1. ALL JOINTS SHALL BE WATER STOPPED WITH A WATER STOP STRIP.

2. THE WATER STOP STRIP SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

3. THE WATER STOP STRIP SHALL BE INSTALLED BEFORE THE FINAL CURING OF THE CONCRETE.

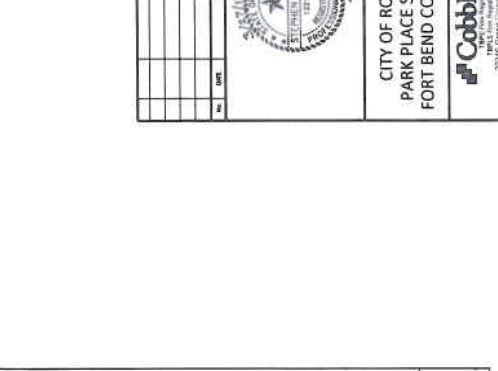
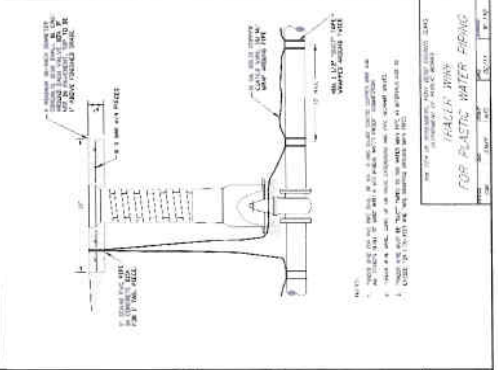
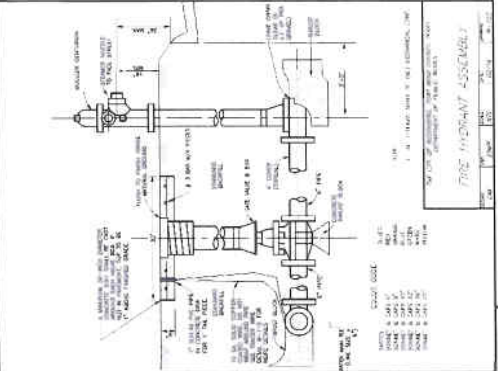
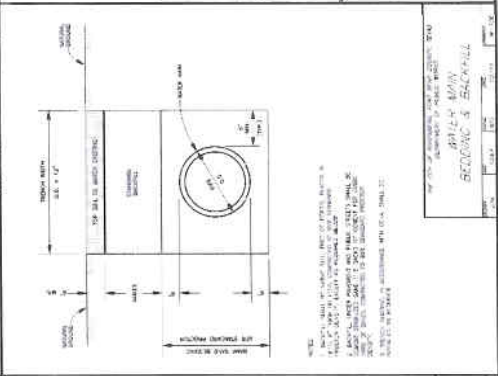
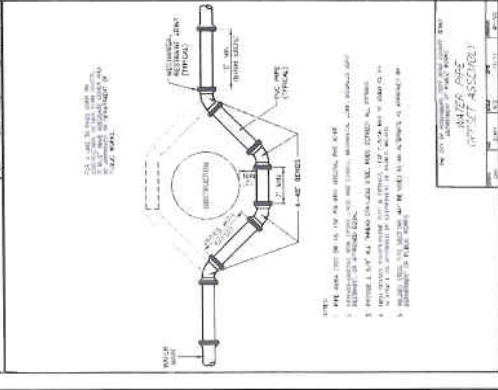



**WATER LINE NOTES AND DETAILS**

1. ALL JOINTS SHALL BE WATER STOPPED WITH A WATER STOP STRIP.


2. THE WATER STOP STRIP SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

3. THE WATER STOP STRIP SHALL BE INSTALLED BEFORE THE FINAL CURING OF THE CONCRETE.





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



**CobbRendley**  
 23110 Greenway, Suite 100  
 Katy, Texas 77454  
 714-633-0100 / 714-633-0302  
 www.cobblendley.com

**WATER LINE NOTES AND DETAILS**

DESIGNED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 DATE: APRIL 2018  
 SUPPLY BY: CFA  
 SHEET NO. 17 OF 18  
 DWG. NO. \_\_\_\_\_

