12m

# REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

On this 07 day of MAY, 2013, Commissioners Court came on to be heard and reviewed the accompanying notice

of T CONSTRUCTION, LLC

Job Location KEEGANS BAYOU, SEVERAL STREETS IN KINGSBRIDGE MUD

Dated 04/17/13 Bond No. 022-045-036, Permit No. 84339

to make use of certain Fort Bend County property subject to, "A Revised Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, date the 3rd day of August, 1987, recorded in Volume _____ of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Article 1436a, Vernon's Texas Civil Statues. Upon Motion of Commissioner Meyers, seconded by Commissioner Patterson, duly put and carried, it is ORDERED, ADJUGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Notes:

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
   a. 48 hours in advance of construction start up, and
   b. When construction is completed and ready for final inspection

   Mail notices to: Permit Administrator
   Fort Bend County Engineering
   P.O. Box 1449
   Rosenberg, Texas 77471
   281-633-7500
3. This permit expires one (1) year from date of permit if construction has not commenced.

By _____
County Engineer

By _____
Drainage District Engineer/Manager

Presented to Commissioners Court and approved.
Recorded in Volume 5-7-13
Minutes of Commissioners Court.

Clerk of Commissioners Court
By _____
Deputy

(REVISED 5/30/08)

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

**AUTHORIZED**

**BOND NO** 022-045-036

**THE STATE OF TEXAS** §

**KNOW ALL MEN BY THESE PRESENTS:**

**COUNTY OF FORT BEND** §

**THAT WE,** T CONSTRUCTION, LLC **whose address is** 12605 McNair St., Houston, TX 77015 **Texas, hereinafter called the Principal, and** WEST AMERICAN INSURANCE COMPANY **a Corporation existing under and by virtue of the laws of the State of** PENNSYLVANIA **and authorized to do an indemnifying business in the State of Texas, and whose principal office is located at** ~~1600 N. Collins Blvd., Richardson~~, TX 75080 **whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought within said State is** PENNSYLVANIA **and whose address is** 450 Plymouth Road, Suite 400, Plymouth Meeting, PA 19462-8284 **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** ~~Twenty Two Thousand~~ Dollars&no/100t **Dollars ($**22,000.00**) Current, lawful money of the United States of America, to be paid to said Robert E. Hebert, County Judge of Fort Bend County, Texas, or his successors in office, to which payment well and truly to be made and done, we, the undersigned, bind ourselves and each of us, our heirs, executors, administrators, successors, assigns, and legal representatives, jointly and severally, by these presents.**

**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 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;**

**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 in the County of Fort Bend and State of Texas, under the jurisdiction of the Commissioners Court of Fort Bend County, Texas, pursuant to and in accordance with minimum requirements and conditions of the above mentioned Commissioners' Court order set forth and specified to be by said principal done and performed, at the time and in the manner therein specified, and shall pay over and make good and reimburse Fort Bend County, all loss and damages which Fort Bend County may sustain by reason of any failure or default on the part of said principal, then this obligation shall be null and void, otherwise to remain in full force and effect.**

**This bond is payable at the County Courthouse in the County of Fort Bend and State of Texas.**

**It is understood that at any time Fort Bend County deems itself insecure under this bond, it may require further and/or additional bonds of the principal.**

**EXECUTED this** 10th **day of** April, **20** 13.

T CONSTRUCITON, LLC
**PRINCIPAL**

**BY** Vice President

WEST AMERICAN INSURANCE COMPANY
**SURETY**

**BY** Suzonne D. Lawrence
Attorney-In-Fact

C:\Documents and Settings\harnesha\Local Settings\Temp\PERFBOND.P01.doc

**THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.** 5091969

**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.**

**WEST AMERICAN INSURANCE COMPANY**
**INDIANAPOLIS, INDIANA**
**POWER OF ATTORNEY**

**KNOW ALL PERSONS BY THESE PRESENTS:** That West American Insurance Company (the "Company"), an Indianapolis stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint **ROBERT M. OVERBEY, JR., CAROL E. HOCK, SUZONNE D. LAWRENCE, ALL OF THE CITY OF HOUSTON, STATE OF TEXAS**

, 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 the penal sum not exceeding **TEN MILLION AND 00/100********** ******DOLLARS ($ 10,000,000.00********** ******) each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

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 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, bond, 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.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:
Pursuant to Article IV, Section 12 of the By-Laws, David M. Carey, Assistant Secretary of West American Insurance Company, is hereby authorized to 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.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of West American Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this 11th day of January, 2012.

**WEST AMERICAN INSURANCE COMPANY**

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

COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 11th day of January, 2012, before me, a Notary Public, personally came David M. Carey, to me known, and acknowledged that he is an Assistant Secretary of West American Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of West American Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

By Teresa Pastella
Teresa Pastella, Notary Public

**CERTIFICATE**

I, the undersigned, Assistant Secretary of West American Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article IV, Section 12 of the By-Laws of West American Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of West American Insurance Company at a meeting duly called and held on the 15th day of February, 2011:

VOTED that the 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.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this _____ day of _____, _____.

Gregory W. Davenport
Gregory W. Davenport, Assistant Secretary

**Not valid for mortgage, note, loan, letter of credit, bank deposit, 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.**

# West American Insurance Company

## TEXAS
## IMPORTANT NOTICE

To obtain information or make a complaint:

You may call Ohio Casualty Bond's toll-free telephone number for information or to make a complaint at
1-800-843-6446

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
P. O. Box 149104
Austin, TX 78714-9104
FAX: (512) 475-1771
Web: http://www.tdi.state.tx.us
E-mail: ConsumerProtection@tdi.state.tx.us

PREMIUM OR CLAIM DISPUTES:

Should you have a dispute concerning your premium or about a claim you should contact the agent or Ohio Casualty Bond first. 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 Ohio Casualty Bond's para informacion o para someter una queja al
1-800-843-6446

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

Puede escribir al Departamento de Seguros de Texas
P. O. Box 149104
Austin, TX 78714-9104
FAX # (512) 475-1771
Web: http://www.tdi.state.tx.us
E-mail: ConsumerProtection@tdi.state.tx.us

DISPUTAS SOBRE PRIMAS O RECLAMOS:

Si tiena una disputa concerniente a su prima o a un reclamo, debe comunicarse con el agente o Ohio Casualty Bond 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.

# COUNTY OF FORT BEND

## Engineering Department

P.O. BOX 1449
Rosenberg, Texas 77471-1449

Johnny Ortega
Permit Administrator

1124 Blume Road
Phone: (281) 341-7500

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

**PERMIT NO.** 084239

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.

X (1) Complete Application Form.
- X a. Name of road, street, and/or drainage ditch affected.
- X b. Vicinity map showing course of direction.
- X c. Plans and specifications.

X (2) Bond: _____
District Attorney, approval when applicable.
- ____ Perpetual bond currently posted.
  - No. _____
  - Amount _____
- X Performance bond submitted.
  - No. 022-045-036
  - Amount $22,000.00
- ____ Cashier's Check.
  - No. _____
  - Amount _____

____ (3) Verbal permission given for emergencies, to start construction before approved in Commissioner's Court.

_____ _____
Precinct Engineer Acknowledgment Date

_____ _____
Precinct Commissioner Acknowledgment Date

____ (4) Adam Wright
Drainage District Approval when applicable

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

Johnny Ortega 04/11/2013
Johnny Ortega CFM/ Permit Administrator Date
(REVISED 5/30/08)

NOTICE OF PROPOSED CABLE, CONDUIT AND/OR POLE LINE ACTIVITY
IN, UNDER, ACROSS OR ALONG ROADS, STREETS, HIGHWAYS AND DRAINAGE DITCHES
IN FORT BEND COUNTY

APPLICANT'S JOB NO. 0601-143-00
PERMIT No. 84339 PCT. No. 2
BOND No. 022-044-251

Formal notice is hereby given that T CONSTRUCTION, LLC proposes to lay, construct, maintain and/or repair cable, conduit and/or pole line, in, under, across, or along roads, streets, highways and drainage ditches in Fort Bend County, as follows:

In, Under, or Across Roads and/or Drainage Ditches

| Road or Ditch Name | Distance & Direction From Nearest Intersection | Length of Crossing | Type of Construction Bored: | Jacked: | Driven: | Cased |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
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Along Roads and/or Drainage Ditches

| Road or Ditch Name | Distance & Direction From Nearest Intersection | To | Distance |
|---|---|---|---|
| KEITHANS BAYOU | STANBRIDGE RD - SOUTH | KEITHANS BAYOU | +/- 200 Lf. |
| | | | |
| | | | |

General Description

Replace Exist. 30" CGMP w/ Proposed 130 Lf. of 60" CGMP. Back Side to McDonalds Parking Lot located near Hwy 6 and Stanbridge.

The Location and description of the proposed installation and appurtenances is more fully shown on the attached detail drawings. The laying, construction, maintenance and/or repair of the proposed installation shall be subject to "A Revised Order Regulating the Laying, Construction, Maintenance and/or Repair of Cables, Conduits, and/or 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 Commissioners Court of Fort Bend County, Texas, dated the 3rd. day of August, 1987, recorded in Volume 639 of the Minutes of the Commissioners Court of Fort Bend County, Texas.

Written notices are required: 1) 48 hours in advance of start of construction and
2) when construction is complete and ready for final inspection.

Mail to: Permit Administrator/Fort Bend County Engineering
P.O. Box 1449, Rosenberg, TX 77471.

Violation of requirements shall constitute grounds for job shut down.

COMPANY NAME: T CONSTRUCTION, LLC
AGENT and/or OWNER

(Signature)

NAME & TITLE Jose Rangel, Vice President
(Please Print)

DATE 4/3/2013

ADDRESS 12605 McNair St.
(Street/P.O. Box)

Houston, TX. 77015
City State Zip

TELEPHONE NO (281) 818-9635
(accessible 24 hrs/day, 7 days/week)

Does project comply with Fort Bend County Outdoor Lighting Ordinance?

Yes (✓)

No ( )

**NOTICE OF PROPOSED CABLE, CONDUIT AND/OR POLE LINE ACTIVITY IN, UNDER, ACROSS OR ALONG ROADS, STREETS, HIGHWAYS AND DRAINAGE DITCHES IN FORT BEND COUNTY**

APPLICANT'S JOB NO. 0601-143-00

PERMIT No. _____ PCT. No. _____

BOND No. 022-044-251

Formal notice is hereby given that T CONSTRUCTION, LLC proposes to lay, construct, maintain and/or repair cable, conduit and/or pole line, in, under, across, or along roads, streets, highways and drainage ditches in Fort Bend County, as follows:

**In, Under, or Across Roads and/or Drainage Ditches**

| Road or Ditch Name | Distance & Direction From Nearest Intersection | Length of Crossing | Type of Construction Bored: Jacked: Driven: Cased |
|---|---|---|---|
| CHARLMONT DR. | 24' WEST OF WOODLEIGH DR. | 37' | OPEN CUT CONSTRUCTION - 48" STM. |
| CHARLMONT DR. | 40' EAST OF WOODLEIGH DR. | 40' | OPEN CUT CONSTRUCTION - 36" STM. |
| | | | |

**Along Roads and/or Drainage Ditches**

| Road or Ditch Name | Distance & Direction From Nearest Intersection | To | Distance |
|---|---|---|---|
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**General Description**

The Location and description of the proposed installation and appurtenances is more fully shown on the attached detail drawings. The laying, construction, maintenance and/or repair of the proposed installation shall be subject to "A Revised Order Regulating the Laying, Construction, Maintenance and/or Repair of Cables, Conduits, and/or 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 Commissioners Court of Fort Bend County, Texas, dated the 3rd. day of August, 1987, recorded in Volume 639 of the Minutes of the Commissioners Court of Fort Bend County, Texas.

Written notices are required: 1) 48 hours in advance of start of construction and
2) when construction is complete and ready for final inspection.

Mail to: Permit Administrator/Fort Bend County Engineering
P.O. Box 1449, Rosenberg, TX 77471.

Violation of requirements shall constitute grounds for job shut down.

COMPANY NAME: T CONSTRUCTION, LLC
AGENT and/or OWNER

(Signature)

NAME & TITLE Jose Rangel, VICE PRESIDENT
(Please Print)

DATE 4/15/13

ADDRESS 12605 MCNAIR ST.
(Street/P.O. Box)

HOUSTON, TX. 77015
City State Zip

TELEPHONE NO: (281) 818-9635
(accessible 24 hrs/day, 7 days/week)

Does project comply with Fort Bend County Outdoor Lighting Ordinance?

Yes ( )

No ( )

**NOTICE OF PROPOSED CABLE, CONDUIT AND/OR POLE LINE ACTIVITY IN, UNDER, ACROSS OR ALONG ROADS, STREETS, HIGHWAYS AND DRAINAGE DITCHES IN FORT BEND COUNTY**

APPLICANT'S JOB NO. 0601-143-00

PERMIT No. _____ PCT. No. _____

BOND No. 022-044-251

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**In, Under, or Across Roads and/or Drainage Ditches**

| Road or Ditch Name | Distance & Direction From Nearest Intersection | Length of Crossing | Type of Construction Bored: Jacked: Driven: Cased |
|---|---|---|---|
| STANBRIDGE DR. | 100' EAST FR. WOODLEIGH DR. | 40' | OPEN CUT CONSTRUCTION - 54" STM. |
| WOODLEIGH DR. | 34' NORTH FR. STANBRIDGE DR. | 40' | OPEN CUT CONSTRUCTION - 48" STM. |
| WOODLEIGH DR. | 28' SOUTH FR. CHARLMONT DR. | 26' | OPEN CUT CONSTRUCTION - 42" STM. |

**Along Roads and/or Drainage Ditches**

| Road or Ditch Name | Distance & Direction From Nearest Intersection | To | Distance |
|---|---|---|---|
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**General Description**

The Location and description of the proposed installation and appurtenances is more fully shown on the attached detail drawings. The laying, construction, maintenance and/or repair of the proposed installation shall be subject to "A Revised Order Regulating the Laying, Construction, Maintenance and/or Repair of Cables, Conduits, and/or 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 Commissioners Court of Fort Bend County, Texas, dated the 3rd. day of August, 1987, recorded in Volume 639 of the Minutes of the Commissioners Court of Fort Bend County, Texas.

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2) when construction is complete and ready for final inspection.

Mail to: Permit Administrator/Fort Bend County Engineering
P.O. Box 1449, Rosenberg, TX 77471.

Violation of requirements shall constitute grounds for job shut down.

COMPANY NAME: T CONSTRUCTION, LLC
AGENT and/or OWNER

(Signature)

NAME & TITLE Jose Rangel, Vice President
(Please Print)

DATE 4/15/13

ADDRESS 12605 McNAIR ST.
(Street/P.O. Box)

HOUSTON, TX. 77015
City State Zip

TELEPHONE NO: (281) 818-9635
(accessible 24 hrs/day, 7 days/week)

Does project comply with Fort Bend County Outdoor Lighting Ordinance?

Yes ( )

No ( )

**NOTICE OF PROPOSED CABLE, CONDUIT AND/OR POLE LINE ACTIVITY**
**IN, UNDER, ACROSS OR ALONG ROADS, STREETS, HIGHWAYS AND DRAINAGE DITCHES**
**IN FORT BEND COUNTY**

APPLICANT'S JOB NO. 0601-143-00

PERMIT No. _____ PCT. No. _____

BOND No. 022-044-251

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**In, Under, or Across Roads and/or Drainage Ditches**

| Road or Ditch Name | Distance & Direction From Nearest Intersection | Length of Crossing | Type of Construction Bored: Jacked: Driven: Cased |
|---|---|---|---|
| EARLSWOOD DR. | 24' WEST of WOODLEIGH DR. | 26' | OPEN CUT CONSTRUCTION - 36" STM. |
| SABASTIAN DR. | 20' WEST of WOODLEIGH DR. | 26' | OPEN CUT CONSTRUCTION - 36" STM. |
| CHESNEY DOWNS DR. | 20' WEST of WOODLEIGH DR. | 26' | OPEN CUT CONSTRUCTION - 36" STM. |

**Along Roads and/or Drainage Ditches**

| Road or Ditch Name | Distance & Direction From Nearest Intersection | To | Distance |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

**General Description**

The Location and description of the proposed installation and appurtenances is more fully shown on the attached detail drawings. The laying, construction, maintenance and/or repair of the proposed installation shall be subject to "A Revised Order Regulating the Laying, Construction, Maintenance and/or Repair of Cables, Conduits, and/or 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 Commissioners Court of Fort Bend County, Texas, dated the 3rd. day of August, 1987, recorded in Volume 639 of the Minutes of the Commissioners Court of Fort Bend County, Texas.

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Mail to: Permit Administrator/Fort Bend County Engineering
P.O. Box 1449, Rosenberg, TX 77471.

Violation of requirements shall constitute grounds for job shut down.

COMPANY NAME: T CONSTRUCTION, LLC
AGENT and/or OWNER

(Signature)

NAME & TITLE Jose Rangel, VICE PRESIDENT
(Please Print)

DATE 4/16/13

ADDRESS 12605 McNAIR ST.
(Street/P.O. Box)

HOUSTON, TX. 77015
City State Zip

TELEPHONE NO: (281) 818-9635
(accessible 24 hrs/day, 7 days/week)

**Does project comply with Fort Bend County Outdoor Lighting Ordinance?**

Yes ( )

No ( )

**NOTICE OF PROPOSED CABLE, CONDUIT AND/OR POLE LINE ACTIVITY IN, UNDER, ACROSS OR ALONG ROADS, STREETS, HIGHWAYS AND DRAINAGE DITCHES IN FORT BEND COUNTY**

APPLICANT'S JOB NO. 0601-143-00

PERMIT No. _____ PCT. No. _____

BOND No. 022-044-251

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**In, Under, or Across Roads and/or Drainage Ditches**

| Road or Ditch Name | Distance & Direction From Nearest Intersection | Length of Crossing | Type of Construction Bored: Jacked: Driven: Cased |
|---|---|---|---|
| KNIGHTSWAY DR. | 24' WEST of WOODLEIGH DR. | 26' | OPEN CUT CONSTRUCTION, - 42" STM. |
| EAGLESWOOD DR. | 24' WEST of WOODLEIGH DR. | 26' | OPEN CUT CONSTRUCTION - 42" STM. |
| | | | |

**Along Roads and/or Drainage Ditches**

| Road or Ditch Name | Distance & Direction From Nearest Intersection | To | Distance |
|---|---|---|---|
| | | | |
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**General Description**

The Location and description of the proposed installation and appurtenances is more fully shown on the attached detail drawings. The laying, construction, maintenance and/or repair of the proposed installation shall be subject to "A Revised Order Regulating the Laying, Construction, Maintenance and/or Repair of Cables, Conduits, and/or 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 Commissioners Court of Fort Bend County, Texas, dated the 3rd. day of August, 1987, recorded in Volume 639 of the Minutes of the Commissioners Court of Fort Bend County, Texas.

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P.O. Box 1449, Rosenberg, TX 77471.

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COMPANY NAME: T CONSTRUCTION, LLC
AGENT and/or OWNER

(Signature)

NAME & TITLE Jose Rangel, VICE PRESIDENT
(Please Print)

DATE 4/16/13

ADDRESS 12605 MCNALL ST.
(Street/P.O. Box)

HOUSTON, TX. 77015
City State Zip

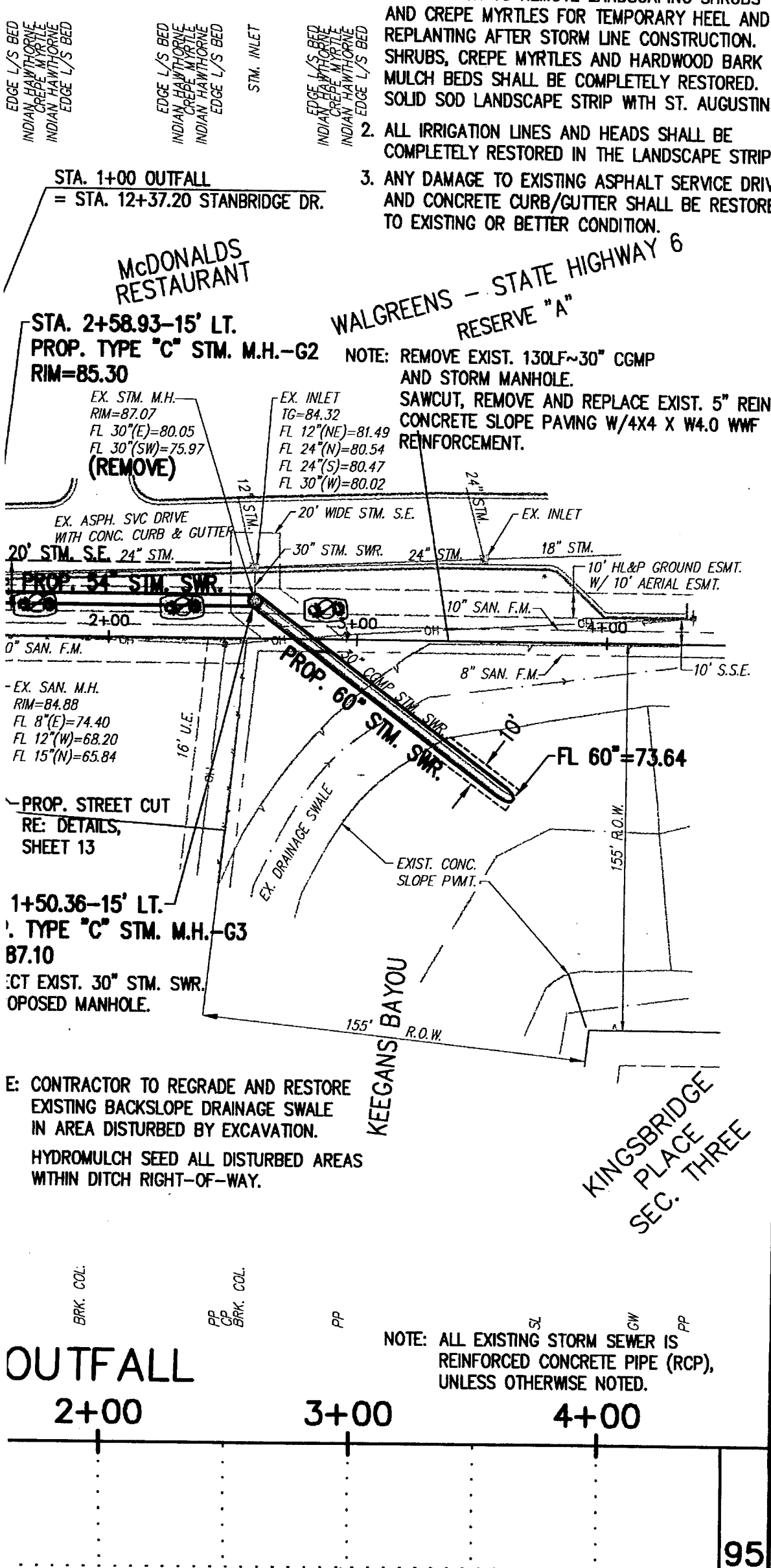
TELEPHONE NO: (281) 818-9635
(accessible 24 hrs/day, 7 days/week)

Does project comply with Fort Bend County Outdoor Lighting Ordinance?

Yes ( )

No ( )

NOTES:
1. CONTRACTOR TO REMOVE LANDSCAPING SHRUBS AND CREPE MYRTLES FOR TEMPORARY HEEL AND REPLANTING AFTER STORM LINE CONSTRUCTION. SHRUBS, CREPE MYRTLES AND HARDWOOD BARK MULCH BEDS SHALL BE COMPLETELY RESTORED. SOLID SOD LANDSCAPE STRIP WITH ST. AUGUSTINE.
2. ALL IRRIGATION LINES AND HEADS SHALL BE COMPLETELY RESTORED IN THE LANDSCAPE STRIP.
3. ANY DAMAGE TO EXISTING ASPHALT SERVICE DRIVE AND CONCRETE CURB/GUTTER SHALL BE RESTORED TO EXISTING OR BETTER CONDITION.




## BENCH MARK

BENCHMARK – FLOOD PLAIN REFERENCE MARK NO. 040450, BEING A BRASS DISK LOCATED ON THE ON THE EAST SIDEWALK AT THE NORTHEAST CORNER OF THE ROCKY VALLEY ROAD BRIDGE OVER KEEGANS BAYOU. ELEVATION = 88.357 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-1: SQUARE BOX CUT IN TOP OF CURB ON NORTH SIDE OF STANBRIDGE DRIVE, 5 FEET WEST OF THE CONCRETE ACCESS DRIVEWAY INTO THE LIFT STATION SITE AT 14624 STANBRIDGE DR. ELEVATION = 84.04 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-2: "X" CUT IN CONCRETE AT CL-CL INTERSECTION OF STANBRIDGE DRIVE AND WOODLEIGH DRIVE. ELEVATION = 84.50 FEET, NAVD 1988, 2001 ADJUSTMENT.

## FLOOD PLAIN INFORMATION:

THIS PROJECT LIES WITHIN ZONE "X" (UNSHADED), AREAS OUTSIDE THE 500-YEAR FLOOD PLAIN AS PER THE CURRENT FEMA F.I.R.M., DATED JANUARY 3, 1997, COMMUNITY PANEL NUMBER 4815670120 J.

### NOTIFICATIONS

CONTRACTOR SHALL NOTIFY THE FOLLOWING ENTITIES 48 HOURS IN ADVANCE OF COMMENCING CONSTRUCTION:

1. UTILITY COORDINATING COMMITTEE 713/223-4567
2. KINGSBRIDGE M.U.D.
   MR. MIKE MALCOLM-HICKS 713/977-4700
   MR. RICK VANDYKE, P.E. 832/490-1500
3. WEST KEEGANS BAYOU IMPROVEMENT DISTRICT
   MR. BOB WEMPE, P.E. 713/267-3189
4. FORT BEND COUNTY DRAINAGE DISTRICT
   MR. DWAYNE GRIGAR 281/342-2863
5. FORT BEND COUNTY ENGINEERING DEPARTMENT
   MR. DEWAYNE DAVIS 281/633-7513

DEMOLITION NOTES:

1. SAWCUT, REMOVE AND REPLACE EXIST. 6" CONC. DRIVEWAYS AND 4" CONC. SIDEWALKS MINIMUM 3' CENTERED ON PROPOSED STORM SEWER OR TO NEAREST EXIST. JOINT. REPLACE DRIVEWAYS OUT TO STREET OR AS INDICATED. RE: SHEET 11.
2. LEAVE MIN. 18" EXIST. REINFORCING STEEL EXPOSED FOR TYING TO PROP. REPLACEMENT CONC.
3. USE CARE NEXT TO EXIST. TREES NOT TO SCRAPE OR DAMAGE TRUNKS. PRUNE LIMBS TO PROVIDE CLEARANCE FOR PIPE EXCAVATION AND INSTALLATION. CUT ROOTS CLEANLY WHEN ENCOUNTERED.
4. REMOVE EXIST. MAILBOXES WHERE NECESSARY FOR CONSTRUCTION. TEMPORARILY REINSTALL WHERE PRACTICAL OR PROVIDE TEMPORARY U.S. MAIL BOX ON STANDARD IF AREA IS DISTURBED FOR MORE THAN 24 HOURS.
5. REMOVE AND REPLACE EXIST. WOOD FENCING AND GATES FROM EASEMENT WORK AREA WHERE REQUIRED. REPLACE WITH NEW POSTS, PICKETS AND ROT BOARD TO MATCH EXIST. FENCE. REINSTALL GATES WHERE PRACTICAL. PROVIDE TEMPORARY FENCING (CHAINLINK OR FIELD FENCE) DURING CONSTRUCTION.

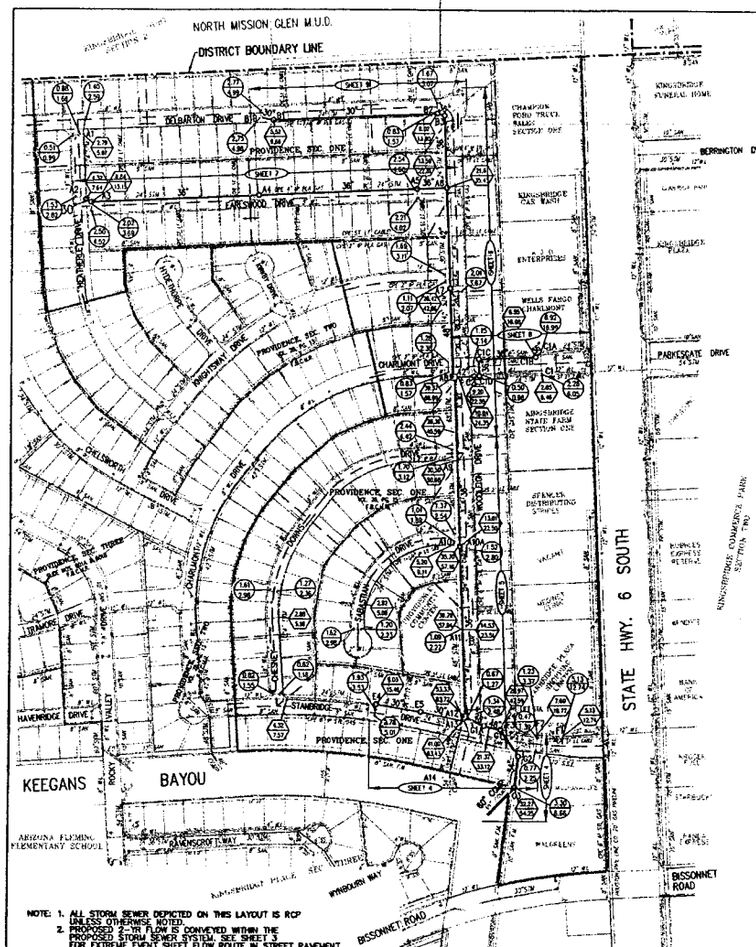
STATE OF TEXAS
DAVID E. MILLER
56716
REGISTERED PROFESSIONAL ENGINEER
David E. M
15 JAN. 2013
(SEAL)


MILLER & ASSOCIATES
Consulting • Engineers • Surveying
Firm No. F-3240
3664 Walnut Bend Lane • Suite C100 • Houston, Texas 77042-4851
Phone 713/977-4700 Fax 713/977-4701


## NOTICE:

AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION (713)-223-4567.

PRIVATE UTILITY LINES SHOWN




NOTE: 1. ALL STORM SEWER DEPICTED ON THIS LAYOUT IS RCP UNLESS OTHERWISE NOTED.
2. PROPOSED 2-YR FLOW IS CONVEYED WITHIN THE PROPOSED STORM SEWER SYSTEM. SEE SHEET 3 FOR EXTREME EVENT SHEET FLOW ROUTE IN STREET PAVEMENT.

## LEGEND

| | EXISTING | PROPOSED |
|---|---|---|
| WATER LINE | | |
| WATER VALVE | | |
| FIRE HYDRANT | | |
| SANITARY SEWER LINE | | |
| SANITARY SEWER MANHOLE | | |
| SANITARY SEWER STACK | | |
| SANITARY SEWER FORCE MAIN | | |
| STORM SEWER LINE | | 24" STM. SWR. |
| STORM SEWER LINE | | 30" + STM. SWR. |
| STORM SEWER MANHOLE | | |
| STORM SEWER INLETS | | "B-8" "C-1" |
| CPE GAS LINE | | |
| CPE STREET LIGHT CABLE | | |
| SHEET LOCATION | | SHEET 3 |
| SAWCUT | | |

## STORM DRAINAGE LEGEND:

| | |
|---|---|
| DRAINAGE AREA BOUNDARY | |
| DRAINAGE SUBAREA | |
| DRAINAGE AREA AND RUNOFF | SUBAREA, RUNOFF; CONTRIBUTING FLOW (CFS) |
| DRAINAGE DATA | HGRC; DRAINAGE AREA (AC); RUNOFF (CFS) |
| FLOW DIRECTION | |
| MANHOLE NO. | A1 |
| PROPOSED STORM SEWER SIZE | 42" |

TEXAS EXCAVATION SAFETY SYSTEM
Call: TOLL FREE
1-800 344-8377
TWO WORKING DAYS BEFORE YOU DIG

SCALE IN FEET: 0 200 400

## ABBREVIATIONS

| | |
|---|---|
| CPE | CENTERPOINT ENERGY |
| STM. | STORM SEWER LINE |
| W.L. | WATER LINE |
| SAN. | SANITARY SEWER LINE |
| SAN. F.M. | SANITARY SEWER FORCE MAIN |
| STM. S.E. | STORM SEWER EASEMENT |
| W.L.E. | WATER LINE EASEMENT |
| S.S.E. | SANITARY SEWER EASEMENT |
| R.O.W. | RIGHT-OF-WAY |
| B.L. | BUILDING LINE |
| U.E. | UTILITY EASEMENT |
| R.O.W. | RIGHT-OF-WAY |
| B.L. | BUILDING LINE |
| SVC | SERVICE LINE (GAS OR WATER) |

## GENERAL CONSTRUCTION NOTES

1. WATER LINES, WASTEWATER COLLECTION SYSTEMS, AND DRAINAGE SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING'S "STANDARD CONSTRUCTION SPECIFICATIONS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE, STREET PAVING AND TRAFFIC" DATED JULY 1, 2012 AND THE CITY OF HOUSTON "STANDARD DETAILS" DATED JULY, 2012 UNLESS OTHERWISE NOTED AND APPROVED ON THESE PLANS. THE DESIGN IS CONSISTENT WITH THE MINIMUM STANDARDS ESTABLISHED IN THE "INFRASTRUCTURE DESIGN" MANUAL DATED JULY 1, 2012.
2. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY FORT BEND COUNTY PRIOR TO COMMENCING WORK. CONTACT MR. ANDRES ORTEGA AT 281/633-7502.
3. CONTRACTOR SHALL CONTACT THE DISTRICT OPERATOR, D ENVIRONMENTAL, L.L.C (KINGSBRIDGE M.U.D.) AT 832/400-1010, TWO WORKING DAYS PRIOR TO CONSTRUCTION.
4. GUIDELINES SET FORTH IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" SHALL BE OBSERVED.
5. EXISTING PAVEMENTS, CURBS, SIDEWALKS AND DRIVEWAYS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED TO FORT BEND COUNTY STANDARDS, WITH LATEST ADDENDA AND AMENDMENTS THERETO.
6. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE TO THE PUBLIC OR PRIVATE UTILITY LINES DURING CONSTRUCTION. ALL DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING "STANDARD CONSTRUCTION SPECIFICATIONS" WITH LATEST ADDENDA AND AMENDMENTS THERETO, WITH NO COST TO THE PUBLIC.
7. 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.
8. CONTRACTOR SHALL COMPLY WITH OSHA REGULATIONS AND STATE OF TEXAS LAWS CONCERNING EXCAVATION, TRENCHING AND SHORING AS SPECIFIED IN CITY OF HOUSTON ORDINANCE #87-1457.
9. CONTRACTOR SHALL NOTIFY: TEXAS ONE CALL AT 713-223-4087/800-245-4545; LONE STAR ONE CALL AT 800-669-8344; AND THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING CONSTRUCTION DIVISION AT 713-863-7400 AT LEAST TWO FULL WORKING WEEKDAYS (M-F) BEFORE STARTING WORK IN PUBLIC STREET RIGHT-OF-WAYS AND/OR EASEMENTS.
10. ALL EXISTING UTILITIES INDICATED ON THESE DRAWINGS ARE SHOWN AT THE APPROXIMATE LOCATIONS BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL FIELD DETERMINE THE EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION. HE SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND MAINTAIN THESE UNDERGROUND UTILITIES.

## STORM SEWER CONSTRUCTION NOTES

1. STORM SEWERS SHALL BE REINFORCED CONCRETE PIPE (C-76, CLASS II), AND SHALL BE INSTALLED, BEDDED, AND BACKFILLED IN ACCORDANCE WITH THE CITY OF HOUSTON DRAWING NOS. 02317-02, 02317-03, 02317-05, 02317-06, AND 02317-07 (OCT. 2002) AS APPLICABLE UNLESS SHOWN ON THE DRAWINGS.
2. ALL STORM SEWER CONSTRUCTION IN 30FOOT EASEMENT SHALL BE R.C.P. (C-76, CLASS II) AND SHALL BE DESIGED IN ACCORDANCE WITH THE CITY OF HOUSTON DRAWING NOS. 02317-02, 02317-03, 02317-05, 02317-06, AND 02317-07 AS APPLICABLE.
3. ALL SEWER UNDER PROPOSED OR FUTURE PAVEMENT AND TO A POINT ONE (1) FOOT BACK OF ALL PROPOSED OR FUTURE CURBS SHALL BE BACKFILLED WITH 1-1/2 SACK CEMENT/C.Y. STABILIZED SAND TO WITHIN ONE (1) FOOT OF SUBGRADE THE REMAINING DEPTH OF TRENCH SHALL BE BACKFILLED WITH SUITABLE EARTH MATERIAL.
4. ALL TRENCH BACKFILLS SHALL BE IN 8" LIFTS WITH TESTS TAKEN AT 100 FOOT INTERVALS ON EACH LIFT AND MECHANICALLY COMPACTED TO A DENSITY OF NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR COMPACTION TEST (ASTM D-698/AASHTO T99).
5. CIRCULAR AND ELLIPTICAL REINFORCED CONCRETE PIPE SHALL BE INSTALLED USING RUBBER GASKET JOINTS CONFORMING TO ASTM C443 AND ASTM C877 RESPECTIVELY.
6. ALL STORM SEWER PIPES AND INLET LEADS SHALL BE 24-INCH AND LARGER R.C.P. (C-76, CLASS II).
7. ALL PROPOSED PIPE STUB-OUTS FROM MANHOLES AND INLETS ARE TO BE PLUGGED WITH 8" BRICK WALLS UNLESS OTHERWISE NOTED.
8. CONTRACTOR SHALL PROVIDE 12" MINIMUM CLEARANCE AT STORM SEWER AND WATER LINE CROSSINGS.
9. ADJUST MANHOLE COVERS TO GRADE CONFORMING TO REQUIREMENTS OF SECTION 02006 - ADJUSTING MANHOLES, INLETS AND VALVE BOXES TO GRADE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, MAINTAINING, AND RESTORING ANY BACK SLOPE DRAINAGE SYSTEM DISTURBED AS A RESULT OF HIS WORK.
11. ALL DITCHES SHALL BE REGRADED TO PROPOSED ELEVATIONS TO INSURE PROPER DRAINAGE. ALL OUTFALLS SHALL BE PROPERLY BACKFILLED AND COMPACTED. ALL DISTURBED AREA SHALL BE REGRADED, SEEDED, AND FERTILIZED.
12. ALL DRIVEWAYS WILL BE LOCATED TO AVOID EXISTING CURB INLET STRUCTURES.

## PAVING CONSTRUCTION NOTES

1. ALL PAVING CONSTRUCTION WITHIN FORT BEND COUNTY SHALL BE IN ACCORDANCE WITH FORT BEND COUNTY DESIGN REQUIREMENTS. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE TEXAS STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION STANDARD SPECIFICATIONS, 2004 EDITION AND CURRENT AMENDMENTS, AND THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2001 AS CURRENTLY AMENDED.
2. ALL RETURNS SHALL HAVE 25' RADIUS AT FACE OF CURB AND HAVE A MINIMUM 1% SLOPE UNLESS OTHERWISE NOTED.
3. AREAS TO BE FILLED AS INDICATED ON PLANS SHALL BE PLACED IN MAXIMUM 8" LIFTS AND COMPACTED TO 95% PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT AS PER ASTM D-698. FILL MATERIAL SHALL BE CLEAN EARTH AND FREE FROM TRASH, STONES, ROOTS AND ALL OTHER DELETERIOUS MATERIALS. COMPACTION TEST REPORTS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO PLACEMENT OR REPLACEMENT OF PAVEMENT.
4. WHEN PROPOSED NEW 8" CONCRETE STREET PAVEMENT INTERSECTS PROPOSED NEW 7" CONCRETE STREET PAVEMENT, 7" CONCRETE SHALL BE CONSTRUCTED TO ENDS OF ALL CURB RETURNS.
5. EXISTING PAVEMENT, CURBS, SIDEWALKS AND DRIVEWAYS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO ORIGINAL CONDITION IN ACCORDANCE WITH THE GOVERNING COUNTY'S STANDARDS. NO EXTRA PAY.
6. A BLUE REFLECTORIZED BUTTON SHALL BE INSTALLED AT ALL FIRE HYDRANT LOCATIONS AT 8" OFFSET FROM PAVEMENT CENTERLINE TOWARD HYDRANT, REFLECTORS FACING TRAFFIC.
7. CONTRACTOR SHALL NOTIFY FORT BEND COUNTY ENGINEER'S OFFICE AT 281-633-7501 AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK, AND 24 HOURS PRIOR TO ANY AND ALL CONCRETE POURS AND TESTING OF SUBGRADE. CONTRACTOR TO FOLLOW UP WITH LETTER EXPECTED TO ENGINEER.
8. WHERE PROPOSED PAVEMENT IS TO MATCH EXISTING PAVEMENT, EXISTING REBAR OR DOWELS SHALL BE CLEANED AND BED INTO PROPOSED PAVEMENT. MINIMUM 44 BAR DIAMETER LAPS. WHERE PROPOSED CONCRETE ENDS AT A CONSTRUCTION JOINT OR EXPANSION JOINT, EXTEND REBAR A MINIMUM OF 44 BAR DIAMETER LAPS, COAT WITH ASPHALT AND WRAP.
9. TRANSVERSE EXPANSION JOINTS SHALL BE INSTALLED AT ALL RADIUS RETURNS AND MAXIMUM SPACING OF 80 FEET. LOAD TRANSFERS DEVICES (3/4" X 18" LONG DOWELS FOR 6" PAVEMENT AND 1" X 18" LONG DOWELS FOR 7" AND 8" PAVEMENTS) SHALL BE SPACED AT 12" C-C.
10. MAXIMUM SPACING BETWEEN LONGITUDINAL JOINTS NOT TO EXCEED 15' (FIFTEEN FEET). DEFORMED METAL STRIP TO BE INSTALLED MAXIMUM 1/2" BELOW FINISHED TOP OF PAVEMENT.
11. 6", 7", AND 8" PAVEMENT SHALL BE 3.5 SACK CONCRETE REINFORCED WITH #4 BARS EACH WAY AT A MAXIMUM OF 18" C-C (LONGITUDINAL) AND 24" C-C (TRANSVERSE).
12. ALL CONCRETE PAVEMENT TO BE 6" THICK UNLESS OTHERWISE SHOWN. CONCRETE PAVEMENT TO BE 3.5 SACK MIX, 550 PSI FLEXURAL STRENGTH AT 7 DAYS, AND 3000 PSI COMPRESSIVE STRENGTH AT 28 DAYS. REINFORCING STEEL TO CONFORM TO A.S.T.M. A-96-54T AND A-305-53T. PROVIDE MINIMUM 15" LAPS. TEST CONCRETE SPECIMEN IN ACCORDANCE WITH A.S.T.M. C-293 AND C-42. ALL REINFORCING STEEL TO BE GRADE 60.
13. DRIVEWAYS AND SIDEWALKS IN FORT BEND COUNTY SHALL BE BUILT IN ACCORDANCE WITH FORT BEND COUNTY DESIGN STANDARDS. ALL INTERSECTIONS SHALL BE CONSTRUCTED WITH WHEEL CHAIR RAMPS. LANE BUTTON SPACING AND LAYOUT SHALL BE IN ACCORDANCE WITH FORT BEND COUNTY STANDARDS. SIDEWALKS SHALL BE BUILT IN ACCORDANCE WITH THE GOVERNOR'S OFFICE OF TRAFFIC SAFETY MEMORANDUM, DATED MAY 6, 1978 (HIGHWAY SAFETY ACT, 1973, SECT. 208).
14. ALL PAVING DIMENSIONS SHALL BE FACE OF CURB, UNLESS OTHERWISE NOTED.
15. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED AND INSTALLED BY PAVING CONTRACTOR AS PER TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS CURRENTLY AMENDED.
16. CONCRETE WASH OUT FACILITIES ARE TO BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. UNDER NO CIRCUMSTANCES IS CONTRACTOR TO PERMIT CONCRETE WASH OUT AT ANY OTHER THAN A DESIGNATED SITE.
17. SAWCUT 3" DEEP JOINT AND EXPOSE 44 BAR DIAMETER REINFORCING STEEL WHERE SAWCUTS ARE INDICATED ON PLANS.
18. EXCAVATE, COMPACT SUBGRADE TO 95% PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT ASTM D-698, PLACE & COMPACT 6" (MIN.) CEMENT STABILIZED SAND WHERE STREET PAVEMENT REPLACEMENT IS INDICATED ON PLANS PRIOR TO REPLACING STREET PAVEMENTS.

## KINGSBRIDGE M.U.D. STORM SEWER NOTES

1. CONTRACTOR TO MAINTAIN ADEQUATE DRAINAGE AT ALL TIMES DURING CONSTRUCTION, INCLUDING INTERIM MEASURES (E.G., SLEEVE PIPES, SHORING) TO CONNECT EXISTING STORM SEWERS WITH PROPOSED CONSTRUCTION DURING SCHEDULING OF EXISTING STORM SEWERS.
2. ALL PROPOSED STORM SEWER MANHOLES SHALL BE CITY OF HOUSTON TYPE "C" UNLESS OTHERWISE NOTED.

## BENCH MARK

BENCHMARK - FLOOD PLAIN REFERENCE MARK NO. 8404958, BEING A BRASS DISK LOCATED ON THE ON THE EAST SIDEWALK AT THE NORTHEAST CORNER OF THE ROCKY VALLEY ROAD BRIDGE OVER KEEGANS BAYOU. ELEVATION = 88.357 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-1: SQUARE BOX CUT IN TOP OF CURB ON NORTH SIDE OF STANBRIDGE DRIVE, 5 FEET WEST OF THE CONCRETE ACCESS DRIVEWAY INTO THE LEFT STATION SITE AT 14824 STANBRIDGE DR. ELEVATION = 84.84 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-2: "X" CUT IN CONCRETE AT CL-CL INTERSECTION OF STANBRIDGE DRIVE AND WOODLEDGE DRIVE. ELEVATION = 84.50 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-3: TOP OF 1/2" IRON ROD AT CL-CL INTERSECTION OF WOODLEDGE DRIVE AND SHADRAM DRIVE. ELEVATION = 85.03 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-4: "X" IN TOP OF CURB ON THE INLET LOCATED AT THE NORTHEAST CORNER OF WOODLEDGE DRIVE AND GARLMONT DRIVE. ELEVATION = 86.38 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-5: TOP OF NAIL AT CL-CL INTERSECTION OF WOODLEDGE DRIVE AND EARLSWOOD DRIVE. ELEVATION = 87.30 FEET, NAVD 1988, 2001 ADJUSTMENT.

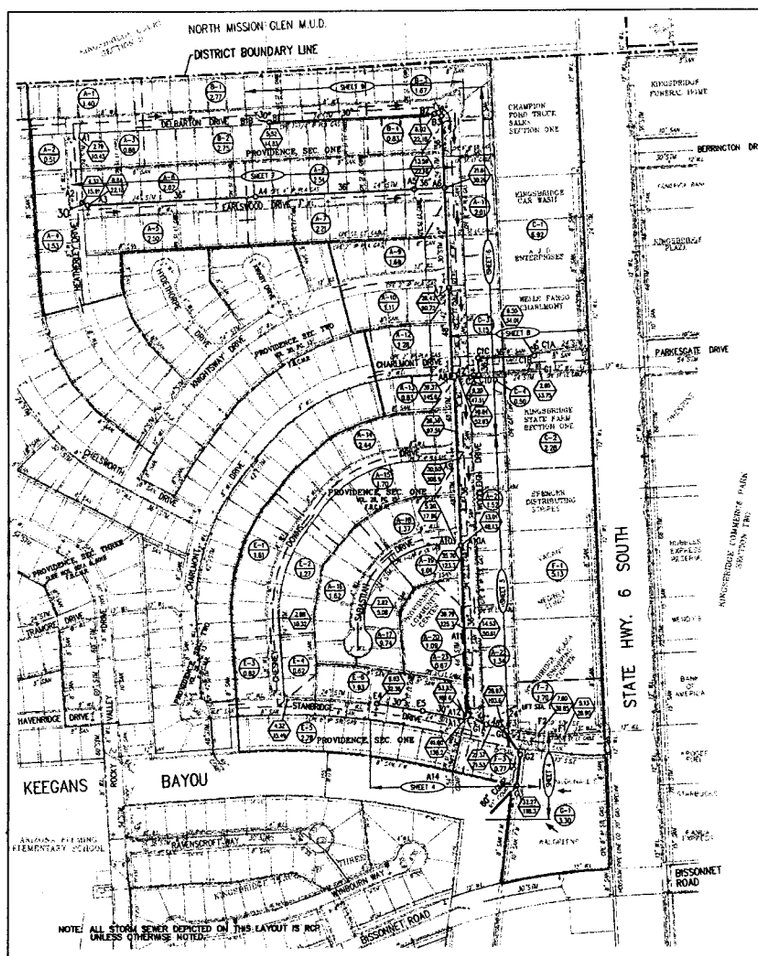
TBM-6: TOP OF 1/2" IRON ROD AT CL-CL INTERSECTION OF WOODLEDGE DRIVE AND BELLERIVE DRIVE. ELEVATION = 87.90 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-7: "X" CUT ON TOP OF INLET ON SOUTH SIDE OF BELLERIVE DRIVE AT 14803 BELLERIVE DRIVE. ELEVATION = 87.58 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-8: "X" CUT CL-CL INTERSECTION OF BELLERIVE DRIVE AT HEATHERLY DRIVE. ELEVATION = 88.11 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-9: TOP OF 1/2" IRON ROD AT CL-CL INTERSECTION OF EARLSWOOD DRIVE AND HEATHERLY DRIVE. ELEVATION = 87.57 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-10: "X" CUT ON TOP OF CURB ON NORTH SIDE OF EAR


NORTH MISSION GLEN M.U.D.
DISTRICT BOUNDARY LINE
DELBARTON DRIVE
PROVIDENCE, SEC. ONE
EARLSWOOD DRIVE
CHARLMONT DRIVE
STANBRIDGE DRIVE
HAVENBRIDGE DRIVE
BISSONNET ROAD
STATE HWY. 6 SOUTH
BERRINGTON DRIVE
PARKESGATE DRIVE
KEEGANS BAYOU
ROCKY VALLEY DRIVE
KINGSBRIDGE FUNERAL HOME
KINGSBRIDGE GAS WAST
KINGSBRIDGE STATE FARM SECTION ONE
KINGSBRIDGE COMMUNITY PARK SECTION TWO
WELLS FARGO (CHARLMONT)
CHAMPION FORD TRUCK SALES SECTION ONE
ARNOLD PRESSLEY ELEMENTARY SCHOOL
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SHEET 7
SHEET 6
SHEET 4
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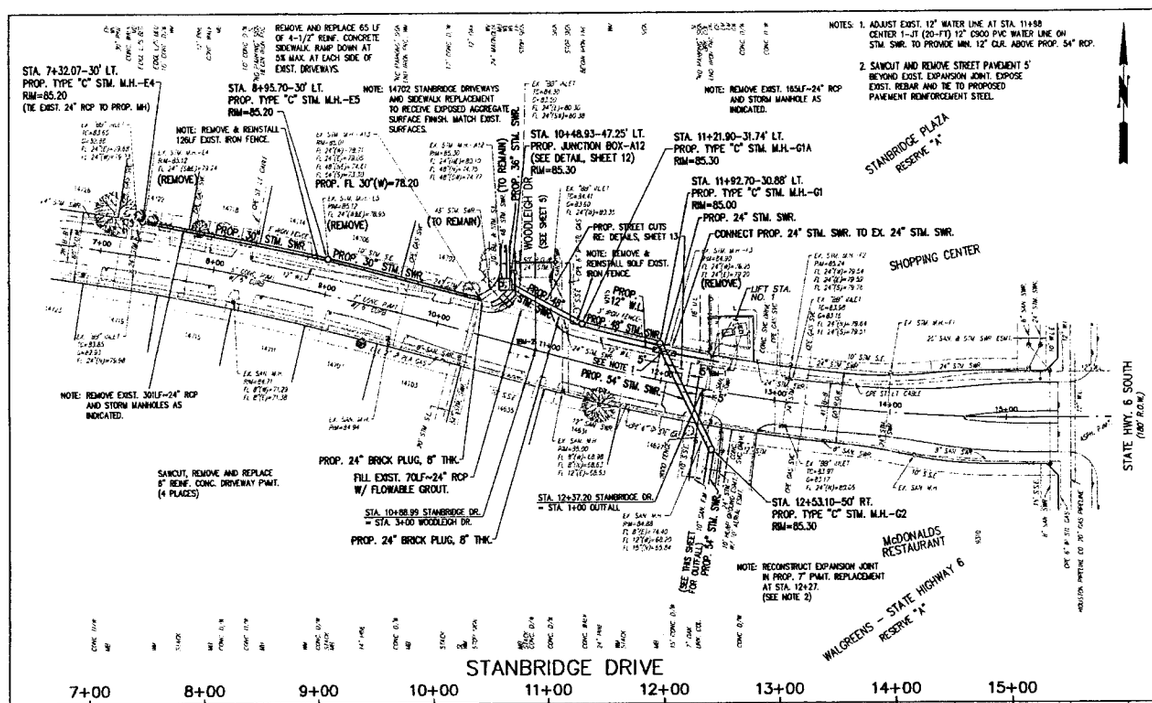
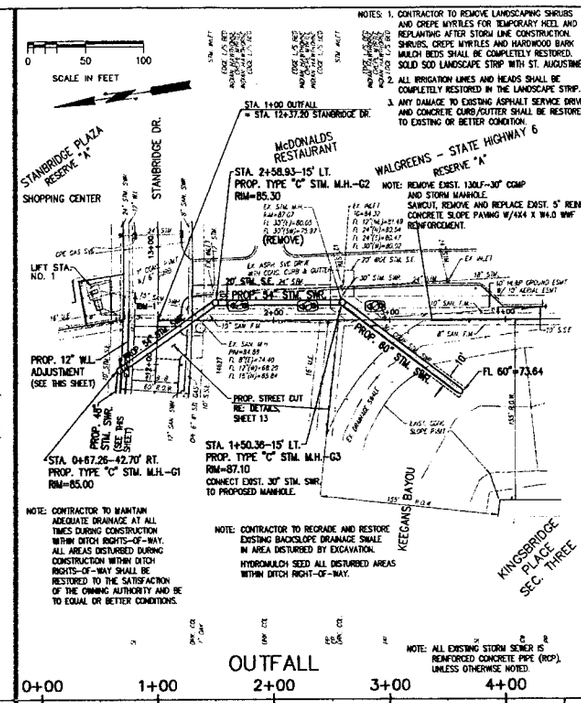
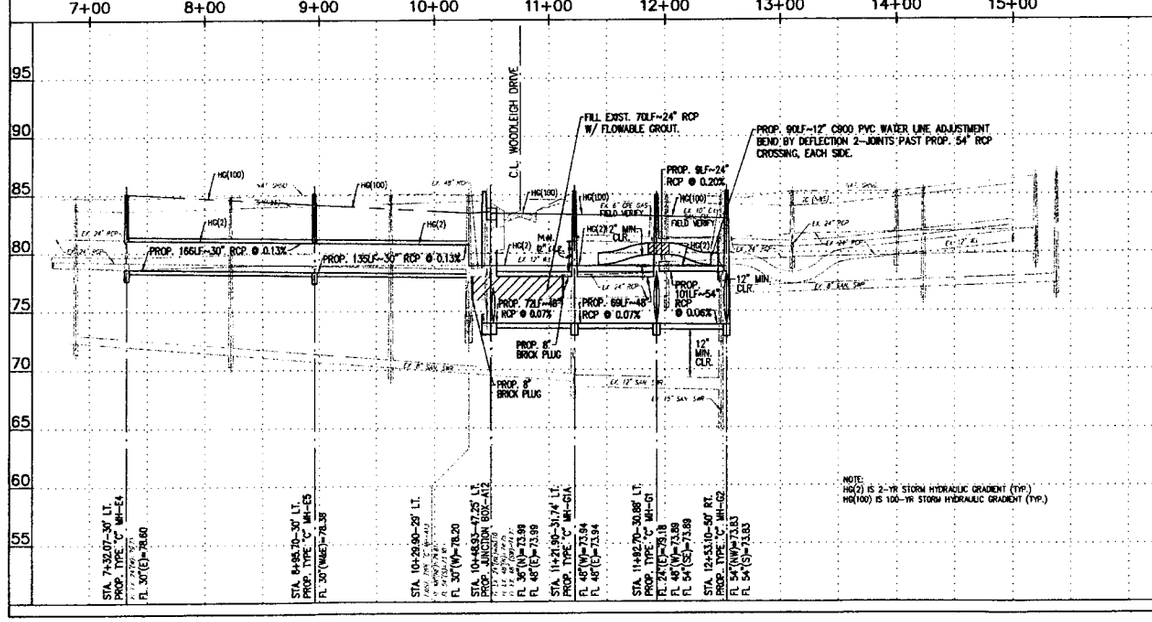
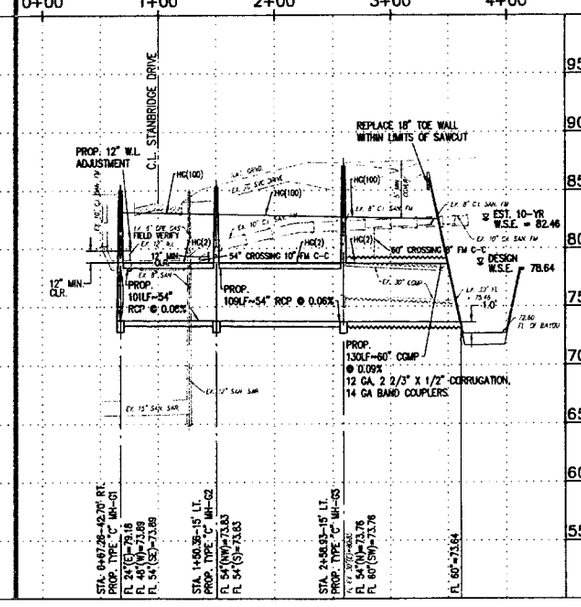



**BENCH MARK**

BENCHMARK - FLOOD PLAIN REFERENCE MARK NO. 8404150, BEING A BRASS DISC LOCATED ON THE ON THE EAST SIDEWALK AT THE NORTHEAST CORNER OF THE BUCCY VALLEY ROAD BRIDGE OVER KEEGANS BAYOU. ELEVATION = 88.357 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-1: SQUARE BOX CUT IN TOP OF CURB ON NORTH SIDE OF STANBRIDGE DRIVE, 5 FEET WEST OF THE CONCRETE ACCESS DRIVEWAY INTO THE LEFT STATION SITE AT 14424 STANBRIDGE DR. ELEVATION = 84.04 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-2: "X" CUT IN CONCRETE AT CL-CL INTERSECTION OF STANBRIDGE DRIVE AND WOODLEIGH DRIVE. ELEVATION = 84.50 FEET, NAVD 1988, 2001 ADJUSTMENT.

**FLOOD PLAIN INFORMATION:**

THIS PROJECT LIES WITHIN ZONE "X" (UNSHADED), AREAS OUTSIDE THE 500-YEAR FLOOD PLAIN AS PER THE CURRENT FEMA F.I.R.M., DATED JANUARY 3, 1997, COMMUNITY PANEL NUMBER 48157C0120 J.

**NOTIFICATIONS**

CONTRACTOR SHALL NOTIFY THE FOLLOWING ENTITIES 48 HOURS IN ADVANCE OF COMMENCING CONSTRUCTION:

1. UTILITY COORDINATING COMMITTEE 713/223-4567
2. HINGSBRIDGE M.U.D.
   MR. MIKE WALDIA-HICKS 713/977-4700
   MR. RICK VANTINE, P.E. 832/460-1500
3. WEST KEEGANS BAYOU IMPROVEMENT DISTRICT
   MR. BOB MEMPE, P.E. 713/267-3181
4. FORT BEND COUNTY DRAINAGE DISTRICT
   MR. DARYNE BIRGAN 281/342-2863
5. FORT BEND COUNTY ENGINEERING DEPARTMENT
   MR. DUANE DAVIS 281/633-7543

**DEMOLITION NOTES:**

1. SAWCUT, REMOVE AND REPLACE EXIST. 8" CONC. DRIVEWAYS AND 4" CONC. SIDEWALKS MINIMUM 3' CENTERED ON PROPOSED STORM SEWER OR TO NEAREST EXIST. JOINT. REPLACE DRIVEWAYS OUT TO STREET OR AS INDICATED. RE: SHEET 11.
2. LEAVE MIN. 18" EXIST. REINFORCING STEEL EXPOSED FOR TYING TO PROP. REPLACEMENT CONC.
3. USE CARE NOT TO EXCEL SINCES NOT TO SCRAPE OR DAMAGE TRUNKS. PRUNE LIMBS TO PROVIDE CLEARANCE FOR PIPE EXCAVATION AND INSTALLATION. CUT ROOTS CLEANLY WHEN ENCOUNTERED.
4. REMOVE EXIST. MAILBOXES WHERE NECESSARY FOR CONSTRUCTION. TEMPORARILY REINSTALL WHERE PRACTICAL OR PROVIDE TEMPORARY M.S. MAIL BOX ON STANDARD 8' AREA IS DISTURBED FOR MORE THAN 24 HOURS.
5. REMOVE AND REPLACE EXIST. WOOD FENCING AND GATES FROM EASEMENT WORK AREA WHERE REQUIRED. REPLACE WITH NEW POSTS, POCKETS AND ROT BOARD TO MATCH EXIST. FENCE. REINSTALL GATES WHERE PRACTICAL. PROVIDE TEMPORARY FENCING (CHAINLINK OR FIELD FENCE) DURING CONSTRUCTION.

DAVID E. MILLER 98718 REGISTERED PROFESSIONAL ENGINEER STATE OF TEXAS
15 Jan. 2013
(SEAL)


MILLER & ASSOCIATES
Consulting • Engineers • Surveying
Firm No. F-3240
2004 Walnut Bend Lane • Suite C100 • Houston, Texas 77043-4801
Phone 713/977-4700 Fax 713/977-4701


**NOTICE:**

AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION (713)-223-4567.

PRIVATE UTILITY LINES SHOWN

CENTERPOINT ENERGY/ELECTRIC FACILITIES (APPROVED ONLY FOR CROSSING UNDERGROUND DUCTLINES, UNLESS OTHERWISE NOTED) VALID AT TIME OF REVIEW ONLY. DATE: 1-17-13

APPROVED FOR AT&T TEXAS/SWBT UNDERGROUND DUCT FACILITIES ONLY. SIGNATURE VALID FOR ONE YEAR. DATE: 1-22-13

CENTERPOINT ENERGY/GAS FACILITIES (GAS SERVICE LINES ARE NOT SHOWN) DATE: 1-17-13

KINGSBRIDGE MUNICIPAL UTILITY DISTRICT
HARRIS AND FORT BEND COUNTIES

PLAN AND PROFILE
STORM SEWER RECONSTRUCTION
WITHIN PROVIDENCE, SECTION ONE
STANBRIDGE DRIVE
STA. 10+88.99 TO STA. 13+00
OUTFALL
STA. 1+00 TO STA. 4+00

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

| | |
|---|---|
| WATER | 1-24-13 TRAFFIC & TRANSPORTATION |
| WASTEWATER | 1-24-13 STORM WATER QUALITY |
| STORM | FIGURES |
| STREET & ROADWAY | |

FILE NO:

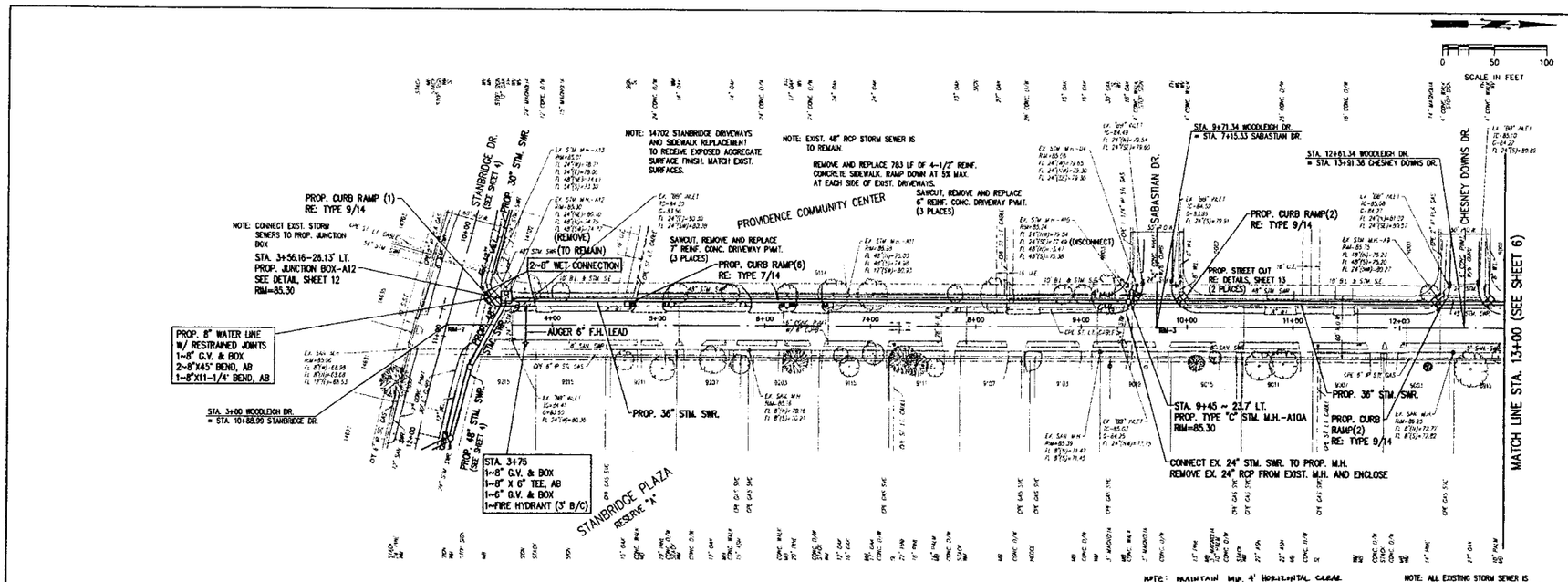
FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE
HORZ: 1" = 50'
VERT: 1" = 5'

SHEET No: 4 OF 15

APPROVED AND FILED 50144 CITY COMPTROLLER HOUSTON, TEXAS

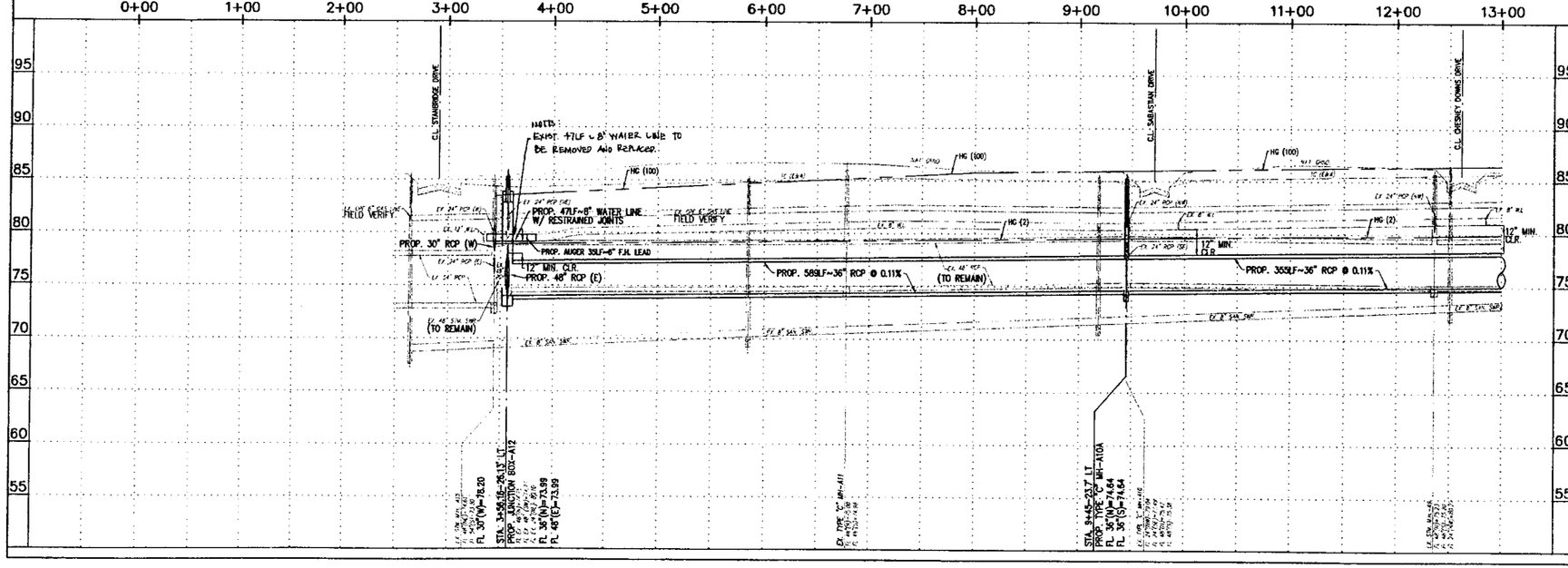
P-121




NOTE: MAINTAIN MIN. 4' HORIZONTAL CLEAR BETWEEN PROP. MANHOLES AND EXIST. GAS LINES. RELOCATE EXIST. GAS LINE AS NECESSARY.

NOTE: ALL EXISTING STORM SEWER IS REINFORCED CONCRETE PIPE (RCP), UNLESS OTHERWISE NOTED.

## WOODLEIGH DRIVE




### BENCH MARK

BENCHMARK – FLOOD PLAIN REFERENCE MARK NO. 8A0M5A, BEING A BRASS DISK LOCATED ON THE ON THE EAST SIDEWALK AT THE NORTHEAST CORNER OF THE ROCKY VALLEY ROAD BRIDGE OVER KEEGANS BAYOU. ELEVATION = 88.357 FEET, NAVD 1988, 2001 ADJUSTMENT.

BM-3: "X" CUT IN CONCRETE AT CL-CL INTERSECTION OF STANBRIDGE DRIVE AND WOODLEIGH DRIVE. ELEVATION = 84.50 FEET, NAVD 1988, 2001 ADJUSTMENT.

BM-4: 3/8" OF 1/2" IRON ROD AT CL-CL INTERSECTION OF WOODLEIGH DRIVE AND SABASTIAN DRIVE. ELEVATION = 85.03 FEET, NAVD 1988, 2001 ADJUSTMENT.

### FLOOD PLAIN INFORMATION:

THIS PROJECT LIES WITHIN ZONE "X" (UNSHADED), AREAS OUTSIDE THE 500-YEAR FLOOD PLAIN AS PER THE CURRENT FEMA F.I.R.M., DATED JANUARY 3, 1997, COMMUNITY PANEL NUMBER 48201C0120 J.

### NOTIFICATIONS

CONTRACTOR SHALL NOTIFY THE FOLLOWING ENTITIES 48 HOURS IN ADVANCE OF COMMENCING CONSTRUCTION:

1. UTILITY COORDINATING COMMITTEE 713/223-4567
2. HARRIS/BRIDGE M.U.D.
   MR. MIKE MALOULI–HCFCD 713/977-1700
   MR. RICK VANDYKE, P.E. 832/486-1500
3. WEST KEEGANS BAYOU IMPROVEMENT DISTRICT
   MR. ROB NEMPE, P.E. 713/267-3680
4. FORT BEND COUNTY DRAINAGE DISTRICT
   MR. DWAYNE GRIGAR 281/342-3863
5. FORT BEND COUNTY ENGINEERING DEPARTMENT
   MR. BERNARNE DANIS 281/633-7515

DEMOLITION NOTES:

1. SAWCUT, REMOVE AND REPLACE EXIST. 6" CONC. DRIVEWAYS AND 4" CONC. SIDEWALKS MINIMUM 3' CONTIGUOUS ON PROPOSED STORM SEWER OR TO NEAREST EXIST. JOINT. REPLACE DRIVEWAYS OUT TO SWLET OR AS INDICATED. RE: SHEET 11.
2. LEAVE MIN. 18" EXIST. REINFORCING STEEL EXPOSED FOR TIING TO PROP. REPLACEMENT CONC.
3. USE CARE NEXT TO EXIST. TREES NOT TO SCRAPE OR DAMAGE TRUNKS. PRUNE LIMBS TO PROVIDE CLEARANCE FOR PIPE EXCAVATION AND INSTALLATION. CUT ROOTS CLEANLY WHEN ENCOUNTERED.
4. REMOVE EXIST. MAILBOXES WHERE NECESSARY FOR CONSTRUCTION. TEMPORARILY REINSTALL WHERE PRACTICAL OR PROVIDE TEMPORARY U.S. MAIL BOX ON STANDARD 8' AREA IS DISTURBED FOR MORE THAN 24 HOURS.
5. REMOVE AND REPLACE EXIST. WOOD FENCING AND GATES FROM EASEMENT WORK AREA WHERE REQUIRED. REPLACE WITH NEW POSTS, PICKETS AND NOT BOARDS TO MATCH EXIST. FENCE. REINSTALL GATES WHERE PRACTICAL. PROVIDE TEMPORARY FENCING (CHAINLINK OR FIELD FENCE) DURING CONSTRUCTION.

STATE OF TEXAS
DAVID E. MILLER
06718
REGISTERED PROFESSIONAL ENGINEER
15 JAN. 2013
(SEAL)


MILLER & ASSOCIATES
Consulting Engineers • Surveying
Firm No. F-3840
3866 Walnut Bend Lane • Suite C160 • Houston, Texas 77042-4863
Phone 713/977-1700 Fax 713/977-4791


NOTICE:

AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION (713)-223-4567

PRIVATE UTILITY LINES SHOWN

DATE: 1-17-13
CENTERPOINT ENERGY/ELECTRIC FACILITIES
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DATE: 1-22-13
APPROVED FOR AT&T TEXAS/SWBT UNDERGROUND CONDUIT FACILITIES ONLY. SIGNATURE VALID FOR ONE YEAR.

DATE: 1-17-13
CENTERPOINT ENERGY/GAS FACILITIES
(GAS SERVICE LINES ARE NOT SHOWN)

KINGSBRIDGE MUNICIPAL UTILITY DISTRICT
HARRIS AND FORT BEND COUNTIES

PLAN AND PROFILE
STORM SEWER RECONSTRUCTION
WITHIN PROVIDENCE, SECTION ONE

WOODLEIGH DRIVE
STA. 3+00 TO STA. 13+00

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

| | | |
|---|---|---|
| WATER | 1-24-13 | TRAFFIC & TRANSPORTATION |
| | | STORM WATER QUALITY |
| STORM | 1-24-13 | FACILITIES |
| STREET & BRIDGE | | |

FILE NO:

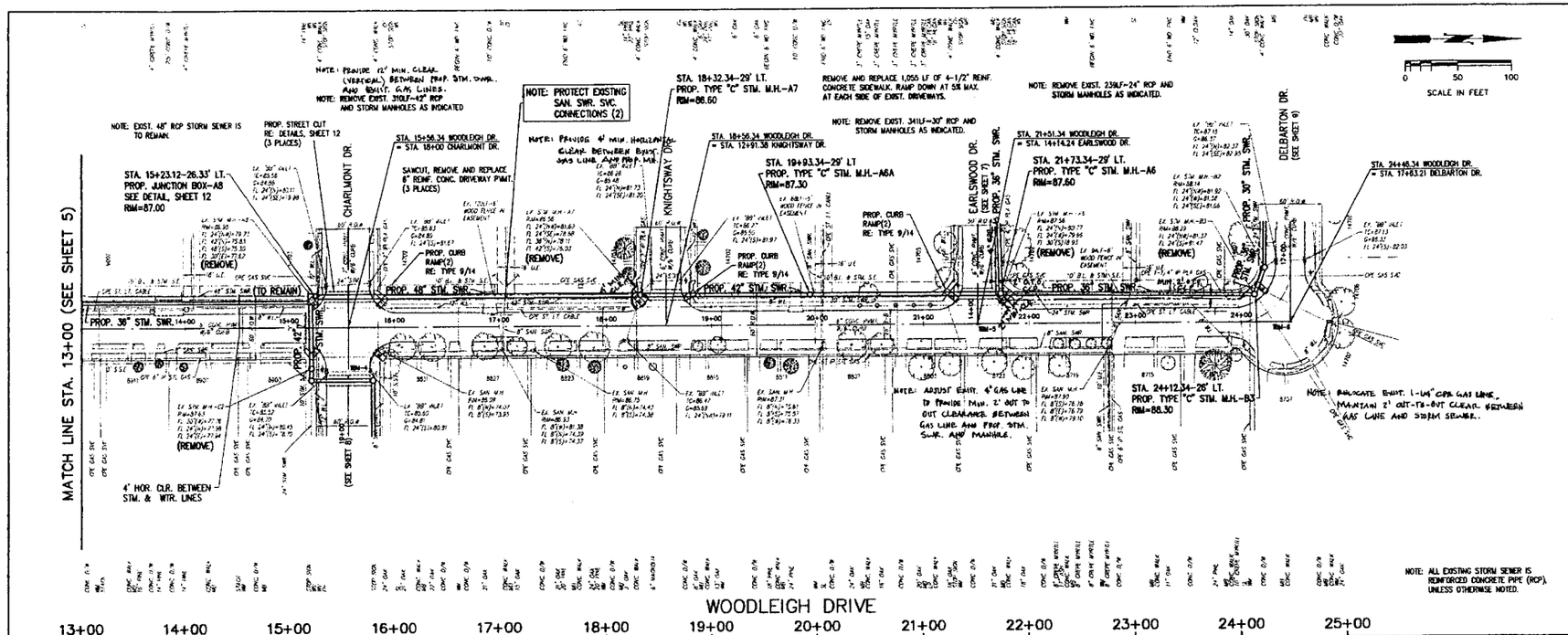
DRAWING SCALE
HORZ: 1" = 50'
VERT: 1" = 5'

SHEET No: 5 OF 15

FOR CITY OF HOUSTON USE ONLY
PUBLIC WORKS AND ENGINEERING
APPROVED AND FILED
50144
CITY DRAWING NUMBER
HOUSTON, TEXAS



2/1/13




## BENCH MARK

BENCHMARK - FLOOD PLAIN REFERENCE MARK NO. 840420, BEING A BRASS DISK LOCATED ON THE ON THE EAST SIDEWALK AT THE NORTHEAST CORNER OF THE BOOKY HALLEY ROAD BRIDGE OVER KEEGANS BAYOU. ELEVATION = 90.357 FEET, NAVD 1988, 2001 ADJUSTMENT.

BM-4 "X" IN TOP OF CURB ON THE INLET LOCATED AT THE NORTHEAST CORNER OF WOODLEIGH DRIVE AND CHARLMONT DRIVE. ELEVATION = 88.36 FEET, NAVD 1988, 2001 ADJUSTMENT.

BM-5 TOP OF NAIL AT CL-CL INTERSECTION OF WOODLEIGH DRIVE AND EARLSWOOD DRIVE. ELEVATION = 87.30 FEET, NAVD 1988, 2001 ADJUSTMENT.

BM-6 TOP OF 5/8" IRON ROD AT CL-CL INTERSECTION OF WOODLEIGH DRIVE AND DELBARTON DRIVE. ELEVATION = 87.80 FEET, NAVD 1988, 2001 ADJUSTMENT.

## FLOOD PLAIN INFORMATION:

THIS PROJECT LIES WITHIN ZONE "X" (UNSHADED), AREAS OUTSIDE THE 500-YEAR FLOOD PLAIN AS PER THE CURRENT FEMA F.I.R.M., DATED JANUARY 3, 1997, COMMUNITY PANEL NUMBER 4815970030 J

## NOTIFICATIONS

CONTRACTOR SHALL NOTIFY THE FOLLOWING ENTITIES 48 HOURS IN ADVANCE OF COMMENCING CONSTRUCTION:

1. UTILITY COORDINATING COMMITTEE 713/223-4567
2. KINGSBRIDGE MUD.
   MR. MIKE MALCOLM-HICKS 713/877-1700
   MR. RICK WANDINE, P.E. 832/490-1500
3. WEST KEEGANS BAYOU IMPROVEMENT DISTRICT
   MR. BOB SCHAFE, P.E. 713/227-3418
4. FORT BEND COUNTY DRAINAGE DISTRICT
   MR. DWAYNE OSKAR 281/342-3863
5. FORT BEND COUNTY ENGINEERING DEPARTMENT
   MR. BEAWANE DAVIS 281/633-7513

## DEMOLITION NOTES:

1. SAWCUT, REMOVE AND REPLACE EXIST. 6" CONC. DRIVEWAYS AND 4" CONC. SIDEWALKS MINIMUM 3' CENTERED ON PROPOSED STORM SEWER OR TO NEAREST EXIST. JOINT. REPLACE DRIVEWAYS OUT TO STREET OR AS INDICATED. RE: SHEET 11.
2. LEAVE MIN. 18" EXIST. REINFORCING STEEL EXPOSED FOR TIING TO PROP. REPLACEMENT CONC.
3. USE CARE NEAR TO EXIST. TREES NOT TO SCRAPE OR DAMAGE TRUNKS, FRAME LINES TO PROVIDE CLEARANCE FOR PIPE, EXCAVATION AND INSTALLATION. CUT ROOTS CLEANLY WHEN ENCOUNTERED.
4. REMOVE EXIST. MAILBOXES WHERE NECESSARY FOR CONSTRUCTION. TEMPORARILY REINSTALL WHERE PRACTICAL OR PROVIDE TEMPORARY U.S. MAIL BOX ON STANDARD 3' AREA IS INTERMISED FOR MORE THAN 24 HOURS.
5. REMOVE AND REPLACE EXIST. WOOD FENCING AND GATES FROM EASEMENT WORK AREA WHERE REQUIRED. REPLACE WITH NEW POSTS, PICKETS AND NOT REUSED TO MATCH EXIST. FENCE. REINSTALL GATES WHERE PRACTICAL. PROVIDE TEMPORARY FENCING (CHAINLINK OR FIELD FENCE) DURING CONSTRUCTION.

STATE OF TEXAS
DAVID E. MILLER
58718
REGISTERED PROFESSIONAL ENGINEER
15 JAN. 2013
(SEAL)

MILLER & ASSOCIATES
Consulting • Engineers • Surveying
Firm No. F-3240
2004 Walnut Bend Lane • Suite 100 • Houston, Texas 77043-4811
Phone 713/977-1983 Fax 713/977-1721

## NOTICE:

AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION (713)-223-4567.

PRIVATE UTILITY LINES SHOWN

DATE: 1-17-13
CENTERPOINT ENERGY/ELECTRIC FACILITIES
(APPROVED ONLY FOR CROSSING UNDERGROUND DUCTLINES, UNLESS OTHERWISE NOTED.) VALID AT TIME OF REVIEW ONLY.

DATE: 1-22-13
APPROVED FOR AT&T TEXAS/SWBT UNDERGROUND CONDUIT FACILITIES ONLY. SIGNATURE VALID FOR ONE YEAR.

DATE: 1-17-13
CENTERPOINT ENERGY/GAS FACILITIES
(GAS SERVICE LINES ARE NOT SHOWN)

KINGSBRIDGE MUNICIPAL UTILITY DISTRICT
HARRIS AND FORT BEND COUNTIES

PLAN AND PROFILE
STORM SEWER RECONSTRUCTION
WITHIN PROVIDENCE, SECTION ONE

WOODLEIGH DRIVE
STA. 13+00 TO STA. 24+46.34

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

| | |
|---|---|
| SUPER | TRAFFIC & TRANSPORTATION |
| MANAGER | STORM WATER QUALITY |
| STORM | THOLMES |
| SHEET & SHORE | |

FILE NO:

FOR CITY OF HOUSTON USE ONLY

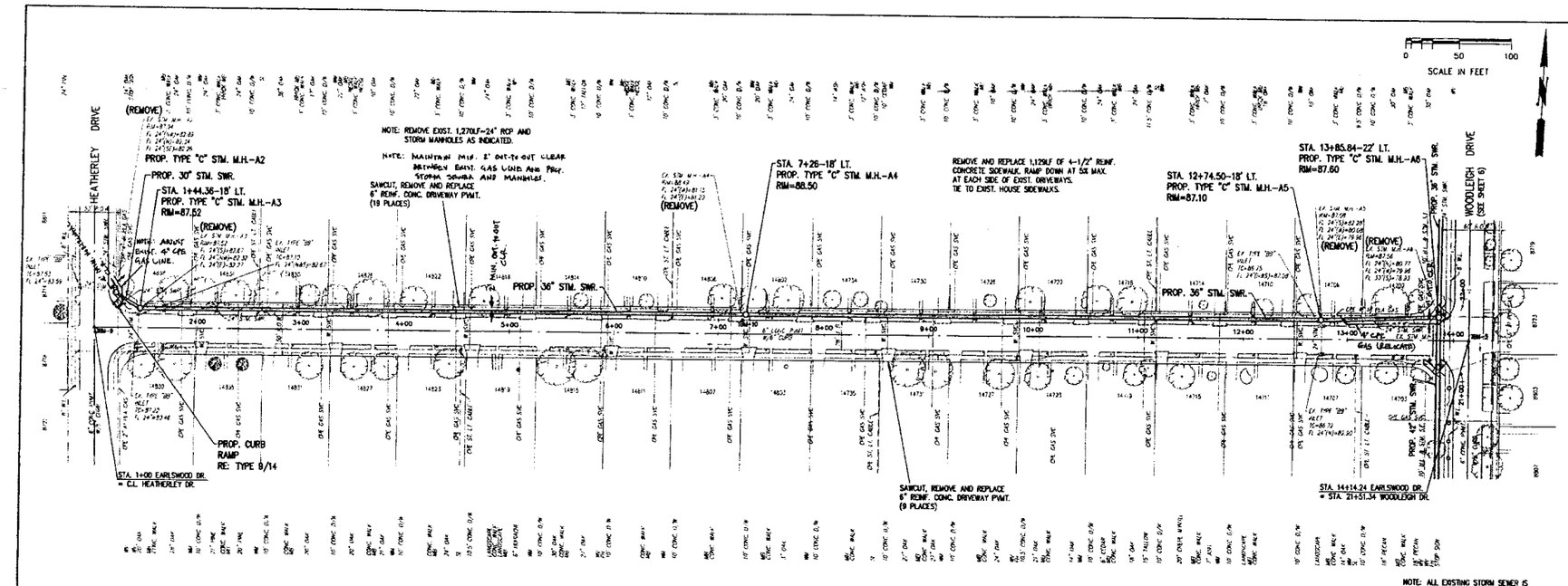
DRAWING SCALE
HORZ: 1" = 50'
VERT: 1" = 5'

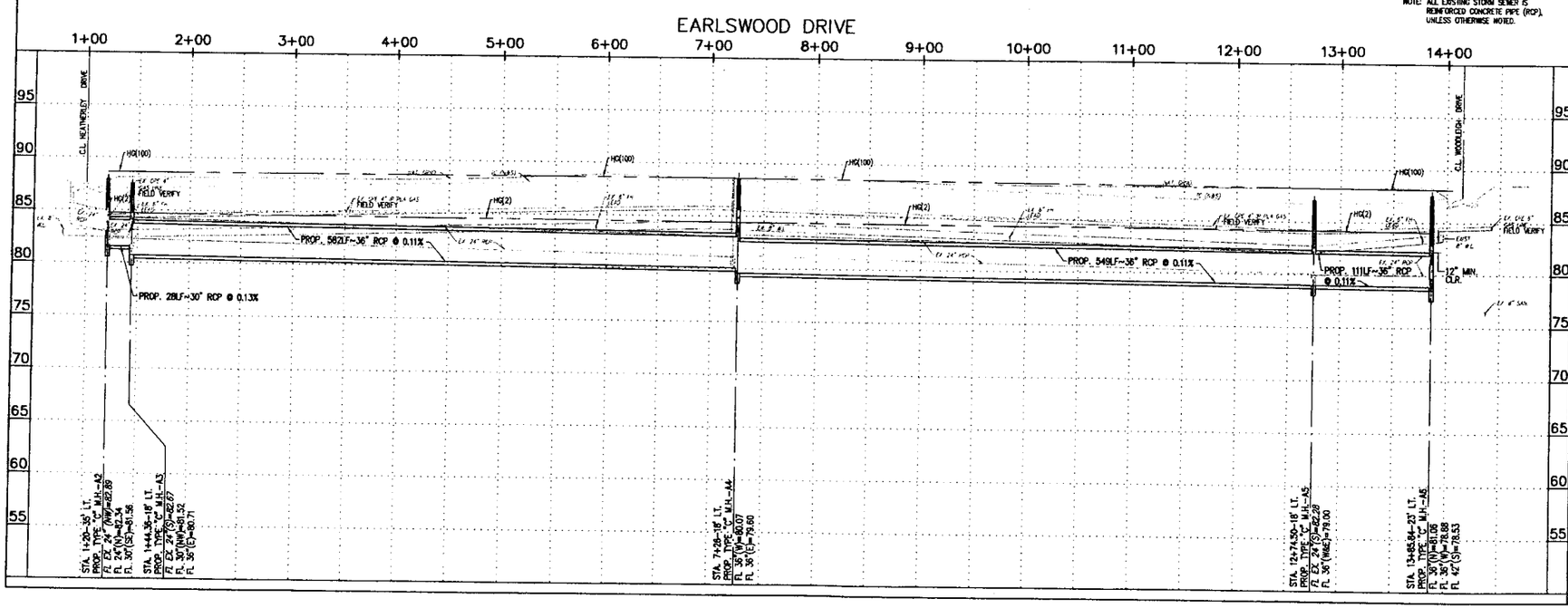
SHEET No: 6 OF 15

PUBLIC WORKS AND ENGINEERING
APPROVED AND FILED
50144
CITY DRAWING NUMBER
HOUSTON, TEXAS

P-121

AD 2/1/13




## BENCH MARK

BENCHMARK – FLOOD PLAIN REFERENCE MARK NO. DH0456, BEING A BRASS DISK LOCATED ON THE ON THE EAST SIDEWALK AT THE NORTHEAST CORNER OF THE ROCKY VALLEY ROAD BRIDGE OVER NEEGANS BAYOU. ELEVATION = 88.357 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-5: TOP OF NAIL AT CL-CL INTERSECTION OF WOODLEIGH DRIVE AND EARLSWOOD DRIVE. ELEVATION = 87.50 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-9: TOP OF 3/8" IRON ROD AT CL-CL INTERSECTION OF EARLSWOOD DRIVE AND HEATHERLY DRIVE. ELEVATION = 87.57 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-10: "X" CUT ON TOP OF CURB ON NORTH SIDE OF EARLSWOOD DRIVE AT THE EAST SIDE OF THE DRIVEWAY AT 14806 EARLSWOOD DR. ELEVATION = 88.35 FEET, NAVD 1988, 2001 ADJUSTMENT.

## FLOOD PLAIN INFORMATION:

THIS PROJECT LIES WITHIN ZONE "X" (UNSHADED), AREAS OUTSIDE THE 500-YEAR FLOOD PLAIN AS PER THE CURRENT FEMA F.I.R.M., DATED JANUARY 3, 1997, COMMUNITY PANEL NUMBER 48157C0120 J.

## NOTIFICATIONS

CONTRACTOR SHALL NOTIFY THE FOLLOWING ENTITIES 48 HOURS IN ADVANCE OF COMMENCING CONSTRUCTION:

1. UTILITY COORDINATING COMMITTEE 713/223-4567
2. KINGSBRIDGE M.U.D.
   MR. MIKE MACDOLD-HICKS 713/977-1700
   MR. RICK VANDYKE, P.E. 832/460-1500
3. WEST NEEGANS BAYOU IMPROVEMENT DISTRICT
   MR. BOB WOMPLE, P.E. 713/287-3166
4. FORT BEND COUNTY DRAINAGE DISTRICT
   MR. DWAYNE GRIGAR 281/342-2863
5. FORT BEND COUNTY ENGINEERING DEPARTMENT
   MR. DEWAYNE DAVIS 281/633-7513

## DEMOLITION NOTES

1. SAWCUT, REMOVE AND REPLACE EXIST. 6" CONC. DRIVEWAYS AND 4" CONC. SIDEWALKS MINIMUM 3' CENTERED ON PROPOSED STORM SEWER OR TO NEAREST EXIST. JOINT. REPLACE DRIVEWAYS OUT TO STREET OR AS INDICATED. RE: SHEET 11.
2. LEAVE MIN. 18" EXIST. REINFORCING STEEL EXPOSED FOR TYING TO PROP. REPLACEMENT CONC.
3. USE CARE NEXT TO EXIST. TREES NOT TO DISRUPT OR DAMAGE TRUNKS. PRUNE LIMBS TO PROVIDE CLEARANCE FOR PIPE EXCAVATION AND INSTALLATION. CUT ROOTS CLEANLY WHEN ENCOUNTERED.
4. REMOVE EXIST. MANUHOLES WHERE NECESSARY FOR CONSTRUCTION. TEMPORARILY REINSTALL WHERE PRACTICAL OR PROVIDE TEMPORARY U.S. MAIL BOX OR STANDARD IF AREA IS DISTURBED FOR MORE THAN 24 HOURS.
5. REMOVE AND REPLACE EXIST. WOOD FENCING AND GATES FROM EASEMENT WORK AREA WHERE REQUIRED. REPLACE WITH NEW POSTS, PICKETS AND ROT BOARD TO MATCH EXIST. FENCE. REINSTALL GATES WHERE PRACTICAL. PROVIDE TEMPORARY FENCING (CHAINLINK OR FIELD FENCE) DURING CONSTRUCTION.

STATE OF TEXAS
DAVID E. MILLER
58716
REGISTERED
PROFESSIONAL ENGINEER
15 JAN. 2013
(SEAL)

MILLER & ASSOCIATES
Consulting • Engineers • Surveying
Firm No. F-3240
3054 Bakers Ward Lane • Suite C100 • Houston, Texas 77082-4861
Phone 713/977-1700 Fax 713/977-1701

**NOTICE:**

AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION (713)-223-4567.

PRIVATE UTILITY LINES SHOWN

DATE: 1-17-13
CENTERPOINT ENERGY/ELECTRIC FACILITIES
(APPROVED ONLY FOR CROSSING UNDERGROUND DUCTLINES, UNLESS OTHERWISE NOTED.) VALID AT TIME OF REVIEW ONLY.

DATE: 1-22-13
APPROVED FOR AT&T TEXAS/SWBT UNDERGROUND CONDUIT FACILITIES ONLY. SIGNATURE VALID FOR ONE YEAR.

DATE: 1-17-13
CENTERPOINT ENERGY/GAS FACILITIES
(GAS SERVICE LINES ARE NOT SHOWN)

KINGSBRIDGE MUNICIPAL UTILITY DISTRICT
HARRIS AND FORT BEND COUNTIES

PLAN AND PROFILE
STORM SEWER RECONSTRUCTION
WITHIN PROVIDENCE, SECTION ONE

# EARLSWOOD DRIVE
STA. 1+00 TO STA. 14+14.24

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

DATE: 1-24-13 — TRAFFIC & TRANSPORTATION
DATE: 1-24-13 — STORM WATER QUALITY
DATE: 1-24-13 — FACILITIES
STREET & BRIDGE

FILE NO:

FOR CITY OF HOUSTON USE ONLY

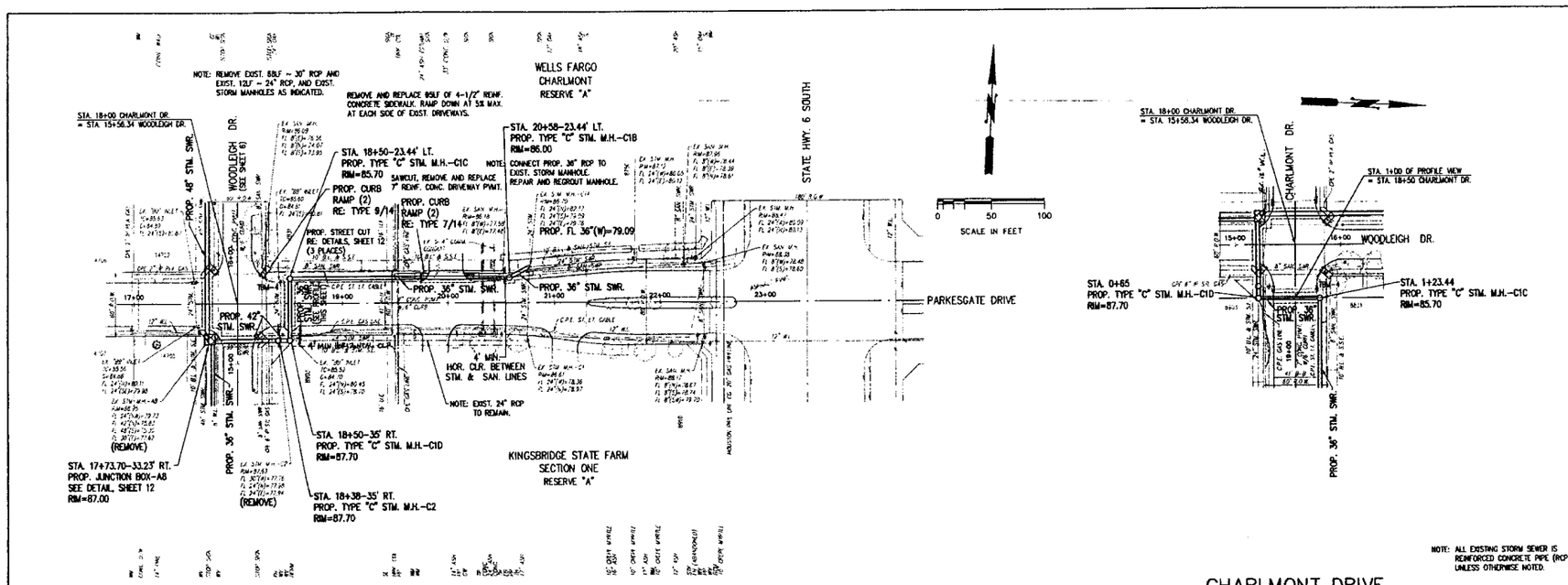
DRAWING SCALE
HORZ: 1" = 50'
VERT: 1" = 5'

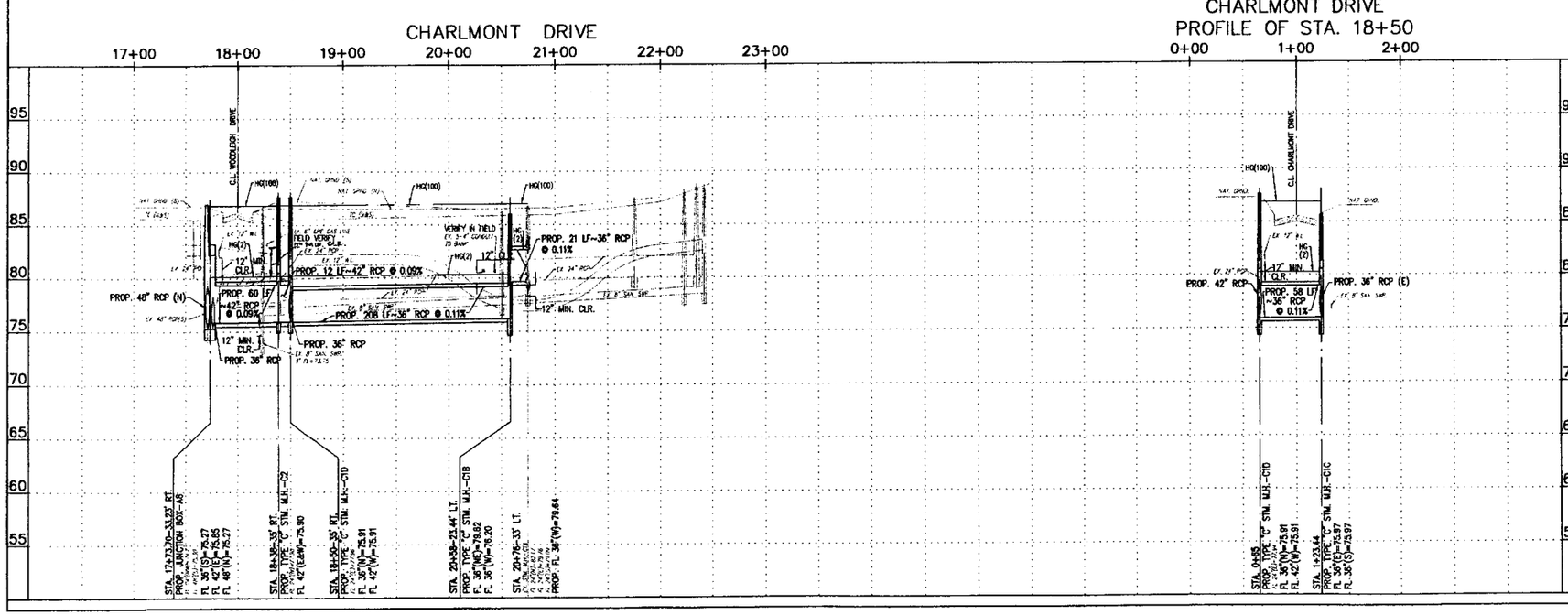
SHEET No: 7 of 15

PUBLIC WORKS AND ENGINEERING
ACCEPTED AND FILED
50144
CITY DRAWING NUMBER
HOUSTON, TEXAS

AP 2/1/13

P-121




## BENCH MARK

BENCHMARK - FLOOD PLAIN REFERENCE MARK NO. 04D4DQ, BEING A BRASS DISK LOCATED ON THE ON THE EAST SIDEWALK AT THE NORTHEAST CORNER OF THE ROCKY VALLEY ROAD BRIDGE OVER KEEGANS BAYOU. ELEVATION = 88.357 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-4: "X" IN TOP OF CURB ON THE INLET LOCATED AT THE NORTHEAST CORNER OF WOODLEIGH DRIVE AND CHARLMONT DRIVE. ELEVATION = 88.38 FEET, NAVD 1988, 2001 ADJUSTMENT.

## FLOOD PLAIN INFORMATION:

THIS PROJECT LIES WITHIN ZONE "X" (UNSHADED), AREAS OUTSIDE THE 500-YEAR FLOOD PLAIN AS PER THE CURRENT FEMA F.I.R.M., DATED JANUARY 3, 1997, COMMUNITY PANEL NUMBER 48157C0720 J.

## NOTIFICATIONS

CONTRACTOR SHALL NOTIFY THE FOLLOWING ENTITIES 48 HOURS IN ADVANCE OF COMMENCING CONSTRUCTION:

1. UTILITY COORDINATING COMMITTEE 713/223-4567
2. KINGSBRIDGE M.U.D.
   MR. MIKE WALDTUL-HICKS 713/977-1200
   MR. RICK VANDYKE, P.E. 832/460-1500
3. WEST KEEGANS BAYOU IMPROVEMENT DISTRICT
   MR. BOB WEMPLE, P.E. 713/267-3150
4. FORT BEND COUNTY DRAINAGE DISTRICT
   MR. DWAYNE DINGAN 281/342-2831
5. FORT BEND COUNTY ENGINEERING DEPARTMENT
   MR. DEWAYNE DAVIS 281/633-7513

## DEMOLITION NOTES:

1. SAWCUT, REMOVE AND REPLACE EXIST. 6" CONC. DRIVEWAYS AND 4" CONC. SIDEWALKS WITHIN 3' COVERED ON PROPOSED STORM SEWER OR TO NEAREST EXIST. JOINT. REPLACE DRIVEWAYS OUT TO STREET OR AS INDICATED. RE: SHEET 11.
2. LEAVE MIN. 10' EXIST. REINFORCING STEEL EXPOSED FOR TIES TO PROP. REPLACEMENT CONC.
3. USE CARE NEXT TO EXIST. TREES NOT TO SCRAPE OR DAMAGE TRUNKS. PRUNE LIMBS TO PROVIDE CLEARANCE FOR PIPE EXCAVATION AND INSTALLATION. CUT ROOTS CLEANLY WHEN ENCOUNTERED.
4. REMOVE EXIST. MAILBOXES WHERE NECESSARY FOR CONSTRUCTION. TEMPORARILY REINSTALL WHERE PRACTICAL OR PROVIDE TEMPORARY U.S. MAIL BOX ON STANDARD IF AREA IS DISTURBED FOR MORE THAN 24 HOURS.
5. REMOVE AND REPLACE EXIST. WOOD FENCING AND GATES FROM EASEMENT WORK AREA WHERE REQUIRED. REPLACE WITH NEW POSTS, RAILS AND BOTH SIDES TO MATCH EXIST. FENCE. REINSTALL GATES WHERE PRACTICAL. PROVIDE TEMPORARY FENCING (CHAINLINK OR FIELD FENCE) DURING CONSTRUCTION.

STATE OF TEXAS
DAVID E. MILLER
66 8874
REGISTERED PROFESSIONAL ENGINEER
15 JAN. 2013
(SEAL)

**MILLER & ASSOCIATES**
Consulting • Engineers • Surveying
Firm No. F-9249
8866 Gulf Freeway • Suite C100 • Houston, Texas 77054-1811
Phone 713/977-4762 Fax 713/977-1721

## NOTICE:

AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION (713)-223-4567.

PRIVATE UTILITY LINES SHOWN

DATE: 1-17-13
CENTERPOINT ENERGY/ELECTRIC FACILITIES (APPROVED ONLY FOR CROSSING UNDERGROUND DUCTLINES, UNLESS OTHERWISE NOTED.) VALID AT TIME OF REVIEW ONLY.

DATE: 1-22-13
APPROVED FOR AT&T TEXAS/SWBT UNDERGROUND CONDUIT FACILITIES ONLY. SIGNATURE VALID FOR ONE YEAR.

DATE: 1-17-13
CENTERPOINT ENERGY/GAS FACILITIES (GAS SERVICE LINES ARE NOT SHOWN)

KINGSBRIDGE MUNICIPAL UTILITY DISTRICT
HARRIS AND FORT BEND COUNTIES

PLAN AND PROFILE
STORM SEWER RECONSTRUCTION
WITHIN PROVIDENCE, SECTION ONE

CHARLMONT DRIVE
STA. 17+00 TO STA. 22+00

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

| | |
|---|---|
| SIGNATURE | TRAFFIC & TRANSPORTATION |
| SIGNATURE | STORM WATER QUALITY |
| SIGNATURE | FACILITIES |
| STREET & BRIDGE | |

FILE NO:

FOR CITY OF HOUSTON USE ONLY

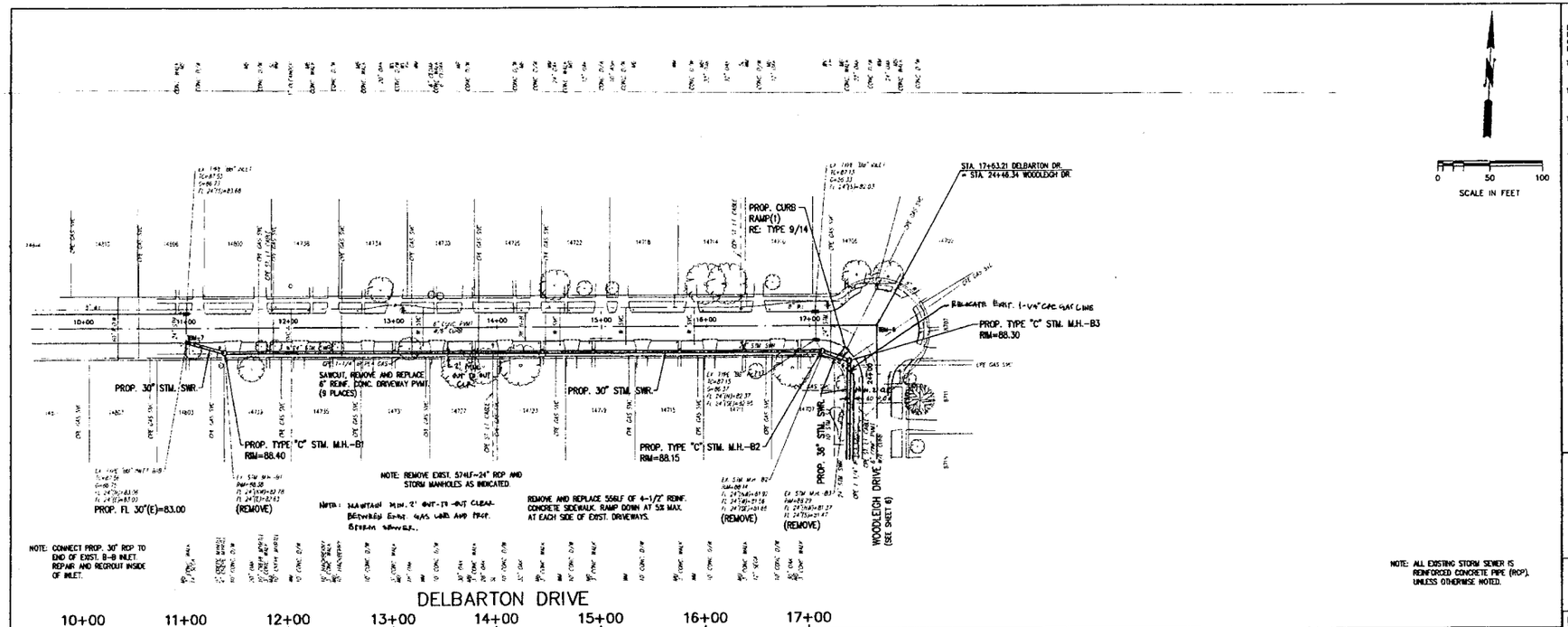
DRAWING SCALE
HORZ: 1" = 50'
VERT: 1" = 5'

SHEET No: 8 OF 15

APPROVED AND FILED
50144
CITY COMMISSION NUMBER
HOUSTON, TEXAS

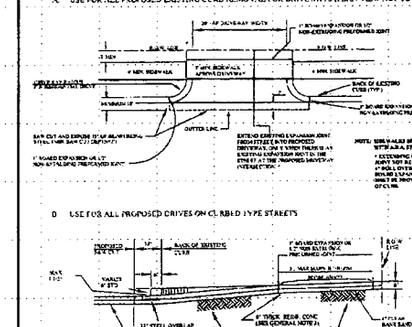
P-121

2/11/13

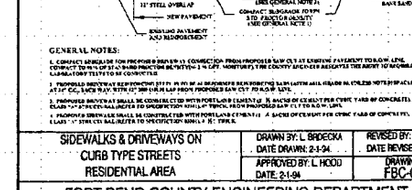



WHEN A RESIDENTIAL SIDEWALK, DRIVEWAY, CURB OR GUTTER IS CONSTRUCTED, RECONSTRUCTED, REPAIRED OR REGRADED ON COUNTY RIGHT-OF-WAY. FOR USE WITH CONCRETE OR ASPHALT CURB TYPE STREETS. USE SECTIONS APPLICABLE.

A. USE FOR ALL PROPOSED EXISTING CURB REMOVAL FOR DRIVEWAYS (PLAN VIEW NOT TO SCALE)



D. USE FOR ALL PROPOSED DRIVES ON CURBED TYPE STREETS



GENERAL NOTES:

1. CONTACT SUBGRADE FOR PROPOSED DRIVEWAY (CONSTRUCTION FROM PROPOSED SAW CUT AT EXISTING PAVEMENT TO R.O.W. LINE, CONTACT TO 95% OF ST.D. PROCTOR METHOD (+ 2% OPT. MOISTURE). THE COUNTY ENGINEER RESERVES THE RIGHT TO RUN ADDITIONAL LABORATORY TESTS TO BE CONDUCTED.
2. PROPOSED DRIVEWAY REINFORCING STEEL IN SIDE OF ASPHALT PAVEMENT TO BE SAW CUT AND REMOVED AS SHOWN ON DETAIL NOTED ABOVE AT 6" CLEAR BACK OF CURB. SAW CUT 12" MIN. OVER ALL AS SHOWN FROM PROPOSED SAW CUT TO R.O.W. LINE.
3. PROPOSED DRIVEWAY SHALL BE CONSTRUCTED WITH PORTLAND CEMENT AT 5 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE. CLASS "A" STRENGTH, ALLOWED TO SPECIFICATION MINIMUM THICK, FROM PROPOSED SAW CUT TO R.O.W. LINE.
4. PROPOSED DRIVEWAY SHALL BE CONSTRUCTED WITH PORTLAND CEMENT AT 5 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE, CLASS "A" STRENGTH, ALLOWED TO SPECIFICATION MINIMUM THICK, REINFORCED.

| SIDEWALKS & DRIVEWAYS ON CURB TYPE STREETS RESIDENTIAL AREA | DRAWN BY: L. BRDECKA DATE DRAWN: 2-1-94 | REVISED BY: A. GOMEZ DATE REVISED: 11-1-06 |
|---|---|---|
| | APPROVED BY: L. HOOD DATE: 2-1-94 | DRAWING NO. FBC-010A |

FORT BEND COUNTY ENGINEERING DEPARTMENT

## BENCH MARK

BENCHMARK - FLOOD PLAIN REFERENCE MARK NO. 8404A9, BEING A BRASS DISK LOCATED ON THE ON THE EAST SIDEWALK AT THE NORTHEAST CORNER OF THE ROCKY VALLEY ROAD BRIDGE OVER MUSGANG BAYOU. ELEVATION = 88.357 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-A: TOP OF 3/8" IRON ROD AT CL-CL INTERSECTION OF WOODLEIGH DRIVE AND DELBARTON DRIVE.
ELEVATION = 87.80 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-B: "X" CUT ON TOP OF INLET ON SOUTH SIDE OF DELBARTON DRIVE AT 14803 DELBARTON DRIVE.
ELEVATION = 87.58 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-C: "X" CUT CL-CL INTERSECTION OF DELBARTON DRIVE AT HEARNCRIT DRIVE.
ELEVATION = 88.11 FEET, NAVD 1988, 2001 ADJUSTMENT.

## FLOOD PLAIN INFORMATION:

THIS PROJECT LIES WITHIN ZONE "X" (SHADED), AREAS OUTSIDE THE 500-YEAR FLOOD PLAIN AS PER THE CURRENT FEMA F.I.R.M., DATED JANUARY 3, 1997, COMMUNITY PANEL NUMBER 48157C0170 J.

## NOTIFICATIONS

CONTRACTOR SHALL NOTIFY THE FOLLOWING ENTITIES 48 HOURS IN ADVANCE OF COMMENCING CONSTRUCTION:

1. UTILITY COORDINATING COMMITTEE 713/223-4567
2. KINGSBRIDGE M.U.D.
   MR. MIKE HALCOMB-HICKS 713/977-4700
   MR. RICK TIMMONS, P.E. 832/400-1500
3. WEST MUSGANG BAYOU IMPROVEMENT DISTRICT
   MR. BOB WEMPE, P.E. 713/263-3101
4. FORT BEND COUNTY DRAINAGE DISTRICT
   MR. BRIAN ONCAN 281/341-3863
5. FORT BEND COUNTY ENGINEERING DEPARTMENT
   MR. DEWAYNE DAVIS 281/633-7513

## EXCAVATION NOTES:

1. SAWCUT, REMOVE AND REPLACE EXIST. 6" CONC. DRIVEWAYS AND 4" CONC. SIDEWALKS MINIMUM 5' CONSISTED ON PROPOSED STORM SEWER OR TO NEAREST EXIST. JOINT, REPLACE DRIVEWAYS OUT TO STREET OR AS INDICATED. RE: SHEET 11.
2. LEAVE MIN. 18" EXIST. REINFORCING STEEL EXPOSED FOR TIING TO PROP. REPLACEMENT CONC.
3. USE CARE NEXT TO EXIST. TREES NOT TO SCRAPE OR DAMAGE TRUNKS. PRUNE LIMBS TO PROVIDE CLEARANCE FOR PIPE EXCAVATION AND INSTALLATION. CUT ROOTS CLEANLY WHEN ENCOUNTERED.
4. REMOVE EXIST. MAILBOXES WHERE NECESSARY FOR CONSTRUCTION. TEMPORARILY REINSTALL WHERE PRACTICAL OR PROVIDE TEMPORARY U.S. MAIL BOX ON STANDARD 4" AREA IS DISTURBED FOR MORE THAN 24 HOURS.
5. REMOVE AND REPLACE EXIST. WOOD FENCING AND GATES FROM EASEMENT WORK AREA WHERE REQUIRED. REPLACE WITH NEW POSTS, PICKETS AND RUT BOARD TO MATCH EXIST. FENCE. REINSTALL GATES WHERE PRACTICAL. PROVIDE TEMPORARY FENCING (CHAINLINK OR FIELD FENCE) DURING CONSTRUCTION.

STATE OF TEXAS
DAVID E. MILLER
No. 68718
REGISTERED PROFESSIONAL ENGINEER
15 JUL 2013
(SEAL)

MILLER & ASSOCIATES
Consulting - Engineers - Surveying
Firm No. F-3240
3666 Walnut Bend Lane • Suite C130 • Houston, Texas 77042-4861
Phone 713/977-4780 Fax 713/977-4781

NOTICE:

AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION (713)-223-4567.

PRIVATE UTILITY LINES SHOWN

DATE: 1-17-13
CENTERPOINT ENERGY/ELECTRIC FACILITIES
(APPROVED ONLY FOR CROSSING UNDERGROUND EDUCTURES, UNLESS OTHERWISE NOTED.) VALID AT TIME OF REVIEW ONLY.

DATE: 1-22-13
APPROVED FOR AT&T TEXAS/SWBT UNDERGROUND CONDUIT FACILITIES ONLY. SIGNATURE VALID FOR ONE YEAR.

DATE: 1-17-13
CENTERPOINT ENERGY/GAS FACILITIES
(GAS SERVICE LINES ARE NOT SHOWN)

KINGSBRIDGE MUNICIPAL UTILITY DISTRICT
HARRIS AND FORT BEND COUNTIES

PLAN AND PROFILE
STORM SEWER RECONSTRUCTION
WITHIN PROVIDENCE, SECTION ONE

DELBARTON DRIVE
STA. 10+00 TO STA. 17+63.21

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

WATER — WATER & WASTEWATER
STORM — STORM WATER QUALITY
SHEET & BRIDGE — FACILITIES

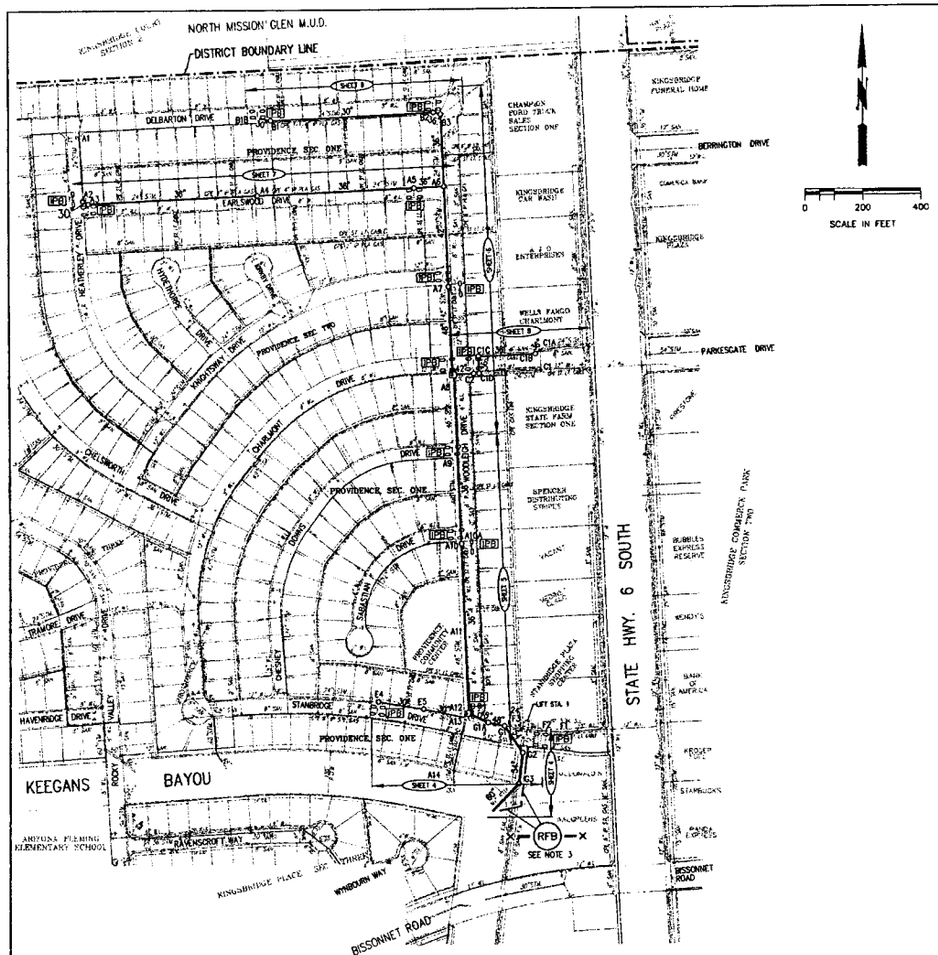
FILE NO:

DRAWING SCALE
HORZ: 1" = 50'
VERT: 1" = 5'

SHEET No: 9 OF 15

FOR CITY OF HOUSTON USE ONLY
RECEIVED AND FILED
50144
CITY DRAWING NUMBER
HOUSTON, TEXAS

P-121




## LEGEND

| | EXISTING | PROPOSED |
|---|---|---|
| WATER LINE | | |
| WATER VALVE | | |
| FIRE HYDRANT | | |
| SANITARY SEWER LINE | | |
| SANITARY SEWER MANHOLE | | |
| SANITARY SEWER STACK | | |
| SANITARY SEWER FORCE MAIN | | |
| STORM SEWER LINE | 24" STM. | 24" STM. SWR. |
| STORM SEWER LINE | 30" STM. | 30"+ STM. SWR. |
| STORM SEWER MANHOLE | | |
| STORM SEWER INLETS | "B-8" "D-1" | |
| CPE GAS LINE | | |
| CPE STREET LIGHT CABLE | | |
| SHEET LOCATION | | SHEET 3 |

## ABBREVIATIONS

| | |
|---|---|
| CPE | CENTERPOINT ENERGY |
| STM. | STORM SEWER LINE |
| W.L. | WATER LINE |
| SAN. | SANITARY SEWER LINE |
| SAN. F.M. | SANITARY SEWER FORCE MAIN |
| STM. S.E. | STORM SEWER EASEMENT |
| W.L.E. | WATER LINE EASEMENT |
| S.S.E. | SANITARY SEWER EASEMENT |
| R.O.W. | RIGHT-OF-WAY |
| B.L. | BUILDING LINE |
| U.E. | UTILITY EASEMENT |
| R.O.W. | RIGHT-OF-WAY |
| B.L. | BUILDING LINE |
| SVC | SERVICE LINE (GAS OR WATER) |

**TEXAS EXCAVATION SAFETY SYSTEM**
CALL BEFORE YOU DIG!
Call: TOLL FREE
1-800
344-8377
TWO WORKING DAYS BEFORE YOU DIG

## SEDIMENT CONTROL MEASURES NOTES:

1. PROTECT EXISTING INLET WITH "SILT FENCE INLET PROTECTION BARRIER".
2. PROTECT ALL INLETS IN PAVED ROADWAYS WITH GRAVEL FILLED BAG(S).
3. PLACE REINFORCED FILTER FABRIC BARRIER ALONG SERVICE DRIVE CURB AND ACROSS BACKSLOPE DRAINAGE SWALE.

## INLET PROTECTION BARRIER LEGEND

| | |
|---|---|
| SILT FENCE INLET PROTECTION BARRIER | IPB |
| GRAVEL FILLED BAG | |
| STRAW BALE | |
| FILTER FABRIC BARRIER | IFB |
| REINFORCED FILTER FABRIC BARRIER | X — RFB — X |

## BENCH MARK

BENCHMARK - FLOOD PLAIN REFERENCE MARK NO. 9400A9, BEING A BRASS DISK LOCATED ON THE ON THE EAST SIDEWALK AT THE NORTHEAST CORNER OF THE ROCKY VALLEY ROAD BRIDGE OVER KEEGANS BAYOU. ELEVATION = 98.357 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-1: SQUARE BOX CUT IN TOP OF CURB ON NORTH SIDE OF STANBRIDGE DRIVE, 5 FEET WEST OF THE CONCRETE ACCESS BRIDGWAY INTO THE LIFT STATION SITE AT 14424 STANBRIDGE DR. ELEVATION = 94.04 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-2: "X" CUT IN CONCRETE AT CL-CL INTERSECTION OF STANBRIDGE DRIVE AND WOODLEIGH DRIVE. ELEVATION = 94.50 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-3: TOP OF 1/2" IRON ROD AT CL-CL INTERSECTION OF WOODLEIGH DRIVE AND SABASTIAN DRIVE. ELEVATION = 95.03 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-4: "X" IN TOP OF CURB ON THE INLET LOCATED AT THE NORTHEAST CORNER OF WOODLEIGH DRIVE AND CHARLIGHT DRIVE. ELEVATION = 96.36 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-5: TOP OF NAIL AT CL-CL INTERSECTION OF WOODLEIGH DRIVE AND EARLSWOOD DRIVE. ELEVATION = 87.30 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-6: TOP OF 5/8" IRON ROD AT CL-CL INTERSECTION OF WOODLEIGH DRIVE AND DELBARTON DRIVE. ELEVATION = 87.90 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-7: "X" CUT ON TOP OF INLET ON SOUTH SIDE OF DELBARTON DRIVE AT 14803 DELBARTON DRIVE. ELEVATION = 87.56 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-8: "X" CUT CL-CL INTERSECTION OF DELBARTON DRIVE AT HEATHERLY DRIVE. ELEVATION = 88.11 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-9: TOP OF 3/8" IRON ROD AT CL-CL INTERSECTION OF EARLSWOOD DRIVE AND HEATHERLY DRIVE. ELEVATION = 87.57 FEET, NAVD 1988, 2001 ADJUSTMENT.

TBM-10: "X" CUT ON TOP OF CURB ON NORTH SIDE OF EARLSWOOD DRIVE AT THE EAST SIDE OF THE BRIDGWAY AT 14808 EARLSWOOD DR. ELEVATION = 88.35 FEET, NAVD 1988, 2001 ADJUSTMENT.

## FLOOD PLAIN INFORMATION:

THIS PROJECT LIES WITHIN ZONE "X" (UNSHADED), AREAS OUTSIDE THE 500-YEAR FLOOD PLAIN AS PER THE CURRENT FEMA F.I.R.M., DATED JANUARY 2, 1997, COMMUNITY PANEL NUMBER 48201C0170 J.

STATE OF TEXAS
DAVID E. MILLER
56756
LICENSED
PROFESSIONAL ENGINEER
15 JAN. 2013


MILLER & ASSOCIATES
Consulting • Engineers • Surveying
Firm No. F-3240
3006 Walnut Bend Lane • Suite C100 • Houston, Texas 77042-4851
Phone 713/977-0700 Fax 713/977-4701


**NOTICE:**
AT LEAST 48 HOURS BEFORE EXCAVATING IN STREET R.O.W. OR EASEMENTS CALL THE LONE STAR NOTIFICATION (713)-223-4087.

PRIVATE UTILITY LINES SHOWN

DATE: 1-12-13
CENTERPOINT ENERGY/ELECTRIC FACILITIES
(APPROVED ONLY FOR CROSSING UNDERGROUND DUCTLINES, UNLESS OTHERWISE NOTED.) VALID AT TIME OF REVIEW ONLY.

N/A DATE:
APPROVED FOR AT&T TEXAS/SWBT UNDERGROUND CONDUIT FACILITIES ONLY. SIGNATURE VALID FOR ONE YEAR.

DATE: 1-9-13
CENTERPOINT ENERGY/GAS FACILITIES
(GAS SERVICE LINES ARE NOT SHOWN)

KINGSBRIDGE MUNICIPAL UTILITY DISTRICT
HARRIS AND FORT BEND COUNTIES

LAYOUT
STORM SEWER RECONSTRUCTION
WITHIN PROVIDENCE, SECTION ONE

# STORM WATER POLLUTION PREVENTION PLAN

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

| | |
|---|---|
| SIGNATURE | DATE |
| DRAINAGE & TRANSPORTATION | |
| STORM WATER QUALITY | |
| FACILITIES | |
| STREET & BRIDGE | |

FILE NO:

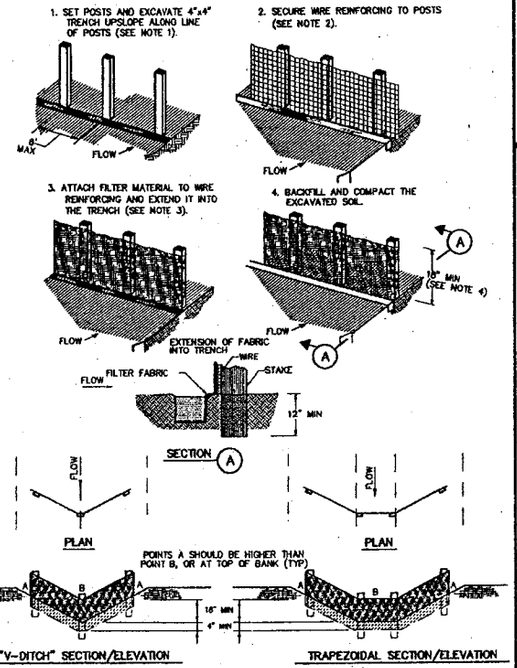
DRAWING SCALE
1"= 200'

SHEET No: 10 OF 15

FOR CITY OF HOUSTON USE ONLY
PUBLIC WORKS AND ENGINEERING
APPROVED AND FILED
50144
CITY DRAWING NUMBER
HOUSTON, TEXAS

P-121

2/1/13

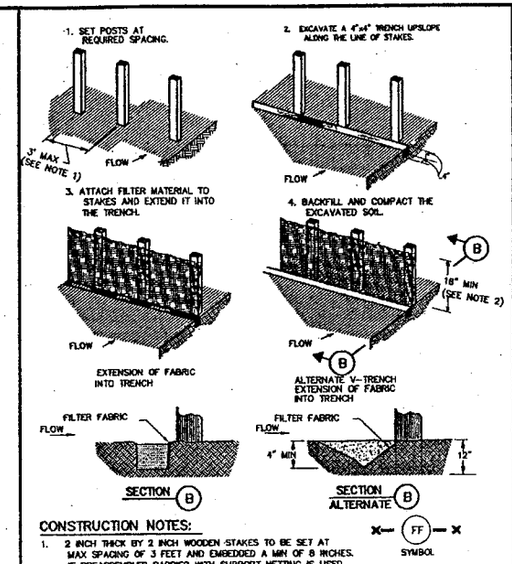



## CONSTRUCTION NOTES:

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

X—(RFB)—X
SYMBOL

## REINFORCED FILTER FABRIC BARRIER

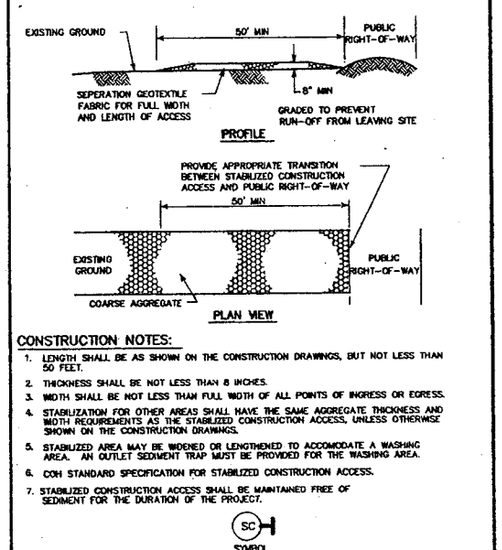



X—(FF)—X
SYMBOL

## CONSTRUCTION NOTES:

1. 2 INCH THICK BY 2 INCH WOODEN STAKES TO BE SET AT MAX SPACING OF 3 FEET AND EMBEDDED A MIN OF 8 INCHES. IF PREASSEMBLED BARRIER WITH SUPPORT NETTING IS USED, SPACING OF POST MAY BE INCREASED TO 8 FEET MAX.
2. ATTACH FILTER FABRIC TO WOODEN STAKES. FILTER FABRIC BARRIER SHALL HAVE A MIN HEIGHT OF 18 INCHES AND MAX HEIGHT OF 36 INCHES ABOVE NATURAL GROUND.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.
4. SEE COH STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.

## FILTER FABRIC BARRIER

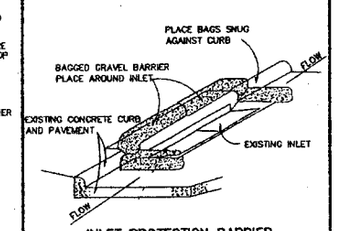



## CONSTRUCTION NOTES:

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

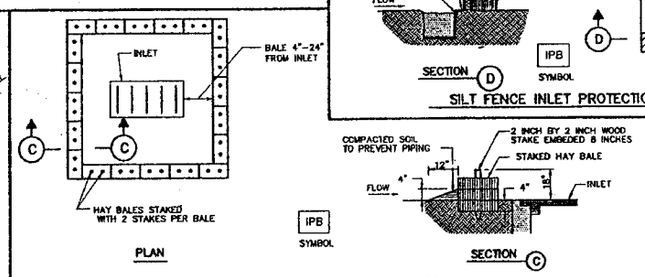
(SC)
SYMBOL

## STABILIZED CONSTRUCTION ACCESS

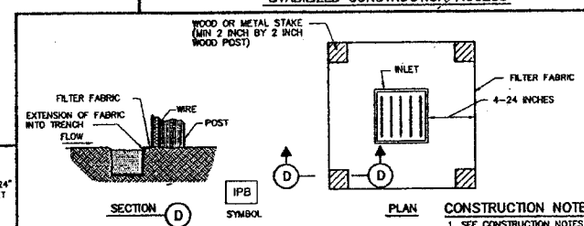



## INLET PROTECTION BARRIER

(FOR STAGE II INLETS)
BAGGED GRAVEL BARRIER




## HAY BALE INLET PROTECTION BARRIER




## SILT FENCE INLET PROTECTION BARRIER

## CONSTRUCTION NOTE:

1. SEE CONSTRUCTION NOTES FOR RFB.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

STORM WATER POLLUTION PREVENTION PLAN DETAILS
(NOT TO SCALE)

APPROVED: CITY ENGINEER
APPROVED: DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JULY-01-2010
DWG NO: 01571-01

15 JAN. 2013

MILLER & ASSOCIATES
Consulting • Engineering • Surveying
Firm No. F-2010

KINGSBRIDGE MUNICIPAL UTILITY DISTRICT
HARRIS AND FORT BEND COUNTIES

DETAILS
STORM SEWER RECONSTRUCTION WITHIN PROVIDENCE, SECTION ONE

# STORM WATER POLLUTION PREVENTION PLAN DETAILS

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

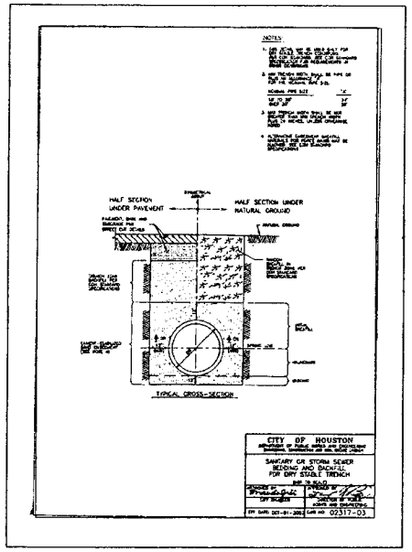
SHEET — HYDRAULIC & WATERSHED
WATERSHED — STORM WATER QUALITY
WORK — FIGURES
STREET & GRADE

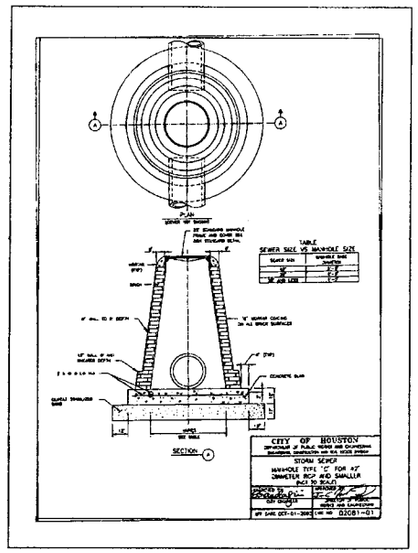
FILE NO:
DRAWING SCALE: AS NOTED
SHEET No: 11 OF 15

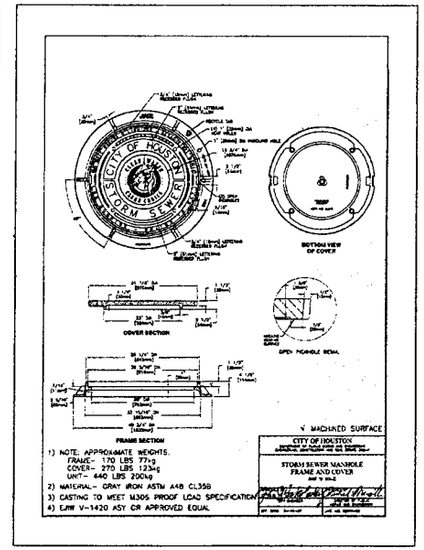
FOR CITY OF HOUSTON USE ONLY
PUBLIC WORKS AND ENGINEERING — APPROVED AND FILED — 50144 — CITY DRAWING NUMBER — HOUSTON, TEXAS

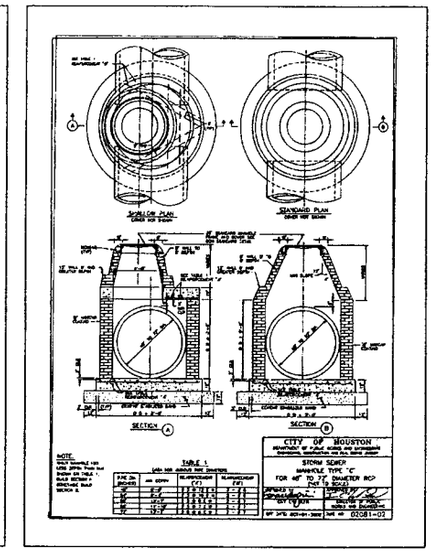
P-121

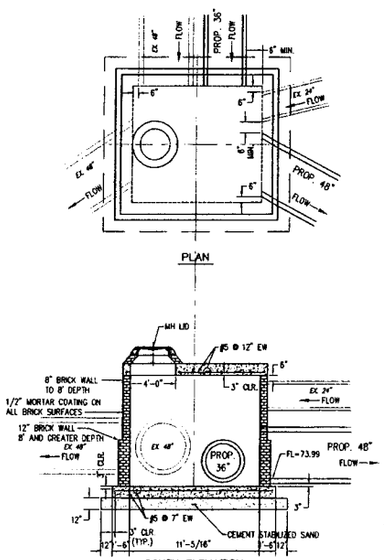
21/13



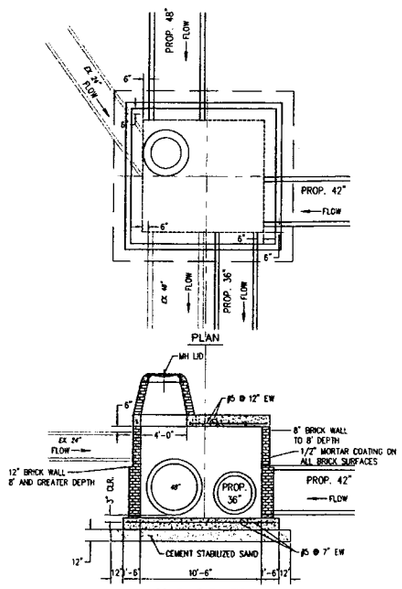



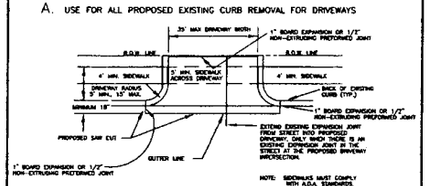

JUNCTION BOX A-12
WOODLEIGH DR. AT STANBRIDGE DR.
1"=5'



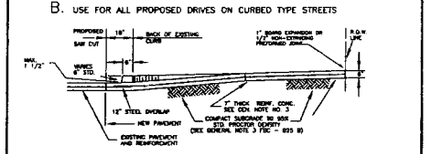

JUNCTION BOX A-8
WOODLEIGH DR. AT CHARLMONT DR.
1"=5'

WHEN A COMMERCIAL SIDEWALK, DRIVEWAY OR CURB OR GUTTER IS CONSTRUCTED, RECONSTRUCTED, REPAIRED OR REGRADED ON COUNTY RIGHT-OF-WAY. FOR USE WITH CONCRETE OR ASPHALT CURBED TYPE STREETS,USE SECTIONS APPLICABLE.

A. USE FOR ALL PROPOSED EXISTING CURB REMOVAL FOR DRIVEWAYS




B. USE FOR ALL PROPOSED DRIVES ON CURBED TYPE STREETS




| | | |
|---|---|---|
| DRIVEWAYS ON CURB TYPE STREETS | DRAWN BY: L. BRIDECKA DATE DRAWN: 2-1-94 | REVISED BY: L. BRIDECKA DATE REVISED: 3-10-05 |
| COMMERCIAL AREA | APPROVED BY: L. HOOD DATE: 2-1-94 | DRAWING NO. FBC-025A |
| FORT BEND COUNTY ENGINEERING DEPARTMENT | | |

GENERAL NOTES FOR SIDEWALKS AND DRIVEWAYS

1. SAW CUT EXISTING CURB AT EACH END AND KNOCK OUT CURB FROM BEGINNING TO END OF PROPOSED DRIVEWAY.
2. SAW CUT EXISTING PAVEMENT A MINIMUM OF 18" INCHES AWAY FROM BACK OF CURB (GUTTER LINE) AND BREAK OUT TO EXPOSE EXISTING REINFORCEMENT STEEL.
3. COMPACT SUBGRADE FOR PROPOSED DRIVEWAY CONNECTION FROM PROPOSED SAW CUT AT EXISTING PAVEMENT TO RIGHT-OF-WAY LINE, COMPACT TO 95% OF STANDARD PROCTER DENSITY (+/- 2% OPT. MOISTURE). THE COUNTY ENGINEER RESERVES THE RIGHT TO REQUIRE LABORATORY TESTS TO BE CONDUCTED.
4. PLACE AND COMPACT 4" CLEAN BANK SAND.
5. MAINTAIN GUTTER LINE WITH FACE OF EXISTING CURB.
6. PROPOSED DRIVEWAY REINFORCING STEEL IS TO BE TIED TO EXISTING ROADWAY REINFORCING STEEL WITH A MINIMUM LAP OF 12 INCHES.
7. PROPOSED DRIVEWAY REINFORCING STEEL IS TO BE #4 DEFORMED REINFORCING BARS ( ASTM A615 GRADE 60, UNLESS NOTED ) SPACED AT 24 INCHES C.C., EACH WAY, WITH 12 INCHES MINIMUM LAP (6" x 6" W6 x W6 AS ALTERNATE ) FROM PROPOSED SAW CUT TO RIGHT-OF-WAY LINE.
8. PROPOSED DRIVEWAY, CURB, GUTTER LINE, AND GRADE SHALL MATCH EXISTING STREET.
9. PROPOSED DRIVEWAY SHALL BE CONSTRUCTED WITH PORTLAND CEMENT CONCRETE, CLASS "A" STRUCTURAL (REFER TO SPECIFICATION 03301), 7 INCHES THICK, FROM PROPOSED SAW CUT TO RIGHT-OF-WAY LINE (PROPERTY LINE).
10. PROPOSED SIDEWALK SHALL BE CONSTRUCTED WITH PORTLAND CEMENT CONCRETE, CLASS "A" STRUCTURAL (REFER TO SPECIFICATION 03301), 4 1/2 INCHES THICK AND 4 FEET MINIMUM WIDTH. SEE DRAWING NO. FBC 24A FOR ADDITIONAL INFORMATION AND DETAILS.

| | | |
|---|---|---|
| CONSTRUCTION NOTES FOR SIDEWALKS & DRIVEWAYS WITH CURB TYPE STREETS | DRAWN BY: L. BRIDECKA DATE DRAWN: 2-1-94 | REVISED BY: L. BRIDECKA DATE REVISED: 3-10-05 |
| COMMERCIAL AREA | APPROVED BY: L. HOOD DATE: 2-1-94 | DRAWING NO. FBC-025B |
| FORT BEND COUNTY ENGINEERING DEPARTMENT | | |

STATE OF TEXAS
DAVID E. MILLER
38718
LICENSED PROFESSIONAL ENGINEER
15 JAN. 2013

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Phone 713/977-4798 Fax 713/977-4781

KINGSBRIDGE MUNICIPAL UTILITY DISTRICT
HARRIS AND FORT BEND COUNTIES

DETAILS
STORM SEWER RECONSTRUCTION WITHIN PROVIDENCE, SECTION ONE

STORM SEWER AND DRIVEWAY DETAILS

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

TRAFFIC & TRANSPORTATION
STORM SEWER QUALITY
FACILITIES
STREET & BRIDGE

FILE NO:
DRAWING SCALE
AS NOTED
SHEET No: 12 OF 15

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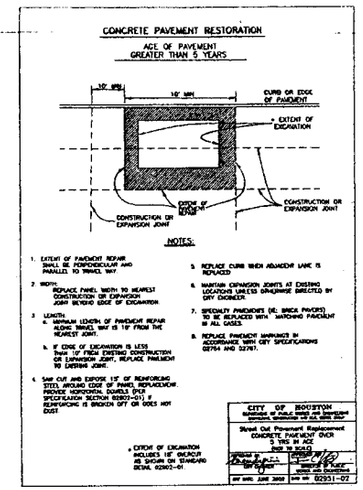
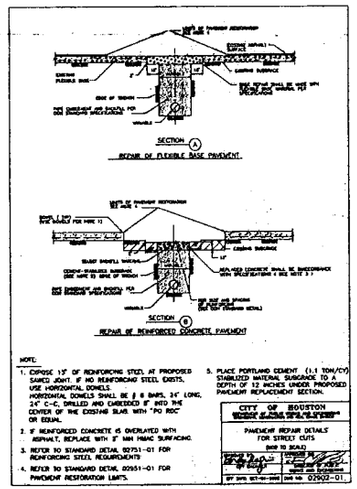
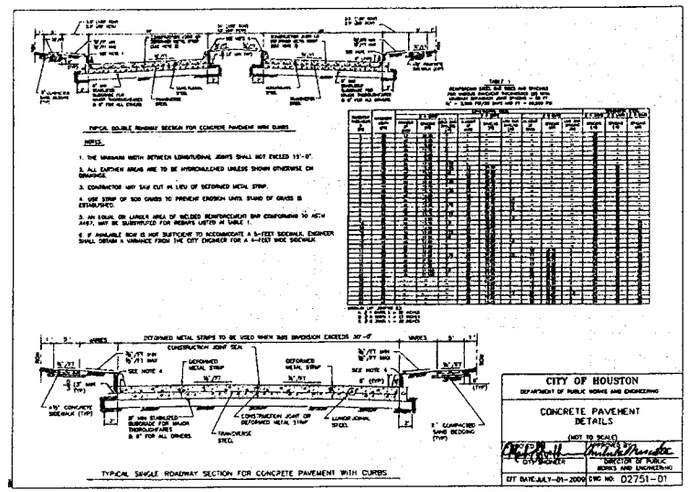
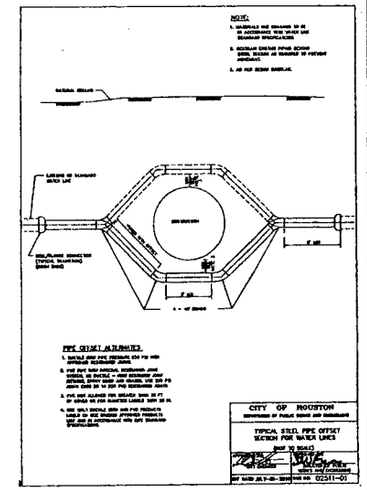
NOTIFIED AND FILED
50144
CITY DRAWING NUMBER
HOUSTON, TEXAS

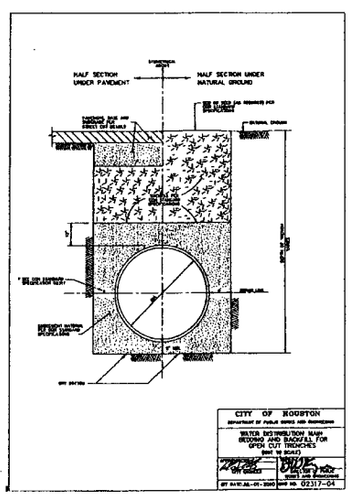
P-121

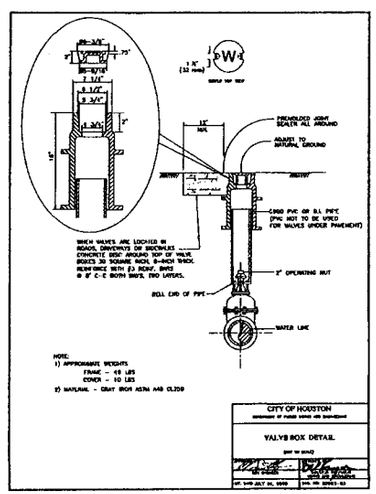


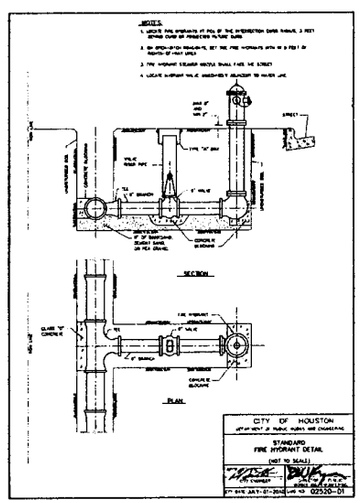



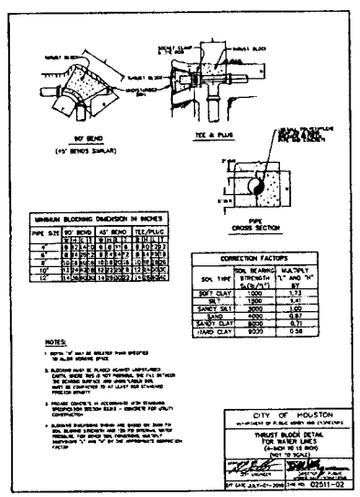




STATE OF TEXAS
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15 JAN. 2013

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KINGSBRIDGE MUNICIPAL UTILITY DISTRICT
HARRIS AND FORT BEND COUNTIES

DETAILS
STORM SEWER RECONSTRUCTION
WITHIN PROVIDENCE, SECTION ONE

# STREET CUT AND WATER LINE DETAILS

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

| | |
|---|---|
| WATER | TRAFFIC & TRANSPORTATION |
| WASTEWATER | STORM WATER QUALITY |
| 1-24-13 | FIGURES |
| STREET & BRIDGE | |

| | |
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| AS NOTED | |
| SHEET No: 13 OF 15 | |

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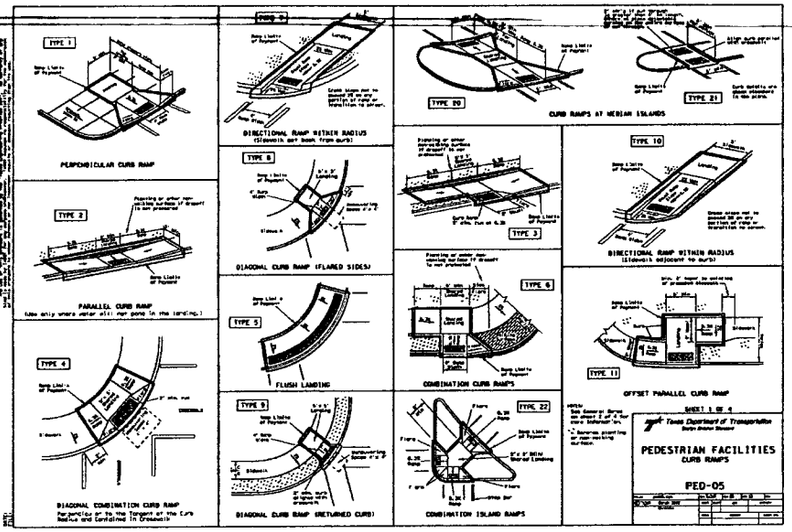
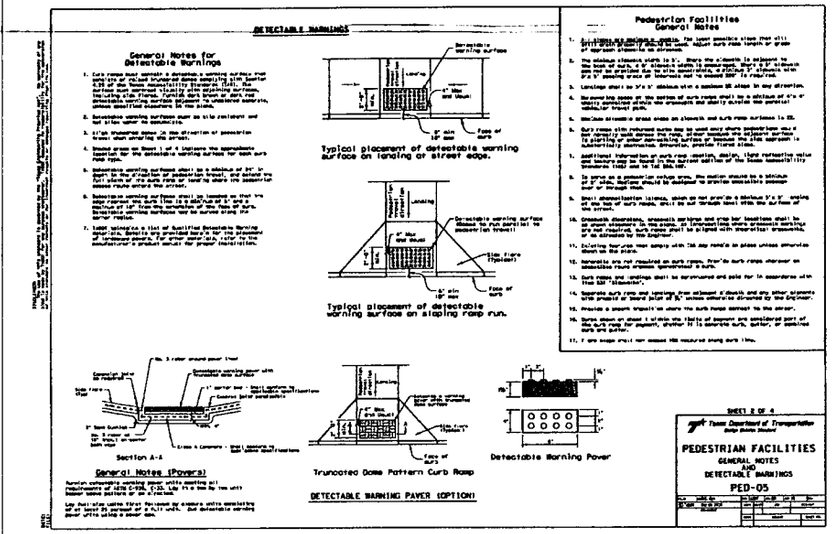
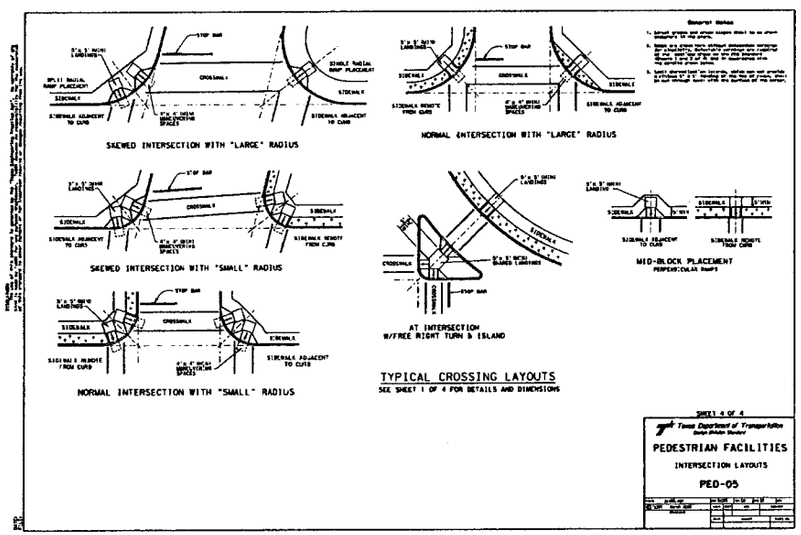
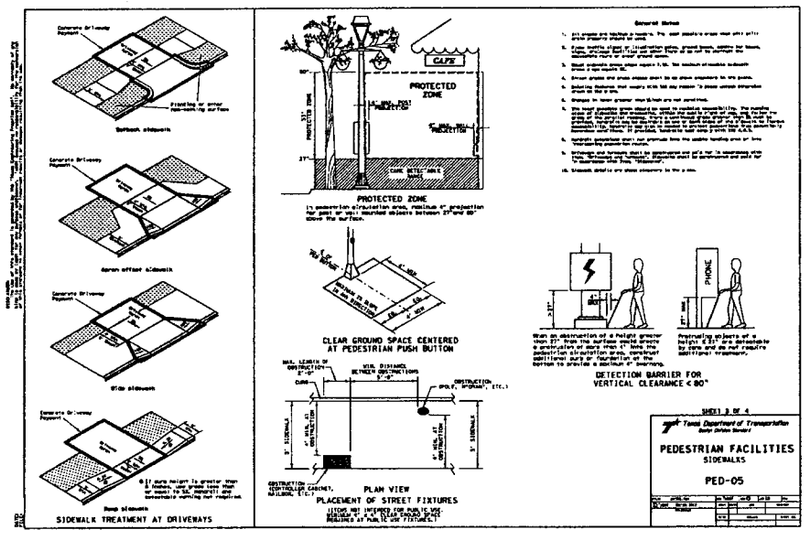



NOTE: TYPE 9 DIAGONAL CURB RAMP IS MODIFIED TO INCLUDE SOLID SOD FLARE IN LIEU OF CONCRETE FLARE.




DAVID E. MILLER
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19 Mar. 2015

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KINGSBRIDGE MUNICIPAL UTILITY DISTRICT
HARRIS AND FORT BEND COUNTIES

DETAILS
STORM SEWER RECONSTRUCTION WITHIN PROVIDENCE, SECTION ONE

TXDOT
PEDESTRIAN FACILITIES DETAILS

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

| | | |
|---|---|---|
| DATE | | WASTE & TRANSPORTATION |
| DATE | | STORM WATER QUALITY |
| DATE | | FACILITIES |
| DIRECT & BRIDGE | | |

| | |
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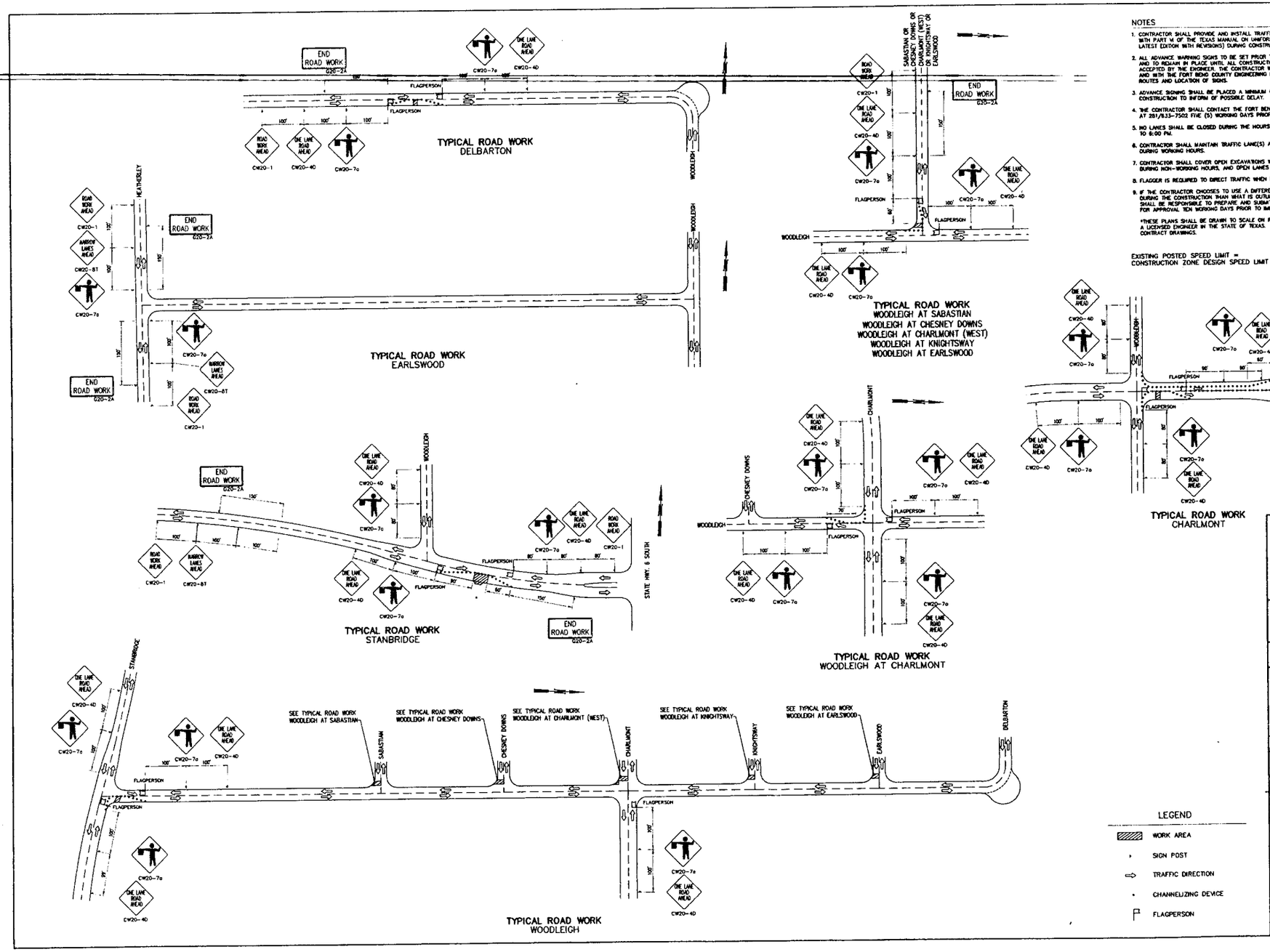
P-12




## NOTES

1. CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD - LATEST EDITION WITH REVISIONS) DURING CONSTRUCTION.
2. ALL ADVANCE WARNING SIGNS TO BE SET PRIOR TO START OF CONSTRUCTION ACTIVITIES AND TO REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE AND ACCEPTED BY THE ENGINEER. THE CONTRACTOR WILL COORDINATE WITH THE ENGINEER AND WITH THE FORT BEND COUNTY ENGINEERING DEPARTMENT IN ESTABLISHING TRAFFIC ROUTES AND LOCATION OF SIGNS.
3. ADVANCE SIGNING SHALL BE PLACED A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION TO INFORM OF POSSIBLE DELAY.
4. THE CONTRACTOR SHALL CONTACT THE FORT BEND COUNTY ENGINEERING DEPARTMENT AT 281/633-7502 FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
5. NO LANES SHALL BE CLOSED DURING THE HOURS OF 7:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM.
6. CONTRACTOR SHALL MAINTAIN TRAFFIC LANE(S) ACCORDING TO TRAFFIC CONTROL PLAN(S) DURING WORKING HOURS.
7. CONTRACTOR SHALL COVER OPEN EXCAVATIONS WITH STEEL PLATES ANCHORED PROPERLY DURING NON-WORKING HOURS, AND OPEN LANES FOR NORMAL TRAFFIC FLOW.
8. FLAGGER IS REQUIRED TO DIRECT TRAFFIC WHEN LANES ARE BLOCKED.
9. IF THE CONTRACTOR CHOOSES TO USE A DIFFERENT METHOD OF TRAFFIC CONTROL PLAN DURING THE CONSTRUCTION THAN WHAT IS OUTLINED IN THE CONTRACT DRAWINGS, (S)HE SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT ALTERNATE PLANS* TO THE ENGINEER FOR APPROVAL TEN WORKING DAYS PRIOR TO IMPLEMENTATION.

*THESE PLANS SHALL BE DRAWN TO SCALE ON REPRODUCIBLE MYLARS AND SEALED BY A LICENSED ENGINEER IN THE STATE OF TEXAS. PLANS WILL BECOME A PART OF THE CONTRACT DRAWINGS.

EXISTING POSTED SPEED LIMIT = 20 MPH
CONSTRUCTION ZONE DESIGN SPEED LIMIT = 10 MPH

## LEGEND

- WORK AREA
- SIGN POST
- TRAFFIC DIRECTION
- CHANNELIZING DEVICE
- FLAGPERSON

STATE OF TEXAS
DAVID E. MILLER
58716
REGISTERED PROFESSIONAL ENGINEER
15 JAN. 2015
(SEAL)

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KINGSBRIDGE MUNICIPAL UTILITY DISTRICT
HARRIS AND FORT BEND COUNTIES

STORM SEWER RECONSTRUCTION
WITHIN PROVIDENCE, SECTION ONE

# TRAFFIC CONTROL PLAN

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CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

| | |
|---|---|
| WATER | TRAFFIC & TRANSPORTATION |
| WASTEWATER | STORM WATER QUALITY |
| STORM | FACILITIES |
| STREET & DRAIN | |

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P-12

2/11/15