



REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

Fort Bend County

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

Right of Way	Permit
X Commercial D	Priveway Permit
Permit No: 2018-18	9974
Applicant: Lischka Utilities, LP	
Job Location Site: 20000 Beechnut Street, Richmon	d. TX 77407
Bond No. Date of Bond: 4/3/2	2018 Amount: \$5,000.00
Laying, Construction, Maintenance, and Repair of Buried Roads, Streets, Highways, and Drainage Ditches in Fort B Commissioners Court of Fort Bend County, Texas," as pas	ssed by the Commissioners Court of Fort Bend County, t Bend County, Texas, to the extent that such order is not
grounds for job shutdown. 2. Written notices are required: a. 48 hours in advance of construction	I ready for final inspection, submit notification to Permit Online.org portal.
	d carried, it is ORDERED, ADJUDGED AND DECREED that said the Commissioners Court of Fort Bend County, Texas, and
Signature	Presented to Commissioners Court and approved.
By: Rid Staigle 1E, PTOE County Engineer	Date Recorded 4-6-2018 Comm. Court No. 12C
N/A By: Drainage District Engineer/Manager	Clerk of Commissioners Court By: Deputy Deputy
<i>z</i> , <i>z</i>	·



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

Fort Bend County Engineering Department 301 Jackson Suite 401

Richmond, Texas 77469 281.633.7500 Permits@fortbendcountytx.gov

	ht of Way Permit		
	nmercial Driveway	Permit	
Permit No	o: 2018-18974		
The following "Notice of Proposed Cable, Condattachments have been reviewed and the noti of Fort Bend County, Texas.			
(1) COMPLETE APPLICATION FORM:			
X a. Name of road, street, and/o	r drainage ditch affe	cted.	
X b. Vicinity map showing course	of directions		
X c. Plans and specifications			
(2) BOND:			
County Attorney, approval whe	en		
Perpetual bond currently posted.	Bond No:	Amount:	
X Performance bond submitted.	Bond No:	Amount: \$5,000.00	
Cashier's Check	Check No:	Amount:	
(3) DRAINAGE DISTRICT APPROVAL (WHI	EN APPLICABLE):		
Drainage District Approval	_	Date	
We have reviewed this project and agree it	meets minimum rec	uirements.	
Rid & staigle, 16, PTOE		3/23/2018	
Permit Administrator		Date	



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

Grand Vista Section 21 (PO 27060) obo FBCMUD No. 30

BOND

THE STATE OF TEXAS

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND	
THAT WE, Lischka Utilities, LP whose (addr	ress, phone) is P.O. Box 853
Bellville, TX 77418 ,979-865-5941 Texas, hereinafter called the	Principal, and Fidelity and Deposit Company of Maryland
a Corporation existing under and by virtue of the laws of the state of M	D and authorized to do an indemnifying business
	847) 605-6000 whose officer
residing in the State of Texas, authorized to accept service in all	suits and actions brought whining said state is
Tracey Lee Haley and whose address is 15303 Dallas F	Parkway, Suite 800, Addison, TX 75001
hereinafter called the Sur	rety, and held and firmly bound unto , Robert E.
	rs ($$5,000.00$) current, lawful money of the
United States of America, to be paid to said Robert E. Hebert, County Ju	dge of Fort Bend County, Texas, or his successors in
office, to which payment well and truly to be made and done, we, the ur executors, administrators, successors, assigns, and legal representatives	indersigned, bind ourselves and each of us, our neirs,
THE CONDITION OF THIS BOND IS SUCH THAT, WHEREAS, the constructing maintaining and/or repairing one or more cables, conduit roads, streets and highways, commercial driveway and median opening	s, and/or pole lines in, under, across and/or along
the State of Texas, under the jurisdiction of the Commissioners' Co	urt of Fort Bend County, Texas, pursuant to the
Commissioners' Court order adopted on the 1st day of December, A.D. 1	1980, recorded in Volume 13, of the Commissioners'
Court Minutes of Fort Bend County, Texas, regulating same, which Cor	nmissioners' 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 Coun conduit and/or pole line activity, commercial driveway and median Ope	ty with a performance bond covering all such cable, nings or modifications;
NOW, THEREFORE, if the above bounden principal shall faithf	ully perform all its cable, conduit and/or pole line
activity (including, but not limited to the laying, construction, mainten lines) in, under, across and/or along roads, streets and highways, modifications in the County of Fort Bend and State of Texas, under the ju	ance and/or repair of cables, conduits and/or pole commercial driveway and median openings or
County, Texas, pursuant to and in accordance with minimum requi	rements and conditions of the above mentioned
Commissioners' Court order set forth and specified to be by said principal	I done and performed, at the time and in the manner
therein specified, and shaft pay over and make good and reimburse Fort	Bend County, all loss and damages which Fort Bend
County may sustain by reason of any failure or default on the part of s	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 itse	elf insecure under this bond, it may require further
and/or additional bonds of the principal.	
5-h 2010	
EXECUTED this 26th day of February 2018	
	Lischka Vtilities, LP
	PRINCIPAL
	CCIVC
DEPORT	ВУ
T OFFICE	Fidelity and Deposit Company of Maryland
15/5 1/2	SURETY,
181 1890 /5/	Honn D

By Danielle D Johnson, Attorney, in-Fact

CCM 4-3-2018 #12 C Fort Bend County Clerk Return Admin Serv Coord Permit#2018-18974 RAC

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, <u>Attorneys-in-Fact</u>. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify of revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, 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 seals of the said Companies, this 26th day of February , 2018 ___.







Gerald F. Haley, Vice President

Gerald 7. Haley

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT ALL REQUIRED INFORMATION TO:

Zurich American Insurance Co. Attn: Surety Claims 1299 Zurich Way Schaumburg, IL 60196-1056

Obligee: Fort Bend County, Robert E. Hebert, County Judge

ZURICH AMERICAN INSURANCE COMPANY COLONIAL AMERICAN CASUALTY AND SURETY COMPANY FIDELITY AND DEPOSIT COMPANY OF MARYLAND POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Maryland, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Maryland (herein collectively called the "Companies"), by Michael P. Bond, Vice President, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint Danielle D Johnson _______, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: any and all bonds and undertakings, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York, the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland, and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland, in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 22nd day of July, A.D. 2015.

ATTEST: ZURICH AMERICAN INSURANCE COMPANY COLONIAL AMERICAN CASUALTY AND SURETY COMPANY FIDELITY AND DEPOSIT COMPANY OF MARYLAND

By: Michael P. Bond Vice President

MilO RI

Lie D Bourt

By: Eric D. Barnes
Secretary

State of Maryland County of Baltimore

On this 22nd day of July, A.D. 2015, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, Michael P. Bond, Vice President and Eric D. Barnes, Secretary of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Constance A. Dunn, Notary Public My Commission Expires: July 9, 2019

Constance a. De





Disclosure Statement

NOTICE OF DISCLOSURE FOR AGENT & BROKER COMPENSATION

If you want to learn more about the compensation Zurich pays agents and brokers visit:

http://www.zurichnaproducercompensation.com

or call the following toll-free number: (866) 903-1192.

This Notice is provided on behalf of Zurich American Insurance Company and its underwriting subsidiaries.



Texas Important Notice

IMPORTANT NOTICE

To obtain information or make a complaint:

You may call Zurich North America's toll-free telephone number for information or to make a complaint at:

1-800-382-2150

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) 490-1007

Web: www.tdi.texas.gov

E-mail: ConsumerProtection@tdi.texas.gov

PREMIUM OR CLAIM DISPUTES:

Should you have a dispute concerning your premium or about a claim, you should contact the company 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.

AVISO IMPORTANTE

Para obtener información o para presentar una queja:

Usted puede llamar al número de teléfono gratuito de Zurich North America's para obtener información o para presentar una queja al:

1-800-382-2150

Usted puede comunicarse con el Departamento de Seguros de Texas para obtener información sobre compañías, coberturas, derechos, o quejas al:

1-800-252-3439

Usted puede escribir al Departamento de Seguros de Texas a:

P.O. Box 149104

Austin, TX 78714-9104

Fax: (512) 490-1007

Sitio web: www.tdi.texas.gov

E-mail: ConsumerProtection@tdi.texas.gov

DISPUTAS POR PRIMAS DE SEGUROS O RECLAMACIONES:

Si tiene una disputa relacionada con su prima de seguro o con una reclamación, usted debe comunicarse con la compañía primero. Si la disputa no es resuelta, usted puede comunicarse con el Departamento de Seguros de Texas.

ADJUNTE ESTE AVISO A SU PÓLIZA: Este aviso es solamente para propósitos informativos y no se convierte en parte o en condición del documento adjunto.

FILED AND RECORDED OFFICIAL PUBLIC RECORDS

(*)

Laura Richard, County Clerk Fort Bend County Texas April 05, 2018 02:33:26 PM

FEE: \$0.00

DP2

2018035764

CONSTRUCTION PLANS FOR WATER, SEWER, DRAINAGE AND PAVING IMPROVEMENTS

GRAND VISTA SECTION 21

WITHIN

FORT BEND COUNTY M.U.D. No. 30 FORT BEND COUNTY, TEXAS

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1 2 3 4 5 6 7	COVER SHEET OOSTBUCTION NOTES OOSTBUCTION NOTES OOSTBUCTION NOTES OOSTBUCTION NOTES OOSTBUCTION NOTES OOSTBUCTION NOTES OOSTBUCTION DAY NOTES OOSTBUCTION TRAFFIC CONTROL, PLAN FOR BEECHNUT STREET
	PLAN AND PROFILE
8 9 10	ASPEN DOWNS LANE AND BELFAST MANOR LANE BELFAST MANOR LANE AND TRENTON RIDGE TRACE VISTA LANDING TRAIL, PROVIDENCE LANDING LANE AND GREEN WOOD MEADOW TRAIL 48"STORM SEWER AND 3 - 12" STORM SEWER
	MISCELLANEOUS
12 13 14 15 16 17 18 19 20 21 21 22 23	DEATMORT EFFAILS ANTISE OFFAILS WATER MAIN DISTALS BEDDING DEATLES, FORT BEIND COUNTY RESIDENTIAL SANTIARY SEWER DESTALS ANTISATY SEWER DESTALS - TADDIT - PERSENTIAN FACILITIES CLIEB RAMPS (PED-12A - TROOT, PERSENTAN FACILITIES CLIEB RAMPS (PED-12A - TROOT, PERSENTIAN FACILITIES CLIEB RAMPS (PED-12A - TROOT, PERSENTAN FACILITIES CLIEB RAMPS

JOB No.: 2015022-201-211

JANUARY 2016



THE STANDARD SHEET SPECIFICALLY INDENTIFIED BY A 480 HAS BEEN SELECTED BY ME OR UNDER RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

(4) STATEWIDE TXDOT STANDARD

FRIJE
FROD INSURANCE RATE MAP: FORT BEND COUNTY, TEXAS
AND INCORPORATED AREAS.
MAP NO. 4887COUSOL, 46857COUSOL
MAP REVISED: APREL 2, 2014
FREYISED: APREL 2, 2014
FREY SPORGET IS LOCATED IN UNSHADED ZONE X, OUTSIDE

OG NO. 15-1673

TO ARRANCE FOR LINES TO BE TUNNED OFF OR MOVED, CALL CENTERPH DERRY AT 713-207-2222.

NOTICE:
For your sofety, you are required by Texas Low to coll 811 of 1e hours before you dig as on that underground less can be morrised werification does not infill your obligation to coll 811.

VERIFICATION OF PRIVATE UTILITY LI.

Dots 4/1/2/
Cester-bold Energy/ Netural Cos Facilities Verification ORLY (11th Signature werfiles both you have shown OFP hotter dos Losses correct Signature velocities to the your shown OFP hotter dos Losses Correct Signature velocities for six months.

Cester-bold Energy/NECROUND Electrical Facilities Verification ORLY (11th Signature werfiles skinking underground facilities Verification ORLY verification.)

Signature velocities for six months.

EORT BEND COUNTY ENGINEER

DOUBLESS, TALED O DESCRIPTION OF THE DOUBLESS AND VIDE IT CONSTRUCTION OF THE PROPRIATION OF THE PRO

NOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY



CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGINEERING WATER HAND STORM WATER GUARTY STORM WATER GUALITY STORM WATER GUALITY TRACE & BROOK 1-26-17

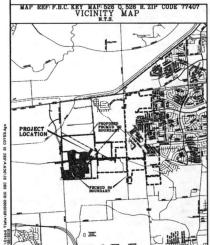
FOR CITY OF HOUSTON USE ONL' CITY DWG NO.:

DIRECTOR OF PUBLIC WORKS AND ENGINEERING

SHEET No: 1 OF 23







NOTES:

1. ALL BEARINGS ARE BASED ON THE TEXAS STATE PLANE COORDINATE GRID SYSTEM, SOUTH CENTRAL ZONE.

2. PRIOR TO THE CONSTRUCTION OF THESE FACILITIES WITHIN OR BY THE DISTRICT THE DISTRICT OR ITS REGINEER WILL GIVE WRITTEN NOTICE BY REGISTERS OF CERTIFIED MAIL TO THE DIRECTOR OF PUBLIC WORKS AND ENGINEERING. CITY OF PUBLIC THE STATING. THE DATE SILCH CONSTRUCTION WILL COMMENCE.

3. CONTRACTOR SHALL NOTIFY THE CITY OF HOUSTON, DEPARTMENT OF PUBLIC WOF AND ENGINEERING, OFFICE OF THE CITY ENGINEER, 48 HOURS BEFORE STARTING WORK ON THIS PROJECT. PHONE NO. 822-384-989.

4. CONTRACTOR SHALL NOTIFY FORT BEND COUNTY 48 HOURS BEFORE STARTI

- NATIR LIES. MISTERITE COLLECTION SYSTEM AND OMILIARS SYSTEMS ONLY OF CONTINUED IN ACCORDANCE MIT THE CITY OF HOUSTON, SEPARTHEAT OF PUBLIC WORS AND EMBINEERING'S LATEST SEPART OF THE CONTINUE OF THE CONTINU
- THE CONTRACTOR SHALL BE FILLY RESPONDED FOR MAY AND ALL MANNER TO THE ELECTRIC PRINCE OF THE PRINCE THE PRINCE COLLECTION STREETS AND STORM SERVER CHIEF MASS THAT THE THE MASS THAT THE PRINCE WAS THE PRINCE THE PRINCE WAS THE PRINC
- THERE WILL BE NO SEPARATE PAYMENT FOR WORK SHOWN ON THESE PLANS UNLESS SPECIFICALLY ESTABLISHED IN THE CONTRACT DOCUMENTS. ALL OTHER IMPROVEMENTS REQUIRED FOR COMPLETION DOCUMENTS. ALL OTHER IMPROVEMENTS REQUIRED FOR COMPLETION
 AND ACCEPTANCE OF THE W.S.D. AND PAYING CONTRACTS SHALL BE
 CONSIDERED INCIDENTAL TO EACH PROJECT UNLESS THE CONTRACTOR
 NOTIFIES THE ENGINEER IN WRITING PRIOR TO EXECUTING THE COP
- CONTRACTOR SHALL NOTIFY FORT BEND COUNTY ENGINEERING DEPARTMENT THENTY-FOUR (24) HOURS IN ADVANCE OF COMMENCING CONSTRUCTION VIA EMAIL AT CONSTRUCTIONSFORTBENDCOUNTY-TS. GOV AND WRITTEN NOTIFICATION FORTY-EIGHT (48) HOURS IN ADVANCE OF COMMENCING CONSTRUCTION.
- CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY "REGULATIONS OF FORT BEND COUNTY. TEXAS FOR FLOOD PLAIN MANAGEMENT" PRIOR TO STARTING CONSTRUCTION. PERMITS#FORTBENDCOUNTYTX.GOV.
- CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY FORT BEND COUNTY.
 TEXAS PRIOR TO STARTING CONSTRUCTION OF UTILITIES AND/OR
 CULVERTS WITHIN COUNTY ROAD RIGHT-OF-MAY.
- CONTRACTOR SHALL GIVE ENGINEER FIVE (5) WORKING DAYS NOTICE FOR CONSTRUCTION CONTROL STAKING, AND FORTY-EIGHT (46) HOURS NOTICE IN ADVANCE OF BEGINNING CONSTRUCTION.
- ALL UNSATISFACTORY AND/OR WASTE MATERIALS INCLUDING VEGETATION. ROOTS. CONCRETE. AND GEBRIS SHALL BE HALLED OFF SITE BY THE CONTRACTOR. INCLUDE COST OF THIS WORK. INCLUDING HALL. IN DIMER ITEMS OF THIS PROJECT.
- CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF EXISTING FACILITIES PRIOR TO CONSTRUCTION OF PROPOSED FACILITIES. CONTRACTOR SHALL NOTIFY UTILITY COMPANIES 40 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTACT 811.
- CONTRACTOR SHALL COMPINE ALL WORK EFFORTS WITHIN THE DESIGNATED AREA UNLESS SPECIFICALLY AUTHORIZED BY THE OTHER. EXTREME CARE SHOULD BE EXERCISED NEAR ADJACENT PROPERTY TO PROTECT ANY EXISTING TREES. FENCES. LANGS
- ALL CONSTRUCTION WHICH HINDERS TRAFFIC OR REQUIRES TRAFFIC DIVERSION SHALL BE IN CONFORMANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES-
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PURCHASING ANY WATER NEEDED FOR CONSTRUCTION OR TESTING. THE PURCHASE OF WATER FOR CONSTRUCTION OR TESTING WILL BE CONSIDERED INCIDENTAL TO THE VARIOUS OTHER TITMS OF NORK.
- ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE COUNTY OF FORT BEND. THE CITY OF HOUSTON, THE TEXAS COON ENVIRONMENTAL QUALITY. THE ENGINEER. AND THE DWNER.
- ALL FIRML SANITARY MAMPICE RIM ELEVATIONS ARE TO BE SET AT 0.2-FEET ABOVE FINISHED GRADE. ALL STOOM MAMPICE RIM ELEVATIONS MALL BE SET AT 10 TO 0.2-FEET ABOVE FINISH GRADE. EXCEPT THOSE WITHIN PAYMENT. ALL TELSTIMM MAMPICES WITHIN OR ADJACENT TO THE PROMECT AND THE ADJACENT TO 0.2-FEET ABOVE FINISHED GRADE AFTER FIRML GRADIUM IS COMPLETE. IF THIS MOTHER COMPLETES WITH THE LEVATIONS ON HORSE ON THE
- 18 INCLUDE PRICE OF ALL BEDDING AND BACKFILL REQUIRED FOR WATERLINES, SANITARY SEWERS, AND STORM SEWERS IN PRICE BID PER LINEAR FOOT OF PIPE.

- UPON PROJECT COMPLETION AND PRIOR TO FINAL RELEASE OF RETAINAGE. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS of "PROJECT'S RECORD DOCUMENTS" OF THE CONTRACT AS THEY RELATE TO THE RESPECTIVE CONTRACTOR (NO SEPARATE PAY).

GENERAL CONSTRUCTION NOTES (CONT.)

- DELIVERY TICKETS FOR ALL MATERIALS (E.G. CONCRETE, CEMENT STABILIZED SAND, ETC.) SHALL BE MAINTAINED BY THE CONTRACTOR AND UPON ROCHEST. BE MADE AVAILABLE FOR REVIEW BY THE ENGINEER OR THE OWNER.
- PRIOR TO FINAL RELEASE OF RETAINAGE. THE CONTRACTOR SHALL PROVIDE A NOTARIZED CERTIFICATION THAT ALL MATERIALS INSTALLED IN THE PROJECT ARE COMPLETE IN PLACE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS.
- ALL WATER. SANITARY AND STORM SEWER STUBS ARE TO BE MARK WITH FOUR (4) FOOT LONG 6° P.V.C. MARKERS WITH A MINIMUM TWO (2) FEET EXPOSED. MARKERS ARE TO BE CAPPED.

ALL FILL AREAS SHALL BE PROOF ROLLED AND BE PLACED IN MAXIMUM 8-INCH LIFTS AND COMPACTED TO A MINIMUM OF 95% OF STANDARD PROC DENSITY AT +/-2 PRECENTAGE POINTS OF OPTIMUM MOISTURE CONTENT.

- OWER WILL PROVIDE CONTROL STAKING ONLY. CONTRACTOR TO BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING SUPERVISED BY A LICENSES DURFEYOR IN THE STATE OF TEXAS. SURVEYOR MUST CAMPLE REPORT AND OMISSIONS INSURANCE. INCLUDE THE COST FOR CONSTRUCTION STAKING IN THE BASE BID IN OSEPHRATE PAY).
- UTILITY CONTRACTOR SHALL HAW. SPREAD AND COMPACT UTILITY SPOIL AS DIRECTED BY THE ENGINEER.
- ALL TRENCHES UNDER OR WITHIN 3' OF BACK OF CURB SHALL BE BACKFILLED WITH CEMENT STABILIZED SAND TO THE BOTTOM OF PAVEMENT SUBGRADE.
- WITH CREAT STABLLIZED SAND TO THE BOTTOM OF PAVEMENT SANGHADE THESE PLANES PERPENDED BY CONTINUED, NIC., 30 DHIC DETAINS TO THE INCLUDE RESIDING OR SYSTEMS FRETAINING TO THE SAFETY OF THE PROFESSIONAL REGISTRATES HERSON DOES NOT EXTEND TO ANY SUCH PROFESSIONAL REGISTRATES HERSON DOES NOT EXTEND TO ANY SUCH PAUSE. THE CONTINUED SHALL PROPER OR OUTSINE THE APPROPRIATE SAFETY SYSTEMS. INCLUDING THE PLANES AND SPECIFICATIONS CONTINUED SHALL SHAPE OF THE APPROPRIATE SAFETY SYSTEMS. INCLUDING THE PLANES AND SPECIFICATIONS AND CHARGE SHAPE SAME OF THE APPROPRIATE SAFETY SYSTEMS. INCLUDING THE PLANES AND SPECIFICATIONS AND CHARGE SHAPE SAME OF THE APPROPRIATE SAFETY SYSTEMS. INCLUDING THE PLANE AND SPECIFICATIONS AND CHARGE STATES AND SECURITIES OF THE SAME SAFETY. DESIGN OF THE PROPER SAFETY STATES. SAFETY DESIGN OF THE PROPERSIONAL DESIGNATION OF THE PROPE
- ALL STREETS AND STREETS AND ADDRESS AND AD
- THE TERMS OF THE TERMS OF WHICH TO YEAL THE ALL WHITE AND RECLARED WHITE LIKE A "TO 10" SHALL BE PALYVIN'S OLIGIBE IF A "LO 10" SHALL BE PALYVIN'S OLIGIBE IF A "LO 10" SHALL BE A "TO 1
- MAINTAIN MINIMEM NINE (9) FOOT HORIZONTAL CLEARANCE BETWEEN OUTSIDE OF SANITANT SERRE MANGOLES AND WATER LINE. MAINTAIN WINIMAN DEE 11 FOOT HORIZONTAL CLEANANCE EPTEEN OFFIDE OF MINIMAN (9) FOOT HORIZONAT. CLEARANCE BETWEEN RECLAIMED WATER LINE AND WATER LINE
- ALL WATER AND RECLAIMED WATER LINES SHALL BE ENCASED WITH BANK SAND. WATER AND IRRIGATION LINES WITHIN SIDE LOT EASEMENTS SHALL BE BACKFILLED WITH BANK SAND. NO SEPARATE PAY.
- CENTERLINE OF FLUSHING VALVES SHALL BE LOCATED 3'-0" FROM BACK OF CURB WITH THE BASE AT THE ELEVATION INDICATED ON THE DETAIL SHEET 15 (DRAWING NO. 02520-01).
- FLUSH VALVES ARE TO HAVE 4' MINIMAM BURY, BUT IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO ADJUST WATER FACILITIES TO OBTAIN PROPER VENTICAL LOCATION OF TEUSH VALVE IN RELATION TO THE TOP OF CURB AFTER PAVEMENT CONSTRUCTION. SEE DETAIL ON SHEET 15.
- CONTRACTOR TO ALLOW A MINIMUM OF 12 INCHES CLEARANCE BETWEEN PROPOSED MATER AND RECLAIMED WATER LINES AND EXISTING AND PROPOSED
- ALL GATE VALVES ARE TO BE RESILIENT-SEATED GATE VALVES AS PER A.W.W.A. C-509.
- MMEREYER POSSIBLE, ALL MAIN LINE GATE VALVES ARE TO BE LOCATED OPPOSITE PAYING CURB RETURNS AS INDICATED ON THE CONSTRUCTION PLANS.
- 4-INCH THROUGH 12-INCH WATER AND RECLAIMED WATER LINE FITTINGS SHALL BE DUCTILE IRON COMPACT FITTINGS AS PER A.W. V. A. C-153.
- MINIMUM OF ONE JOINT OF PIPE SHALL BE INSTALLED BETWEEN GATE VALVE AND PLUC ON DEAD-END LINES.
- CONTRACTOR SHALL MINIMIZE DOWN TIME OF THE EXISTING WATER LINES WHEN MAKING ADJUSTMENTS AND TIES TO THE LINES.

QA/QC REVISIONS BY: DR

THE OPENING AND CLOSING OF ALL WATER AND IRRIGATION VALVES ON THE EXISTING SYSTEM SHALL BE PERFORMED BY THE DISTRICT OPENATOR ORLY. CONTACT RESECCA MARCUCCI WITH MENICIPAL DISTRICT SERVICES AT 281-250-450.

STORM SEWER CONSTRUCTION NOTES

- STORM SEVERS SHALL BE REINFORCED CONCRETE PIPE (C-76, CLASS III) AND SHALL BE INSTALED. BEDDED AND BACKFILLED IN ACCORDANCE WITH CITY OF HOUSTON DRAWINGS WGS. 02317-02, 02317-03, 02317-04, 0400 02317-07 (OCT. 2002) AS APPLICABLE UNLESS OTHERWISE SHOWN ON THE ORANIMGS.
 - ALL STORM SEWERS CONSTRUCTED IN SIDELOT EASEMENT SHALL BE R.C.P. IC-76, CLASS 111) AND SHALL BE EMBEDDED IN ACCORDANCE WITH THE CITY OF HOUSTON DRAWING NOS.02317-02. 02317-03, 02317-05. AND 02317-07 AS APPLICABLE.
 - OZ317-06. AND OZ317-07 AS APPLICABLE.

 ALL SEWERS UNDER PROPOSED OR FUTURE PAYEMENT AND TO A POINT THREE

 (3) FEET BACK OF ALL PROPOSED OR FUTURE CURBS SHALL BE BACKFILLED

 WITH 2 SACKS CEMENT STABLIZED SAMP PER TON TO SUBGRADE TO WITH

 ONE (1) FOOT BELOW SUBGRADE. THE REMAINING DEPTH OF TRENCH SHALL B

 BACKFILLED WITH SUITABLE EARTH MATERIAL.
 - PACAPILLED FILE STIM SUITABLE LAMIN MATERIAL.

 ALL TRENCH BACKFILLS SHALL BE IN MAXIMIM 8" LIFTS. WITH TEST TAKEN AT 100 FOOT INTERVALS ON EACH LIFT AND MECHANICALLY COMPACTED TO A DESITY OF NOT LESS THAN 95'C OF THE MIXIMAN DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR COMPACTION TEST (ASTM-0-698/AASHTO T99).
 - CIRCULAR AND ELLIPTICAL REINFORCED CONCRETE PIPE SHALL BE INSTALLED USING RUBBER GASKET JOINTS CONFORMING TO ASTM C-443 AND ASTM C877
 - ALL STORM SEWER PIPES AND INLET LEADS SHALL BE 24" AND LARGER R.C.P. (C-76. CLASS 111).
 - ALL PROPOSED PIPE STUB-OUTS FROM MANHOLES OR INLETS ARE TO BE PLUGGED WITH 8" BRICK WALLS UNLESS OTHERWISE SHOWN. CONTRACTOR SHALL PROVIDE 12" MINIMUM CLEARANCE AT STORM SEWER AND WATER CROSSINGS.
 - ADJUST MANHOLE COVERS TO GRADE CONFORMING TO REQUIREMENTS OF SECTION 02086-ADJUSTING MANHOLES. INLETS AND VALVE BOXES TO GRADE.
 - ALL DRIVEWAYS WILL BE LOCATED TO AVOID EXISTING CURB INLET STRUCTURES.
 - ADQUATE DRAIMING SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAIMING DITTO IN STRUCTURE DISTRIBED DURING CONSTRUCTION CONCENTRATION STRUCTURE DISTRIBED DURING CONSTRUCTION STRUCTURE AND CONCENTRATION STORM RADORS FORM COMEY VITE TO THE STRUCTURE AND ANY CONSTRUCTION ACTIVITIES AS PREPARABE BY FORM SERGIFICATION AND THE CITY OF ROUSTON ALL IN COMPLIANCE WITH THE MATIONAL POLLUTIANT DISCHARGE BLIMINATION SYSTEM (MYPOES) REQUIREMENTS.
 - EXISTING PAVEMENTS, CURBS, SIDEWALKS, AND DRIVEWAYS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED TO FORT BEND COUNTY STANDARDS. CONDITION OF THE ROAD AND/OR RIGHT-OF-WAY. UPON COMPLETION OF JOB. SHALL BE AS GOOD AS OR BETTER THAN THE CONDITION PRIOR TO STARTING
 - STATIONING FOR TYPE "C" INLETS IS AT THE CENTERLINE OF THE MANHOLE PORTION OF THE INLET. PORTION OF THE INLET.

 BEDDING AND BACKFILL IS TO BE CONSIDERED SUBSIDIARY TO PAY ITEMS FOR PIPE AND INLETS AND SHALL NOT BE PAID FOR DIRECTLY. BANK SAND BACKFILL SHALL BE USED FOR ALL STOWN SERENS LOCATED IN SIDELOT EASEMONTS. WINIMAM 20° EASEMENTS SHALL BE OVER.
 - ALL STORM SEWER MANHOLES SHALL BE STANDARD TYPE "C" UNLESS OTHERWISE

SANITARY SEVER CONSTRUCTION NOTES

- ALL SANITARY SERIES SHALL BE CONSTRUCTED AND TESTED IN ACCRORAGES THE CITY OF ROOTS DESIGN BRAIL. SANITARY SERIES SHALL BE CONSTRUCTED IN ACCREMANCE WITH THE CITY OF HOUSTON-DEPARTMENT OF PHIS. IS SERVED AND ENGINEERING STANDARY CONSTRUCTION STANDARY CONSTRUCTION
- ALL SANITARY SEMERS IN THIS PROJECT SHALL BE OF GREEN COLOR CONSTRUCTED OF PUC SOR 26 PRISO/ASTN 02241 OR AS NOTED ON THE PLANS. ALL JOINTS SHALL COMPOUND TO ASTN 0-7339. JOINTS SHALL BELLAM OP PIOT TYPE SHALL COMPOUND TO ASTN 0-7339. JOINTS AND THE PLANS AND THE PIPE JOINTS AME NOT ACCEPTABLE, ALL SANITARY SEMEN SERVICE LEADS TO BE CONSTRUCTED SOR 26 CPR 100 PPC UNLESS OTHERSTES ONCE OF

BEDDING AND BACKFILL SHALL BE CONSIDERED SUBSIDIARY TO PAY ITEM FOR PIPE AND SHALL NOT BE PAID FOR DIRECTLY. ALL PIPES ARE TO BE BEDDED AS PER DRAWING No. 02317-01 AND/OR DRAWING No.02317-03.

- ALL SANITARY SEWERS UNDER OR WITHIN THREE (3) FEET OF PROPOSED OR FUTURE PAYEMENT SHALL BE BACKFILLED WITH 2 SACKS CEMENT STABILIZED SAND PER TON TO PAYEMENT SUBGRADE. NO BRICK MANHOLES WILL BE ALLOWED ON SANITARY SEWERS.
 SANITARY MANHOLE COVERS SHALL BE LABELED "SANITARY".
- DANITATY MANUAL COVERS SHALL BE LORGELY "DANITATY".

 IN AREAS WHERE THE COVER BETWEN THE TOP OF SANITATY SEVER PIPE AND EXISTING NATURAL ORDUNO IS LESS THAN 4 FEET, THE UTILITY CONTRACTOR SHALL PLACE ADDITIONAL COMPACTED SOIL OVER THE SANITARY SEWER AS REQUIRED TO PROVIDE A MINIMAM COVER OF 4 FEET.
- AT ALL LOTS NOT ACCESSIBLE TO A MANHOLE. WHERE FLOW LINE IS GREATER THAN 8'-0" BELOW FINISHED GRADE. PROVIDE A 6" STANDARD SANITARY SEWER STACK. LOCATION TO BE MARKED AS PER GENERAL NOTE 24.
- SMALL GOVERN.

 MEM MAKING A TIE TO AN EXISTING SANITARY SEMER MANNOLE.

 THE UTILITY CONTRACTOR SHALL PLUE THE DOMESTREAM BOD OF
 THE PROFESSED SANITARY LINE STITL A MATERITY AMERICAN

 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TOEG) IS OBTAINED.

 MOS SEPARATE PAY).
- THO SEPARATE PATI.

 CITY OF HOUSE SIGNATURES AFFIXED TO PLANS SHALL BE VALID FOR I TEAM ORLY AFTER THE DATE OF SAID SIGNATURES. ANY REPLACEMENT HAN OR UPCARE OF THE SIGNATURES ON THE PLANS. WHEN THE SIGNATURES ARE BEIND UPDATED. DESIGN CHANGES MAY BE CRORERD FOR ANY UNBUILT ITEMS FOUND ON THE PLANS.
- IN WET SAND AREAS USE SPECIAL BEDDING & MANHOLE SUPPORT AS PER CURRENT CITY OF HOUSTON DETAILS.

SANITARY SEWER CONSTRUCTION NOTES CON'T.

DUCTILE IRON PIPE SHALL BE LINED WITH 40 TO 50 MILS OF POLYETRELENE OR CERAMIC EPOXY. THE EXTERIOR OF BRHIED DUCTILE IRON PIPE AND CORPORNING TO ANSI A21-15. OR ANSI A21-15. OR ANSI A21-15. PROVIDE MINIMAM OF TWO COMPLETE WARPS OF SHILL-THICK POLYETHYEME ENCASSEMENT METRIAL IN ACCORDANCE WITH AMMA CTOS.

- PAYING SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL FORT BEND COUNTY RALES, REGULATIONS AND REQUIREDWITS RELATING TO THE REYESIONS AND/OR AMERIMENTS OF SAME. ALL MORE COME, AND MATERIALS FURNISHED SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY FORT BEND COUNTY. THE OWNER'S FIRM, ACCEPTANCE OF THE COMPLETE WORK SHALL BE CONTINGENT UPON FORT BEND COUNTY'S FORMAL ACCEPTANCE OF STREETS FOR COUNTY MAINTEN
- ALL ROAD WIDTHS. CURB RADII. AND CURB ALIGNMENT SHOWN INDICATE BACK OF CURB. T/C. INDICATES TOP OF CURB. T/P. INDICATES TOP OF PAYEMENT.
- COIDELINES SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES SHALL BE OBSERVED.

 REMANSWERE EXPANSION GUINTS SHALL BE INSTALLED AT EAGO CLUB SHALL SHALL
- TOP 8" OF SUBGRADE TO BE SCARIFIED AND STABILIZED AS DETERMINED BY FIELD TESTING OF SUBGRADE MATERIAL. AND COMPACTED TO A MINIMAM 95% STANDAND PROTTOR DENSITY AT "4" 2 PERCENTAGE POINTS OF OPTIMAM
- ALL CURB RADII SHALL BE 25' AND 30' ON MAJOR THOROUGHFARES UNLESS OTHERWISE NOTED. MINIMUM SLOPE AROUND CURB RETURN IS 1.0%
- 6 & T-INCH PAVEMENT SHALL BE REINFORCED CONCRETE WITH MO. 4 BARS AT 36 C-C IN TRANSVERSE DIRECTION. FOR BAR SPACING IN LONGITUDINAL DIRECTION REFER TO TABLE I ON SHEET 14. CONCRETE SHALL HAVE A MIMIMAN COMPRESSIVE STRENGTH OF 3500 PSI AT 28 BAYS (3.5 SACKS OF CEMENT PER TON).
- THE QUANTITY OF STREET CUT IN THE CONTRACT DOCUMENTS IS BASED MYON EXISTING TOWOMANY HEROTO TO UTILITY TO CONSIDERATIONS FOR UTILITY SPOIL AS INCIDENTAL TO OTHER ITEMS IN THE PROJECT. THERE WILL BE NO SEPARATE PAYMENT FOR THE PAYMON CONTRACTOR TO MANDE UTILITY SPOIL ON SITE.
- CROSS SLOPES FOR ROADWAY SECTIONS SHALL BE AS FOLLOWS:

 A. LEFT TURN LAME AMD-OR CROSSOVER AT ONE-EIGHTH INCH (1/8")
 PER ROOT.

 B. INSIDE TRAFFIC LAMES AND CUL-DE-SAC. AND ROUNDABOUTS AT ONE
 QUARTER INCH (1/4") PER ROOT.
- CONTRACTOR TO CLEAR AND GRUB ALL FILL AREAS AND ROOT RAKE TO A MINIMUM DEPTH OF ONE FOOT BELOW NATURAL GRADE.
- WHERE PROPOSED PAVEMENT ENDS AT A CONSTRUCTION JOINT. EXTEND BARS 15". COAT WITH ASPHALT AND WRAP WITH BURLAP! AT EXPANSION JOINTS. EXTEND DOWELS S" COAT AND WRAP AS CONSTRUCTION JOINT IND SEPARATE PAY).
- DESIRED FAVESTING FOR DEPORT FOR THE PAYEMENT, EXISTING REAM OR DOKES PROJECTING FROM PAYEMENT SHALL BE CLEANED FROM THE PROJECTING FROM PAYEMENT SHALL BE CLEANED FOR THE PAYEMENT SHALL BE CREATED FOR CORDITION. EXISTING PAYEMENT SHALL BE DRILLED AT 24-DHORS C-C. AND HORIZONTAL DOKES SHALL BE REDEORD 12-DHORS AND EPROVIDED FOR SHALL BE NO. 6 BANG. 24-DHORS LOWG. THIS WORN SHALL BE CONSIDERED INCIDENTAL TO THE VALUE OF MORN.

FORT BEND COUNTY GENERAL NOTES

- FORT BEND COUNTY MUST BE INVITED TO THE PRE-CONSTRUCTION MEETING. CONTRACTOR SHALL NOTIFY FORT BEND COUNTY ENGINEERING DEPARTMENT 48 HOURS PRIOR TO COMMENCING CONSTRUCTION AND 48 HOUR NOTICE TO ANY CONSTRUCTION ACTIVITY WITHIN THE LIMITS OF THE PAYING AT CONSTRUCTIONS ORTEROCOUNTY'X, GOV.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FROM FORT BEND COUNTY PRIOR TO COMMENCING CONSTRUCTION OF ANY IMPROVEMENTS WITHIN COUNTY ROAD RIGHT OF WAYS.
- ALL PAYING IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FORT BEND COUNTY FULES, REQULATIONS AND REQUIREMENTS RELATING TO THE PROVIDENCE OF THE PROPERTY IN SUDVISIONS AS
- 5. ALL ROAD WIDTHS. CURB RADII AND CURB ALIGNMENT SHOWN INDICATES BACK OF CURB.
- ALL CONCRETE PAYEMENT SHALL BE 5% SACK CEMENT WITH A MINIMUM COMPRESSIVE STREMENT OF 3500 PSI AT 28 DAYS. TRANSVERSE EXPANSION JOINTS SHALL BE INSTALLED AT EACH CURB RETURN AND AT A MAXIMAM
- 8. ALL WEATHER ACCESS TO ALL EXISTING STREETS AND DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
- 9. 4" X 12" REINFORCED CONCRETE CURB SHALL BE PLACED IN FRONT OF SINGLE FAMILY LOTS ONLY. ALL OTHER AREAS SHALL BE 6" REINFORCED CONCRETE
- AT ALL INTERSECTION LOCATIONS. TYPE 7 RAMPS SHALL BE PLACED ACCORDANCE WITH TXDOT PED-12A STANDARD DETAIL SHEET. A.D.A HANDICAP RAMPS SHALL BE INSTALLED WITH STREET PAVING AT ALL INTERSECTIONS AND COMPLY WITH CHRENT A.D.A. REGILATIONS.
- 11. CURB HEADERS ARE REQUIRED AT CURB CONNECTIONS TO HANDICAP RAMPS WITH NO CONSTRUCTION JOINT WITHIN 5' OF RAMPS 12. ALL INTERSECTIONS UTILIZING TRAFFIC CONTROL MEASURES SHALL HAVE
- 13. GUIDELINES ARE SET FORTH IN THE TEXAS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". AS CURRENTLY AMEDICED. SHALL BE GOSSEWED. THE CONTROLTOR SHALL BE RESONSIBLE FOR PROVIDING ADOLINE FLAMEN. SIGNING. STRIPTION AND MARKING DEVICES, ETC.. DURING CONSTRUCTION-BOTH DAY AND NIGHT.
- ALL R1-1 STOP SIGNS SHALL BE 30" X 30" WITH DIAMOND GRADE SHEETING-PER TEXAS MANUAL ON UNIFORM CONTROL DEVICES.
- 15. STREET NAME SIGNAGE SHALL BE ON 9" HIGH SIGN FLAT BLADE M/REFLECTIVE GREEN BACKGROUND. STREET NAMES SHALL BE UPPER AND LOWERCASE LETTERING BITH UPPERCASE LETTERS OF 6" MINIMAM AND LOWERCASE LETTERS OF 4.5" MINIMAM. THE LETTERS SHALL BE REFLECTIVE WHITE. STREET NAMES SIGNS SHALL BE MOUNTED ON STOP SIGN POST.

FORT BEND COUNTY GENERAL NOTES (CONT.)

16. A BLUE DOUBLE REFLECTORIZED BUTTON SHALL BE PLACED AT ALL FIRE HYDRANT LOCATIONS. THE BUTTON SHALL BE PLACED 12 INCHES OFF OF THE CONTROL INC. OF THE THE THE TO THE TABLE SIDE AS THE HYDRANT LOCATION.

CAUTION: UNDERGROUND GAS FACILITIES

CANTION. UNDERGROUND DAR PACILITIES.

CONTINUE OF CENTERPOINT EMERTY MAIN LINES (TO INCLUDE CENTER).

THAT OUR FACILITIES AND SHOWN IN APPROXIMATE LOCATION. IT DOES OF THAT OUR FACILITIES AND SHOWN IN APPROXIMATE LOCATION. IT DOES OF THAT OUR FACILITIES AND SHOWN IN APPROXIMATE LOCATION. IT DOES OF THAT OUR FACILITIES AND SHOWN IN APPROXIMATE LOCATION. IT DOES OF THAT OUR FACILITIES AND SHOWN IN APPROXIMATE (AND THE CONTRACTOR OF THE CONTRACTOR.)

THAT OUR FACILITIES AND SHOWN IN APPROXIMATE (AND THE CONTRACTOR OF THE CONTRACTOR.)

WHEN CONTRACTOR SHOWN IN A PROPER CENTER OF THE INDICATED LINE LOCATION REQUESTS FERRE CENTER SHOWS IN FOR STATUS OF THE CONTRACTOR REQUESTS FERRE CENTER OF THE INDICATED LINE LOCATION REQUESTS FERRE CENTER OF THE INDICATED LINE LOCATION REQUESTS FERRE CENTER OF THE INDICATED SHOWN IN A PROPERTY OF THE INDICATED OF THE INDICAT

OVERNEAD LINES MAY EXIST ON THE PROPERTY. THE LOCATION OF OVERHEAD LINES HAS NOT BEEN SHOWN ON THESE DIMENING AS THE RESULT OF THE PROPERTY OF

- ANY ACTIVITY MHERE PERSON OR THINGS MAY COME WITHIN SIX (6) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES! AND
- OPERATING A CRAME. DERRICK. POWER SHOVEL. DRILLING RIG. PILE DRIVER HOISTING EQUIPMENT. OR SIMILAR APPARATUS WITHIN 10 FEET OF LIVE HIGH VOLTAGE LINES.
- PARTIES RESPONSIBLE FOR THE WORK. INCLUDING CONTRACTORS, ARE LEGALLY OF CONTRACTORS, ARE LEGALLY OF CONTROLLING WORKER UNDER THIS LAW. LINES TO BE TURNED OFF OR REMOVED. CALL CENTERFOINT ENERGY AT 1713207-2225.

TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOR For your safety, you are required bt Taxos Low to call \$11 at least 48 hours before you dig so that underground lines can be marked. This verification does not fulfill your obligation to call \$11. VERIFICATION OF PRIVATE UTILITY LINES

Home or

Contambulation Control National Control CenterPoint Energy/INCHOROUND Destrict Facilities (This Signature verifies existing underground facilities verification.) Signature valid for six months.

NOT APPLICABLE Dots:

Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots:
Dots: APPROVED Mari Del

DATE 3/29/14

CITY OF HOUSTON

DEPARTMENT OF PUBLIC WORKS AND ENGI DEPARTMENT OF PUBLIC YORKS E AND ENGINE
WARTE WATER

STORY WARE GUALTY

TONY

1-2-6-17

THET & THE FOR CITY OF HOUSTON USE ONLY

57456

DESIGN CHECKED BY: dM.e. COGO CHECKED BY: ______ SURVEY CHECKED BY:

QAQC B



Engineering and Surveying 9990 Richmond Avenue, Suite 450 N Houston, Texas 77042 (713) 783-7788 (713) 783-3580, Fax TBPE FIRM REG. No. 280 TBPI S FIRM REG. No. 100486

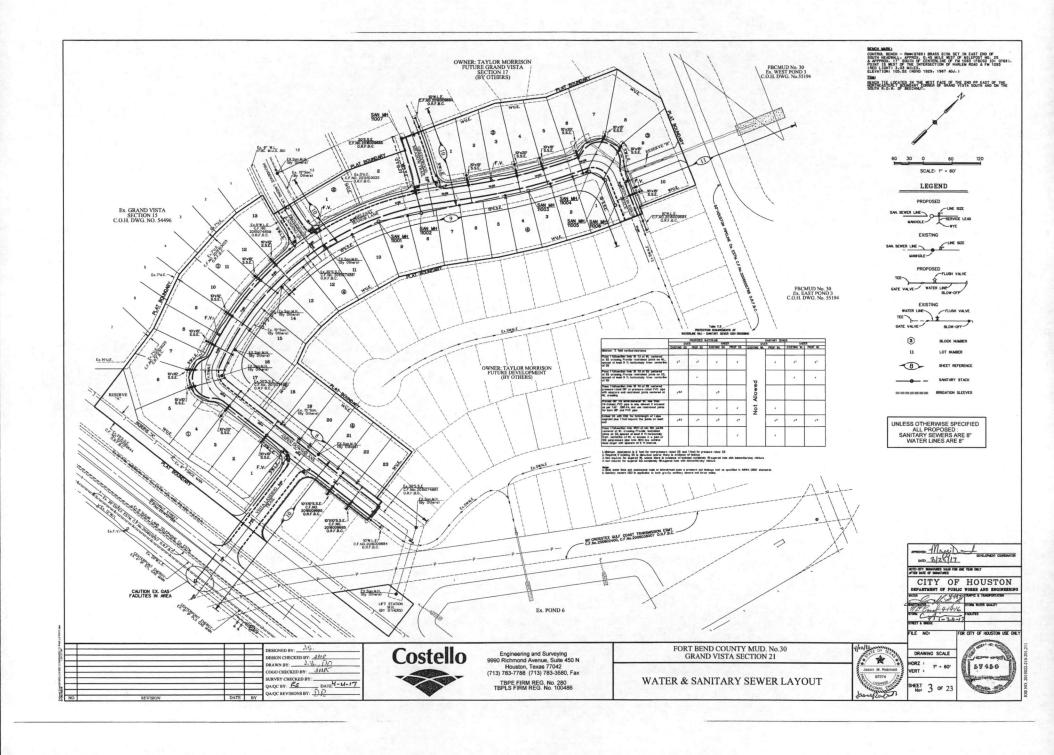
GRAND VISTA SECTION 21

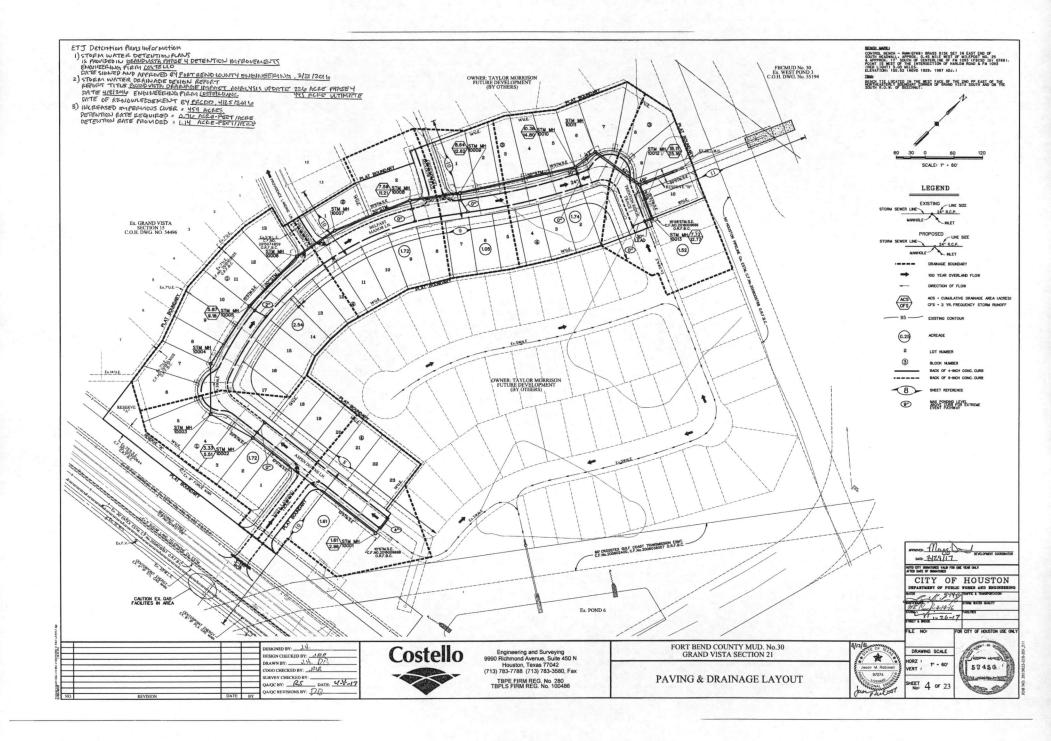
FORT BEND COUNTY MUD. No.30

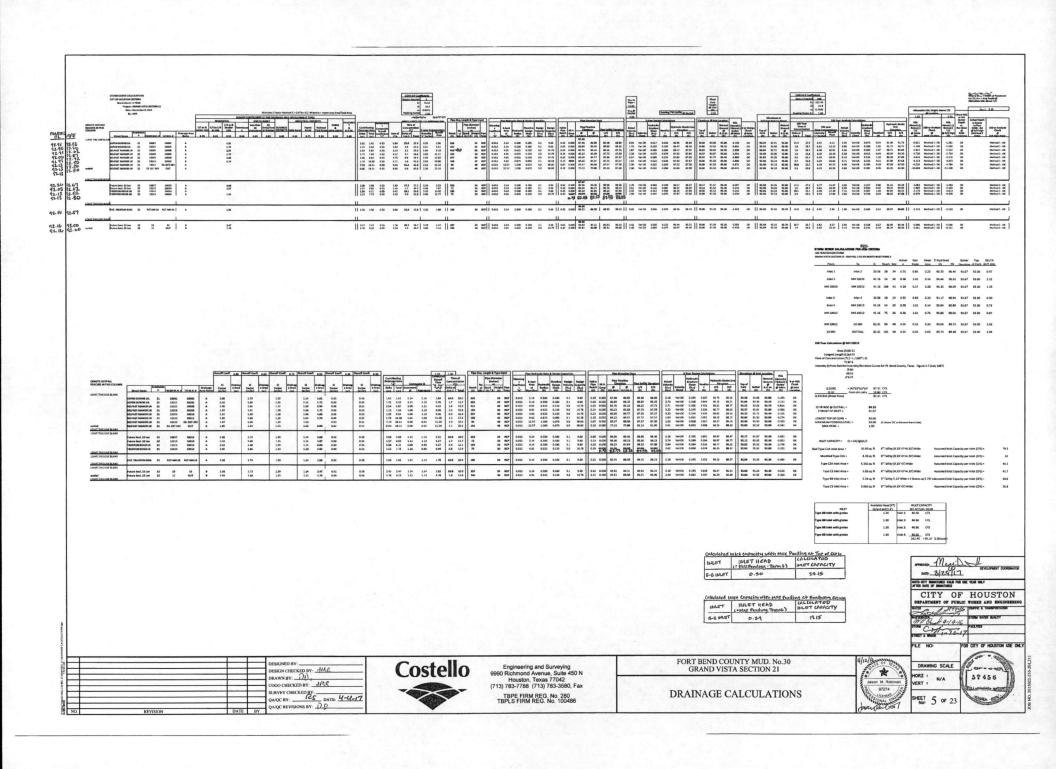
4/12/18-100 Jason M. Rot 97274

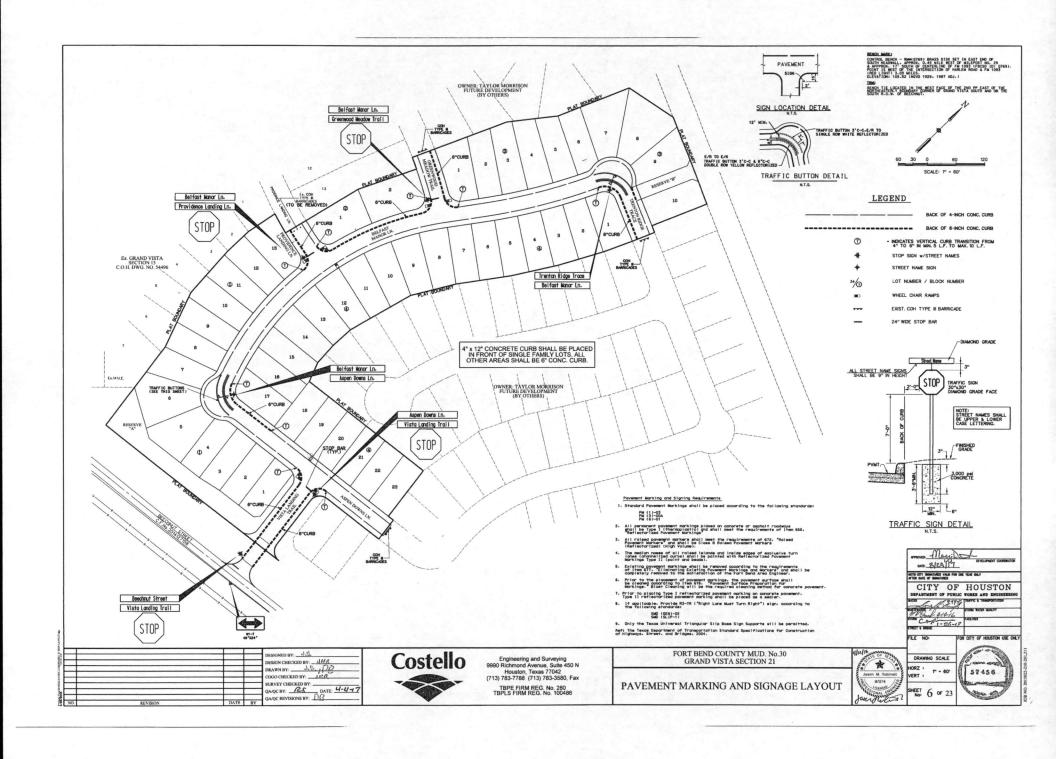
DRAWING SCALE HORZ I N.T.S. HEET 2 OF 23

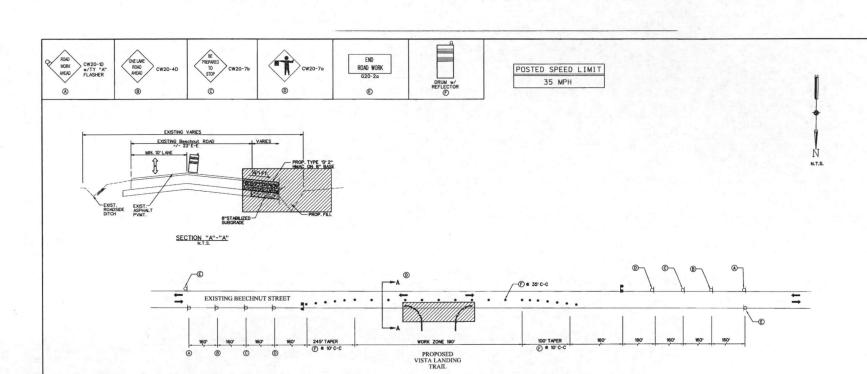
CONSTRUCTION NOTES











TRAFFIC CONTROL NOTES

- Contractor shall provide and install traffic control devices in conformance with Part VI of Texas Manual on Uniform Traffic Control Devices (TMUTCD Latest Edition with Revisions) durling 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 Trantex FR 336 EFX 36" delinector or approved equal with sheeting and base epoxied to povement next to excavation during non-
- sheeting and base epoxied to povement next to excavation during nonworking hours.

 5. Approved copies of "Traffic Control Plane" shall be available for inspection
 at all times.

 6. If the contractor chooses to use a different method of traffic control
 plan during the construction than what is outlined in the contract drawings.
 (a)the shall be responsible to prepare and submit alternate planes to Traffic
 Section of FBCE for approval ten (10) working days prior to implementation.

 #These plans shall be drawn to scale on reproducible mylars and seeled
 by a licensed engineer in the state of Taxos. Plane will become a part
 of the contract drawings.

 7. If the project is within 400 feet from a signalized intersection, the contractor
 shall contact FBT BEND COUNTY ENGINEERING DEPARMENT at CONSTRUCTION ORTBENDCOUNTYTX.COV
 five (5) working days prior to the start of construction.

MISCELLANEOUS TRAFFIC CONTROL NOTES

- NIT of water a sign to be set prior to start of construction activities and to remain in place until all construction activities are complete and accepted by Fort Bend County. The contractor vill accordinate with the Fort Bend County Engineering Department in establishing traffic routes and loadrian of signs.

 2. All Floggers shall be in radio contact with each other at all times, as required.

 3. All powerent markings covered by overlay shall be replaced before opening to traffic.

 4. Advance signing shall be placed a minimum of two weeks in advance to Inform of possible delay. Contractor shall notify the Harris County Engineering Department at least two weeks prior to any construction.

- construction.

- construction.
 All portable signing, drums and cones shall be removed at the end of each day.
 If work zone is needed overnight all cones or tubular markers shall be replaced with drums w/ VP's and temporary powerent markings shall be in place for nightline operation as directed by the engineer. Access to existing businesses or residences shall be maintained at all times.
 Traffic control signs may be adjusted to fit field conditions, with approval of the engineer.
 Contractor shall treat overnight drop-off conditions with a 3:1 or flatter slope wedge copable of
- supporting vehicle loads.

	~	EN THEIR CL. MINNSTONE	
	D.		OF HOUSTON
	w.r. - w.s.	San Maria	STON WATER QUALITY
	sto	Color	46 PARTIES
	FL	E NO:	FOR CITY OF HOUSTON USE ONLY
FORT BEND COUNTY MUD. No.30 GRAND VISTA SECTION 21	1 20 00	DRAWING SCAL	E Come and

				111
				DESIGNED BY:
				DESIGN CHECKED BY: JAR
		- 10 L	-	DRAWN BY:
				COGO CHECKED BY: JMA
				SURVEY CHECKED BY:
				QAQCBY: RS DATE: 4-4
NO.				QAQC REVISIONS BY: DIS
NO.	REVISION	DATE	BY	



Engineering and Surveying 9990 Richmond Avenue, Suite 450 N Houston, Texas 77042 (713) 783-7788 (713) 783-3580, Fax TBPE FIRM REG. No. 280 TBPLS FIRM REG. No. 100486

TRAFFIC CONTROL PLAN FOR BEECHNUT STREET



DATE 3/29/17 NOTE CITY SENATURES VALO FOR ONE YEAR CH.

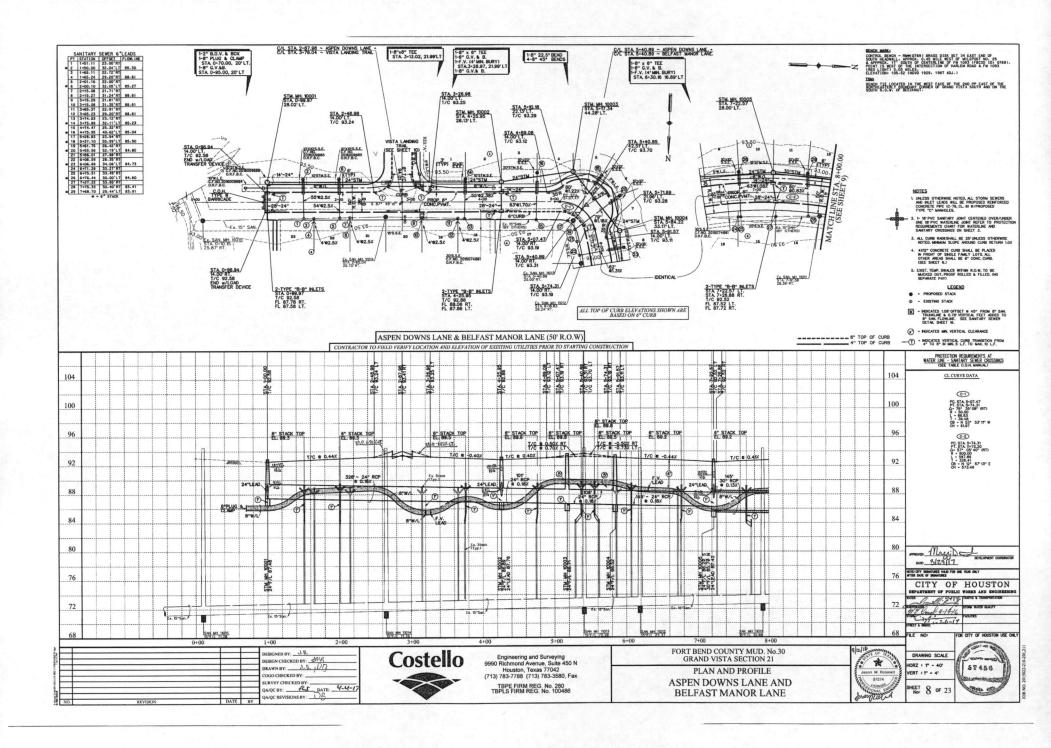
LEGEND

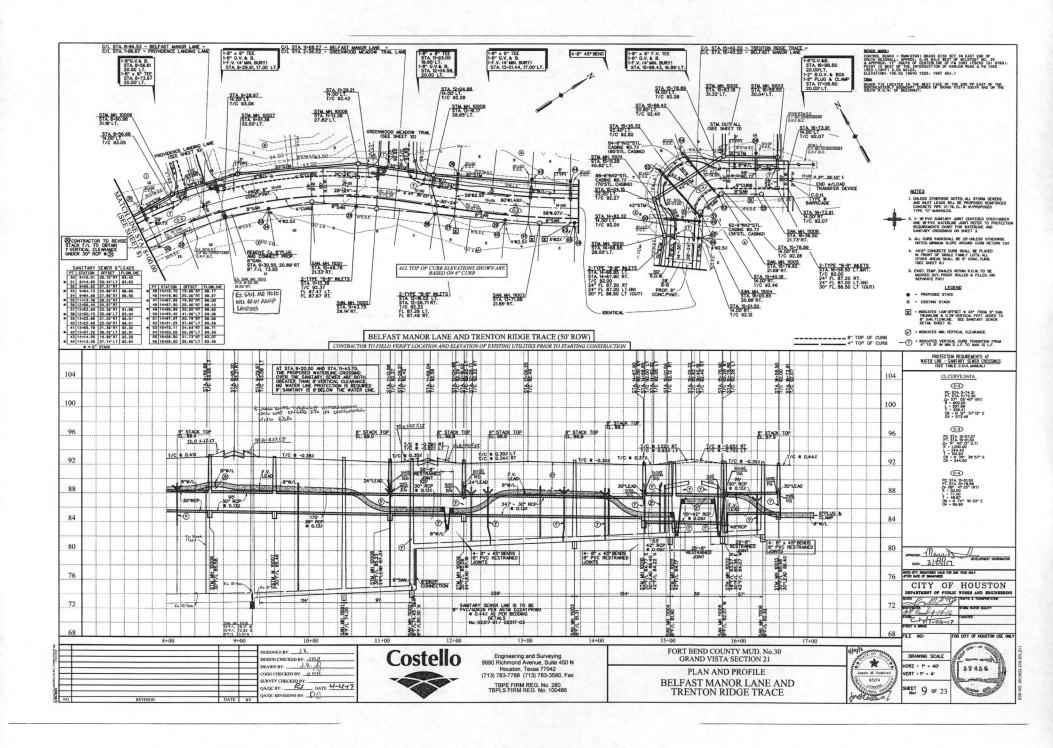
FL AGGER

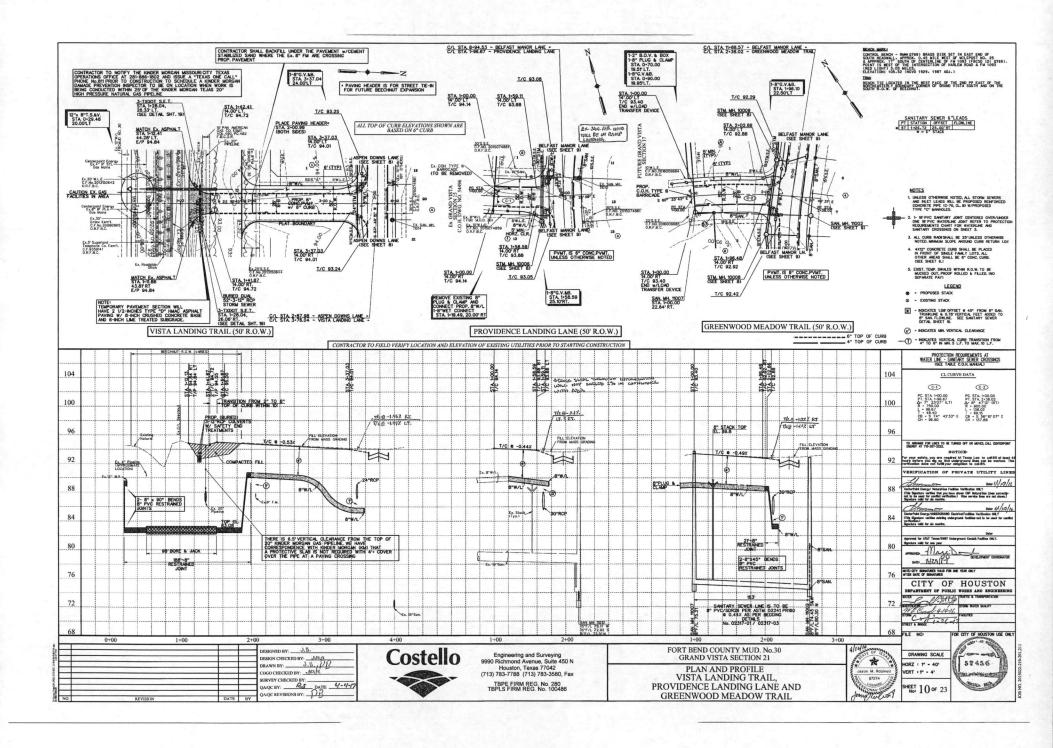
CONSTRUCTION WARNING SIGN

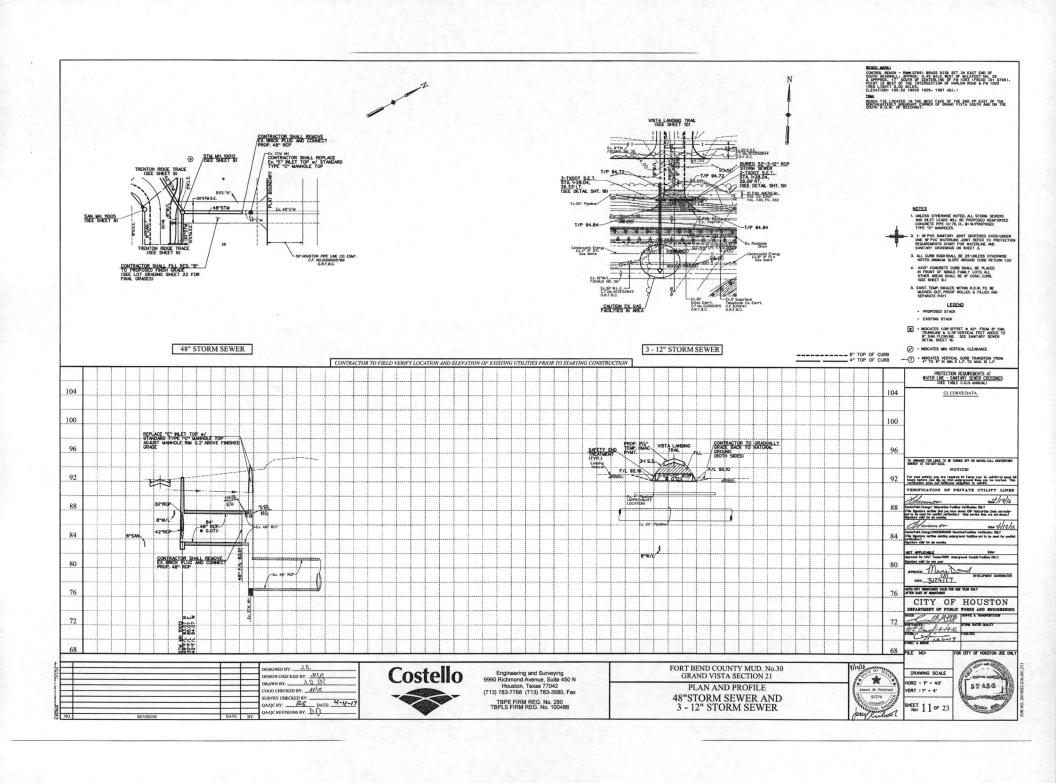
DIRECTION OF TRAFFIC FLOW

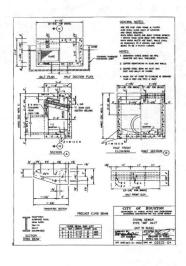
CHANNELIZING DEVICE

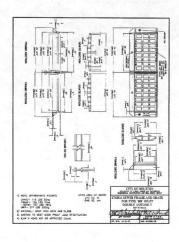


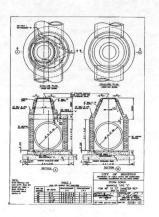


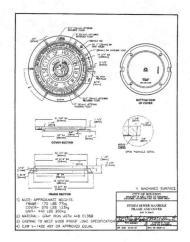


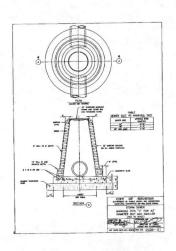


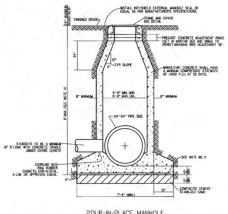












POUR-IN-PLACE MANHOLE

NOTES: 1. CONCRETE SHALL BE A MONOLITHIC POUR. 2. *4 REBAR TO BE PLACED IN BASE AND @ 12" C-C EW.

3. 2 SACKS PER TON C.S.S. BACKFILL TO BE PLACED AROUND MANNOLE COMPACTED IN 8" LIFTS (MAX.) 3.2 SALES FOR TON CSS. BRANCE TO BE PARED MACHINE WHEN DEVELOP FOR THE BEAUTIFUL TO SELECT A FOR MACHINE SELECT AND AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUBJECT A DRAWING DETAIL SEALED BY A PROFESSIONAL ENGAGER PROFE TO CONSTRUCTION.

				DESIGNED BY: LIPET DESIGN CHECKED BY: LIPET DRAWN BY: LIPET COGO CHECKED BY: LAMB
NO.	REVISION	DATE	BY	SURVBY CHECKED BY: QAYOC BY: QAYOC REVISIONS BY:



Engineering and Surveying 9990 Richmond Avenue, Suite 450 N Houston, Texas 77042 (713) 783-7788 (713) 783-3580, Fax TBPE FIRM REG. No. 280 TBPLS FIRM REG. No. 100486

FORT BEND COUNTY MUD. No.30 GRAND VISTA SECTION 21

DRAINAGE DETAILS



_		
4	DRAWING S	3
Wall Wall	HORZ : VERT : N.	1
200	SHEET 12	C

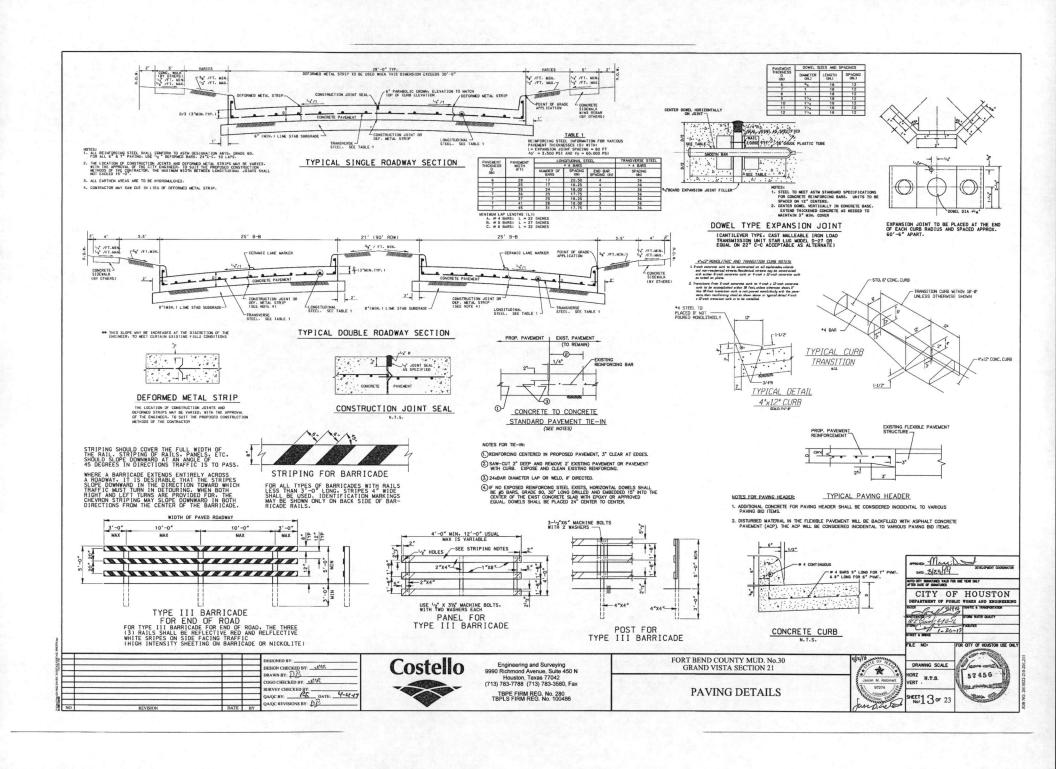


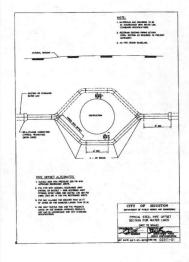
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERIN

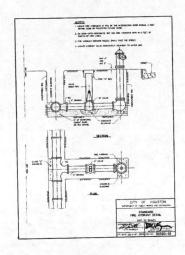
DATO 2/29/17

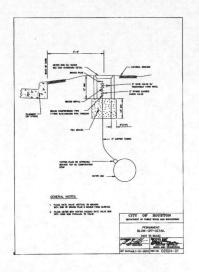
NOTE CITY SIGNATURES YALD FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

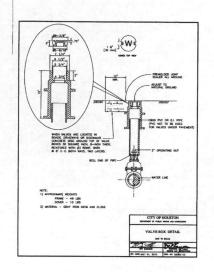
el-414-16 CON 1-2-1,-17

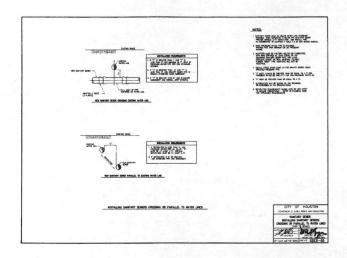


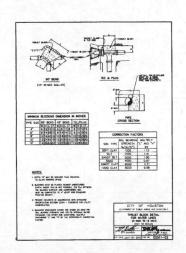


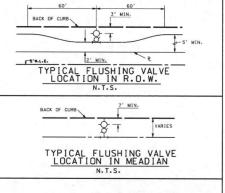














			- 1	DESIGNED BY:
				DESIGN CHECKED BY: 1/1/10
				DRAWN BY: DR COGO CHECKED BY: JAK
				SURVEY CHECKED BY:
				QAQC BY: RS DATE: 4-4-17
NO.	REVISION	DATE	BY	QA/QC REVISIONS BY: 12 (2)



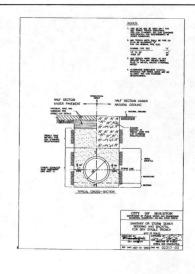
Engineering and Surveying 9990 Richmond Avenue, Suite 450 N Houston, Texas 77042 (713) 783-7788 (713) 783-3580, Fax TBPE FIRM REG. No. 280 TBPLS FIRM REG. No. 100486

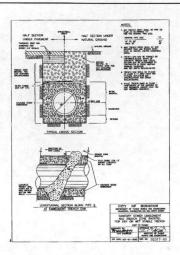
FORT BEND COUNTY MUD. No.30 GRAND VISTA SECTION 21

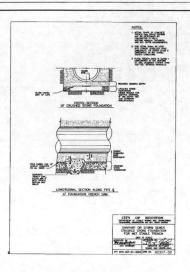
WATER MAIN DETAILS

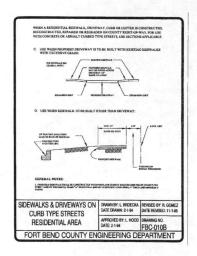


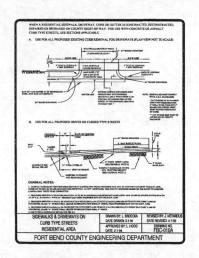
N.T.S. 58456 .











DESIGNED BY:

DE



Engineering and Surveying 9990 Richmond Avenue, Suite 450 N Houston, Texas 77042 (713) 783-7788 (713) 783-3580, Fax TBPE FIRM REG. No. 280 TBPLS FIRM REG. No. 100486 FORT BEND COUNTY MUD. No.30 GRAND VISTA SECTION 21

BEDDING DETAILS, FORT BEND COUNTY RESIDENTIAL DRIVEWAYS DETAILS



300	DRAW	/ING
inett	HORZ VERT	N
	SHEET	15

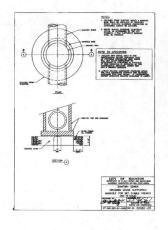


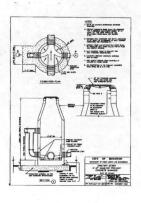
CITY OF HOUSTON

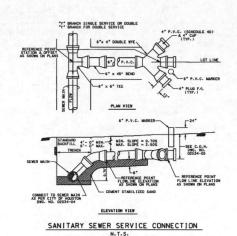
Mare 3/25/117

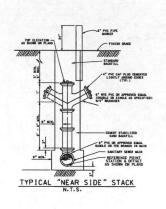
MOTE: CITY SIGNATURES VALID FOR ONE YEAR ONLY AFTER DATE OF SIGNATURES

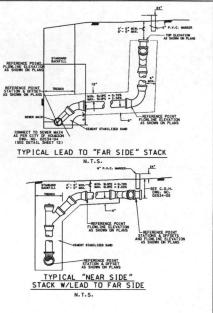
STORE & BROOK

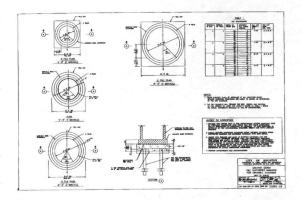


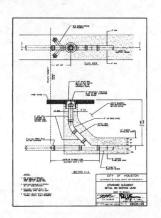


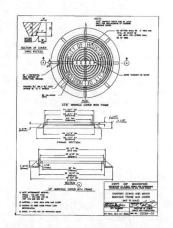












DATE 3/29	OO DEVELOPMENT COOPENATOR
	ALD FOR ONE YEAR CHLY
	OF HOUSTON
WATER ON MY	14 1 TRAFFIC & TRANSPORTATION
MP Con 2 41	A-16 STORM WATER GUALITY
STREET & BROOK	74-17
FILE NO:	FOR CITY OF HOUSTON USE ONLY

			-	DESIGNED BY:
				DESIGN CHECKED BY: AMA
				DRAWN BY: DA
				COGO CHECKED BY: MA
				SURVEY CHECKED BY:
				OA/OC REVISIONS BY: 1275
NO.	REVISION	DATE	BY	Queque marrisonis art.



Engineering and Surveying 9990 Richmond Avenue, Suite 450 N Houston, Texas 77042 (713) 783-7788 (713) 783-3580, Fax TBPE FIRM REG. No. 280 TBPLS FIRM REG. No. 100486

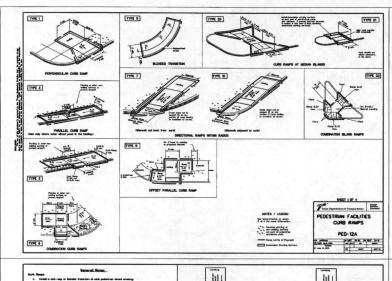
SANITARY SEWER DETAILS

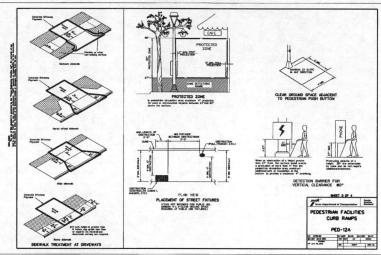
FORT BEND COUNTY MUD. No.30 GRAND VISTA SECTION 21

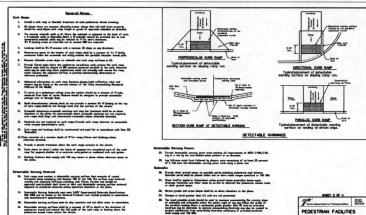


	V 7 10 10 10 10 10 10 10 10 10 10 10 10 10
and the second	DRAWING
inett /a	HORZ ·
Sol	SHEET 16









SIGNED BY:

RAWN BY: DES

ESIGN CHECKED BY: JACK

COGO CHECKED BY:

QAQC REVISIONS BY: D B

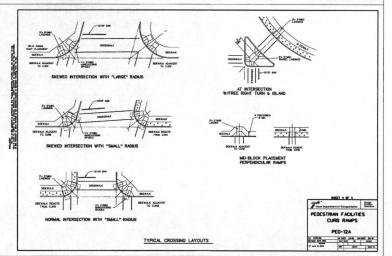
SURVEY CHECKED BY: _

QA/QCBY: RC

Drawings and terrories shall be excellented and paid for at accordance with Date Televantures, Drawings and Terrories, Indeeding shall be accordanced and paid for an accordance with Date Schedules,

22. Detectable serving surfaces shall be involved as that the edge reserved the sort law as it the leak of ours. Along he can so if done to be paymedistic to the grain brain between the range run and the street, Detectable sorring surface mg be surraining the corner reador.

23. Bradel areas on Short I of 4 underto the approximate location for the detectable serving serface for each carb reap type.





4-12	

Costello

PEDESTRIAN FACILITIES

PED-12A

Children III

Engineering and Surveying 9990 Richmond Avenue, Suite 450 N Houston, Texas 77042 (713) 783-7788 (713) 783-3580, Fax TBPE FIRM REG. No. 280 TBPLS FIRM REG. No. 100486

FORT BEND COUNTY MUD. No.30 GRAND VISTA SECTION 21

TXDOT - PEDESTRIAN FACILITIES CURB RAMPS (PED-12A)



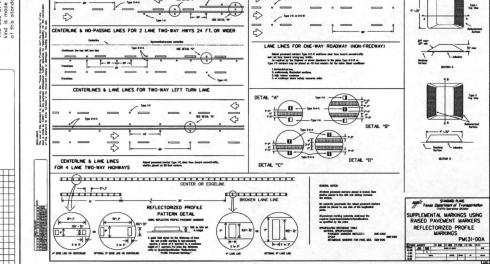


SET & BROOK -17 FILE NO:

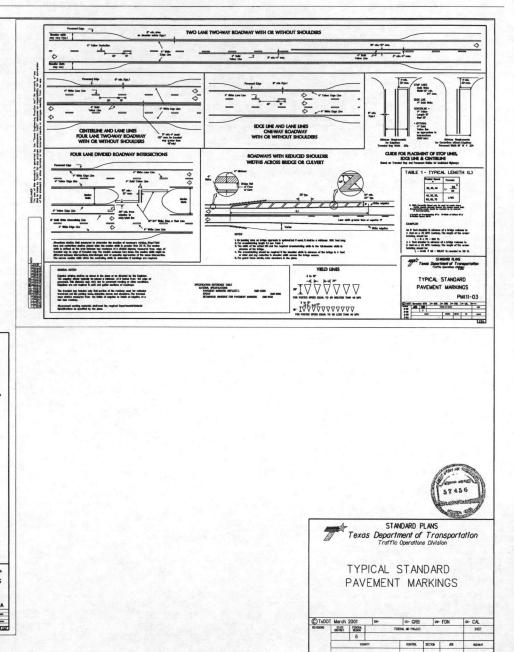


EUD ULLA UNE PROTECTUR TIES UM

STORM WATER QUALITY

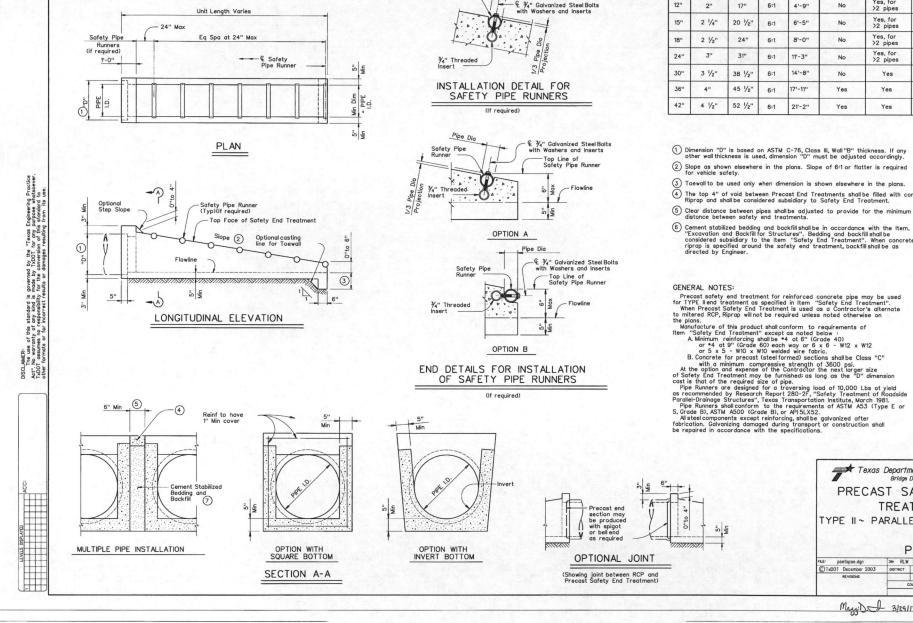


REFLECTIVE RAISED PAVEMENT MARKERS USED TO SUPPLEMENT STANDARD PAVEMENT MARKINGS RAISED PAVEMENT MARKERS



SHEET 18 OF 23

May 3/29/17



Pipe Dia

Safety Pipe Runner

	PIPE	PIPE WALL "B" THICKNESS	"D"	MAXIMUM SLOPE	MINIMUM LENGTH OF UNIT		RUNNERS	REQUIRED PIPE RUNNER SIZES		
	I.D.					SINGLE	MULTIPLE PIPE	NOMINAL DIA.	0.D.	I.D.
	12"	2"	17"	6:1	4'-9"	No	Yes, for >2 pipes	3" STD	3.500"	3.068"
	15"	2 1/4"	20 1/2"	6:1	6'-5"	No	Yes, for >2 pipes	3" STD	3.500"	3.068"
	18"	2 1/2"	24"	6:1	8'-0"	No	Yes, for >2 pipes	3" STD	3.500"	3.068"
	24"	3"	31"	6:1	11'-3"	No	Yes, for >2 pipes	3" STD	3.500"	3.068"
	30"	3 1/2"	38 1/2"	6:1	14'-8"	No	Yes	4" STD	4.500"	4.026"
	36"	4"	45 1/2"	6:1	17'-11"	Yes	Yes	4" STD	4.500"	4.026"
	42"	4 1/2"	52 1/2"	6:1	21'-2"	Yes	Yes	4" STD	4.500"	4.026"

- Dimension "D" is based on ASTM C-76, Class III, Wall "B" thickness. If any other wall thickness is used, dimension "D" must be adjusted accordingly.
- \bigodot Slope as shown elsewhere in the plans. Slope of 6:1 or flatter is required for vehicle safety.
- (3) Toewall to be used only when dimension is shown elsewhere in the plans.
- The top 4" of void between Precast End Treatments shall be filled with concrete Riprap and shall be considered subsidiary to Safety End Treatment.
- (5) Clear distance between pipes shall be adjusted to provide for the minimum distance between safety end treatments.
- (a) Cement stabilized bedding and backfill shall be in accordance with the item, "Excavation and Backfill for Structures". Bedding and backfill shall be considered subsidiary to the Item "Safety End Treatment". When concrete riprap is specified around the safety end treatment, backfill shall be as directed by Engineer.

Precast safety end treatment for reinforced concrete pipe may be used for TYPE I lend treatment as specified in Item "Safety End Treatment". When Precast Safety End Treatment is used as a Contractor's alternate to mitered RCP, Ripray will not be required unless noted otherwise on



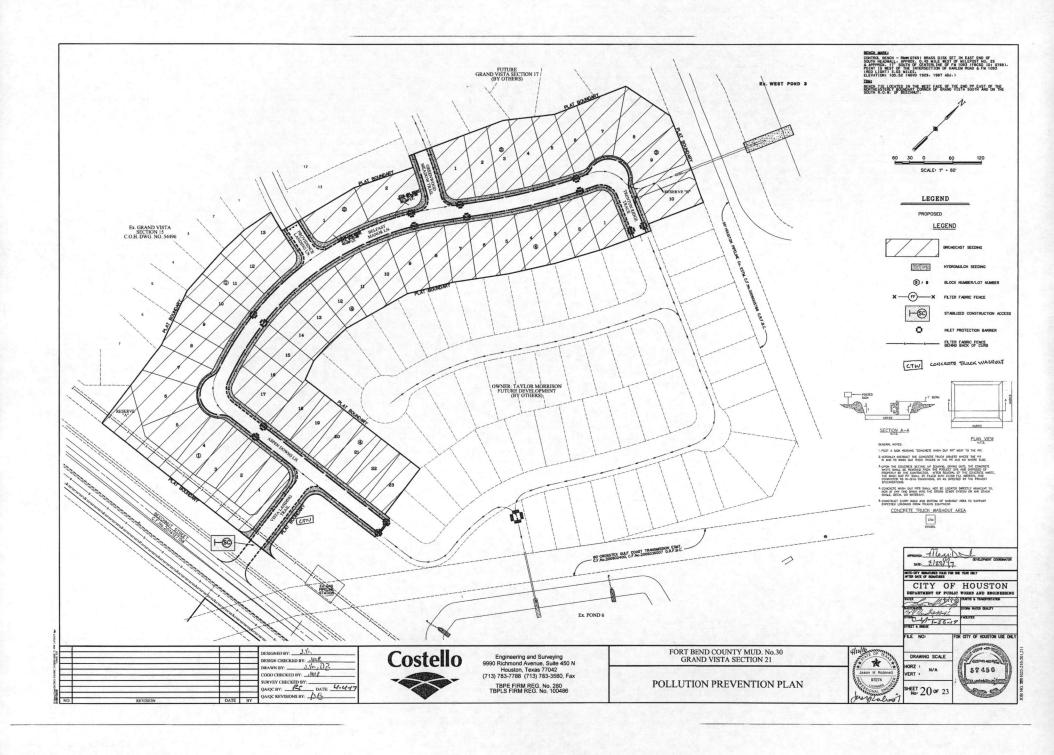
Texas Department of Transportation Bridge Division PRECAST SAFETY END

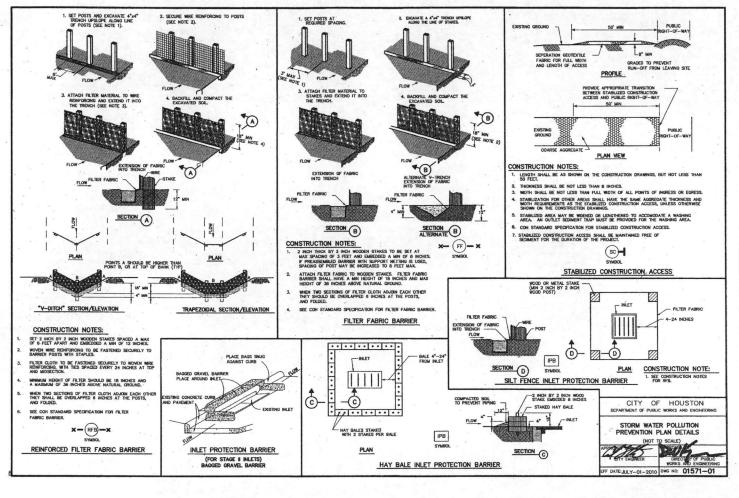
TREATMENT

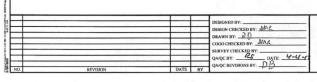
TYPE II ~ PARALLEL DRAINAGE

		PSET-SP							
FILE: p	setspse.dgn	DNI	RLW	СК	KLR	DW: J	TR	cki GAF	
© TxDOT	December 2003	DIST	RICT	FEDERAL AND PROJECT				180F22	
		-	·						
		COUNTY			CONTROL	SECT	JOB	HICHWAY	
					7/10	197			0

SHEET 19 OF 23 May Del 3/29/17









Engineering and Surveying 9990 Richmond Avenue, Suite 450 N Houston, Texas 77042 (713) 783-7788 (713) 783-3580, Fax TBPE FIRM REG. No. 280 TBPLS FIRM REG. No. 100486 FORT BEND COUNTY MUD. No.30 GRAND VISTA SECTION 21

POLLUTION PREVENTION DETAILS



Mario A

NOTE CITY SONATURES VALD FOR ONE YEAR ONLY AFTER DATE OF SONATURES

DATE 3/29/19

