

**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. ****8888 **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 Nuyres, seconded by Commissioner Morales, 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
for County Engineer

Date Recorded 8-4-2017 Comm. Court No. 9D

N/A
By: _____
Drainage District Engineer/Manager

Clerk of Commissioners Court
By: Kendra Willis
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: [REDACTED] 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.

Charly 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. [REDACTED]
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.

FILED AND RECORDED
OFFICIAL PUBLIC RECORDS

Laura Richard

Laura Richard, County Clerk
Fort Bend County, Texas

August 04, 2017 03:06:29 PM

FEE: \$0.00 SB
BOND

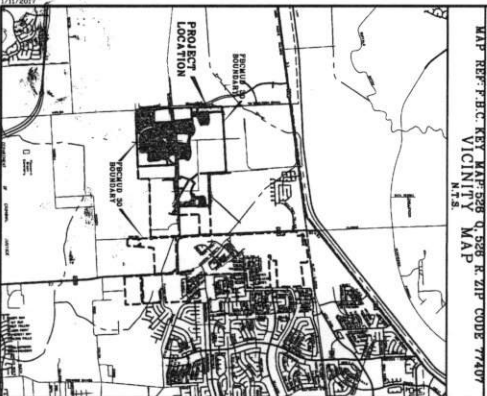
2017087754



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.



JOH NO.2015023-200

SUBJECT: MURKIN
CHARACTER: BENCH - (MAY 07/69) BASS 0154 SET IN EAST END OF
SOUTH RAMPWAY, APPROX. 0.5 MI. WEST OF MILLPOND, RD. 25
POINT, 1.5 MI. S. OF INTERSECTION OF MILLPOND RD. & FM 1093
THIS IS SET OF INTERSECTION OF MILLPOND RD. & FM 1093
LOCATION: 10.1 MI. S. OF INTERSECTION OF MILLPOND RD. & FM 1093
CREATED: 10/26/80 BY: 10000 1023, 1007 DOJ.



LEGEND

UNLESS OTHERWISE SPECIFIED
ALL PROPOSED:
SANITARY SEWERS ARE 8"
WATER LINES ARE 8"

APPROVED: _____
DATE: 5/14/17
CITY OF HOUSTON
PLANNING DEPARTMENT

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

NAME: [Signature]
TITLE: [Signature]
ADDRESS: [Signature]

[illegible]DESIGNED BY: JH
DESIGN CHECKED BY: TD JR

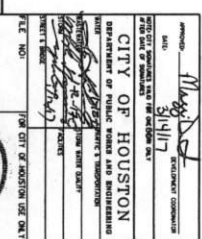
Costello

Engineering and Surveying

FORT BEND COUNTY MUD No. 3
GRAND VISTA SECTION 20

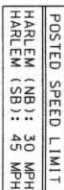
WATER AND SANITARY LAYOUT





DRAWING SCALE	
SHEET No.	4 of 22



[illegible]

LEGEND

	CONSTRUCTION WARNING SIGN
	CHANNELIZING DEVICE
	CONSTRUCTION ZONE
	DIRECTION OF TRAFFIC FLOW
	FLAGGER

MISCELLANEOUS TRAFFIC CONTROL NOTES

1. All advanced warning signs to be set prior to start of construction activities and to remain in place until all construction activities are complete and accepted by the local County Engineer. The contractor shall submit a copy of the approved plans to the local County Engineer for review.
2. All flaggers shall be in radio contact with each other at all times, as required.
3. All pavement markings covered by overlay shall be replaced before opening to traffic.
4. All workers shall be in possession of a valid driver's license and a valid state of California driver's license shall notify the North Coast Engineering Department at least two weeks prior to any construction.
5. All portable signaling drums and cones shall be removed at the end of each day.
6. All workers shall be equipped with a hard hat, safety glasses, and safety vest with green or yellow reflective stripes.
7. Access to existing businesses or residences shall be maintained at all times.
8. Traffic control signs may be adjusted to fit third conditions, with approval of the engineer.
9. All workers shall be equipped with a minimum of 100 ft. of reflective safety tape.
10. All workers shall be equipped with a 2 1/2" or heavier safety wedge capable of supporting vehicle loads.

JOB NO.2015022-200

Confidence Coefficients	
Subinterval	z
b	75.01
d	16.2
e	0.8315
Peakling Factor	1.00

[illegible]

05. <u>Revisions of Cash, GWT-45A</u>			
2.97	91.60	92.10	-1.08

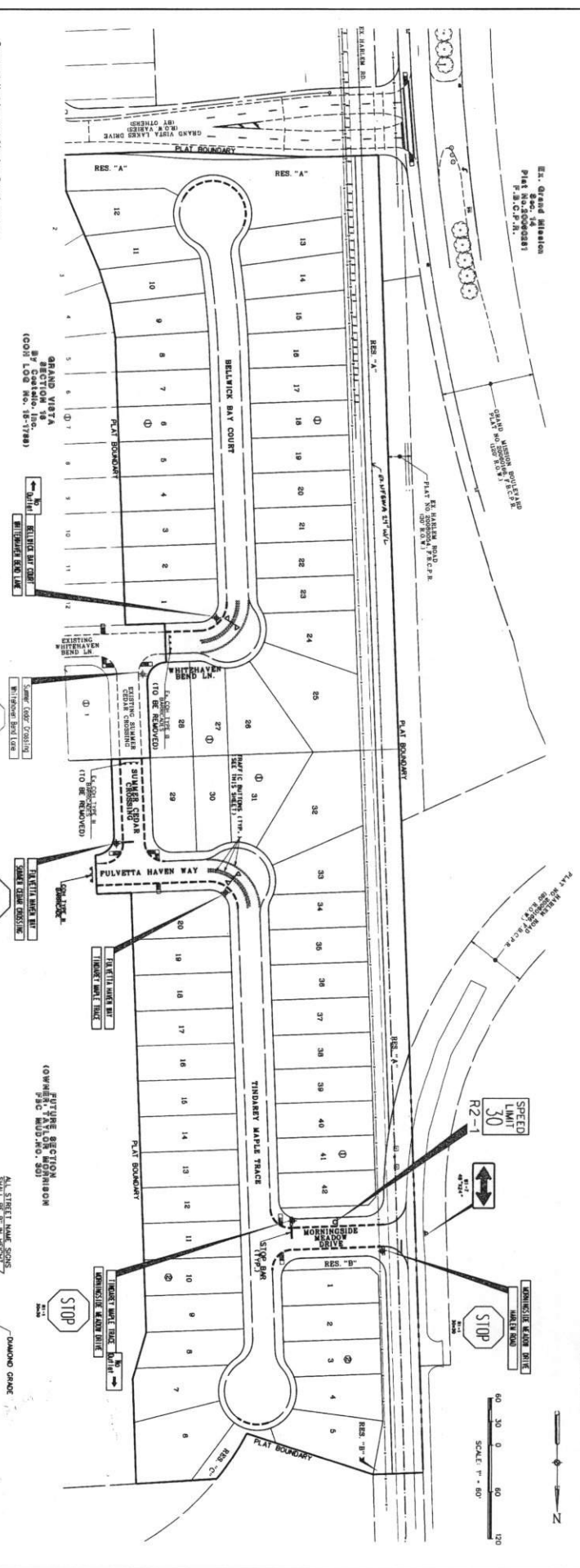
Table 1: Summary of the data for the 1000 Genomes Project									
Sample ID	Population	Sex	Age	Height (cm)	Weight (kg)	BMI (kg/m ²)	Genetic Data		Phenotypic Data
							SNPs	Indels	
NA19841	CEU	Female	29	165.1	58.0	35.1	10,000,000	500,000	1.70
NA19842	CEU	Male	30	170.2	65.0	35.2	10,000,000	500,000	1.75
NA19843	CEU	Female	31	168.5	62.0	36.5	10,000,000	500,000	1.80
NA19844	CEU	Male	32	172.0	68.0	36.6	10,000,000	500,000	1.85
NA19845	CEU	Female	33	169.8	64.0	37.5	10,000,000	500,000	1.90
NA19846	CEU	Male	34	173.5	70.0	37.4	10,000,000	500,000	1.95
NA19847	CEU	Female	35	171.0	66.0	38.6	10,000,000	500,000	2.00
NA19848	CEU	Male	36	174.2	72.0	38.5	10,000,000	500,000	2.05
NA19849	CEU	Female	37	172.5	68.0	39.4	10,000,000	500,000	2.10
NA19850	CEU	Male	38	175.8	74.0	39.3	10,000,000	500,000	2.15
NA19851	CEU	Female	39	174.0	70.0	40.2	10,000,000	500,000	2.20
NA19852	CEU	Male	40	177.2	76.0	40.1	10,000,000	500,000	2.25
NA19853	CEU	Female	41	175.5	72.0	41.0	10,000,000	500,000	2.30
NA19854	CEU	Male	42	178.8	78.0	40.9	10,000,000	500,000	2.35
NA19855	CEU	Female	43	177.0	74.0	41.8	10,000,000	500,000	2.40
NA19856	CEU	Male	44	180.2	80.0	41.7	10,000,000	500,000	2.45
NA19857	CEU	Female	45	178.5	76.0	42.6	10,000,000	500,000	2.50
NA19858	CEU	Male	46	181.8	82.0	42.5	10,000,000	500,000	2.55
NA19859	CEU	Female	47	180.0	78.0	43.4	10,000,000	500,000	2.60
NA19860	CEU	Male	48	183.2	84.0	43.3	10,000,000	500,000	2.65
NA19861	CEU	Female	49	181.5	80.0	44.2	10,000,000	500,000	2.70
NA19862	CEU	Male	50	184.8	86.0	44.1	10,000,000	500,000	2.75
NA19863	CEU	Female	51	183.0	82.0	45.0	10,000,000	500,000	2.80
NA19864	CEU	Male	52	186.2	88.0	44.9	10,000,000	500,000	2.85
NA19865	CEU	Female	53	184.5	84.0	45.8	10,000,000	500,000	2.90
NA19866	CEU	Male	54	187.8	90.0	45.7	10,000,000	500,000	2.95
NA19867	CEU	Female	55	186.0	86.0	46.6	10,000,000	500,000	3.00
NA19868	CEU	Male	56	189.2	92.0	46.5	10,000,000	500,000	3.05
NA19869	CEU	Female	57	187.5	88.0	47.4	10,000,000	500,000	3.10
NA19870	CEU	Male	58	190.8	94.0	47.3	10,000,000	500,000	3.15
NA19871	CEU	Female	59	189.0	90.0	48.2	10,000,000	500,000	3.20
NA19872	CEU	Male	60	192.2	96.0	48.1	10,000,000	500,000	3.25
NA19873	CEU	Female	61	190.5	92.0	49.0	10,000,000	500,000	3.30
NA19874	CEU	Male	62	193.8	98.0	48.9	10,000,000	500,000	3.35
NA19875	CEU	Female	63	192.0	94.0	49.8	10,000,000	500,000	3.40
NA19876	CEU	Male	64	195.2	100.0	49.7	10,000,000	500,000	3.45
NA19877	CEU	Female	65	193.5	96.0	50.6	10,000,000	500,000	3.50
NA19878	CEU	Male	66	196.8	102.0	50.5	10,000,000	500,000	3.55
NA19879	CEU	Female	67	195.0	98.0	51.4	10,000,000	500,000	3.60
NA19880	CEU	Male	68	198.2	104.0	51.3	10,000,000	500,000	3.65
NA19881	CEU	Female	69	196.5	100.0	52.2	10,000,000	500,000	3.70
NA19882	CEU	Male	70	199.8	106.0	52.1	10,000,000	500,000	3.75
NA19883	CEU	Female	71	198.0	102.0	53.0	10,000,000	500,000	3.80
NA19884	CEU	Male	72	201.2	108.0	52.9	10,000,000	500,000	3.85
NA19885	CEU	Female	73	199.5	104.0	53.8	10,000,000	500,000	3.90
NA19886	CEU	Male	74	202.8	110.0	53.7	10,000,000	500,000	3.95
NA19887	CEU	Female	75	201.0	106.0	54.6	10,000,000	500,000	4.00
NA19888	CEU	Male	76	204.2	112.0	54.5	10,000,000	500,000	4.05
NA19889	CEU	Female	77	202.5	108.0	55.4	10,000,000	500,000	4.10
NA19890	CEU	Male	78	205.8	114.0	55.3	10,000,000	500,000	4.15
NA19891	CEU	Female	79	204.0	110.0	56.2	10,000,000	500,000	4.20
NA19892	CEU	Male	80	207.2	116.0	56.1	10,000,000	500,000	4.25
NA19893	CEU	Female	81	205.5	112.0	57.0	10,000,000	500,000	4.30
NA19894	CEU	Male	82	208.8	118.0	56.9	10,000,000	500,000	4.35
NA19895	CEU	Female	83	207.0	114.0	57.8	10,000,000	500,000	4.40
NA19896	CEU	Male	84	210.2	120.0	57.7	10,000,000	500,000	4.45
NA19897	CEU	Female	85	208.5	116.0	58.6	10,000,000	500,000	4.50
NA19898	CEU	Male	86	211.8	122.0	58.5	10,000,000	500,000	4.55
NA19899	CEU	Female	87	210.0	118.0	59.4	10,000,000	500,000	4.60
NA19900	CEU	Male	88	213.2	124.0	59.3	10,000,000	500,000	4.65
NA19901	CEU	Female	89	211.5	120.0	60.2	10,000,000	500,000	4.70
NA19902	CEU	Male	90	214.8	126.0	60.1	10,000,000	500,000	4.75
NA19903	CEU	Female	91	213.0	122.0	61.0	10,000,000	500,000	4.80
NA19904	CEU	Male	92	216.2	128.0	60.9	10,000,000	500,000	4.85
NA19905	CEU	Female	93	214.5	124.0	61.8	10,000,000	500,000	4.90
NA19906	CEU	Male	94	217.8	130.0	61.7	10,000,000	500,000	4.95
NA19907	CEU	Female	95	216.0	126.0	62.6	10,000,000	500,000	5.00
NA19908	CEU	Male	96	219.2	132.0	62.5	10,000,000	500,000	5.05
NA19909	CEU	Female	97	217.5	128.0	63.4	10,000,000	500,000	5.10
NA19910	CEU	Male	98	220.8	134.0	63.3	10,000,000	500,000	5.15
NA19911	CEU	Female	99	219.0	130.0	64.2	10,000,000	500,000	5.20
NA19912	CEU	Male	100	222.2	136.0	64.1	10,000,000	500,000	5.25
NA19913	CEU	Female	101	220.5	132.0	65.0	10,000,000	500,000	5.30
NA19914	CEU	Male	102	223.8	138.0	64.9	10,000,000	500,000	5.35
NA19915	CEU	Female	103	222.0	134.0	65.8	10,000,000	500,000	5.40
NA19916	CEU	Male	104	225.2	140.0	65.7	10,000,000	500,000	5.45
NA19917	CEU	Female	105	223.5	136.0	66.6	10,000,000	500,000	5.50
NA19918	CEU	Male	106	226.8	142.0	66.5	10,000,000	500,000	5.55
NA19919	CEU	Female	107	225.0	138.0	67.4	10,000,000	500,000	5.60
NA19920	CEU	Male	108	228.2	144.0	67.3	10,000,000	500,000	5.65
NA19921	CEU	Female	109	226.5	140.0	68.2	10,000,000	500,000	5.70
NA19922	CEU	Male	110	229.8	146.0	68.1	10,000,000	500,000	5.75
NA19923	CEU	Female	111	228.0	142.0	69.0	10,000,000	500,000	5.80
NA19924	CEU	Male	112	231.2	148.0	68.9	10,000,000	500,000	5.85
NA19925	CEU	Female	113	229.5	144.0	69.8	10,000,000	500,000	5.90
NA19926	CEU	Male	114	232.8	150.0	69.7	10,000,000	500,000	5.95
NA19927	CEU	Female	115	231.0	146.0	70.6	10,000,000	500,000	6.00
NA19928	CEU	Male	116	234.2	152.0	70.5	10,000,000	500,000	6.05
NA19929	CEU	Female	117	232.5	148.0	71.4	10,000,000	500,000	6.10
NA19930	CEU	Male	118	235.8	154.0	71.3	10,000,000	500,000	6.15
NA19931	CEU	Female	119	234.0	150.0	72.2	10,000,000	500,000	6.20
NA19932	CEU	Male	120	237.2	156.0	72.1	10,000,000	500,000	6.25
NA19933	CEU	Female	121	235.5	152.0	73.0	10,000,000	500,000	6.30
NA19934	CEU	Male	122	238.8	158.0	72.9	10,000,000	500,000	6.35
NA19935	CEU	Female	123	237.0	154.0	73.8	10,000,000	500,000	6.40
NA19936	CEU	Male	124	240.2	160.0	73.7	10,000,000	500,000	6.45
NA19937	CEU	Female	125	238.5	156.0	74.6	10,000,000	500,000	6.50
NA19938	CEU	Male	126	241.8	162.0	74.5	10,000,000	500,000	6.55
NA19939	CEU	Female	127	240.0	158.0	75.4	10,000,000	500,000	6.60
NA19940	CEU	Male	128	243.2	164.0	75.3	10,000,000	500,000	6.65
NA19941	CEU	Female	129	241.5	160.0	76.2	10,000,000	500,000	6.70
NA19942	CEU	Male	130	244.8	166.0	76.1	10,000,000	500,000	6.75
NA19943	CEU	Female	131	243.0	162.0	77.0	10,000,000	500,000	6.80
NA19944	CEU	Male	132	246.2	168.0	76.9	10,000,000	500,000	6.85
NA19945	CEU	Female	133	244.5	164.0	77.8	10,000,000	500,000	6.90
NA19946	CEU	Male	134	247.8	170.0	77.7	10,000,000	500,000	6.95
NA19947	CEU	Female	135	246.0	166.0	78.6	10,000,000	500,000	7.00
NA19948	CEU	Male	136	249.2	172.0	78.5	10,000,000	500,000	7.05
NA19949	CEU	Female	137	247.5	168.0	79.4	10,000,000	500,000	7.10
NA19950	CEU	Male	138	250.8	174.0	79.3	10,000,000	500,000	7.15
NA19951	CEU	Female	139	249.0	170.0	80.2	10,000,000	500,000	7.20
NA19952	CEU	Male	140	252.2	176.0	80.1	10,000,000	500,000	7.25
NA19953	CEU	Female	141	250.5	172.0	81.0	10,000,000	500,000	7.30
NA19954	CEU	Male	142	253.8	178.0	80.9	10,000,000	500,000	7.35
NA19955	CEU	Female	143	252.0	174.0	81.8	10,000,000	500,000	7.40
NA19956	CEU	Male	144	255.2	180.0	81.7	10,000,000	500,000	7.45
NA19957	CEU	Female	145	253.5	176.0	82.6	10,000,000	500,000	7.50
NA19958	CEU	Male	146	256.8	182.0	82.5	10,000,000	500,000	7.55
NA19959	CEU	Female	147	255.0	178.0	83.4	10,000,000	500,000	7.60
NA19960	CEU	Male	148	258.2	184.0	83.3	10,000,000	500,000	7.65
NA19961	CEU	Female	149	256.5	180.0	84.2	10,000,000	500,000	7.70
NA19962	CEU	Male	150	259.8	186.0	84.1	10,000,000	500,000	7.75
NA19963									

FOR BENB COUNTY MUB No.30
GRAND VISTA SECTION 20



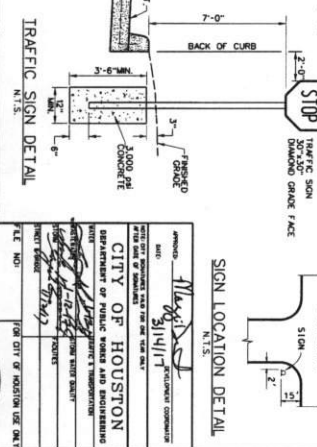
7815073-700

RECORD NUMBER
 57384
 1. This drawing is to be used for the construction of the project shown hereon. It is to be used in conjunction with the contract documents and the specifications for the project.
 2. The engineer is not responsible for the construction of the project shown hereon. It is the responsibility of the contractor to construct the project in accordance with the contract documents and the specifications for the project.
 3. The engineer is not responsible for the construction of the project shown hereon. It is the responsibility of the contractor to construct the project in accordance with the contract documents and the specifications for the project.



LEGEND

- ① BACK OF 4-INCH CONC CURB
- ② BACK OF 6-INCH CONC CURB
- ③ BACK OF 8-INCH CONC CURB
- ④ BACK OF 10-INCH CONC CURB
- ⑤ BACK OF 12-INCH CONC CURB
- ⑥ BACK OF 14-INCH CONC CURB
- ⑦ BACK OF 16-INCH CONC CURB
- ⑧ BACK OF 18-INCH CONC CURB
- ⑨ BACK OF 20-INCH CONC CURB
- ⑩ BACK OF 22-INCH CONC CURB
- ⑪ BACK OF 24-INCH CONC CURB
- ⑫ BACK OF 26-INCH CONC CURB
- ⑬ BACK OF 28-INCH CONC CURB
- ⑭ BACK OF 30-INCH CONC CURB
- ⑮ BACK OF 32-INCH CONC CURB
- ⑯ BACK OF 34-INCH CONC CURB
- ⑰ BACK OF 36-INCH CONC CURB
- ⑱ BACK OF 38-INCH CONC CURB
- ⑲ BACK OF 40-INCH CONC CURB
- ⑳ BACK OF 42-INCH CONC CURB
- ㉑ BACK OF 44-INCH CONC CURB
- ㉒ BACK OF 46-INCH CONC CURB
- ㉓ BACK OF 48-INCH CONC CURB
- ㉔ BACK OF 50-INCH CONC CURB
- ㉕ BACK OF 52-INCH CONC CURB
- ㉖ BACK OF 54-INCH CONC CURB
- ㉗ BACK OF 56-INCH CONC CURB
- ㉘ BACK OF 58-INCH CONC CURB
- ㉙ BACK OF 60-INCH CONC CURB
- ㉚ BACK OF 62-INCH CONC CURB
- ㉛ BACK OF 64-INCH CONC CURB
- ㉜ BACK OF 66-INCH CONC CURB
- ㉝ BACK OF 68-INCH CONC CURB
- ㉞ BACK OF 70-INCH CONC CURB
- ㉟ BACK OF 72-INCH CONC CURB
- ㊱ BACK OF 74-INCH CONC CURB
- ㊲ BACK OF 76-INCH CONC CURB
- ㊳ BACK OF 78-INCH CONC CURB
- ㊴ BACK OF 80-INCH CONC CURB
- ㊵ BACK OF 82-INCH CONC CURB
- ㊶ BACK OF 84-INCH CONC CURB
- ㊷ BACK OF 86-INCH CONC CURB
- ㊸ BACK OF 88-INCH CONC CURB
- ㊹ BACK OF 90-INCH CONC CURB
- ㊺ BACK OF 92-INCH CONC CURB
- ㊻ BACK OF 94-INCH CONC CURB
- ㊼ BACK OF 96-INCH CONC CURB
- ㊽ BACK OF 98-INCH CONC CURB
- ㊾ BACK OF 100-INCH CONC CURB



TRAFFIC SIGN DETAIL

N.T.S.

1/4" = 1'

FOR FORT BEND COUNTY MUD NO. 30
 GRAND VISTA SECTION 20

PAVEMENT MARKING AND SIGNAGE LAYOUT

DESIGNED BY: **Costello**
 DRAWN BY: **Costello**
 CHECKED BY: **Costello**
 DATE: **3-28-17**

ENGINEERING AND SURVEYING
 9990 Richmond Avenue, Suite 450 N
 Houston, Texas 77042
 (713) 783-7788 (713) 783-3580 Fax
 TBL'S FIRM REG. NO. 280
 TBL'S FIRM REG. NO. 100486

APPROVED BY: **Costello**
 DATE: **3/14/17**

CITY OF HOUSTON
 57384

SHEET NO. 6 OF 22

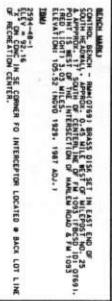
DRAWING SCALE: 1" = 60'

FOR CITY OF HOUSTON USE ONLY

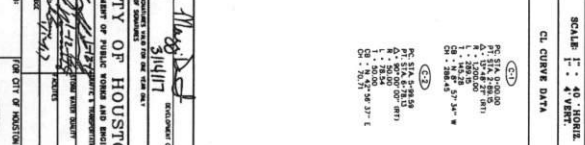
DATE: **3-28-17**

REVISION

NO.



PROTECTION REQUIREMENTS AT
ATELINE - SANITARY SEWER CROSSING
(SEE TABLE 7.4 ON SHEET 3)



Engineering and Surveying
3990 Richmond Avenue, Suite 450 N

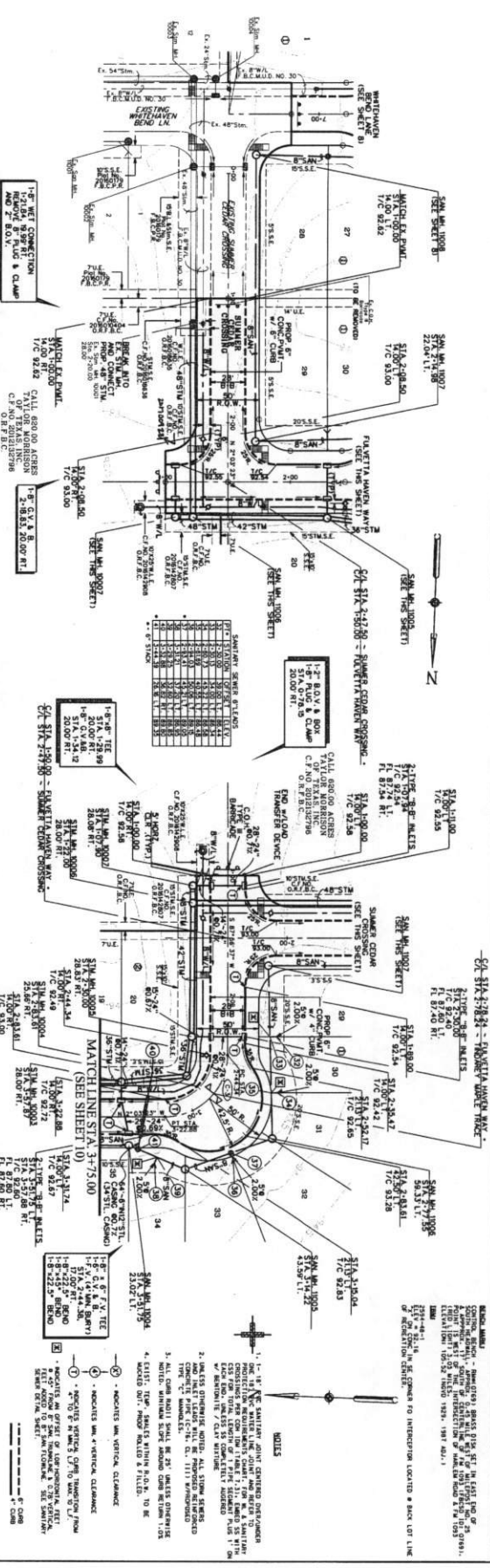
FORT BEND COUNTY MUD No.33
GRAND VISTA SECTION 20



VERT : 1" = 4'

SHEET
No: 8 of 22

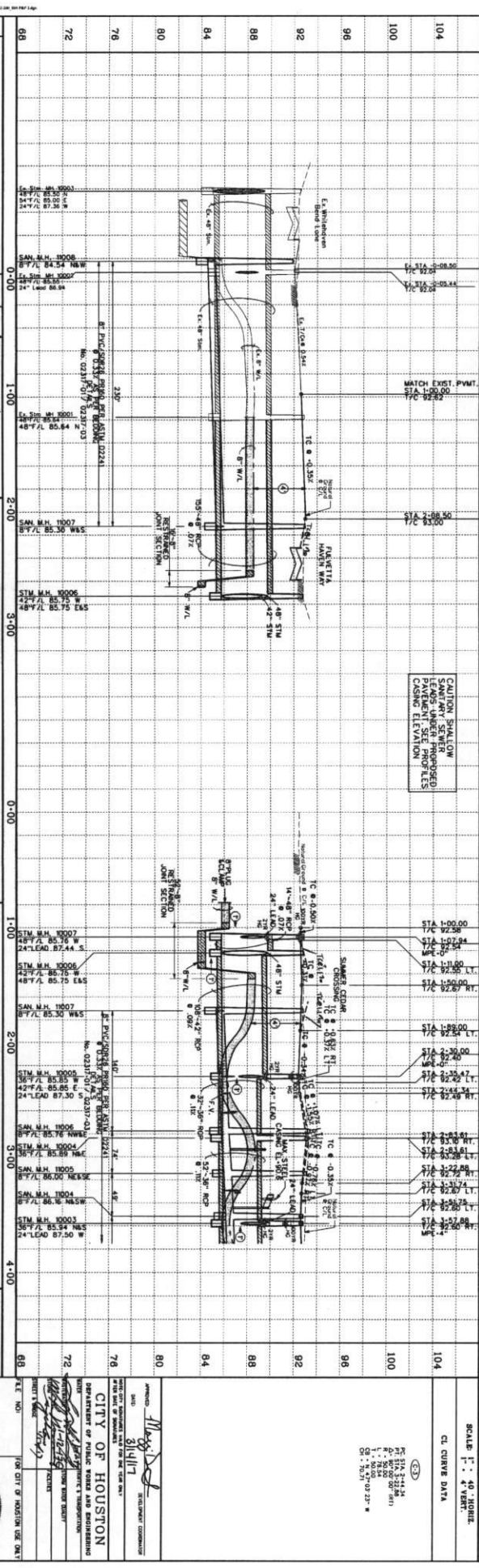




SUMMER CEDAR CROSSING (60' R.O.W.)

CONTRACTOR TO FIELD VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION

FULVETTA HAVEN WAY (60' R.O.W.) & TINDARY MAPLE TRACE (60' R.O.W.)



DESIGNED BY: JL	DESIGNED BY: JL
DRAWN BY: JO	DRAWN BY: JO
CHECKED BY: JO	CHECKED BY: JO
DATE: 2-28-17	DATE: 2-28-17
BY: JO	BY: JO
DATE: 2-28-17	DATE: 2-28-17

Costello Engineering and Surveying
9990 Houston, Texas 77042
(713) 783-7788 (713) 783-5960 Fax
TBD'S FIRM REG. NO. 100888

FORT BRAD COUNTY MUD NO. 30
GRAND VISTA SECTION 20
SUMMER CEDAR CROSSING,
FULVETTA HAVEN WAY
& TINDARY MAPLE TRACE
STA. 2+83.60 TO 3+75.00

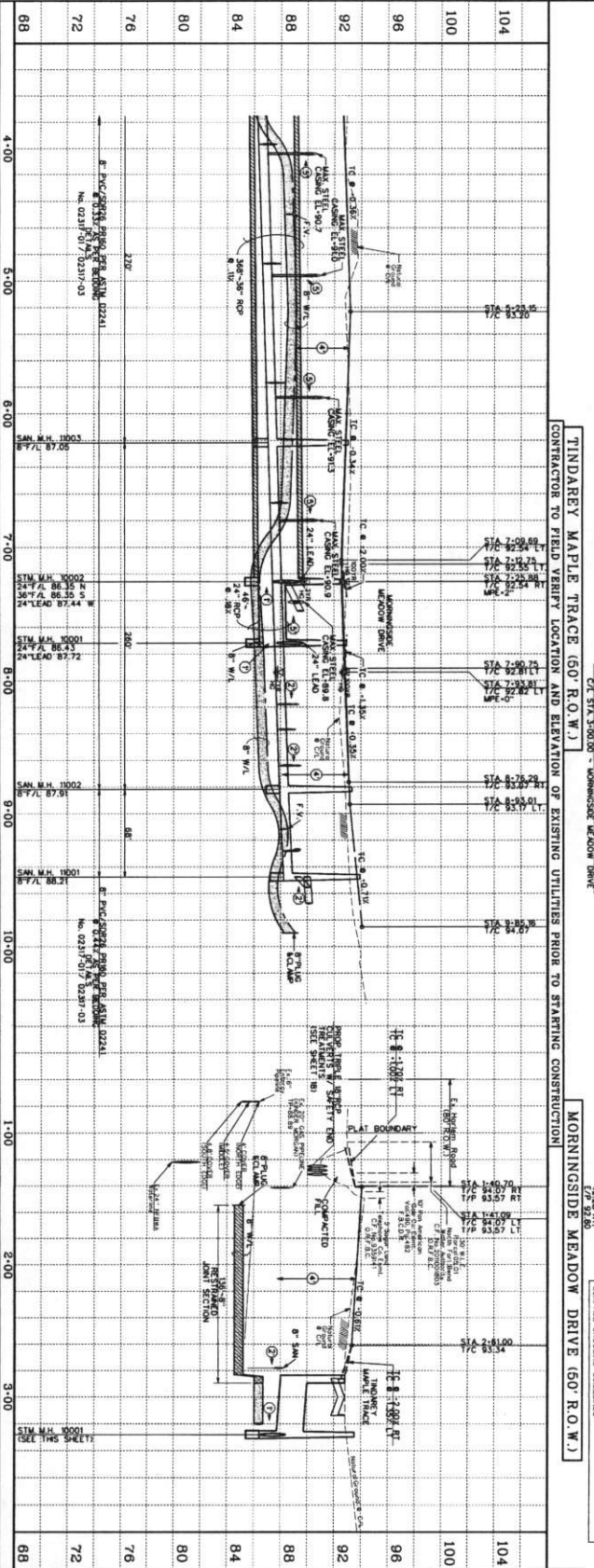
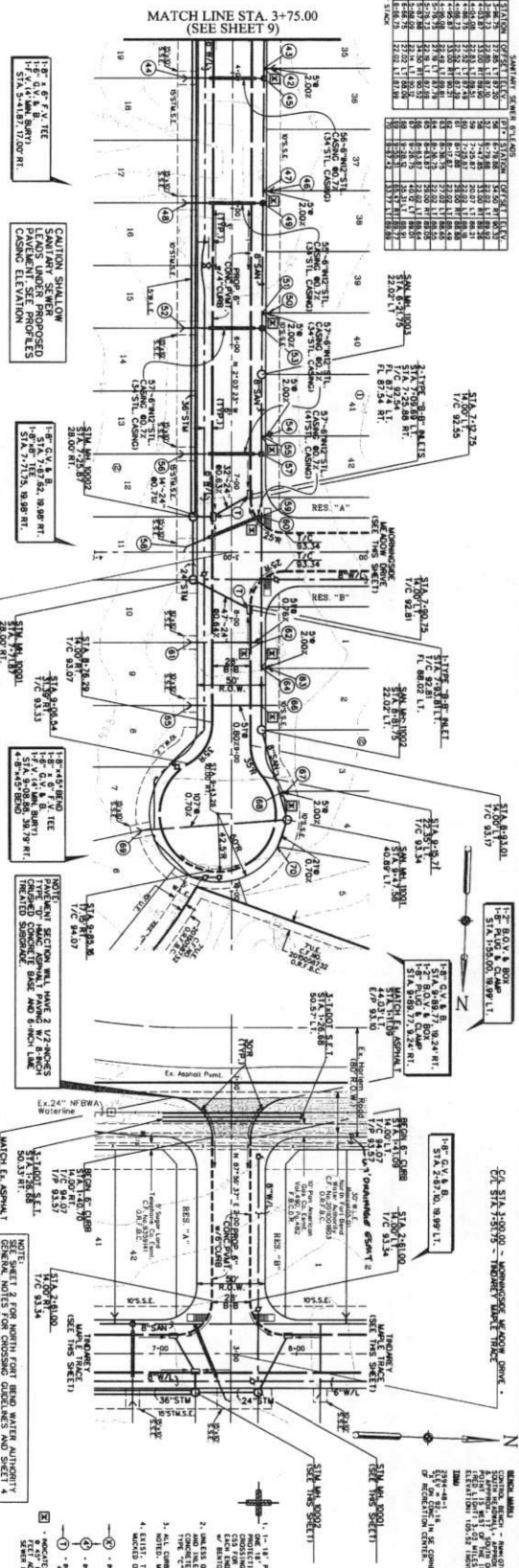
APPROVED: **JO**
DATE: **2-28-17**
SCALE: **1" = 40' HORIZ**
CL. CURVE DATA
RADIUS: **1000'**
CHORD: **1000'**
ANGLE: **90°**
TANGENT: **1000'**
CHORD BEARING: **90°**
CHORD DISTANCE: **1000'**

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
OFFICE OF THE CITY ENGINEER
OFFICE OF THE CITY ENGINEER
OFFICE OF THE CITY ENGINEER

PROJECT NO. **9** OF **22**

TABLE 1 - EXISTING ELEVATIONS

STATION	EXISTING ELEVATION	PROPOSED ELEVATION
1	12.00	12.00
2	12.00	12.00
3	12.00	12.00
4	12.00	12.00
5	12.00	12.00
6	12.00	12.00
7	12.00	12.00
8	12.00	12.00
9	12.00	12.00
10	12.00	12.00
11	12.00	12.00
12	12.00	12.00
13	12.00	12.00
14	12.00	12.00
15	12.00	12.00
16	12.00	12.00
17	12.00	12.00
18	12.00	12.00
19	12.00	12.00
20	12.00	12.00
21	12.00	12.00
22	12.00	12.00
23	12.00	12.00
24	12.00	12.00
25	12.00	12.00
26	12.00	12.00
27	12.00	12.00
28	12.00	12.00
29	12.00	12.00
30	12.00	12.00
31	12.00	12.00
32	12.00	12.00
33	12.00	12.00
34	12.00	12.00
35	12.00	12.00
36	12.00	12.00
37	12.00	12.00
38	12.00	12.00
39	12.00	12.00
40	12.00	12.00
41	12.00	12.00
42	12.00	12.00
43	12.00	12.00
44	12.00	12.00
45	12.00	12.00
46	12.00	12.00
47	12.00	12.00
48	12.00	12.00
49	12.00	12.00
50	12.00	12.00
51	12.00	12.00
52	12.00	12.00
53	12.00	12.00
54	12.00	12.00
55	12.00	12.00
56	12.00	12.00
57	12.00	12.00
58	12.00	12.00
59	12.00	12.00
60	12.00	12.00
61	12.00	12.00
62	12.00	12.00
63	12.00	12.00
64	12.00	12.00
65	12.00	12.00
66	12.00	12.00
67	12.00	12.00
68	12.00	12.00
69	12.00	12.00
70	12.00	12.00
71	12.00	12.00
72	12.00	12.00
73	12.00	12.00
74	12.00	12.00
75	12.00	12.00
76	12.00	12.00
77	12.00	12.00
78	12.00	12.00
79	12.00	12.00
80	12.00	12.00
81	12.00	12.00
82	12.00	12.00
83	12.00	12.00
84	12.00	12.00
85	12.00	12.00
86	12.00	12.00
87	12.00	12.00
88	12.00	12.00
89	12.00	12.00
90	12.00	12.00
91	12.00	12.00
92	12.00	12.00
93	12.00	12.00
94	12.00	12.00
95	12.00	12.00
96	12.00	12.00
97	12.00	12.00
98	12.00	12.00
99	12.00	12.00
100	12.00	12.00



DESIGNED BY: **JL**

DRAWN BY: **JS**

CHECKED BY: **JS**

DATE: **3-28-17**

REVISIONS:

NO.	REVISION	DATE
1	QUICK REVISION BY: JS	

Costello

Engineering and Surveying

9900 Richmond Avenue, Suite 450 N

Houston, Texas 77042

(713) 783-7788 (713) 783-3880 Fax

TBLS FIRM REG. NO. 280

PORT BEND COUNTY AID NO. 30

GRAND VISTA SECTION 20

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



DRAWING SCALE: 1" = 40' HORIZ. 1" = 4' VERT.

SHEET 10 OF 22

CITY OF HOUSTON

APPROVED: **3/10/17**

DATE: **3/10/17**

PROJECT: **PORT BEND COUNTY AID NO. 30**

DESIGNED BY: **JL**

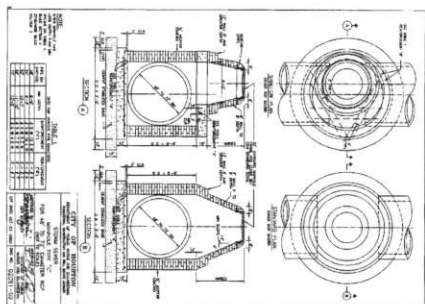
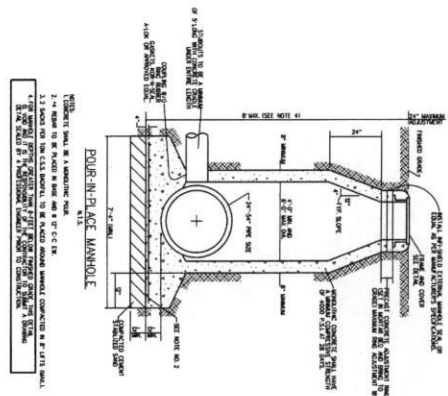
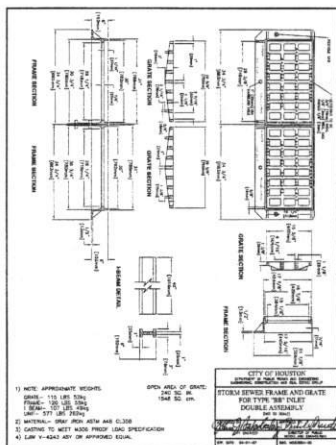
DRAWN BY: **JS**

CHECKED BY: **JS**

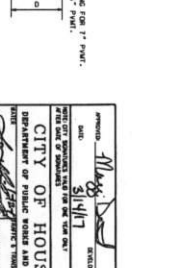
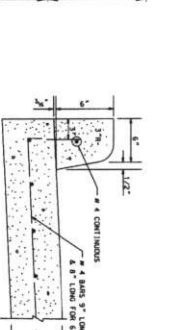
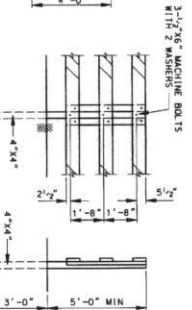
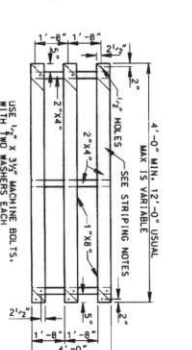
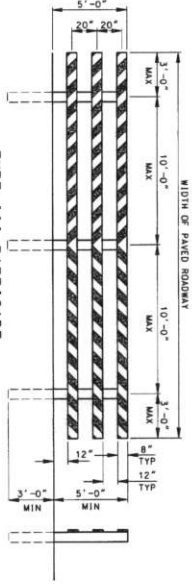
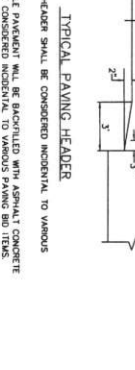
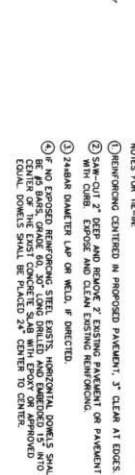
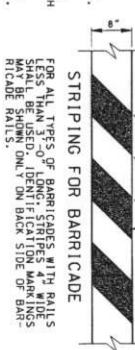
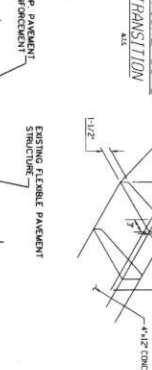
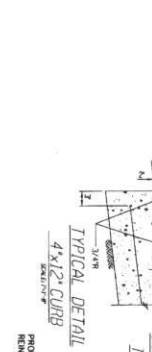
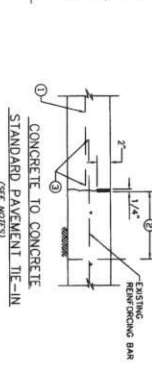
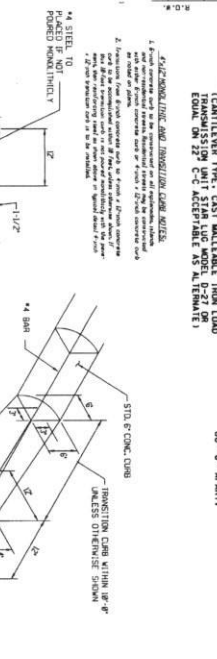
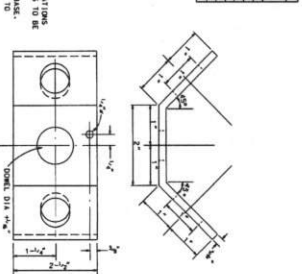
DATE: **3-28-17**

REVISIONS:

NO.	REVISION	DATE
1	QUICK REVISION BY: JS	



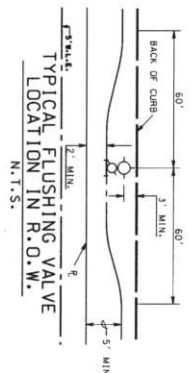
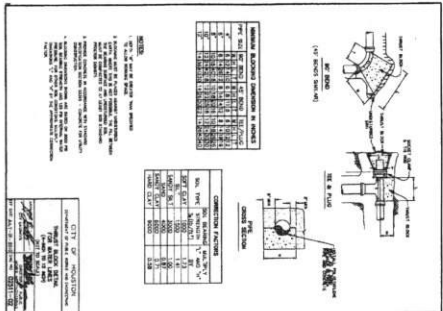
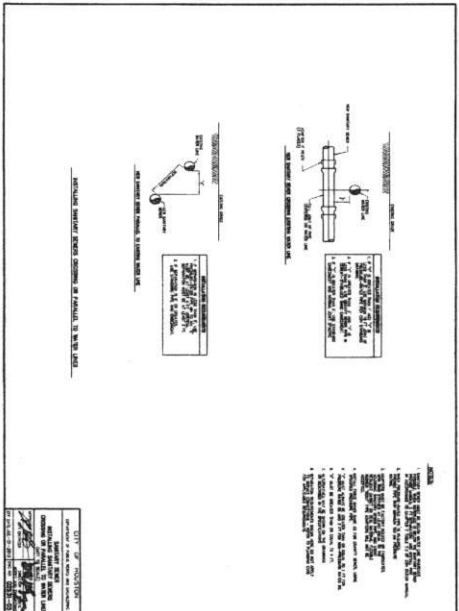
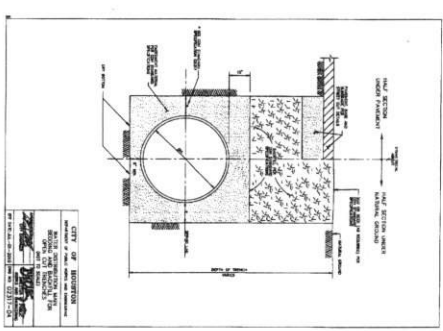
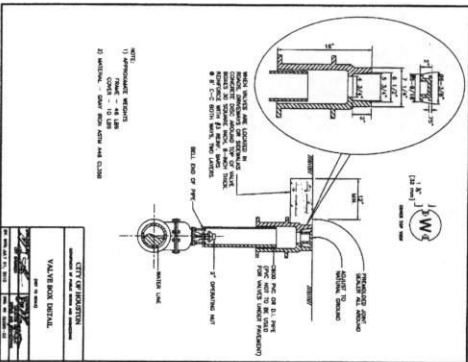
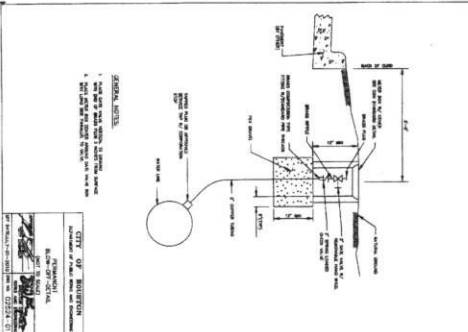
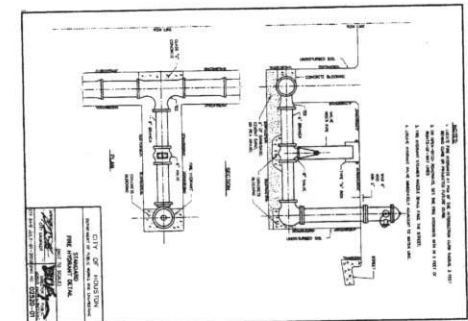
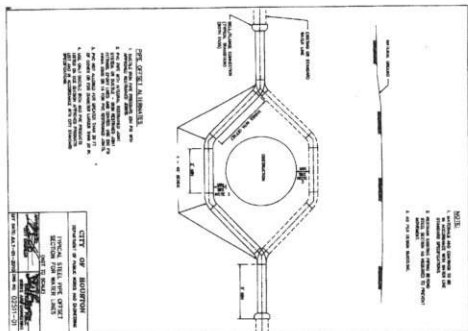
DRAINING SCALE	
HORIZ : N.T.S.	
VERT :	
SHEET No. 11 of 22	



CONC

STATE OF TEXAS
JASON M. ROBINETT
07274
JULY 1, 2007
COUNTY CLERK

DRAWING SCALE
NONE
N.T.S.
SHEET 12 OF 22



NO.	REVISION	DATE	BY
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			
81			
82			
83			
84			
85			
86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			
98			
99			
100			

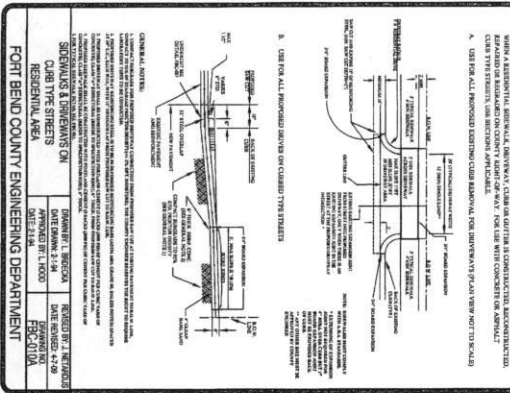
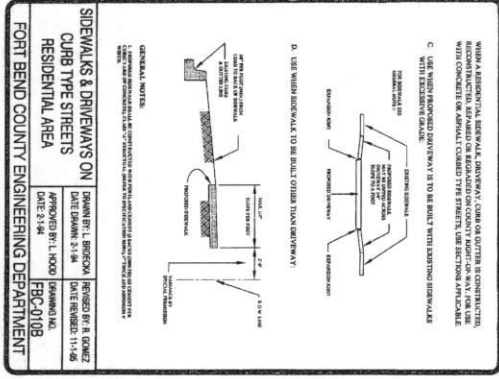
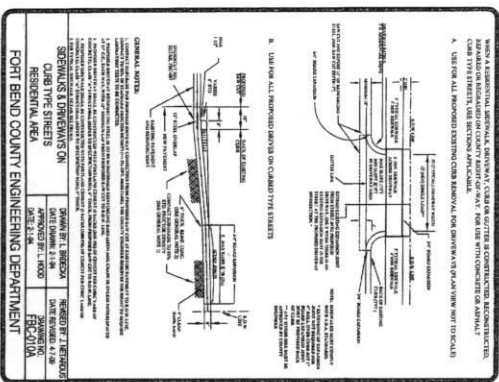
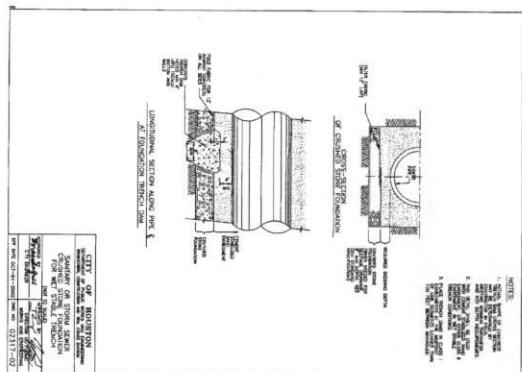
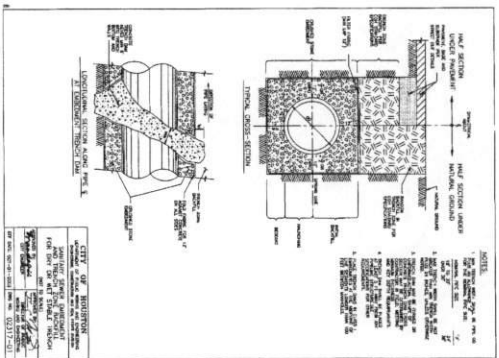
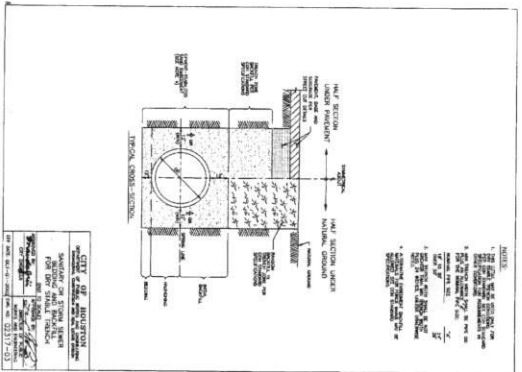
Costello
Engineering and Surveying
9900 Houston, Texas 77042
(713) 783-7788 (713) 783-3590, Fax
TBP&S FIRM REG. NO. 100486

FORT BEND COUNTY MUD No. 30
GRAND VISTA SECTION 20
WATER MAIN DETAILS



DESIGNED BY: <i>JA</i>	CITY OF HOUSTON
DRAWN BY: <i>JB</i>	DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
CHECKED BY: <i>AD</i>	WATER MAIN DETAILS
DATE: 3-28-17	
PROJECT NO. 13 OF 22	
SHEET NO. 13 OF 22	





NO.	REVISION	DATE	BY
1	REVISED BY: <i>JD</i>		
2	DESIGN CHECKED BY: <i>JD</i>		
3	CONSTRUCTION CHECKED BY: <i>JD</i>		
4	DATE: 3-28-17		
5	QUANTITY: <i>PS</i>		
6	QUANTITY: <i>PS</i>		

Costello

Engineering and Surveying
9990 Richmond Avenue, Suite 450 N
(713) 785-7788 (713) 785-3860 FAX
TBA'S FIRM REG. NO. 100486

FORT BEND COUNTY MUD NO. 30
GRAND VISTA SECTION 20

**BEDDING AND
FORT BEND COUNTY
RESIDENTIAL DRIVEWAYS DETAILS**

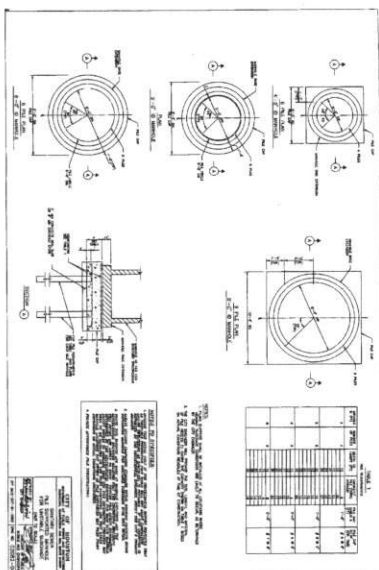
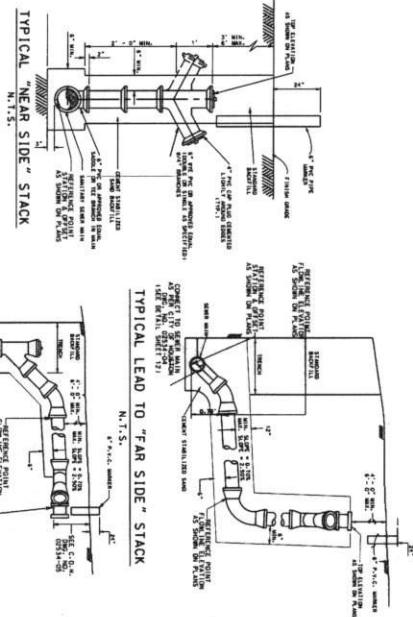
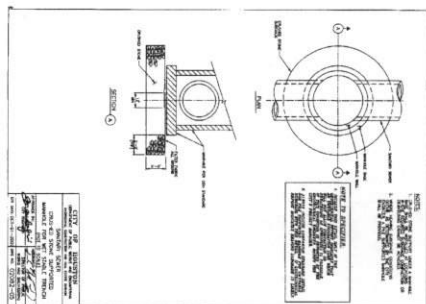
APPROVED: *[Signature]* **SEAL**

DATE: *3/28/17*

PROJECT: *14 of 22*

SCALE: *1" = 1' N.T.S.*

38864

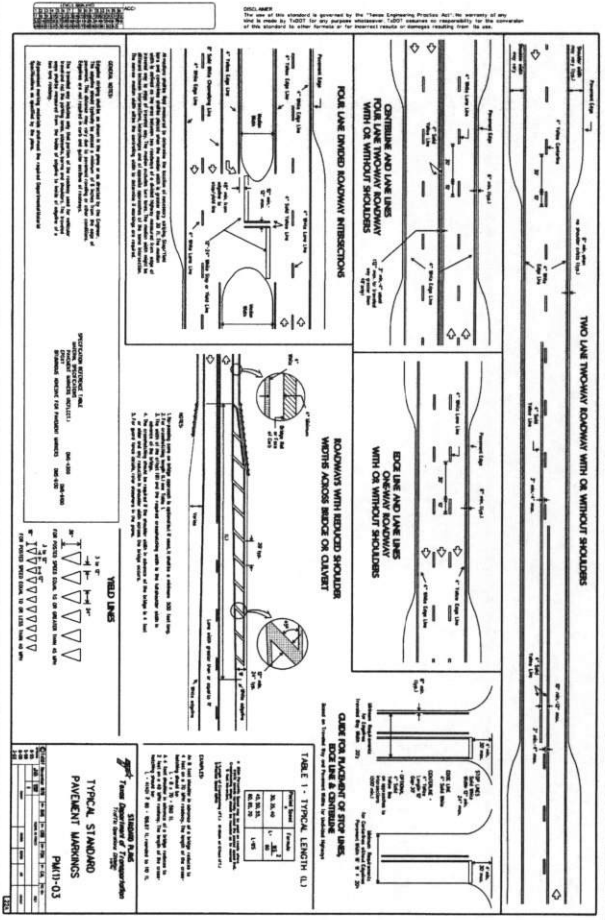
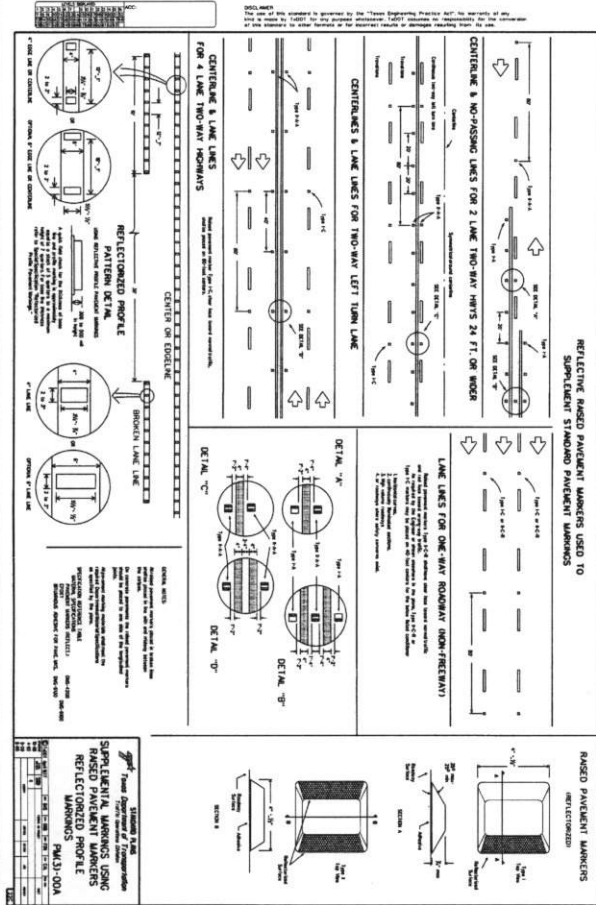


M.T.S

10B NO.2015022-300

LEVELS DISPLAYED	ACC
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	
76	
77	
78	
79	
80	
81	
82	
83	
84	
85	
86	
87	
88	
89	
90	
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	

DISCLAIMER
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.



DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

 Texas Department of Transportation Bridge Division		PRECAST SAFETY END TREATMENT TYPE II - PARALLEL DRAINAGE	
PSET-SP			
FILED project name 11001 December 2003 IN-3500MS	DR. R/L PROJECT	CR. R/L TREATMENT OR PRODUCT	CR. J/R MATERIAL
COALITY	CONTROL SECT	JOB	REMARK
1	1	1	1

- 1 Dimension "D" is based on ASTM C-776 Class III, W-30¹ thickness. If any other wall thickness is used, dimension "D" must be adjusted accordingly.
- 2 Slope as shown elsewhere in the plans. Slope of 6:1 or flatter is required for vehicle safety.
- 3 Trowel to be used only when dimension is shown elsewhere in the plans.
- 4 The top 4' of void between Precast End Treatments shall be filled with concrete riprap and should 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.
- 6 Cement stabilized bedding and backfill shall be in accordance with the Item considered subsidiary to the item. Safety End Treatment backfill shall be considered subsidiary to the item. Safety End Treatment backfill shall be as specified by Engineer.

GENERAL NOTES:

Precast slabs and treatment for reinforced concrete pipe may be used for all applications unless otherwise specified in item "Safety End Treatment."

If the design and treatment are specified as "Safety End Treatment," the material RCP, flaps, will not be required unless noted otherwise or the pipe is damaged.

Manufacture of this product shall conform to requirements of items A through C:

A. Minimum reinforcing shall be #4 at 6" (Grade 40 or #4 or 5 x 9 - (Grade 60) each way or 6 x 6 - W2 x W2 x 5 x 9 - W10 x W10 welded wire fabric).

B. Concrete for precast (steelformed) sections shall be Class "C".

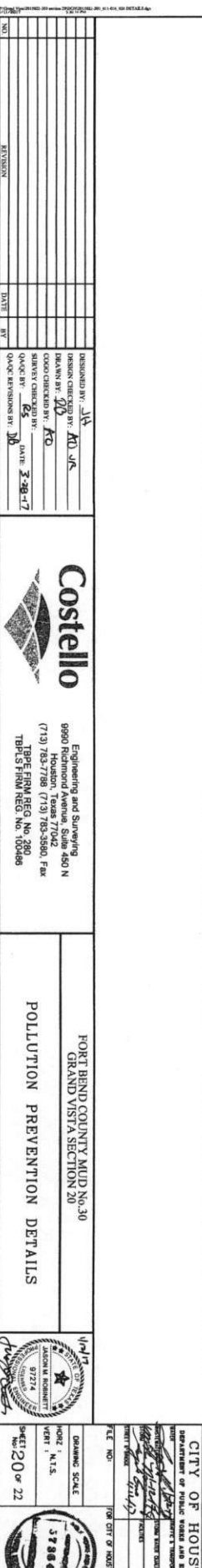
C. The reinforcement for precast sections shall be 300# bars. At the option and expense of the Contractor the next larger size reinforcement may be substituted.

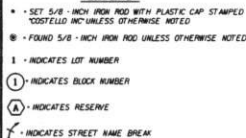
D. Reinforcing steel for the required size of pipe exceeding four (4) feet in diameter shall be 300# bars. Reinforcing steel for the required size of pipe recommended by Research Report 280-27, "Safety Treatment of Roadside Parallelogram Structures," Texas Transportation Institute, March 1981.

E. All cast-in-place concrete shall meet the requirements of ASTM A53 (Type E).

F. All steel components except reinforcing shall be galvanized after fabrication. Galvanizing damaged during transport or construction shall be repaired in accordance with the specifications.

PIPE I.D.	PIPE WALL THICKNESS	① "D"	MAXIMUM SLOPE	MINIMUM LENGTH OF UNIT	PIPE RUNNERS REQUIRED		REQUIRED PIPE RUNNER SIZES		
					SINGLE PIPE	MULTIPLE PIPES	NOMINAL DIA.	O.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"



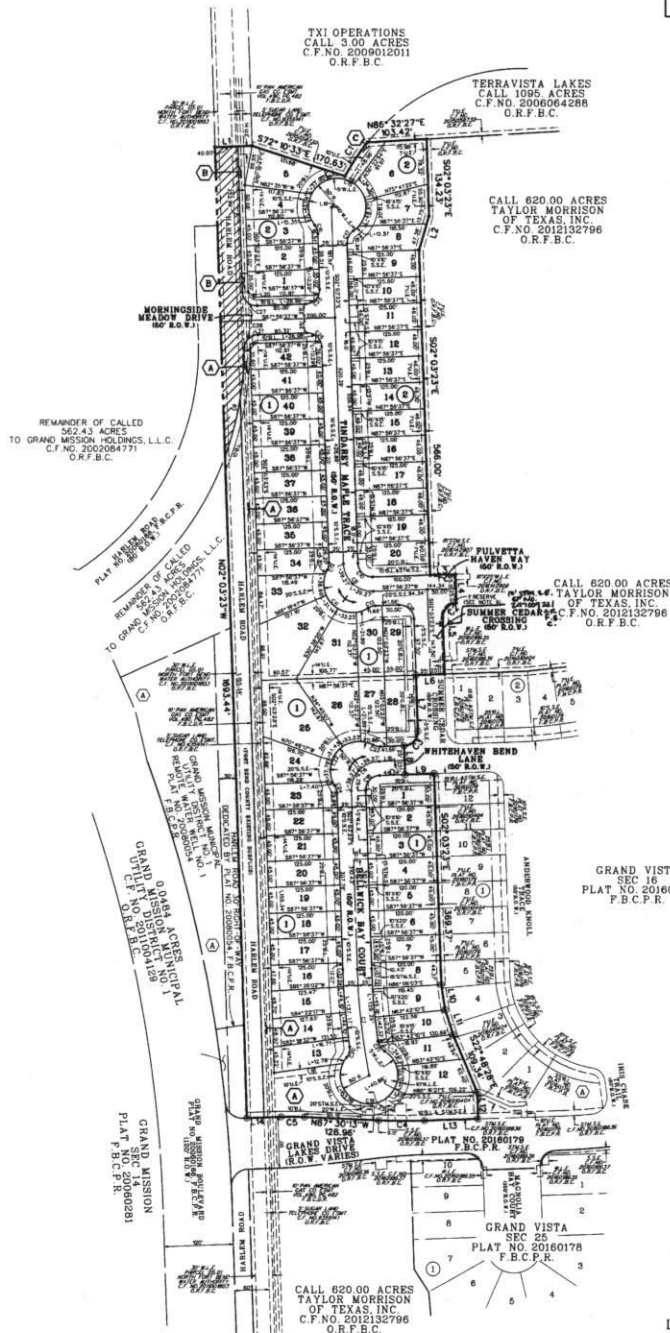


CURVE DATA TABLE					
CURVE NUMBER	ANGLE (DEGREE)	RANGE	MULTI ANGLE	SHOULDER DIRECTION	CHORD LENGTH (FEET)
C1	36.27	22.50	0.00	0.00	35.36
C2	36.27	22.50	0.00	0.00	35.36
C3	36.27	22.50	0.00	0.00	35.36
C4	36.27	22.50	0.00	0.00	35.36
C5	36.27	22.50	0.00	0.00	35.36
C6	36.27	22.50	0.00	0.00	35.36
C7	36.27	22.50	0.00	0.00	35.36
C8	36.27	22.50	0.00	0.00	35.36
C9	36.27	22.50	0.00	0.00	35.36
C10	36.27	22.50	0.00	0.00	35.36
C11	36.27	22.50	0.00	0.00	35.36
C12	36.27	22.50	0.00	0.00	35.36
C13	36.27	22.50	0.00	0.00	35.36
C14	36.27	22.50	0.00	0.00	35.36
C15	36.27	22.50	0.00	0.00	35.36
C16	36.27	22.50	0.00	0.00	35.36
C17	36.27	22.50	0.00	0.00	35.36
C18	36.27	22.50	0.00	0.00	35.36
C19	36.27	22.50	0.00	0.00	35.36
C20	36.27	22.50	0.00	0.00	35.36
C21	36.27	22.50	0.00	0.00	35.36
C22	36.27	22.50	0.00	0.00	35.36
C23	36.27	22.50	0.00	0.00	35.36
C24	36.27	22.50	0.00	0.00	35.36
C25	36.27	22.50	0.00	0.00	35.36
C26	36.27	22.50	0.00	0.00	35.36
C27	36.27	22.50	0.00	0.00	35.36
C28	36.27	22.50	0.00	0.00	35.36
C29	36.27	22.50	0.00	0.00	35.36
C30	36.27	22.50	0.00	0.00	35.36
C31	36.27	22.50	0.00	0.00	35.36
C32	36.27	22.50	0.00	0.00	35.36
C33	36.27	22.50	0.00	0.00	35.36
C34	36.27	22.50	0.00	0.00	35.36
C35	36.27	22.50	0.00	0.00	35.36
C36	36.27	22.50	0.00	0.00	35.36
C37	36.27	22.50	0.00	0.00	35.36
C38	36.27	22.50	0.00	0.00	35.36
C39	36.27	22.50	0.00	0.00	35.36
C40	36.27	22.50	0.00	0.00	35.36
C41	36.27	22.50	0.00	0.00	35.36
C42	36.27	22.50	0.00	0.00	35.36
C43	36.27	22.50	0.00	0.00	35.36
C44	36.27	22.50	0.00	0.00	35.36
C45	36.27	22.50	0.00	0.00	35.36
C46	36.27	22.50	0.00	0.00	35.36
C47	36.27	22.50	0.00	0.00	35.36
C48	36.27	22.50	0.00	0.00	35.36
C49	36.27	22.50	0.00	0.00	35.36
C50	36.27	22.50	0.00	0.00	35.36
C51	36.27	22.50	0.00	0.00	35.36
C52	36.27	22.50	0.00	0.00	35.36
C53	36.27	22.50	0.00	0.00	35.36
C54	36.27	22.50	0.00	0.00	35.36
C55	36.27	22.50	0.00	0.00	35.36
C56	36.27	22.50	0.00	0.00	35.36
C57	36.27	22.50	0.00	0.00	35.36
C58	36.27	22.50	0.00	0.00	35.36
C59	36.27	22.50	0.00	0.00	35.36
C60	36.27	22.50	0.00	0.00	35.36
C61	36.27	22.50	0.00	0.00	35.36
C62	36.27	22.50	0.00	0.00	35.36
C63	36.27	22.50	0.00	0.00	35.36
C64	36.27	22.50	0.00	0.00	35.36
C65	36.27	22.50	0.00	0.00	35.36
C66	36.27	22.50	0.00	0.00	35.36
C67	36.27	22.50	0.00	0.00	35.36
C68	36.27	22.50	0.00	0.00	35.36
C69	36.27	22.50	0.00	0.00	35.36
C70	36.27	22.50	0.00	0.00	35.36
C71	36.27	22.50	0.00	0.00	35.36
C72	36.27	22.50	0.00	0.00	35.36
C73	36.27	22.50	0.00	0.00	35.36
C74	36.27	22.50	0.00	0.00	35.36
C75	36.27	22.50	0.00	0.00	35.36
C76	36.27	22.50	0.00	0.00	35.36
C77	36.27	22.50	0.00	0.00	35.36
C78	36.27	22.50	0.00	0.00	35.36
C79	36.27	22.50	0.00	0.00	35.36
C80	36.27	22.50	0.00	0.00	35.36
C81	36.27	22.50	0.00	0.00	35.36
C82	36.27	22.50	0.00	0.00	35.36
C83	36.27	22.50	0.00	0.00	35.36
C84	36.27	22.50	0.00	0.00	35.36
C85	36.27	22.50	0.00	0.00	35.36
C86	36.27	22.50	0.00	0.00	35.36
C87	36.27	22.50	0.00	0.00	35.36
C88	36.27	22.50	0.00	0.00	35.36
C89	36.27	22.50	0.00	0.00	35.36
C90	36.27	22.50	0.00	0.00	35.36
C91	36.27	22.50	0.00	0.00	35.36
C92	36.27	22.50	0.00	0.00	35.36
C93	36.27	22.50	0.00	0.00	35.36
C94	36.27	22.50	0.00	0.00	35.36
C95	36.27	22.50	0.00	0.00	35.36
C96	36.27	22.50	0.00	0.00	35.36
C97	36.27	22.50	0.00	0.00	35.36
C98	36.27	22.50	0.00	0.00	35.36
C99	36.27	22.50	0.00	0.00	35.36
C100	36.27	22.50	0.00	0.00	35.36

NUMBER	DIRECTION	DISTANCE (FEET)
1.1	N 87° 56' 37" E	84.92
1.2	N 60° 12' 35" W	65.13
1.3	S 72° 03' 23" E	54.34
1.4	S 62° 03' 23" E	97.50
1.5	S 87° 56' 37" W	50.00
1.6	S 62° 03' 23" E	97.50
1.7	S 87° 56' 37" W	50.00
1.8	N 67° 56' 37" E	50.66
1.9	S 69° 09' 18" E	44.22
1.10	S 72° 03' 23" E	45.91
1.11	S 62° 03' 23" E	46.87
1.12	S 87° 56' 37" W	50.00
1.13	S 87° 56' 37" W	60.12
1.14	N 67° 56' 37" E	40.00
1.15	S 47° 53' 09" E	20.00
1.16	S 87° 56' 37" W	50.00
1.17	N 67° 56' 37" E	20.00
1.18	S 47° 53' 09" E	14.14
1.19	S 87° 56' 37" W	14.14
1.20	S 47° 53' 09" E	30.06
1.21	S 87° 56' 37" W	35.62



RESERVE TABLE		
RESERVE "A"	LANDSCAPE / OPEN SPACE	1.1124 AC.
RESERVE "B"	LANDSCAPE / OPEN SPACE	0.1156 AC.
RESERVE "C"	LANDSCAPE / OPEN SPACE	0.0539 AC.
TOTAL:		1.2800 AC.



- [illegible]



**GRAND VISTA
SEC 20**
A SUBDIVISION OF 13.65 ACRES
LOCATED IN THE
ONARD BURKNAPP SURVEY, A-10
FORT BEND COUNTY, TEXAS
2 LOTS 2 BLOCKS 3 RESERVES

OWNER:
TAYLOR MORRISON
OF TEXAS INC.
ROBERT L. SKINNER, AUTHORIZED AGENT-LAND
5353 W. SAM HOUSTON PARKWAY N., STE. 190
HOUSTON, TEXAS 77041
PHONE: 281-596-3030

BGE KERRY R. GILBERT
& ASSOCIATES

• Land Planning Consultants •
23501 Cinco Ranch Blvd., Suite A-250
Katy, Texas 77494
Tel: 281-579-0340

ENGINEERING AND SURVEYING
8890 RICHMOND AVE. N.
NORTH BUILDING
HOUSTON, TEXAS
(713) 783-7786 (713) 783-7786
TEXAS PE BOARD FIRM # 0000000000
TNP/S FIRM REG. NO.

JOB NO. 2015-022-212
TERRAVISTA LAKES, 20150221, 21250E 20, PLAT02212.DGN



ENGINEERING AND SURVEYING
6990 RICHMOND AVENUE, SUITE 4
NORTH BUILDING
HOUSTON, TEXAS 77042
(713) 783-7786 (713) 783-3583, Fax
TEXAS PE BOARD FIRM REG. NO. 2
TBPUS FIRM REG. NO. 100486