

**REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT**

112

On this 06 day of JANUARY, 2015, Commissioners Court came on to be heard and reviewed the accompanying notice of GREGORY SCARCELL/ DD GASTON PARTNERS, LLC

Job Location GASTON ROAD

Dated 12/15/14 BOND NO. B1215488, Permit No. 84732

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 3<sup>rd</sup> day of August, 1987, recorded in Volume \_\_\_\_\_ of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Article 1436a, Vernon's Texas Civil Statutes. Upon Motion of Commissioner Meyers, seconded by Commissioner Patterson, duly put and carried, it is ORDERED, 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  
301 JACKSON STREET  
RICHMOND, Texas 77469  
281-633-7500

3. This permit expires one (1) year from date of permit if construction has not commenced.

By [Signature]  
County Engineer

By N/A  
Drainage District Engineer/Manager

Presented to Commissioners Court and approved.  
Recorded in Volume 116/15  
Minutes of Commissioners Court.

Clerk of Commissioners Court  
By [Signature]  
Deputy **RENEE MICHULKA**

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

**AUTHORIZED**

BOND NO. B1215488

THE STATE OF TEXAS           §

**KNOW ALL MEN BY THESE PRESENTS:**

COUNTY OF FORT BEND       §

THAT WE, D D Gaston Partners, LLC whose address is 403 Corporate Center Dr., Ste 201, Stockbridge, GA, 30281, Texas, hereinafter called the Principal, and The Cincinnati Insurance Company, a Corporation existing under and by virtue of the laws of the State of Ohio and authorized to do an indemnifying business in the State of Texas, and whose principal office is located at 6200 So. Gilmore Rd., Cincinnati, Ohio 45014, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought within said State is Carl Gaede and whose address is 6200 So. Gilmore Rd., Cincinnati, Ohio 45014, 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 Five Thousand and No/100-- Dollars (\$5,000.00) 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 24th day of November, 2014.

D D GASTON PARTNERS, LLC

PRINCIPAL

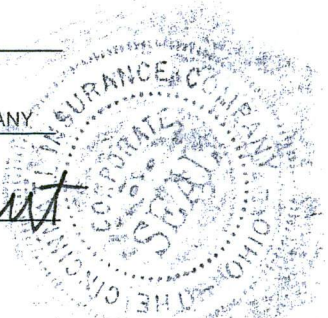
  
BY \_\_\_\_\_

THE CINCINNATI INSURANCE COMPANY

SURETY

  
BY \_\_\_\_\_

William D. Smith, Attorney-in-Fact



THE CINCINNATI INSURANCE COMPANY

Fairfield, Ohio

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That THE CINCINNATI INSURANCE COMPANY, a corporation organized under the laws of the State of Ohio, and having its principal office in the City of Fairfield, Ohio, does hereby constitute and appoint

William D. Smith, Jr.; A.D. Little; William D. Smith; David B. Burruss; Eugene Y. Northcutt; Vivian R. Crutchfield; Michael J. Dillon; James R. Elrod; Odie Elzie Wilson, III and/or William B. Witcher, Jr.

of Marietta, Georgia its true and lawful Attorney(s)-in-Fact to sign, execute, seal and deliver on its behalf as Surety, and as its act and deed, any and all bonds, policies, undertakings, or other like instruments, as follows: Any such obligations in the United States, up to

Twenty Five Million and No/100 Dollars (\$25,000,000.00).

This appointment is made under and by authority of the following resolution passed by the Board of Directors of said Company at a meeting held in the principal office of the Company, a quorum being present and voting, on the 6th day of December, 1958, which resolution is still in effect:

"RESOLVED, that the President or any Vice President be hereby authorized, and empowered to appoint Attorneys-in-Fact of the Company to execute any and all bonds, policies, undertakings, or other like instruments on behalf of the Corporation, and may authorize any officer or any such Attorney-in-Fact to affix the corporate seal; and may with or without cause modify or revoke any such appointment or authority. Any such writings so executed by such Attorneys-in-Fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company."

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company at a meeting duly called and held on the 7th day of December, 1973.

"RESOLVED, that the signature of the President or a Vice President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Secretary or Assistant Secretary and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power of certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company."

IN WITNESS WHEREOF, THE CINCINNATI INSURANCE COMPANY has caused these presents to be sealed with its corporate seal, duly attested by its Vice President this 10th day of May, 2012.



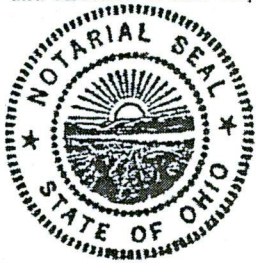
THE CINCINNATI INSURANCE COMPANY

Stephen A. Justice

Vice President

STATE OF OHIO ) ss:
COUNTY OF BUTLER )

On this 10th day of May, 2012, before me came the above-named Vice President of THE CINCINNATI INSURANCE COMPANY, to me personally known to be the officer described herein, and acknowledged that the seal affixed to the preceding instrument is the corporate seal of said Company and the corporate seal and the signature of the officer were duly affixed and subscribed to said instrument by the authority and direction of said corporation.



Mark J. Huller

MARK J. HULLER, Attorney at Law
NOTARY PUBLIC - STATE OF OHIO
My commission has no expiration date. Section 147.03 O.R.C.

I, the undersigned Secretary or Assistant Secretary of THE CINCINNATI INSURANCE COMPANY, hereby certify that the above is a true and correct copy of the Original Power of Attorney issued by said Company, and do hereby further certify that the said Power of Attorney is still in full force and effect.

GIVEN under my hand and seal of said Company at Fairfield, Ohio.
this 24th day of November, 2014



Scott R. Coler

Assistant Secretary



# COUNTY OF FORT BEND

## Engineering Department

301 JACKSON STREET  
RICHMOND, Texas 77469

Johnny Ortega  
Permit Administrator

1124 Blume Road  
Phone: (281) 633-7500

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

PERMIT NO. 084732

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

- (1) Complete Application Form.
- a. Name of road, street, and/or drainage ditch affected.
  - b. Vicinity map showing course of direction.
  - c. Plans and specifications.
- (2) Bond:
- District Attorney, approval when applicable.
  - Perpetual bond currently posted.  
No. \_\_\_\_\_  
Amount \_\_\_\_\_
  - Performance bond submitted.  
No. B1215488  
Amount \$5,000.00
  - Cashier's Check.  
No. \_\_\_\_\_  
Amount \_\_\_\_\_
- (3) Verbal permission given for emergencies, to start construction before approved in Commissioner's Court.
- |   |                               |
|---|-------------------------------|
| <input type="checkbox"/> Precinct Engineer Acknowledgment     | <input type="checkbox"/> Date |
| <input type="checkbox"/> Precinct Commissioner Acknowledgment | <input type="checkbox"/> Date |
- (4) \_\_\_\_\_  
Drainage District Approval when applicable

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

  
Johnny Ortega CFM/ Permit Administrator  
(REVISED 5/30/08)

01/06/2015  
Date

FORT BEND COUNTY ENGINEERING PERMIT DEPARTMENT  
CONSTRUCTION OF DRIVEWAYS AND CULVERTS ON COUNTY EASEMENTS AND RIGHT OF WAYS  
COMMERCIAL PIPE PERMIT APPLICATION

1124 BLUME ROAD ROSENBERG, TX 77471

Mailing Address: 301 Jackson Richmond, Texas 77469

(Phone) 281-633-7502 or 7503 • (Fax) 281-633-7545

APPLICANT INFORMATION

Application No. 84732  
(County Use Only)

Applicant Name Gregory Sscarcell  
Applicant Mailing Address 4635 Southwest Freeway, Suite 420  
City Houston State Texas Zip 77027  
Work Phone 713-840-0910 Daytime Phone 713-878-2098  
Property Owner's Name DD Gaston Partners, LLC Phone 713-840-0910  
Property Owner's Mailing Address 403 Corporate Center Drive  
City Stockbridge State GA Zip 30281

LOCATION OF PROPERTY

Subdivision \_\_\_\_\_ Sec \_\_\_\_\_ Lot \_\_\_\_\_ Blk \_\_\_\_\_  
Physical Address 6800 Gaston Rd, Katy, TX 77494

(PLEASE ATTACH SITE MAP)

SITE USE

Driveway Curb & Gutter Section  \_\_\_\_\_  
Culvert Only  \_\_\_\_\_  
Driveway - Open Ditch Section  \_\_\_\_\_  
Other  DRIVEWAY APPROACH \_\_\_\_\_

As of 9/1/2014, we will no longer mail out permits. Instead, we will email them.

Please complete:

Name:  
GREGORY SCARCELL

Email address:  
gscarcell@txmorrow.com

DRIVEWAY REQUIREMENTS

Length 20' minimum and 40' maximum Number of drives 1  
(See - Fort Bend County Procedures to be followed for Commercial Driveway, and Median Openings or Modifications)  
Available on website www.co-fort-bend.tx.us

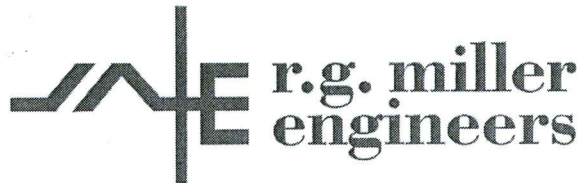
Does project comply with Fort Bend County Lighting Regulation Yes ( X ) No ( )  
(See- Fort Bend County Outdoor Lighting Regulation on website www.co.fort-bend.tx.us )

- By signing and submitting this permit application, I am stating that I am the owner of this property and I am aware of and agree to abide by the Fort Bend County Regulations of Subdivisions and I am aware of Section 2, Item F in the Permits for the Construction of Driveways & Culverts on County Easements and Right of Ways in Fort Bend County, and am responsible to obtain all other required permits associated with the above mentioned property. Driveway and Pipe Permits shall provide that construction pursuant to the permit will be commenced within six months and be completed within nine months from the date of the permit and that fees collected for said permits shall not be refundable or transferable. I further understand the permit fee, in the form of CASH or PERSONAL CHECK or COMPANY CHECK or a CASHIERS CHECK or MONEY ORDER payable to FORT BEND COUNTY, must be attached.
- The undersigned applicant, agent or attorney hereby certifies to Commissioners' Court to be strictly bound to Commissioners' Court to construct the driveway and/or culvert in strict conformity with the plans, specifications, terms, provisions and conditions of the permit and any other written material incorporated by reference in this application.
- Other permits may be required for development. Please contact the Fort Bend County Road & Bridge Department for pipe sizing or the Fort Bend County Health Department for information on On-Site Sewage Facility permits prior to planning construction.
- Failure to possess or obtain required permits will result in legal action against the property owner as allowed by law.

Gregory Sscarcell  
Signature of Applicant, Agent or Attorney

11/25/14  
Date

Gregory Sscarcell  
Printed Name



November 21, 2014

Mr. Gregory Scarcell  
TX-Morrow Construction, Inc.  
4635 Southwest Freeway, Suite 420  
Houston, Texas 77027

RE: Gaston Road Apartments

Dear Mr. Scarcell:


This letter is in regards to the Driveway Bond for the referenced Project.

It is my understanding that this bond will be required for the proposed driveway connection from the above mentioned project to Gaston Road and will be based on the cost of construction for these item.

1. Construction Cost Estimate of 900 sq. ft. of pavement in the Gaston Road R.O.W. = \$4,500.
2. Construction Cost Estimate of 2388 sq. ft. of pavement on-site = \$11,940

Thank you for your assistance in this matter. Please call if you require any additional information.

Yours truly,  
**R. G. Miller Engineers, Inc.**

  
Randall E. Siemon, P.E.  
Senior Project Manager

RS/pd



S:\3795 Gaston Road Apartments\Admin\Corres\L-5 Driveway Bond.doc

# FORT BEND COUNTY M.U.D. 34

FORT BEND COUNTY, TEXAS  
PLANS FOR CONSTRUCTION

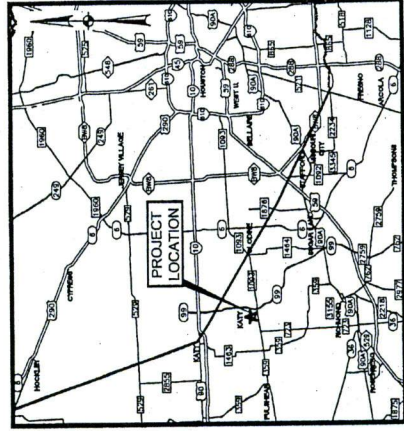
OF

PAVING, STORM SEWER, SANITARY SEWER, AND WATER LINE  
TO SERVE

# DAVIS GASTON APARTMENTS

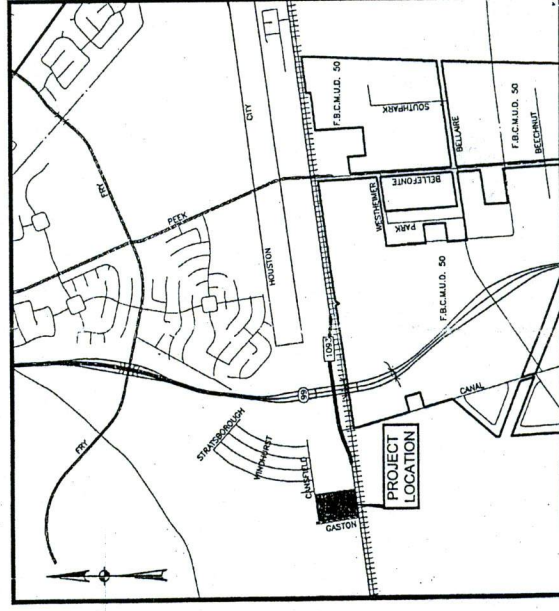
17.301 ACRES

6800 GASTON ROAD KATY, TX 77494



LOCATION MAP

N.T.S.



KEY MAP # 525E & 525F  
GIMS # 4454A  
ZIP CODE # 77494

N.T.S.

Sheet No.	Sheet Title
C1	COVER SHEET - Publish
C2	GENERAL NOTES
C3	DIMENSION CONTROL PLAN
C4	GRADING PLAN
C5	STORM SEWER LAYOUT
C6	SANITARY SEWER LAYOUT
C7	WATER LINE LAYOUT
C8	DRAINAGE AREA MAP
C9	DRAINAGE AREA MAP CALCULATIONS
C10	UTILITY CROSSINGS LAYOUT
C11	UTILITY CROSSINGS PROFILE
C12	FIRE APPARATUS ACCESS ROAD
C13	STORM WATER POLLUTION PREVENTION PLAN
C14	STORM WATER POLLUTION PREVENTION DETAILS
C15	MISCELLANEOUS DETAILS
C16	MISCELLANEOUS DETAILS
C17	STORM SEWER OUTFALL DETAILS
C18	TOPOGRAPHIC SURVEY
C19	PLAT
C20	PLAT-NOTES

**r.g.miller**  
**engineers**  
since 1966

12121 wickchester lane  
suite 200  
houston, texas 77079  
phone: 713-461-9600

TEXAS FIRM REGISTRATION NO. F-487

*Richard W. Stolleis*  
RICHARD W. STOLLEIS, P.E.  
FORT BEND COUNTY ENGINEER  
MVA #022113

10/28/13  
DATE



9-10-13



F.B.C.M.U.D. 34  
FORT BEND COUNTY  
DAVIS GASTON APARTMENTS  
17.301 ACRE

DIMENSIONAL CONTROL PLAN

DATE: APRIL, 2013  
DRAWN BY: J.A.K.  
FIELD CHECK BY: J.A.K.  
FINAL CHECK BY: T.A.F.

**BENCHMARK:**  
NGCSD 67  
BEING A PUNCH MARK IN THE TOP OF A STAINLESS STEEL ROD INSIDE A 1-INCH DIAMETER PVC PIPE 54.5 FEET NORTH OF THE CENTERLINE OF F.M. 1093, 56.5 FEET WEST OF THE CENTERLINE OF F.M. 1093, 15 FEET SOUTH OF THE CENTERLINE OF F.M. 1093, 15 FEET SOUTHWEST OF THE SOUTHEASTMOST 45 DEGREE FENCE CORNER, ACCESS THROUGH A 5-INCH CAP LOGO

**TEMPORARY BENCHMARK "A":**  
"BOX" CUT ON BACK OF CURB OF NOSE OF MEDIAN AT THE INTERSECTION OF GASTON ROAD AND F. M. 1093.  
ELEVATION= 113.57 FEET NAVD 83 (2001 ADJUSTMENT)

**TEMPORARY BENCHMARK "B":**  
"BOX" CUT ON MEDIAN BACK OF CURB APPROXIMATELY 665 FEET FROM INTERSECTION OF GASTON STREET AND F.M. 1093  
ELEVATION= 111.06 FEET NAVD 83 (2001 ADJUSTMENT)

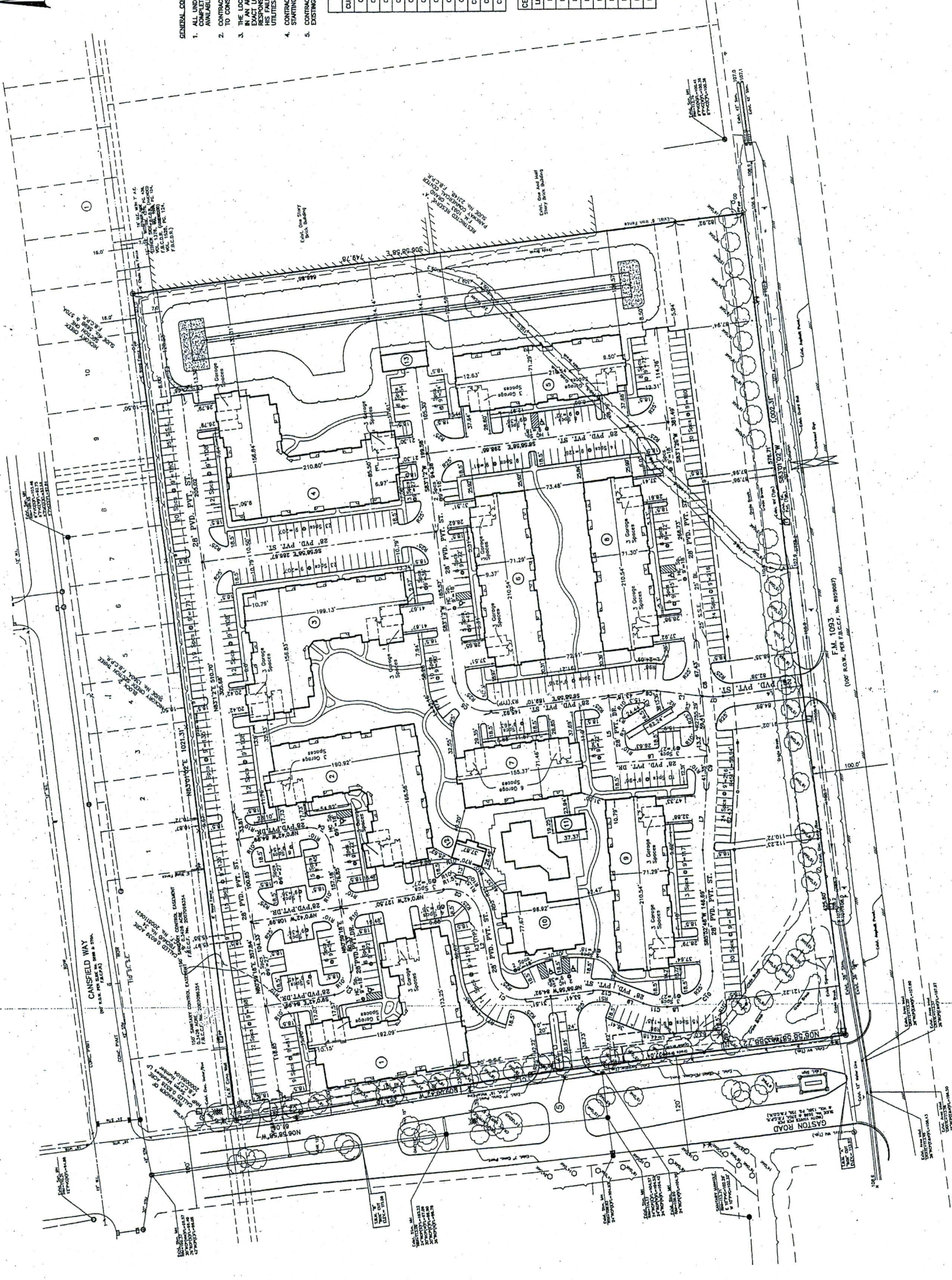
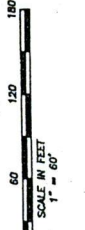
**FLOODPLAIN:**  
THIS PROPERTY LIES WITHIN THE BOUNDARIES OF FLOODPLAIN ZONE "X" (UNSHADED) AREAS OUTSIDE THE 500 YEAR FLOODPLAIN, AS PER THE FLOOD INSURANCE RATE MAPS, MAP NUMBER 48157C0085, REVISED JANUARY 3, 1997.

- GENERAL CONSTRUCTION NOTES**
- ALL UNDERGROUND UTILITIES SHOWN ARE NOT GUARANTEED TO BE AVAILABLE OR DEFINITE BUT, WERE OBTAINED FROM THE BEST INFORMATION AVAILABLE.
  - CONTRACTOR TO VERIFY ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION.
  - THE LOCATION OF ALL UTILITIES PRESENTED ON THESE DRAWINGS IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.
  - CONTRACTOR TO OBTAIN ALL PERMITS AND APPROVALS REQUIRED PRIOR TO STARTING CONSTRUCTION.
  - CONTRACTOR TO COORDINATE WITH CENTERPOINT FOR RE-LOCATION OF EXISTING STREET LIGHT POLE.

CENTER LINE-CURVE TABLE			
CURVE	RADIUS	DELTA	ARC LENGTH
C1	39.00	87°58'16"	59.88
C2	39.00	87°00'00"	61.26
C3	24.00	80°00'00"	37.70
C4	24.00	80°00'00"	37.70
C5	39.00	87°58'16"	61.26
C6	65.00	14°4'59"	15.98
C7	100.00	14°4'59"	24.58
C8	2789.28	2°37'28"	126.84
C9	418.00	7°28'41"	54.56
C10	39.00	89°59'37"	61.26
C11	65.00	25°49'35"	29.30
C12	65.00	28°41'16"	32.55

CENTER LINE-CURVE TABLE		
LINE	BEARING	LENGTH
L1	N83°12'E	92.10
L2	N02°59'18"E	69.52
L3	S76°11'W	55.05
L4	S6°59'06"E	97.38
L5	S83°12'W	82.44
L6	S47°34'E	109.06
L7	N85°12'28'W	72.79
L8	N47°34'W	18.65
L9	N21°42'18'E	31.31

BOUNDARY-CURVE TABLE			
CURVE	RADIUS	DELTA	ARC LENGTH
C1	500.00	02°01'44"	17.71
C2	500.00	02°01'44"	17.71





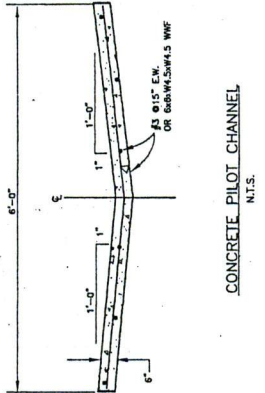


F.B.C.M.U.D. 34  
FORT BEND COUNTY  
DAVIS GASTON APARTMENTS  
17.301 ACRE

DATE: APRIL, 2013  
DRAWN BY: J.A.K.  
FIRST CHECK BY: J.A.K.  
SCALE: N.T.S.  
FIELD CHECK BY: J.A.K.  
FINAL CHECK BY: J.A.K.

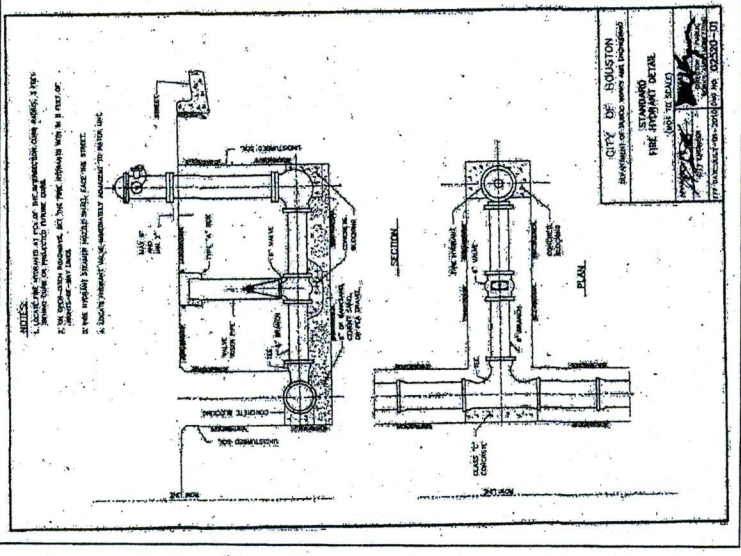
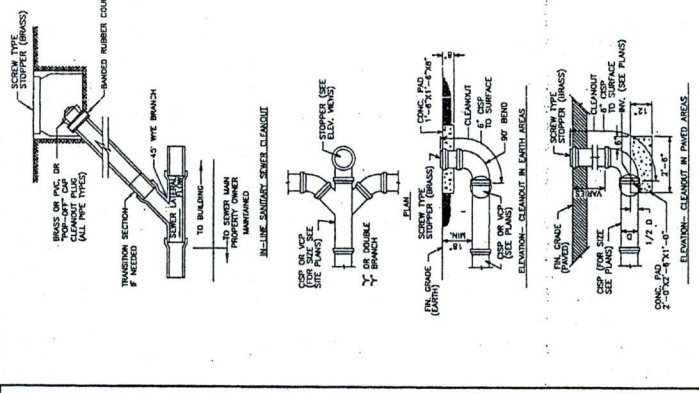
MISCELLANEOUS DETAILS

REVISIONS:

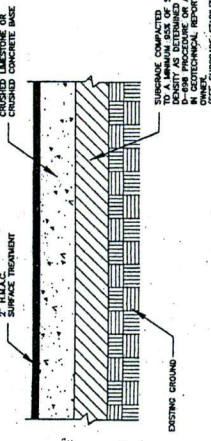


CONCRETE PILOT CHANNEL  
N.T.S.

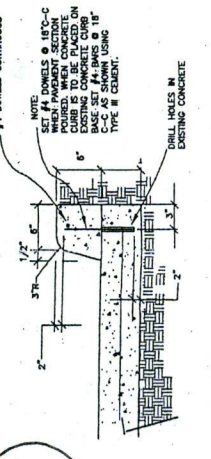
TYPICAL CLEANOUT



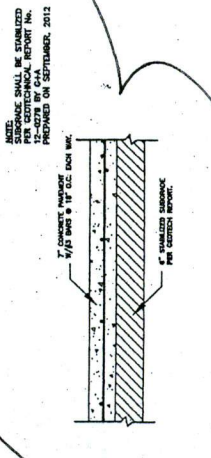
TYPICAL CLEANOUT  
N.T.S.



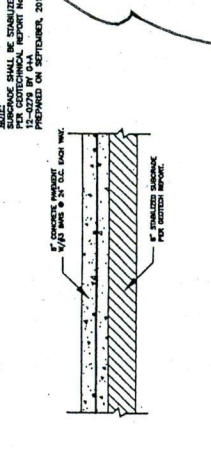
ASPHALT PAVEMENT SECTION  
N.T.S.



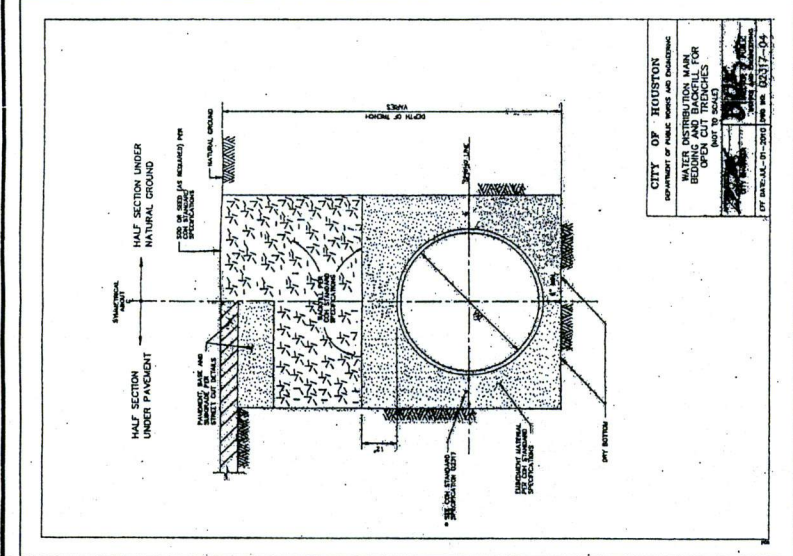
6" CONCRETE CURB DOWELLED ON  
N.T.S.



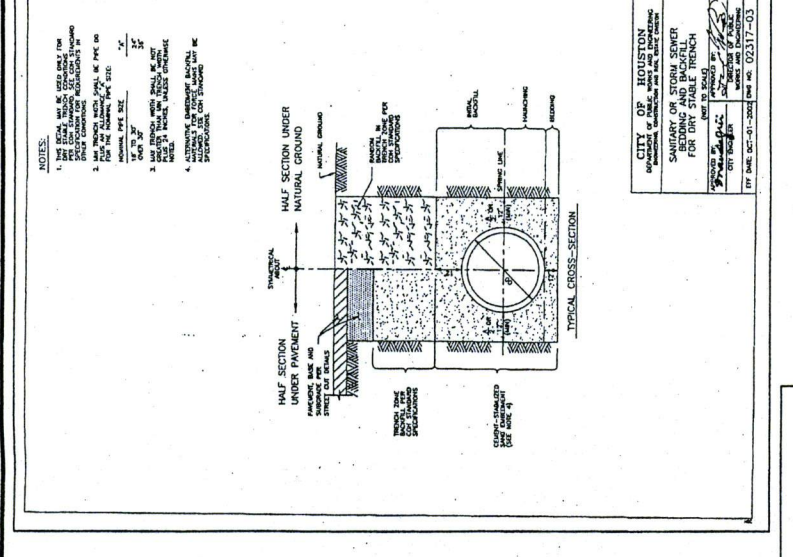
7" CONCRETE PAVEMENT SECTION  
N.T.S.



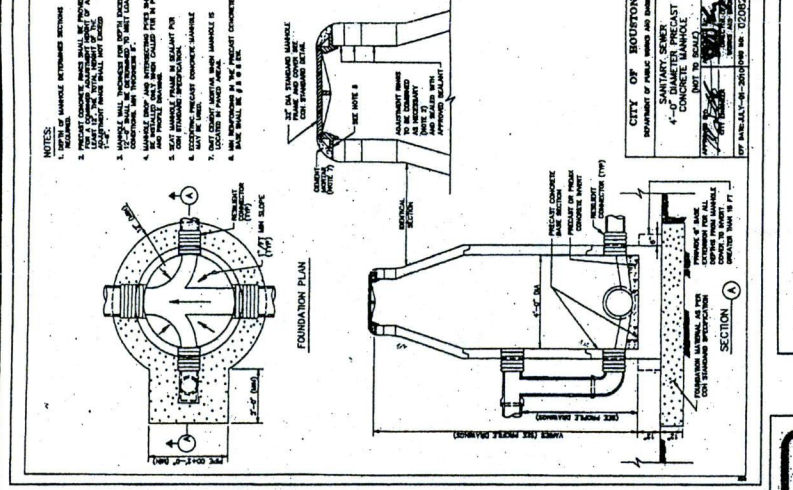
5" CONCRETE PAVEMENT SECTION  
N.T.S.



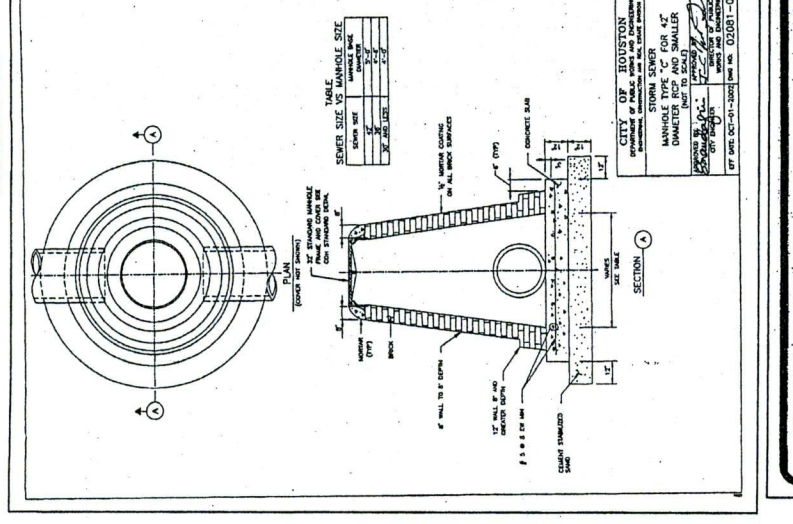
HALF SECTION UNDER NATURAL GROUND  
HALF SECTION UNDER PAVEMENT  
N.T.S.



HALF SECTION UNDER NATURAL GROUND  
HALF SECTION UNDER PAVEMENT  
N.T.S.



HALF SECTION UNDER NATURAL GROUND  
HALF SECTION UNDER PAVEMENT  
N.T.S.



HALF SECTION UNDER NATURAL GROUND  
HALF SECTION UNDER PAVEMENT  
N.T.S.

**GENERAL NOTES:**

- CONTACT THE UTILITY ENGINEER FOR THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF HOUSTON.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF HOUSTON.
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**SIDWALKS & DRIVEWAYS ON CURB TYPE STREETS COMMERCIAL AREA**

REVISIONS BY: J. NEAROUS  
DATE: 2-1-84  
DATE REVISION: 4-7-09

APPROVED BY: L. WOOD  
DATE: 2-1-84

FORT BEND COUNTY ENGINEERING DEPARTMENT

**SPARK**

CONCRETE: 2500  
REINFORCEMENT: 4# BARS @ 18" C  
FINISH: 1" THICK

CL. 2500

DATE: 2010

SCALE: 1/4" = 1'-0"

PROJECT: 02317-03

DATE: 02-11-2010

BY: J.A.K.

CH. 2500

DATE: 2010

SCALE: 1/4" = 1'-0"

PROJECT: 02317-03

DATE: 02-11-2010

BY: J.A.K.

**CITY OF HOUSTON**

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

STANDARD SPECIFICATIONS FOR CONSTRUCTION OF STREETS AND SIDEWALKS

SECTION 02317-03

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**CITY OF HOUSTON**

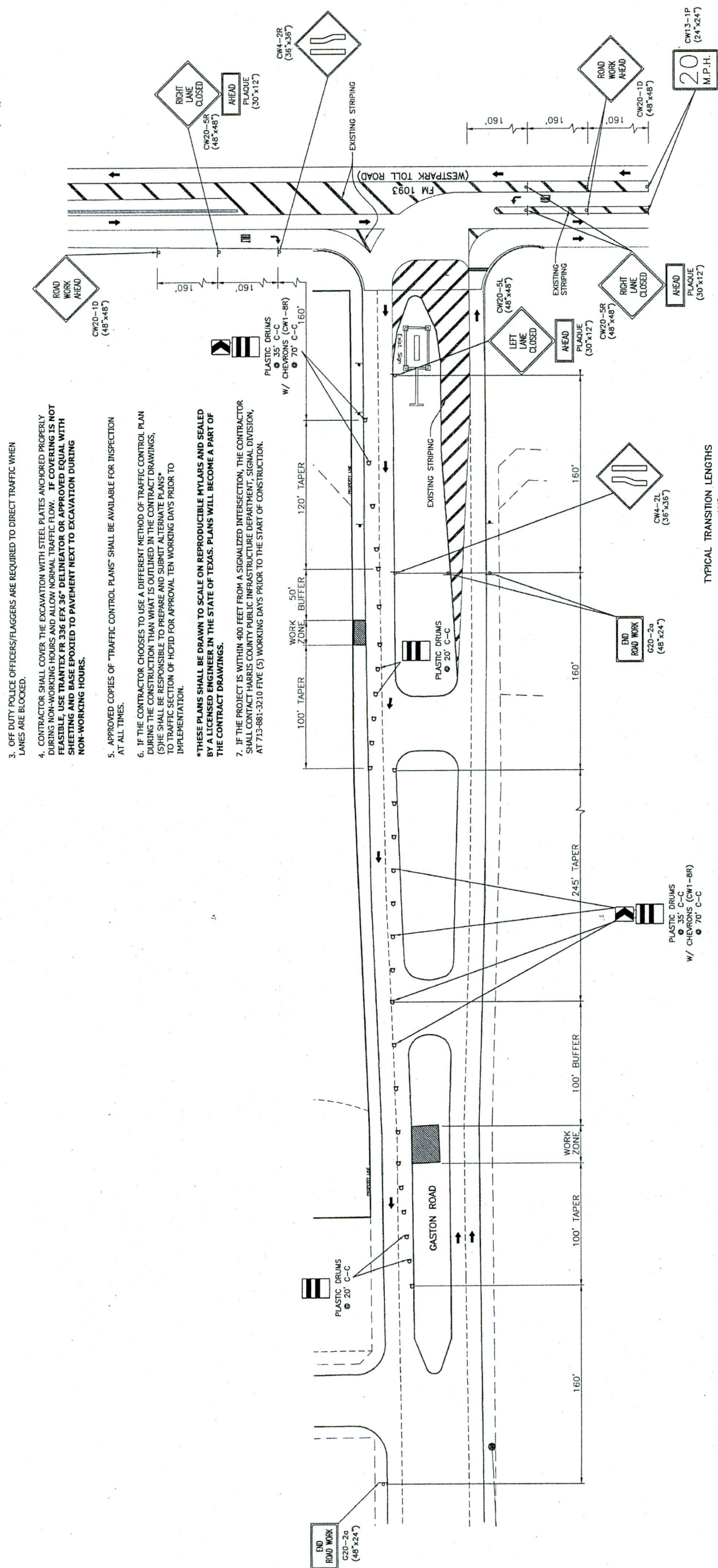
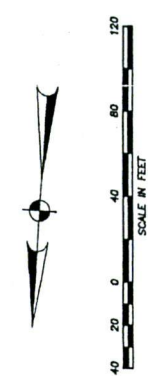
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**LEGEND**

- P DRUM W/VERTICAL PANEL OR CHEVRON
- F TRAFFIC SIGN
- WORK AREA
- TRAFFIC LANES & DIRECTION

POSTED SPEED LIMIT = 35 MPH

**TYPICAL TRANSITION LENGTHS AND SUGGESTED MAXIMUM SPACING OF DEVICES**

Posted Speed	Formula	Minimum Desirable Taper Lengths			Suggested Maximum Spacing of Device		
		10' Offset	11' Offset	12' Offset	On Taper	On Tangent	On a Tangent
30		150'	165'	180'	30'	60'-75'	
35	$L = \frac{WS^2}{60}$	205'	225'	245'	35'	70'-90'	
40		265'	295'	320'	40'	80'-100'	
45		450'	495'	540'	45'	90'-110'	
50		500'	550'	600'	50'	100'-125'	
55	$L = WS$	550'	605'	660'	55'	110'-140'	
60		600'	660'	720'	60'	120'-150'	
65		650'	715'	780'	65'	130'-175'	

**CONSTRUCTION WARNING SIGN SPACING**

Posted Speed or 85% Speed (MPH)	Min. Distance (feet)
30 or less	120
35	160
40	240
45	320
50	400
55	500
65	750

X=SIGN SPACING  
L=TAPER  
2AL=TANGENT

• 85th Percentile Speed may be used on roads where traffic speeds normally exceed the posted speed limit.  
• Taper lengths have been rounded off.

- TRAFFIC NOTES**
- CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) - LATEST EDITION WITH REVISIONS DURING CONSTRUCTION.
  - NO LANES SHALL BE BLOCKED FROM 7 A. M. TO 9 A. M. AND 4 P. M. TO 6:30 P. M. MONDAY THRU FRIDAY.
  - OFF DUTY POLICE OFFICERS/FLAGGERS ARE REQUIRED TO DIRECT TRAFFIC WHEN LANES ARE BLOCKED.
  - CONTRACTOR SHALL COVER THE EXCAVATION WITH STEEL PLATES ANCHORED PROPERLY DURING NON-WORKING HOURS AND ALLOW NORMAL TRAFFIC FLOW. IF COVERING IS NOT FEASIBLE, USE TRANTEK FR 336 EFX 36" DELINEATOR OR APPROVED EQUAL WITH SHEETING AND BASE EXPOSED TO PAVEMENT NEXT TO EXCAVATION DURING NON-WORKING HOURS.
  - APPROVED COPIES OF "TRAFFIC CONTROL PLANS" SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES.
  - 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 TRAFFIC SECTION OF HOTD 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.
  - IF THE PROJECT IS WITHIN 400 FEET FROM A SIGNALIZED INTERSECTION, THE CONTRACTOR SHALL CONTACT HARRIS COUNTY PUBLIC INFRASTRUCTURE DEPARTMENT, SIGNAL DIVISION, AT 713-981-3210 FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.