



**REVIEW BY FORT BEND COUNTY
COMMISSIONERS COURT**

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



Right of Way Permit



Commercial Driveway Permit

Permit No: 2017-14200

Applicant: Rodriguez Construction Group LLC

Job Location Site: Harlem Road, Richmond, TX 77407

Bond No. ****6892 **Date of Bond:** 5/12/2017 **Amount:** \$5,000.00

The above applicant came to make use of certain Fort Bend County property subject to, "The Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Chapter 181, Vernon's Texas Statutes and Codes Annotated.

Notes:

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
 - a. 48 hours in advance of construction start up, and
 - b. When construction is completed and ready for final inspection, submit notification to Permit Administrator thru MyGovernmentOnline.org portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.

On this 1st day of August, 2017, Upon Motion of Commissioner _____, seconded by Commissioner _____, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Signature

Presented to Commissioners Court and approved.

By:

Charles O. Ay

ks

County Engineer

Date Recorded _____ Comm. Court No. _____

Clerk of Commissioners Court

N/A

By:

Drainage District Engineer/Manager

By:

Deputy



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

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

☒

Right of Way Permit

☐

Commercial Driveway Permit

Permit No: 2017-14200

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

(1) COMPLETE APPLICATION FORM:

☒
☒
☒

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

(2) BOND:

☐

County Attorney, approval when applicable.

☐

Perpetual bond currently posted.

Bond No:

Amount:

☒

Performance bond submitted.

Bond No: ****6892

Amount: \$5,000.00

☐

Cashier's Check

Check No:

Amount:

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

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

Charles O. Ay

Permit Administrator

7/24/17

Date

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

AUTHORIZED

BOND NO. [REDACTED]

THE STATE OF TEXAS

§

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF FORT BEND

§

THAT WE, Rodriguez Construction Group, LLC whose address is 2647 Jo Ann Street, Stafford Texas, hereinafter called the Principal, And The Guarantee Company of North America USA, a Corporation existing under and by virtue of the laws of the state of Michigan and authorized to do an indemnifying business in the state of Texas, and whose principal office is located at 350 Glenborough Dr., Suite 138, Houston, TX 77067, whose officer residing in the State of Texas, authorized to accept service in all suits and actions brought whining said state is Jillian McKenzie c/o Technical Assurance and Whose address is 26623 Oak Ridge Dr., The Woodlands, TX 77380, 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 Dollars and 00/100 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, commercial driveway and median openings or modifications in the County of Fort Bend, and the State of Texas, under the jurisdiction of the Commissioners' Court of Fort Bend County, Texas, pursuant to the Commissioners' Court order adopted on the 1st day of December, A.D. 1980, recorded in Volume 13, of the Commissioners' Court Minutes of Fort Bend County, Texas, regulating same, which Commissioners' Court order is hereby referred to and made a part hereof for all purposes as though fully set out herein;

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

NOW, THEREFORE, if the above bounden principal shall faithfully perform all its cable, conduit and/or pole line activity (including, but not limited to the laying, construction, maintenance and/or repair of cables, conduits and/or pole lines) in, under, across and/or along roads, streets and highways, commercial driveway and median openings or modifications in the County of Fort Bend and State of Texas, under the jurisdiction of the Commissioners Court of Fort Bend County, Texas, pursuant to and in accordance with minimum requirements and conditions of the above mentioned Commissioners' Court order set forth and specified to be by said principal done and performed, at the time and in the manner therein specified, and 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 12th day of May, 2017.



Rodriguez Construction Group, LLC

PRINCIPAL

BY Roy Rodriguez

President

The Guarantee Company of North America USA

SURETY

BY Jillian McKenzie

, Attorney-in-Fact



The Guarantee Company of North America USA
Southfield, Michigan

Bond No. 70146892
Principal: Rodriguez Construction Group, LLC
Obligee: Robert e. Hebert, County Judge of Fort Bend County

POWER OF ATTORNEY

NOW ALL BY THESE PRESENTS: That THE GUARANTEE COMPANY OF NORTH AMERICA USA, a corporation organized and existing under the laws of the State of Michigan, having its principal office in Southfield, Michigan, does hereby constitute and appoint

Attorney-in-Fact: **Jillian McKenzie**

Agency: **Technical Assurance, L.L.C.**

its true and lawful attorney-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise.

The execution of such instrument(s) in pursuance of these presents, shall be as binding upon THE GUARANTEE COMPANY OF NORTH AMERICA USA as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at the principal office.

The Power of Attorney is executed and may be certified so, and may be revoked, pursuant to and by authority of Article IX, Section 9.03 of the By-Laws adopted by the Board of Directors of THE GUARANTEE COMPANY OF NORTH AMERICA USA at a meeting held on the 31st day of December, 2003. The President, or any Vice President, acting with any Secretary or Assistant Secretary, shall have power and authority:

1. To appoint Attorney-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof; and
2. To revoke, at any time, any such Attorney-in-fact and revoke the authority given, except as provided below
3. In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.
4. In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner - Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

Further, this Power of Attorney is signed and sealed by facsimile pursuant to resolution of the Board of Directors of the Company adopted at a meeting duly called and held on the 6th day of December 2011, of which the following is a true excerpt:

RESOLVED that the signature of any authorized officer and the seal of the Company may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, contracts of indemnity and other writings obligatory in the nature thereof, and such signature and seal when so used shall have the same force and effect as though manually affixed.

IN WITNESS WHEREOF, THE GUARANTEE COMPANY OF NORTH AMERICA USA has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, this 2nd day of October, 2015.

THE GUARANTEE COMPANY OF NORTH AMERICA USA



Stephen C. Ruschak

Randall Musselman

STATE OF MICHIGAN
County of Oakland

Stephen C. Ruschak, President & Chief Operating Officer

Randall Musselman, Secretary

On this 2nd day of October, 2015 before me came the individuals who executed the preceding instrument, to me personally known, and being by me duly sworn, said that each is the herein described and authorized officer of The Guarantee Company of North America USA; that the seal affixed to said instrument is the Corporate Seal of said Company; that the Corporate Seal and each signature were duly affixed by order of the Board of Directors of said



Cynthia A. Takai
Notary Public, State of Michigan
County of Oakland

My Commission Expires February 27, 2018
Acting in Oakland County

IN WITNESS WHEREOF, I have hereunto set my hand at The Guarantee Company of North America USA offices the day and year above written.

Cynthia A. Takai

I, Randall Musselman, Secretary of THE GUARANTEE COMPANY OF NORTH AMERICA USA, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by THE GUARANTEE COMPANY OF NORTH AMERICA USA, which is still in full force and effect.



IN WITNESS WHEREOF, I have thereunto set my hand and attached the seal of said Company this 12th day of May, 2017.

Randall Musselman

Randall Musselman, Secretary



TEXAS CONSUMER NOTICE

1. IMPORTANT NOTICE

To obtain information or make a complaint:

2. You may contact your **agent at:**

3. You may call The Guarantee Company of North America USA's toll-free telephone number for information or to make a complaint at: 1-866-328-0567

4. You may also write to The Guarantee Company of North America USA at:

One Towne Square, Suite 1470
Southfield, Michigan 48076
Web: www.theguaranteeus.com
E-mail: Info@theguaranteeus.com
Fax: 248-750-0431

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

6. You may write the Texas Department of Insurance:
333 Guadalupe Street
P.O. Box 149104
Austin, TX 78701
Fax: (512) 490-1007
Web: <http://www.tdi.texas.gov>
E-mail: ConsumerProtection@tdi.texas.gov

7. PREMIUM OR CLAIM DISPUTES:

Should you have a dispute concerning your premium or about a claim you should contact the (agent) (company) (agent or the company) first. If the dispute is not resolved, you may contact the Texas Department of Insurance.

8. 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 informacion o para someter una queja:

Puede comunicarse con su **agent** al

Usted puede llamar al numero de telefono gratis de The Guarantee Company of North America USA's para informacion o para someter una queja al: 1-866-328-0567

Usted tambien puede escribir a to The Guarantee Company of North America USA;

One Towne Square, Suite 1470
Southfield, Michigan 48076
Web: www.theguaranteeus.com
E-mail: Info@theguaranteeus.com
Fax: 248-750-0431

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

Puede escribir al Departamento de Seguros de Texas:
333 Guadalupe Street
P.O. Box 149104
Austin, TX 78701
Fax: (512) 490-1007
Web: <http://www.tdi.texas.gov>
E-mail: ConsumerProtection@tdi.texas.gov

DISPUTAS SOBRE PRIMAS O RECLAMOS:

Si tiene una disputa concerniente a su prima o a un reclamo, debe comunicarse con el (agente) (la compania) agente o la compania) 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 document adj unto.

5/23/2017

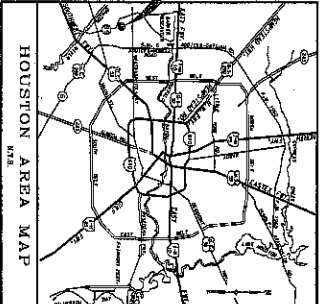
Roy Rodriguez

I do not believe a traffic control plan is necessary because the work will be done project side and will not interfere with any traffic on the roadway.

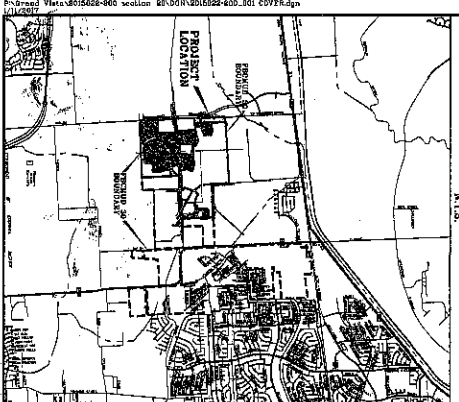
CONSTRUCTION PLANS

FOR WATER, SEWER, DRAINAGE AND PAVING IMPROVEMENTS

FOR GRAND VISTA SECTION 20 WITHIN FORT BEND COUNTY M.U.D. No. 30 FORT BEND COUNTY, TEXAS



MAP REFLECTS KEY MAP 839 Q. 235 E. ZIP CODE 77407
VICINITY MAP



INDEX OF DRAWINGS

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198	DRAINAGE DETAILS
199	PLAN AND PROFILE
200	MISCELLANEOUS

THE STANDARD SHEET SPECIFICALLY INCORPORATED BY A LAW HAS BEEN SELECTED BY THE ENGINEER OF THIS PROJECT TO BE USED IN THE STATE OF TEXAS. THE ENGINEER OF THIS PROJECT IS NOT RESPONSIBLE FOR THE DESIGN OF THE PROJECT.

DATE: 1/17/17

DATE: 1/17/17

NOTE: CITY ENGINEERS AND FOR ONE YEAR ONLY AFTER DATE OF ADOPTION

EARL BEND COUNTY ENGINEER
 DATE: 3/23/17
 NAME: [Signature]
 TITLE: [Signature]
 APPROVED: [Signature]
 EXPIRATION: 3/14/17



SUBMITTED BY: COSTELLO, INC.

4/1/17

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

DATE: 1/17/17

DATE: 1/17/17

DATE: 1/17/17

DATE: 1/17/17

DATE: 1/17/17

DATE: 1/17/17

DATE: 1/17/17

GENERAL CONSTRUCTION NOTES (CONT.)

[illegible]

the 1980s, when the construction industry was suffering from a severe recession. The industry was in a state of crisis, with many firms facing bankruptcy and a significant loss of jobs. The industry was in a state of crisis, with many firms facing bankruptcy and a significant loss of jobs. The industry was in a state of crisis, with many firms facing bankruptcy and a significant loss of jobs.

[illegible][illegible]

ON JULY TWENTY-ONE (21) OF THE EXISTING
 ORS SHALL BE REMOVED AND DISCHARGERS AND TIES TO THE LINES,
 WITH IN REPAIR OF VALVES ARE TO BE LOCATED AS
 THE PLUMBS AT A LITTLE TIME AND SPARE FOR THE
 AND CLOSING OF ALL WATER AND IRRIGATION VALVES, OR THE
 THE PLUMBS SHALL BE REPAIRED BY THE DISTRICT OPERATOR OR,
 1955-56. DISCHARGE WITH AVOIDING DISCHARGE SERVICES AT

BY: JA
 IN: DP to dc
 ORDERED BY: _____
 DATE: 3-26-17
 DISCHARGE BY: DP

Cost

SANITARY SEWER CONSTRUCTION NOTES CONT.

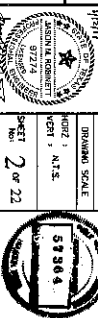
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FORT BEND COUNTY MUD NO. 30

GRAND JURY SECTION 20

CONSTRUCTION NOTES

JOB NO. 2015022-280



CO	FORT GR
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OB NO.2015021-260

1. ALL SANITARY SEWERS SHALL BE 18" DIA. UNLESS OTHERWISE SPECIFIED.
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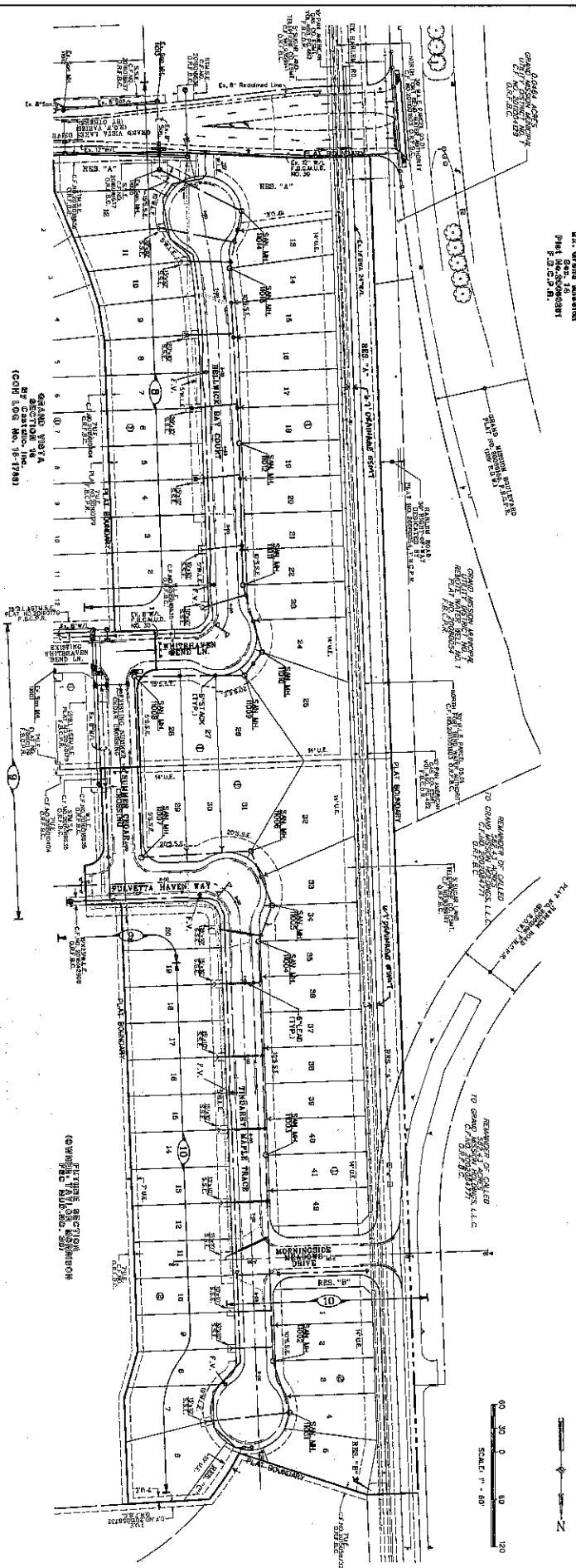


Table 2.1
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NO.	DESCRIPTION	DATE	BY	CHECKED
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4	4. ALL SANITARY SEWERS SHALL BE 18" DIA. UNLESS OTHERWISE SPECIFIED.			
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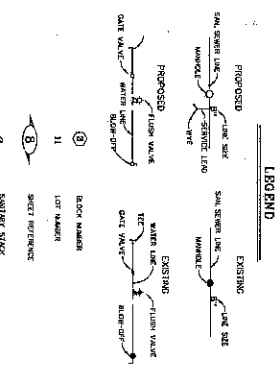


Table 2.2
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Costello
 Engineering and Surveying
 8960 Richmond Avenue, Suite 450 N
 Houston, Texas 77042
 (713) 762-7788 (713) 762-5585, Fax
 THERESA@COSTELLO-ENG.COM
 THERESA@COSTELLO-ENG.COM

FORT BEND COUNTY MUD NO. 30
 GRAND VISTA SECTION 20
 WATER AND SANITARY LAYOUT



SHEET 3 OF 22
 DRAINAGE SCALE
 1" = 60'
 01364

[illegible][illegible]

	1987-2	8.1	34	20	1.76	0.25	0.22	92.98	92.97	93.50	92.37	1.34
1987-3	1987-2	27.48	28	28	3.55	0.45	0.12	50.47	94.43	94.62	93.10	1.48
1987-4	1987-3	28.50	27	20	5.34	0.41	0.19	62.43	90.22	92.73	92.85	0.92
1987-5	1987-4	33.03	356	38	6.42	0.54	0.48	13.21	92.43	92.73	92.85	0.96
1987-6	1987-5	32.09	432	37	6.54	0.61	0.38	13.21	90.09	91.00	91.40	0.61
1987-7	1987-6	35.44	301	34	5.61	0.59	0.20	50.19	92.50	91.85	92.34	1.01

Intensity (b) from Baileys Farm east of Ovation Caves for the Grand County, Texas, Figure 2-9 July 2009.

[illegible]

	INLET CONCNGY	AVAILABLE HEAD (FT)	INLET
	W/ALUMINA BED	ISCA AND VV	Type 00 inlet
		Q12	Type 00 inlet
		Q13	Type 00 inlet
		Q10C2	Type 00 inlet
		24.67	
	> 17.48 Q (ft/min)		

FORT BEND COUNTY MUD No. 30
GRAND VISTA SECTION 2D

Costello
9990 Richmond Avenue, Suite 450
Houston, Texas 77042
(713) 783-7788 (713) 783-3580, Fax
TYPE FIRM REG. No. 280

DRAINAGE CALCULATIONS



DRAWING SCALE
HORIZ :
VERT :
SHEET NO. 5 OF 22



[illegible]

- Standard Pavement Markings shall be placed according to the following standards:

2. All personnel performing markings placed on concrete or asphalt pavements shall be trained in the use of the marking equipment and shall have the qualifications of 13mm 566.
3. All colored pavement marking shall meet the requirements of 673 - "Painted Pavement Markings" and 674 - "Thermoplastic Pavement Markings".
4. All colored pavement marking shall be placed with the following marking equipment:
 - a. Thermoplastic marking equipment
 - b. Cold paint marking equipment
5. The following marking equipment shall be permitted according to the equipment specifications:
 - a. Cold paint marking equipment
 - b. Cold paint marking equipment
 - c. Cold paint marking equipment
 - d. Cold paint marking equipment
 - e. Cold paint marking equipment
 - f. Cold paint marking equipment
 - g. Cold paint marking equipment
 - h. Cold paint marking equipment
 - i. Cold paint marking equipment
 - j. Cold paint marking equipment
 - k. Cold paint marking equipment
 - l. Cold paint marking equipment
 - m. Cold paint marking equipment
 - n. Cold paint marking equipment
 - o. Cold paint marking equipment
 - p. Cold paint marking equipment
 - q. Cold paint marking equipment
 - r. Cold paint marking equipment
 - s. Cold paint marking equipment
 - t. Cold paint marking equipment
 - u. Cold paint marking equipment
 - v. Cold paint marking equipment
 - w. Cold paint marking equipment
 - x. Cold paint marking equipment
 - y. Cold paint marking equipment
 - z. Cold paint marking equipment
6. Prior to the placement of pavement markings, the pavement surface shall be prepared in accordance with the following marking equipment specifications:
 - a. Cold paint marking equipment
 - b. Cold paint marking equipment
 - c. Cold paint marking equipment
 - d. Cold paint marking equipment
 - e. Cold paint marking equipment
 - f. Cold paint marking equipment
 - g. Cold paint marking equipment
 - h. Cold paint marking equipment
 - i. Cold paint marking equipment
 - j. Cold paint marking equipment
 - k. Cold paint marking equipment
 - l. Cold paint marking equipment
 - m. Cold paint marking equipment
 - n. Cold paint marking equipment
 - o. Cold paint marking equipment
 - p. Cold paint marking equipment
 - q. Cold paint marking equipment
 - r. Cold paint marking equipment
 - s. Cold paint marking equipment
 - t. Cold paint marking equipment
 - u. Cold paint marking equipment
 - v. Cold paint marking equipment
 - w. Cold paint marking equipment
 - x. Cold paint marking equipment
 - y. Cold paint marking equipment
 - z. Cold paint marking equipment
7. Prior to placing the 13mm 566 pavement marking on concrete pavements, the following marking equipment shall be placed on the pavement:
 - a. Cold paint marking equipment
 - b. Cold paint marking equipment
 - c. Cold paint marking equipment
 - d. Cold paint marking equipment
 - e. Cold paint marking equipment
 - f. Cold paint marking equipment
 - g. Cold paint marking equipment
 - h. Cold paint marking equipment
 - i. Cold paint marking equipment
 - j. Cold paint marking equipment
 - k. Cold paint marking equipment
 - l. Cold paint marking equipment
 - m. Cold paint marking equipment
 - n. Cold paint marking equipment
 - o. Cold paint marking equipment
 - p. Cold paint marking equipment
 - q. Cold paint marking equipment
 - r. Cold paint marking equipment
 - s. Cold paint marking equipment
 - t. Cold paint marking equipment
 - u. Cold paint marking equipment
 - v. Cold paint marking equipment
 - w. Cold paint marking equipment
 - x. Cold paint marking equipment
 - y. Cold paint marking equipment
 - z. Cold paint marking equipment

SMD (OEN)-Q2
SMD (SLIP-1)

9. Only the Texas Universal Triangular Slip Base Sign Supports will be permitted.
Ref: The Texas Department of Transportation Standard Specifications for Construction of Highway Street and Bridges 2004.

Ex. STOP SIGN #/STREET NAME	Ex. OOH TYPE & BARRICADE (TO BE REMOVED)	LOT NUMBER / BLOCK NUMBER	WHEEL CHAIR RAMP	PROP. CON TYPE III BARRICADE
1	2	3	4	5

LEGEND

BACK OF 4-INCH CONC. CURB
BACK OF 6-INCH CONC. CURB

CURB

TRAFFIC SIGN DETAIL
N.T.S.

FORT BEND COUNTY MUD No. 30
 GRAND VISTA SECTION 20

PAVEMENT MARKING AND SIGNAGE LAYOUT



Costello

Engineering and Surveying
300 Richmond Avenue, Suite 450 N
Houston, Texas 77042
(713) 783-7788 (713) 783-3680, Fax
783-7788
TYPE FIRM REG. No. 289
S. E. CLARK, P.E.C., No. 100448

PAVEMENT MARKING AND SIGNAGE LAYOUT

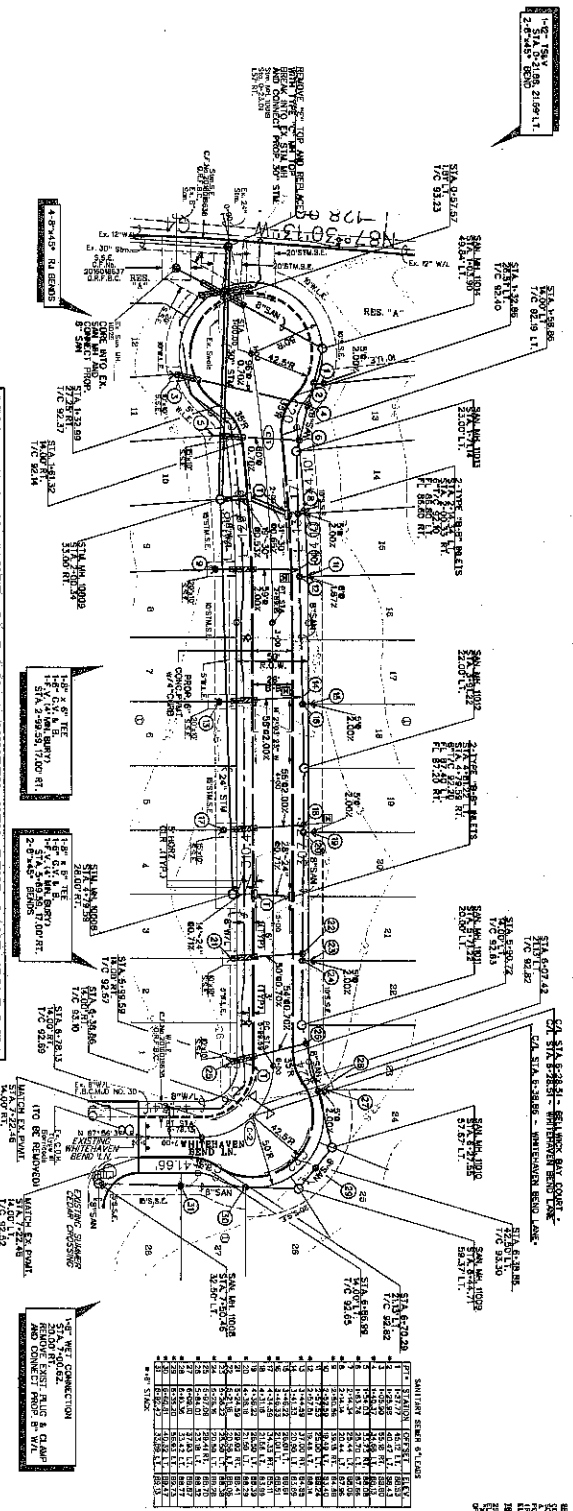
1/24/17

STATE OF TEXAS
JASON M. ROBINETT
97274
418250
SINEER

SHEET 6 OF 77



BELWICK BAY COURT (50' R.O.W.) & WHITEHAVEN BEND LANE (50' R.O.W.)
CONTRACTOR TO FIELD VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION

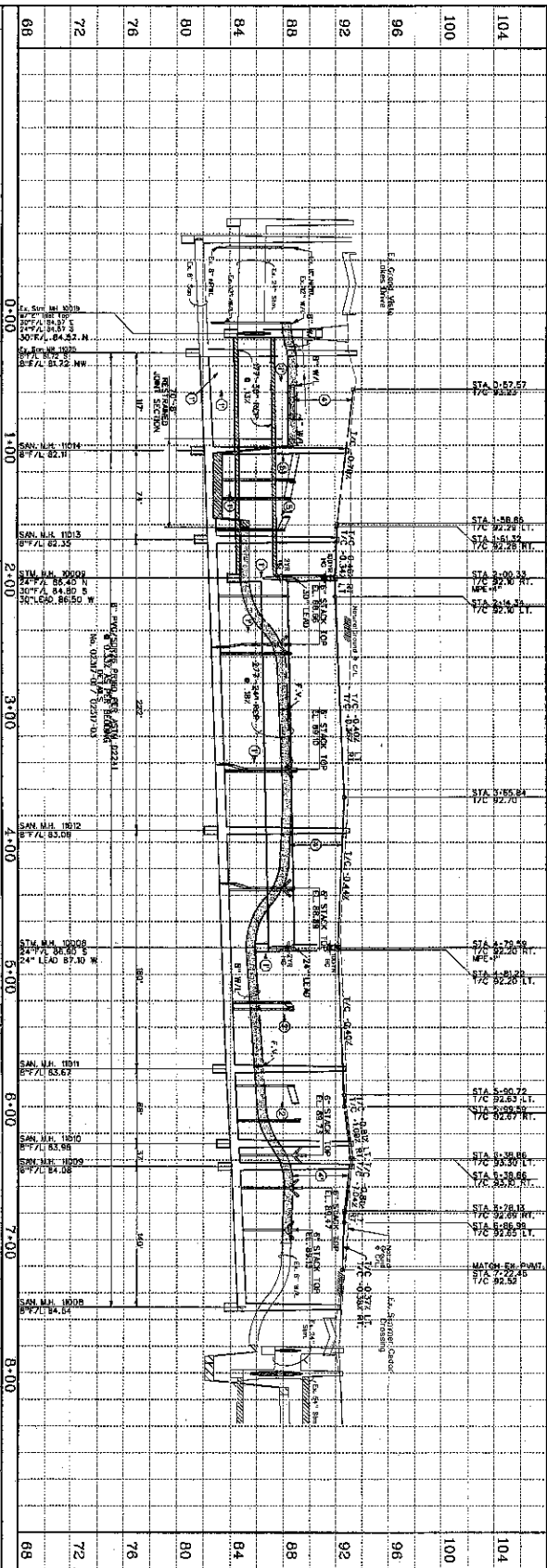


NOTES

1. ALL PROPOSED CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS.
2. THE PROPOSED CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS.
3. THE PROPOSED CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS.
4. THE PROPOSED CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS.

LEGEND

- 1. EXISTING ROAD CENTERLINE
- 2. PROPOSED ROAD CENTERLINE
- 3. EXISTING ROAD RIGHT-OF-WAY
- 4. PROPOSED ROAD RIGHT-OF-WAY
- 5. EXISTING ROAD EASEMENT
- 6. PROPOSED ROAD EASEMENT
- 7. EXISTING ROAD RIGHT-OF-WAY
- 8. PROPOSED ROAD RIGHT-OF-WAY
- 9. EXISTING ROAD EASEMENT
- 10. PROPOSED ROAD EASEMENT



PROPOSED ROADWAY DATA

SCALE: 1" = 40' HORIZ.

CL. CURVE DATA

STATION	CHORD BEARING	CHORD DIST.	ARC DIST.	ARC BEARING
104	N 89° 15' 00" E	100.00	100.00	N 89° 15' 00" E
100	N 89° 15' 00" E	100.00	100.00	N 89° 15' 00" E
96	N 89° 15' 00" E	100.00	100.00	N 89° 15' 00" E
92	N 89° 15' 00" E	100.00	100.00	N 89° 15' 00" E
88	N 89° 15' 00" E	100.00	100.00	N 89° 15' 00" E
84	N 89° 15' 00" E	100.00	100.00	N 89° 15' 00" E
80	N 89° 15' 00" E	100.00	100.00	N 89° 15' 00" E
76	N 89° 15' 00" E	100.00	100.00	N 89° 15' 00" E
72	N 89° 15' 00" E	100.00	100.00	N 89° 15' 00" E
68	N 89° 15' 00" E	100.00	100.00	N 89° 15' 00" E

Costello Engineering and Surveying
5550 Richmond Avenue, Suite 450 N
Houston, Texas 77056
(713) 785-7725 (FAX) 785-5590, Fax
TDD: 785-7725, No. 10046

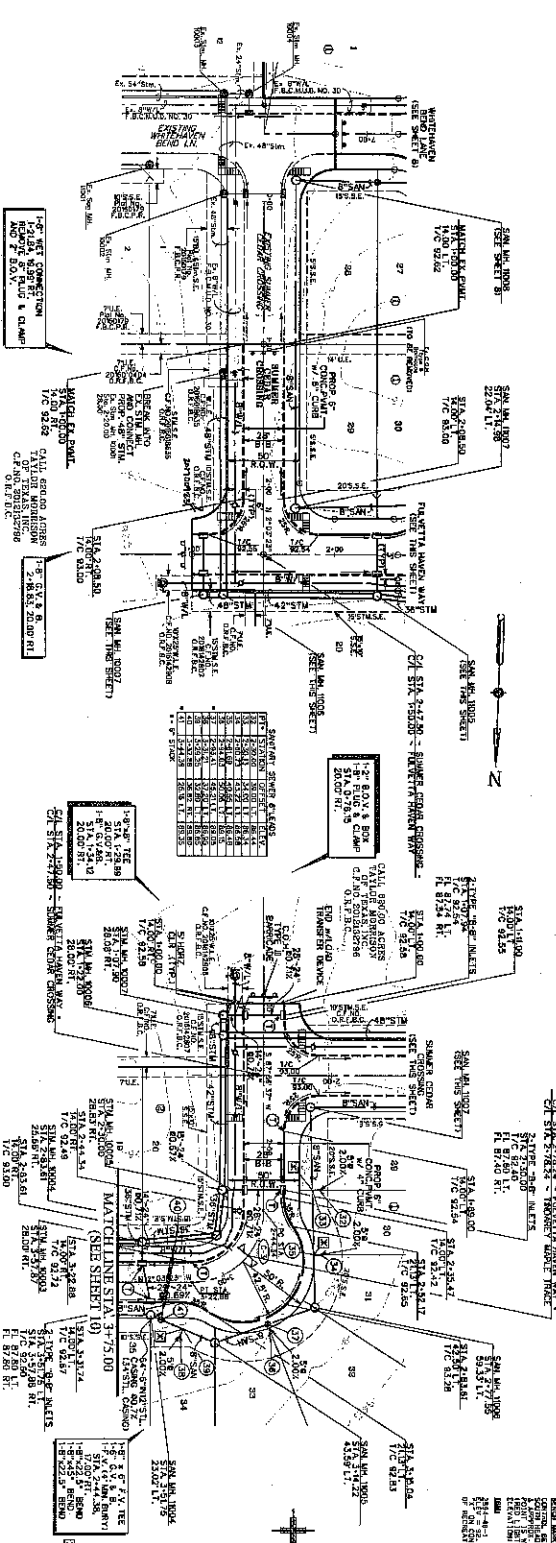
BELWICK BAY COURT & WHITEHAVEN BEND LANE

PORT BEND COUNTY MAP No. 30
GRAND VISTA SECTION 2E

APPROVED
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
DATE: 10/1/11
BY: [Signature]

DESIGNED BY: JHA
DRAWN BY: AD, UK
CHECKED BY: AD
DATE: 3-28-17
DATE: 3-28-17

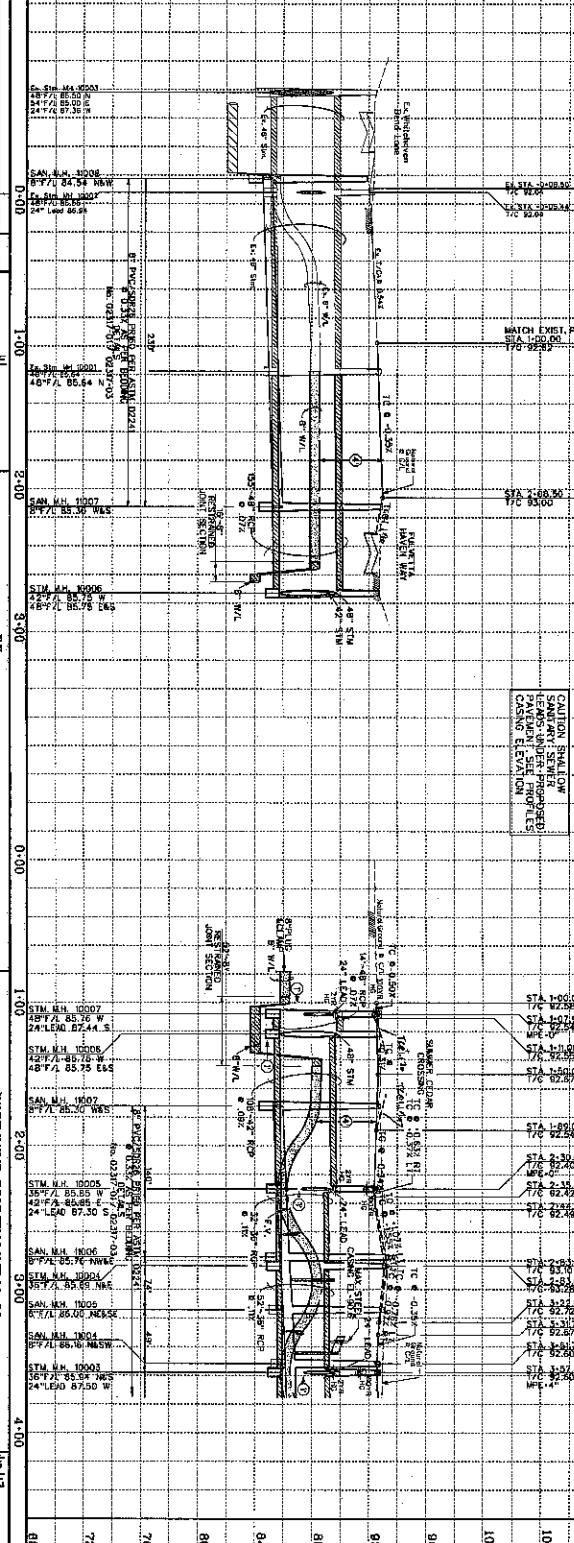
87364



NOTES

1. THE CROSSING IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, AS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION.
2. THE CROSSING IS TO BE CONSTRUCTED AS A 12' WIDE, 12' HIGH BRIDGE WITH A 12' CLEARANCE OVER THE EXISTING ROADWAY.
3. THE CROSSING IS TO BE CONSTRUCTED WITH A 12' WIDE, 12' HIGH BRIDGE WITH A 12' CLEARANCE OVER THE EXISTING ROADWAY.
4. THE CROSSING IS TO BE CONSTRUCTED WITH A 12' WIDE, 12' HIGH BRIDGE WITH A 12' CLEARANCE OVER THE EXISTING ROADWAY.
5. THE CROSSING IS TO BE CONSTRUCTED WITH A 12' WIDE, 12' HIGH BRIDGE WITH A 12' CLEARANCE OVER THE EXISTING ROADWAY.
6. THE CROSSING IS TO BE CONSTRUCTED WITH A 12' WIDE, 12' HIGH BRIDGE WITH A 12' CLEARANCE OVER THE EXISTING ROADWAY.
7. THE CROSSING IS TO BE CONSTRUCTED WITH A 12' WIDE, 12' HIGH BRIDGE WITH A 12' CLEARANCE OVER THE EXISTING ROADWAY.
8. THE CROSSING IS TO BE CONSTRUCTED WITH A 12' WIDE, 12' HIGH BRIDGE WITH A 12' CLEARANCE OVER THE EXISTING ROADWAY.
9. THE CROSSING IS TO BE CONSTRUCTED WITH A 12' WIDE, 12' HIGH BRIDGE WITH A 12' CLEARANCE OVER THE EXISTING ROADWAY.
10. THE CROSSING IS TO BE CONSTRUCTED WITH A 12' WIDE, 12' HIGH BRIDGE WITH A 12' CLEARANCE OVER THE EXISTING ROADWAY.

SUMMER CEDAR CROSSING (50' R.O.W.)
CONTRACTOR TO FIELD VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION
RIVERITA HAVEN WAY (50' R.O.W.) & TINDAREY MAPLE TRACE (50' R.O.W.)



PROPOSED ELEVATIONS AT
SECTION 3+00
SCALE 1" = 4' VERTICAL

STATION	ELEVATION
3+00	104.00
3+10	100.00
3+20	96.00
3+30	92.00
3+40	88.00
3+50	84.00
3+60	80.00
3+70	76.00
3+80	72.00
3+90	68.00

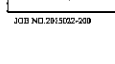


Costello
 Engineering and Surveying
 9900 Richmond Avenue, Suite 450 N
 Houston, Texas 77042
 (713) 759-7788 (FAX) 759-5590, Fax
 T813-574-1111, No. 180496

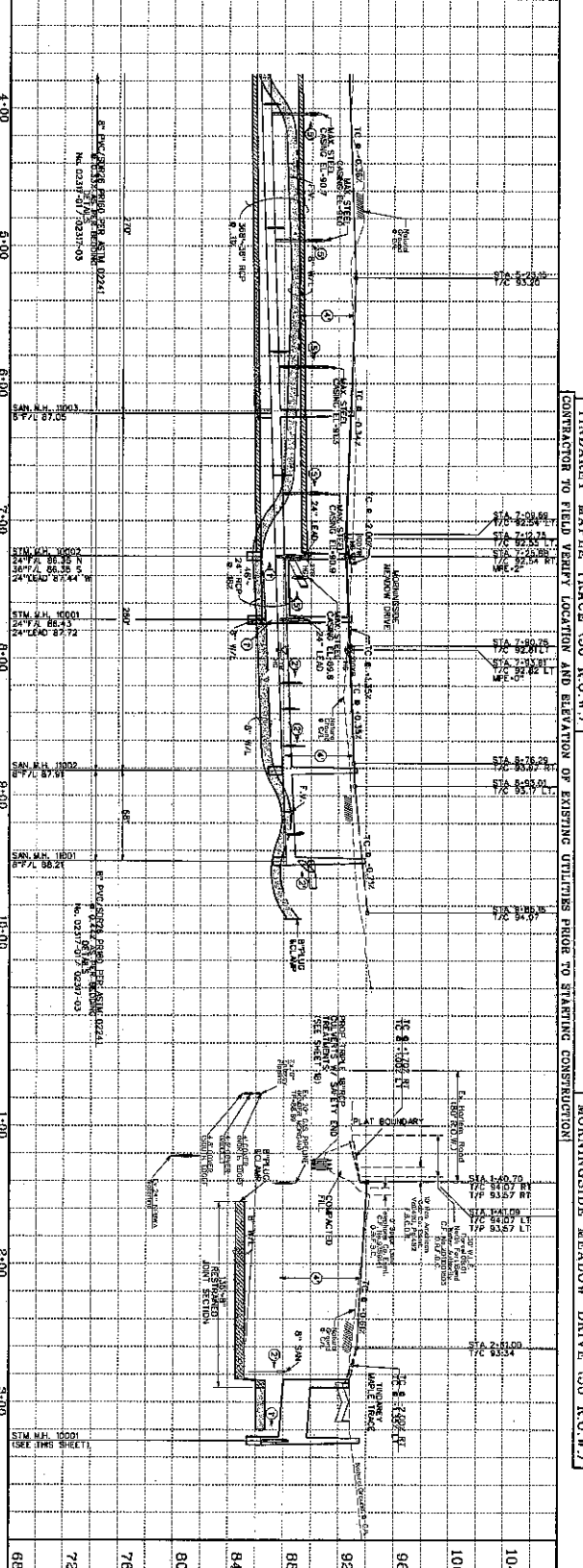
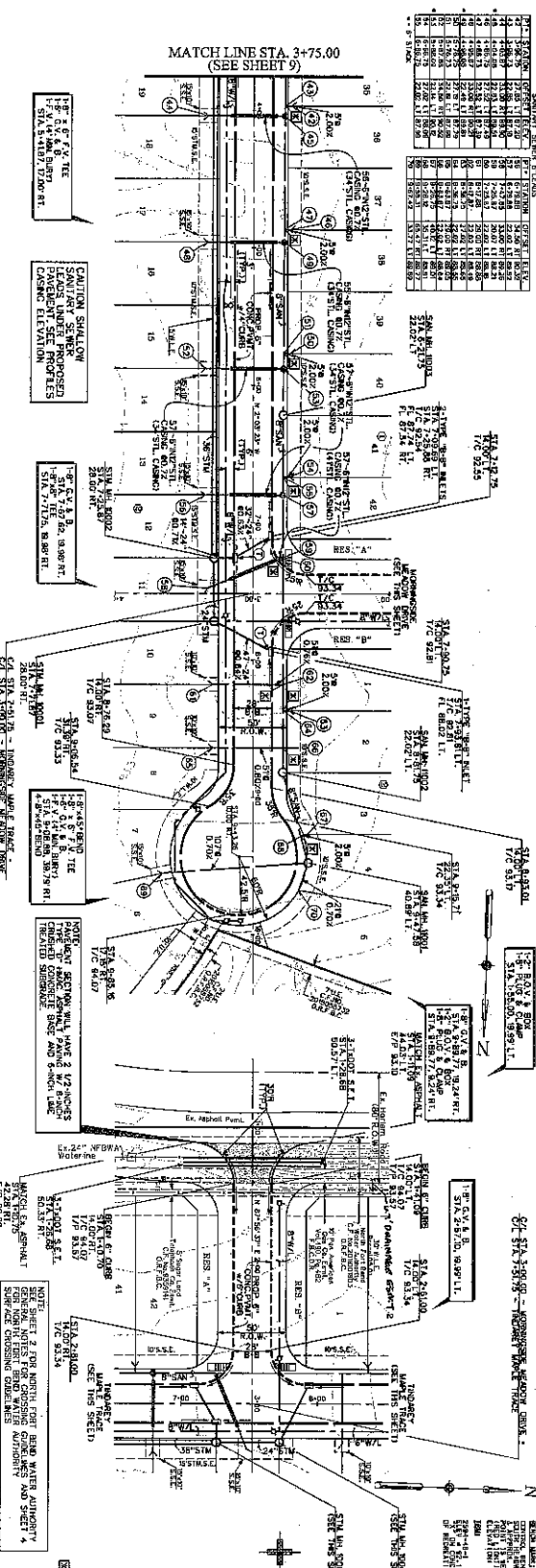
FORT BEND COUNTY MTD No. 30
GRAND VISTA SECTION 20
SUMMER CEDAR CROSSING,
RIVERITA HAVEN WAY
& TINDAREY MAPLE TRACE
STA. 2+83.60 TO 3+75.00



DESIGNED BY
DAVID J. COSTELLO
REGISTERED PROFESSIONAL ENGINEER
STATE OF TEXAS, NO. 180496
DATE: 3-28-17



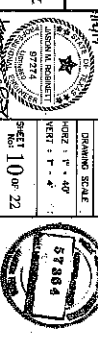
STATION	EXIST. ELEV.	PROPOSED ELEV.	CHANG. ELEV.
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2	12.00	12.00	0.00
3	12.00	12.00	0.00
4	12.00	12.00	0.00
5	12.00	12.00	0.00
6	12.00	12.00	0.00
7	12.00	12.00	0.00
8	12.00	12.00	0.00
9	12.00	12.00	0.00
10	12.00	12.00	0.00
11	12.00	12.00	0.00
12	12.00	12.00	0.00
13	12.00	12.00	0.00
14	12.00	12.00	0.00
15	12.00	12.00	0.00
16	12.00	12.00	0.00
17	12.00	12.00	0.00
18	12.00	12.00	0.00
19	12.00	12.00	0.00
20	12.00	12.00	0.00
21	12.00	12.00	0.00
22	12.00	12.00	0.00
23	12.00	12.00	0.00
24	12.00	12.00	0.00
25	12.00	12.00	0.00
26	12.00	12.00	0.00
27	12.00	12.00	0.00
28	12.00	12.00	0.00
29	12.00	12.00	0.00
30	12.00	12.00	0.00
31	12.00	12.00	0.00
32	12.00	12.00	0.00
33	12.00	12.00	0.00
34	12.00	12.00	0.00
35	12.00	12.00	0.00
36	12.00	12.00	0.00
37	12.00	12.00	0.00
38	12.00	12.00	0.00
39	12.00	12.00	0.00
40	12.00	12.00	0.00
41	12.00	12.00	0.00
42	12.00	12.00	0.00
43	12.00	12.00	0.00
44	12.00	12.00	0.00
45	12.00	12.00	0.00
46	12.00	12.00	0.00
47	12.00	12.00	0.00
48	12.00	12.00	0.00
49	12.00	12.00	0.00
50	12.00	12.00	0.00
51	12.00	12.00	0.00
52	12.00	12.00	0.00
53	12.00	12.00	0.00
54	12.00	12.00	0.00
55	12.00	12.00	0.00
56	12.00	12.00	0.00
57	12.00	12.00	0.00
58	12.00	12.00	0.00
59	12.00	12.00	0.00
60	12.00	12.00	0.00
61	12.00	12.00	0.00
62	12.00	12.00	0.00
63	12.00	12.00	0.00
64	12.00	12.00	0.00
65	12.00	12.00	0.00
66	12.00	12.00	0.00
67	12.00	12.00	0.00
68	12.00	12.00	0.00



NO.	REVISION	DATE	BY
1	ISSUED	10-22-17	JH
2	REVISION	10-22-17	JH
3	REVISION	10-22-17	JH
4	REVISION	10-22-17	JH
5	REVISION	10-22-17	JH
6	REVISION	10-22-17	JH
7	REVISION	10-22-17	JH
8	REVISION	10-22-17	JH
9	REVISION	10-22-17	JH
10	REVISION	10-22-17	JH
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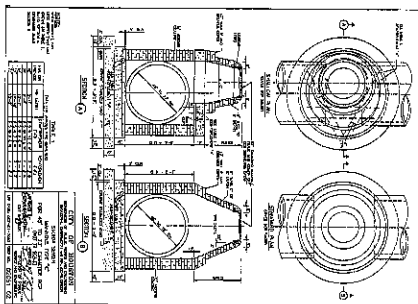
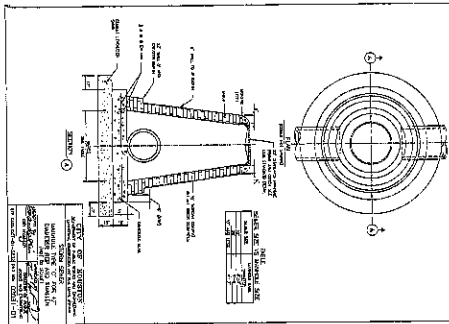
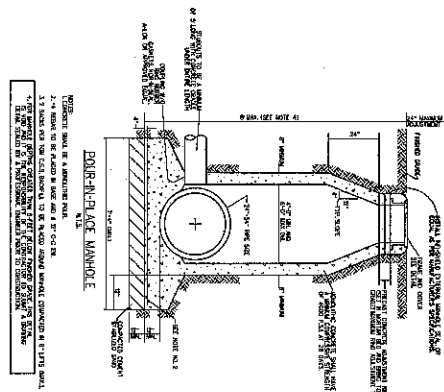
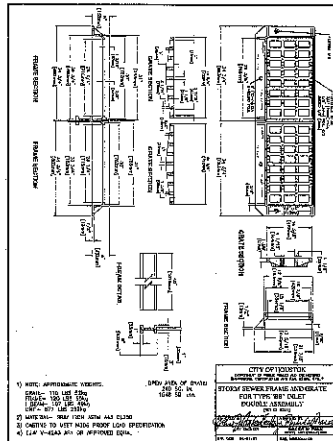
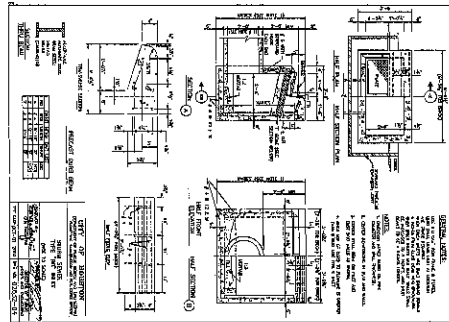
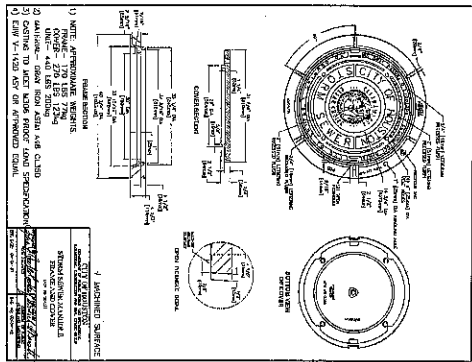
Costello
Engineering and Surveying
6800 Richmond Avenue, Suite 450 N
Houston, Texas 77042
(713) 783-7708 (713) 783-5500, Fax
1815 FIRM REG. NO. 260
1815 FIRM REG. NO. 10046

TINDAREY MAPLE TRACE STA. 3+75.00 TO END & MORNINGSID MEADOW DRIVE



NO. 10-22-22

NO. 10-22-22



DESIGNED BY: JH	INCHES: 1/4"
DRAWN BY: JB	
CHECKED BY: JB	
DATE: 3-2-17	
DATE REVISION BY: JB	

Costello
Engineering and Surveying
6980 Richmond Avenue, Suite 450 N
Houston, Texas 77056
(713) 783-7765 (713) 783-3560, Fax
713-783-7765 No. 62046

PORT BEND COUNTY AID No. 30
GRAND VISTA SECTION 20

DRAINAGE DETAILS



DRAINAGE SCALE
HONG, N.E.S.
SHEET 11 of 22



APPROVED: **M. J. Smith**
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEER IN CHARGE
PROJECT: **11-1-17**
SHEET: **11 of 22**

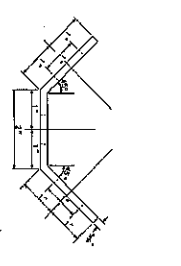


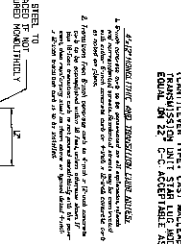
TABLE 1
REL. INFORMATION FOR VARIOUS
MESSSES (01-MTH)

SHOULDER SLAB

TYPICAL EXPANSION JOINT FILLER

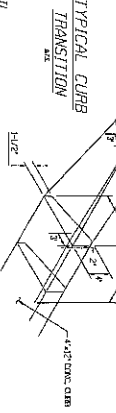
NOTES

1. FILL WITH 45% STRONG SPECIFIC GRAVITY PORTLAND CEMENT CONCRETE OR EQUIVALENT BARS - SEE DETAIL TO RIGHT



DOWEL TYPE EXPANSION JOINT

TRANSMISS) ON UNIT STAR LUG MODEL D-27 OR
EQUAL OR 22 C-C-ACCEPTABLE AS ALTERNATE }



4"x12" CURB

EXISTING FLEXIBLE PAVEMENT STRUCTURE



CONSTRUCTION JOINT SEAL

RECEIVED

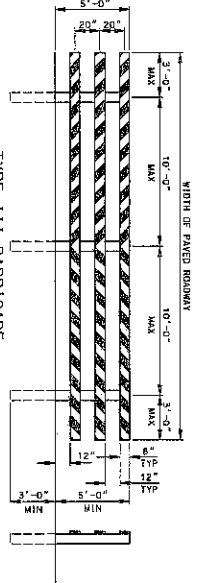


STRIPING FOR BARRICADE

STRIPING FOR BARRICADE

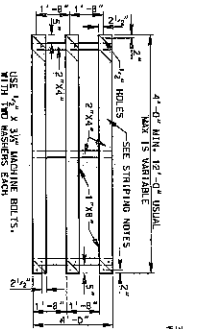
FOR ALL TYPES OF BARRICADES, WITH TALES LESS THAN 3'-0" LONG, STRIPES 4" WIDE SHALL BE USED. IDENTIFICATION MARKINGS MAY BE SHOWN ONLY ON BACK SIDE OF BARRICADE TALES.

- ① REDUCING COMPYED IN APPROVED PAYMENT, 2" CLEAR AT EDGE.
- ② SAW-CUT 2" DEEP AND REMOVE 2" EXISTING PAVEMENT OR PAVEMENT WITH CORNER, EXPOSED AND CLEAN EXISTING REINFORCING.
- ③ 2" x 4" x 4" PLASTER LAP OR WELD, IF DIRECTED.
- ④ IF ANY PROPOSED REINFORCING STEEL EXIST, HORIZONTAL BARS SHALL BE BARS, BARS DO NOT LONG BELLIED AND CHISELED 1/2" INTO THE EXISTING OR THE EXISTING CORNER, SAW AND WELD OR APPROVED EQUAL, BARS SHALL BE PLACED 2" DOWN TO CENTER.

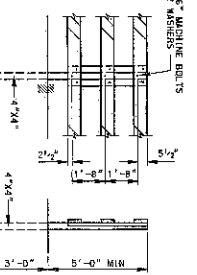


TYPE III BARRICADE
FOR END OF ROAD

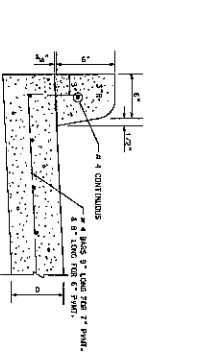
FOR TYPE II BARRICADE (FOR END OF ROAD, THE THREE (3) BAILS SHALL BE REFLECTIVE RED AND REFLECTIVE WHITE STRIPES ON SIDE FACING TRAFFIC
(HIGH INTENSITY SHEETING ON BARRICADE OR NICKOLITE)



PANEL FOR
TYPE III BARRICADE

POST FOR
TYPE III BARRICADE

0 100 200 300 400 500 600 700 800 900 1000

CONCRETE CURB

EXPANSION JOINT TO BE PLACED AT THE END OF EACH CURB RADIUS AND SPACED APPROX. 60'-6" APART.

	DRAWING SCALE _____
	MONTH : N.Y.S. YEAR : _____
SHEET No. 12 of 22	

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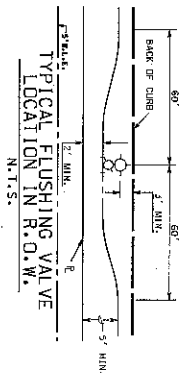
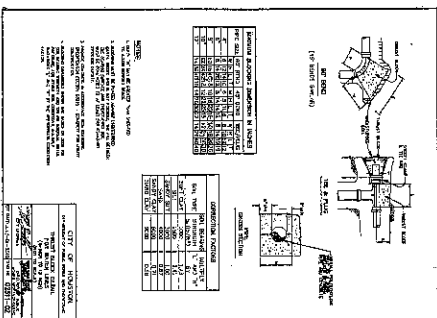
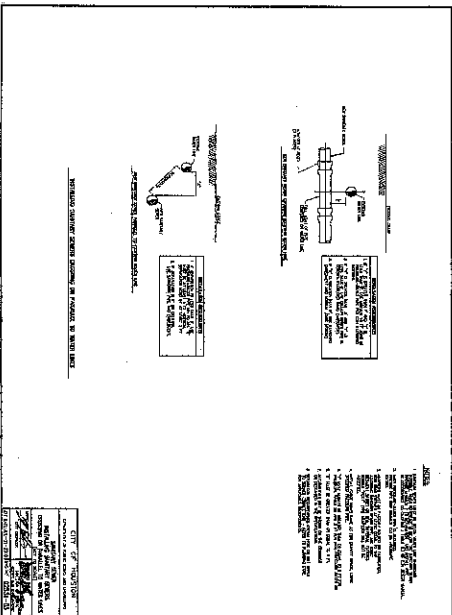
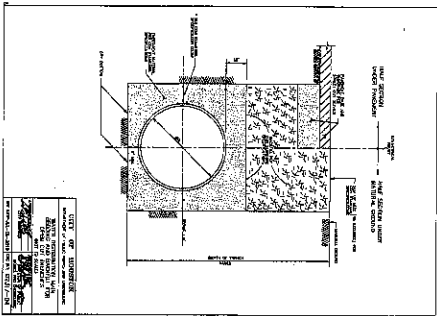
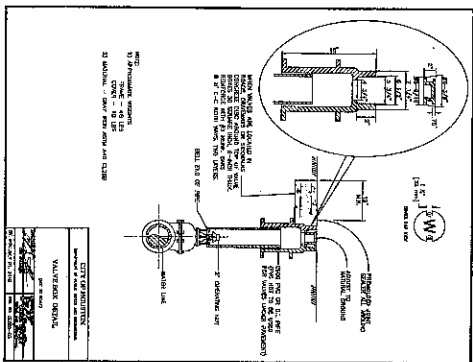
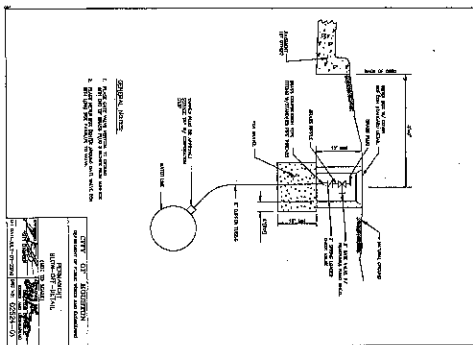
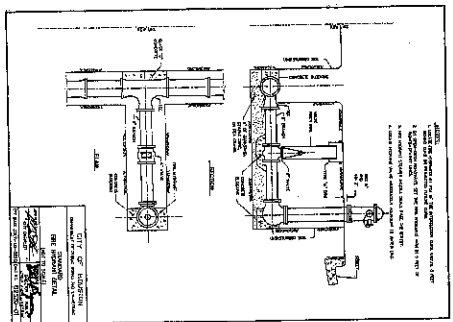
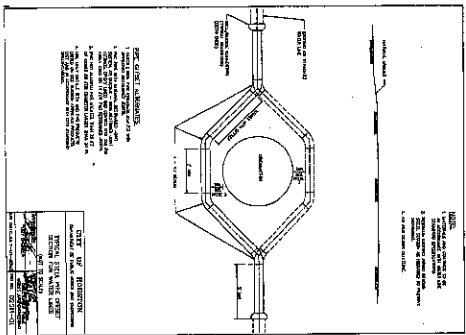
17/11/17

STATE OF TEXAS
COUNTY OF DALLAS
JASON M. ROBE
NOTARY PUBLIC
91274
My Comm. Expires 01/01/2020

DIAMET. SCALE	MOHZ : VERT : N.T.S.
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SHEET
 No. 12 OF 22



NO.	REVISION	DATE	BY
1	AS SHOWN	3-28-17	JS
2	AS SHOWN	3-28-17	JS
3	AS SHOWN	3-28-17	JS
4	AS SHOWN	3-28-17	JS
5	AS SHOWN	3-28-17	JS
6	AS SHOWN	3-28-17	JS
7	AS SHOWN	3-28-17	JS
8	AS SHOWN	3-28-17	JS
9	AS SHOWN	3-28-17	JS
10	AS SHOWN	3-28-17	JS

Costello
Engineering and Surveying
5880 Richmond Avenue, Suite 450 N
Houston, Texas 77042
(713) 783-7788 (713) 783-5880 Fax
TSP (A) 17100 NCS, Inc. (10/2008)

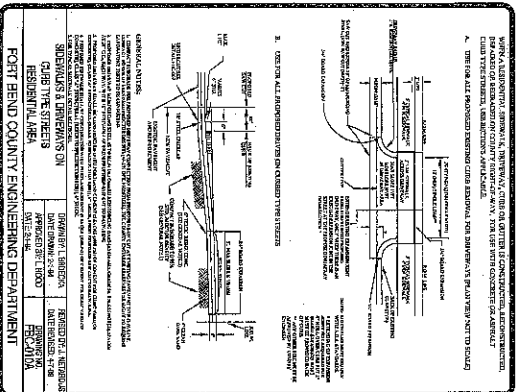
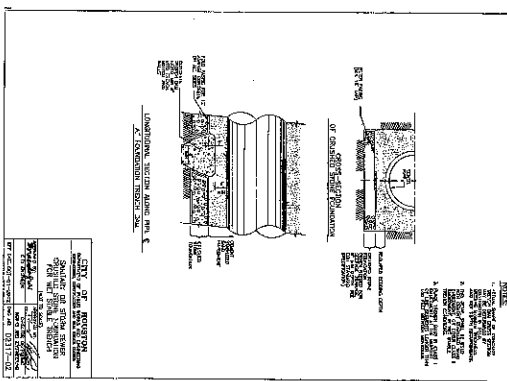
PORT BRUND COUNTY MUD No. 30
GRAND VISTA SECTION 20
WATER MAIN DETAILS



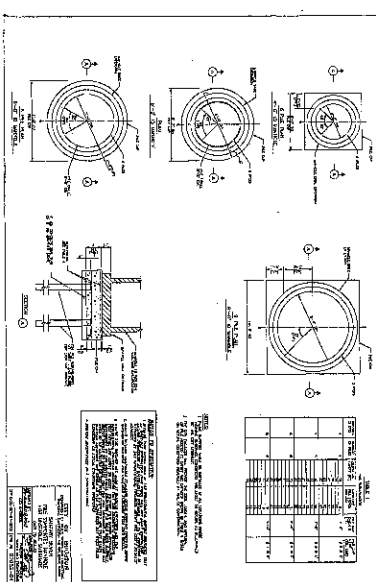
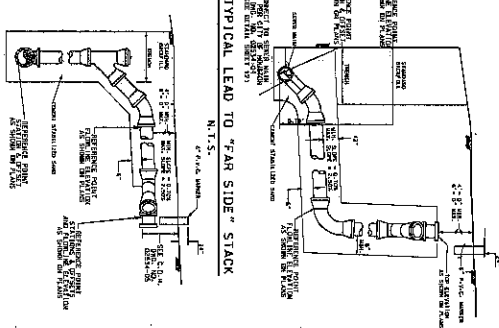
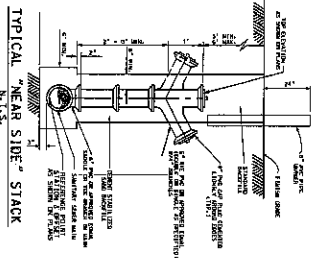
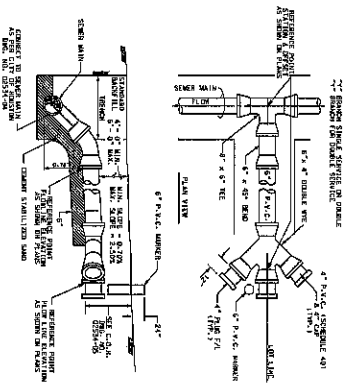
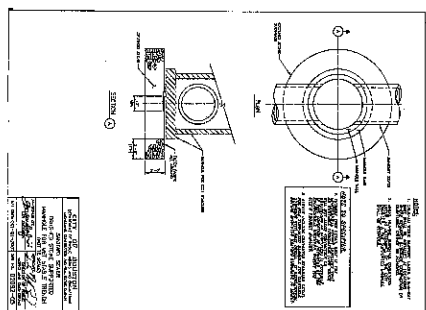
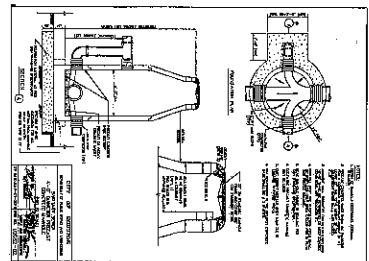
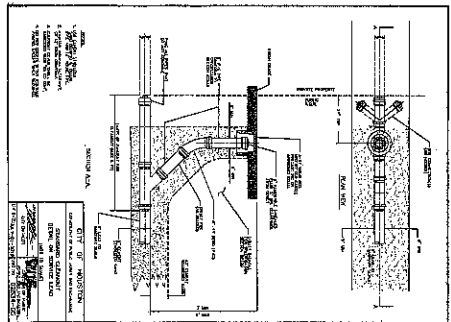
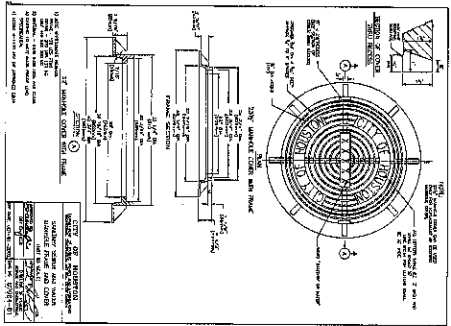
DRIVING SCALE
1" = 10' N.T.S.
SHEET 13 OF 22



FOR CITY OF HOUSTON USE ONLY
DATE: 3-28-17
BY: JS



JOB NO. 2D15022-260



SANITARY SEWER SERVICE CONNECTION
N.T.S.

TYPICAL "NEAR SIDE" STACK
N.T.S.

TYPICAL LEAD TO "FAR SIDE" STACK
N.T.S.

TYPICAL "NEAR SIDE" STACK
W/LEAD TO FAR SIDE
N.T.S.

NO.	REVISION	DATE	BY
1			
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Engineering and Surveying
9900 Richmond Avenue, Suite 400 N
Houston, Texas 77042
(713) 783-7788 (713) 783-3550, Fax
TBE15-FRM REG. No. 280
TBE15-FRM REG. No. 100485

PORT BEND COUNTY MUD No.30
GRAND VISTA SECTION 20
SANITARY SEWER DETAILS

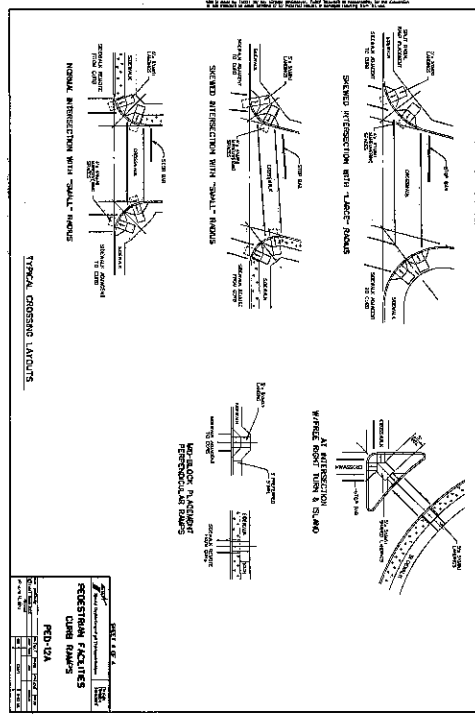
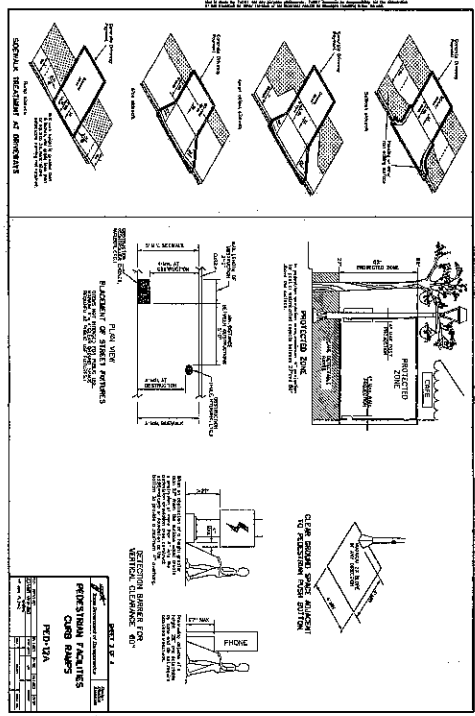


DATE: 3/11/17
SCALE: 1" = 1'-0"



FILE NO. 15 OF 22

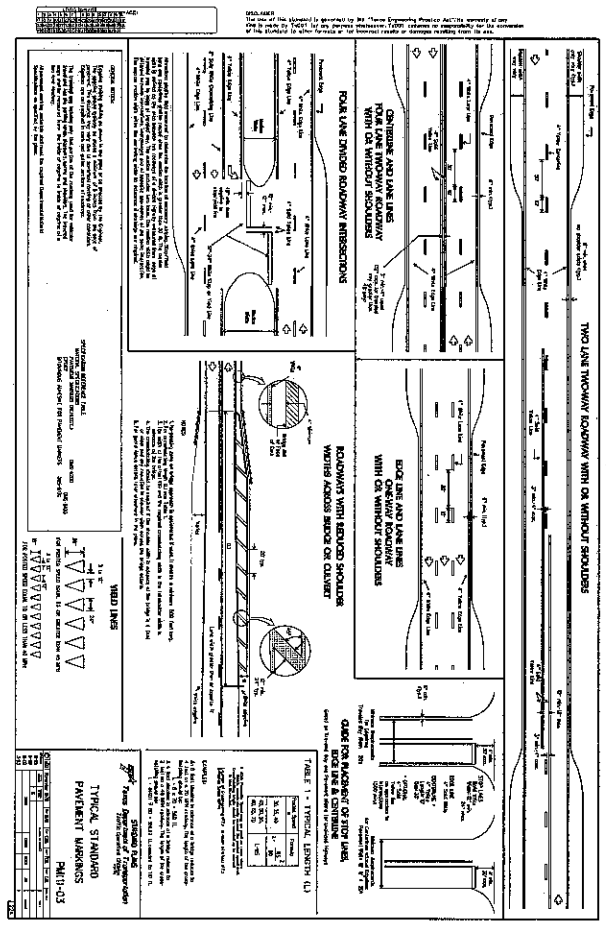
100 NO. 301 502-200



	DRAWING SCALE 1/2" = 1'	
	SHEET 16 OF 22 NO. 16 OF 22	

100-NO-2016021-100

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 Texas Department of Transportation Traffic Operations Division	
STANDARD PLANS	
TYPICAL STANDARD PAVEMENT MARKINGS	
PROJECT: 170401 March 2001 REVISION: 01/01 12/01 SHEET: 5	
CITY/STATE	100- CDB FEDERAL AID DISTRICT
COUNTY	100- FCM FEDERAL ROAD DISTRICT
SECTION	SECTION
AD	AD
NOTES	NOTES

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SHEET 18 OF 22

