



**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: 2021-49981

**Applicant:** Bella Piazza III LLC/Structura

**Job Location Site:** 24200 Via Mazzini Way, Richmond, TX 77406

**Bond No.** [REDACTED] **Date of Bond:** 3/3/2022 **Amount:** \$15,000.00

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, via email, for certain construction activities in County right-of-way. Contact [permits@fbctx.gov](mailto:permits@fbctx.gov) for a copy of the notification procedure applicable to your project.
3. This permit expires one (1) year from date of permit if construction has not commenced.
4. This permit applies to work performed within right-of-ways owned and maintained by Fort Bend County only, and it is the responsibility of the applicant to acquire all other necessary permits and permissions.

On this 24th day of May, 2022, Upon Motion of Commissioner Meyers, 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: [Signature]

Date Recorded 5/26/2022 Comm. Court No. 13P

County Engineer

Clerk of Commissioners Court

By: N/A

By: [Signature]

Drainage District Engineer/Manager

Deputy



**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: 2021-49981

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: \$15,000.00
- 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.

  
\_\_\_\_\_  
Permit Administrator

5/12/2022

\_\_\_\_\_  
Date

Effective Date: February 7, 2022

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

BOND NO. [REDACTED]

THE STATE OF TEXAS           §  
COUNTY OF FORT BEND       §                   KNOW ALL MEN BY THESE PRESENTS:

THAT WE, Bella Piazza III LLC  
whose (address, phone) is 103 Biltmore Suite 210, San Antonio, TX 78213 \_\_\_\_\_ Texas,

hereinafter called the Principal, and WESTERN SURETY COMPANY, a Corporation existing under and  
by virtue of the laws of the state of South Dakota and authorized to do an indemnifying business in the state of  
Texas, and whose principal office is located at (name/address/phone) 101 S. Reid St., Ste. 300, Sioux Falls, SD  
57106-7046 / 605-336-0850, whose officer residing in the State of Texas, authorized to accept service in all

suits and actions brought within said state is Toubin Insurance Agency, Inc.

and whose address is 7410 Blanc Rd., Ste. 385, San Antonio, TX 78216 / 210-340-2293,

hereinafter called the Surety, and held and firmly bound unto, KP George, County Judge of Fort Bend County, Texas, or his

successors in office, in the full sum of Fifteen Thousand and 00/100

Dollars (\$ 15,000.00) current, lawful money of the United States of America, to be paid to said KP George,  
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 3rd day of March, 2022.

Bella Piazza III LLC  
PRINCIPAL

BY [Signature]

WESTERN SURETY COMPANY  
SURETY

BY [Signature]



CCM 05/24/2022 #13P  
Fort Bend County Clerk  
Return Div Supervisor RAC  
Permit# 2021-49981

5 pgs  
2022072075

STATE OF Texas } **ACKNOWLEDGMENT OF SURETY**  
COUNTY OF Bexar } **(Attorney-in-Fact)** Bond No. [REDACTED]

On this 3rd day of March, 2022, before me, a notary public in and for said County, personally appeared JIMMY L TOUBIN to me personally known and being by me duly sworn, did say, that he/she is the Attorney-in-Fact of WESTERN SURETY COMPANY, a corporation of Sioux Falls, South Dakota, created, organized and existing under and by virtue of the laws of the State of South Dakota, that the said instrument was executed on behalf of the said corporation by authority of its Board of Directors and that the said JIMMY L TOUBIN acknowledges said instrument to be the free act and deed of said corporation and that he/she has authority to sign said instrument without affixing the corporate seal of said corporation.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal at San Antonio, Texas, the day and year last above written.

My commission expires October 3, 2022 Kristi Stults  
Notary Public

Form 106-9-2013



# Western Surety Company

## POWER OF ATTORNEY

### KNOW ALL MEN BY THESE PRESENTS:

That WESTERN SURETY COMPANY, a corporation organized and existing under the laws of the State of South Dakota, and authorized and licensed to do business in the States of Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming, and the United States of America, does hereby make, constitute and appoint

JIMMY L TOUBIN of San Antonio

State of Texas, with limited authority, its true and lawful Attorney-in-Fact, with full power and authority hereby conferred to sign, execute, acknowledge and deliver for and on its behalf as Surety and as its act and deed, the following bond:

One CONCRETE COUNTY OF FORT BEND

bond with bond number [REDACTED]

for BELLA PIAZZA III LLC

as Principal in the penalty amount not to exceed: \$15,000.00

Western Surety Company further certifies that the following is a true and exact copy of Section 7 of the by-laws of Western Surety Company duly adopted and now in force, to-wit:

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys-in-Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

In Witness Whereof, the said WESTERN SURETY COMPANY has caused these presents to be executed by Vice President with the corporate seal affixed this 3rd day of March, 2022.

ATTEST

*P. Leitheiser*

P. Leitheiser, Assistant Secretary

WESTERN SURETY COMPANY

By

*Paul T. Bruflat*

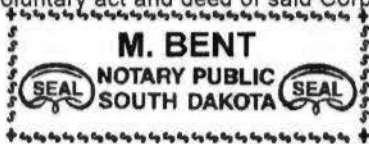
Paul T. Bruflat, Vice President

STATE OF SOUTH DAKOTA }  
COUNTY OF MINNEHAHA } ss



On this 3rd day of March, 2022, before me, a Notary Public, personally appeared Paul T. Bruflat and P. Leitheiser

who, being by me duly sworn, acknowledged that they signed the above Power of Attorney as Vice President and Assistant Secretary, respectively, of the said WESTERN SURETY COMPANY, and acknowledged said instrument to be the voluntary act and deed of said Corporation.



*M. Bent*

Notary Public

My Commission Expires March 2, 2026

To validate bond authenticity, go to [www.cnasurety.com](http://www.cnasurety.com) > Owner/Obligee Services > Validate Bond

Figure: 28 TAC §1.601(a)(3)

### IMPORTANT NOTICE

- 1 To obtain information or make a complaint:
- 2 You may contact Western Surety Company, Surety Bonding Company of America or Universal Surety of America at 605-336-0850.
- 3 You may call Western Surety Company's, Surety Bonding Company of America's or Universal Surety of America's toll-free telephone number for information or to make a complaint at:

**1-800-331-6053**

- 4 You may also write to Western Surety Company, Surety Bonding Company of America or Universal Surety of America at:

P.O. Box 5077  
Sioux Falls, SD 57117-5077

- 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:

P.O. Box 149104  
Austin, TX 78714-9104  
Fax: (512) 490-1007  
Web: [www.tdi.texas.gov](http://www.tdi.texas.gov)  
E-Mail: [ConsumerProtection@tdi.texas.gov](mailto:ConsumerProtection@tdi.texas.gov)

#### 7 PREMIUM OR CLAIM DISPUTES:

Should you have a dispute concerning your premium or about a claim you should contact Western Surety Company, Surety Bonding Company of America or Universal Surety of America 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 Western Surety Company, Surety Bonding Company of America o Universal Surety of America al 605-336-0850.

Usted puede llamar al numero de telefono gratis de Western Surety Company's, Surety Bonding Company of America's o Universal Surety of America's para informacion o para someter una queja al:

**1-800-331-6053**

Usted tambien puede escribir a Western Surety Company, Surety Bonding Company of America o Universal Surety of America:

P.O. Box 5077  
Sioux Falls, SD 57117-5077

Puede comunicarse con el Departamento de Seguros de Texas para obtener informacion acerca de companias, coberturas, derechos o quejas al:

**1-800-252-3439**

Puede escribir al Departamento de Seguros de Texas:

P.O. Box 149104  
Austin, TX 78714-9104  
Fax: (512) 490-1007  
Web: [www.tdi.texas.gov](http://www.tdi.texas.gov)  
E-Mail: [ConsumerProtection@tdi.texas.gov](mailto: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 Western Surety Company, Surety Bonding Company of America o Universal Surety of America primero. Si no se resuelve la disputa, puede entonces comunicarse con el departamento (TDI).

**UNA ESTE AVISO A SU POLIZA:** Este aviso es solo para proposito de informacion y no se convierte en parte o condicion del documento adjunto.

FILED AND RECORDED  
OFFICIAL PUBLIC RECORDS

*Laura Richard*

Laura Richard, County Clerk

Fort Bend County Texas

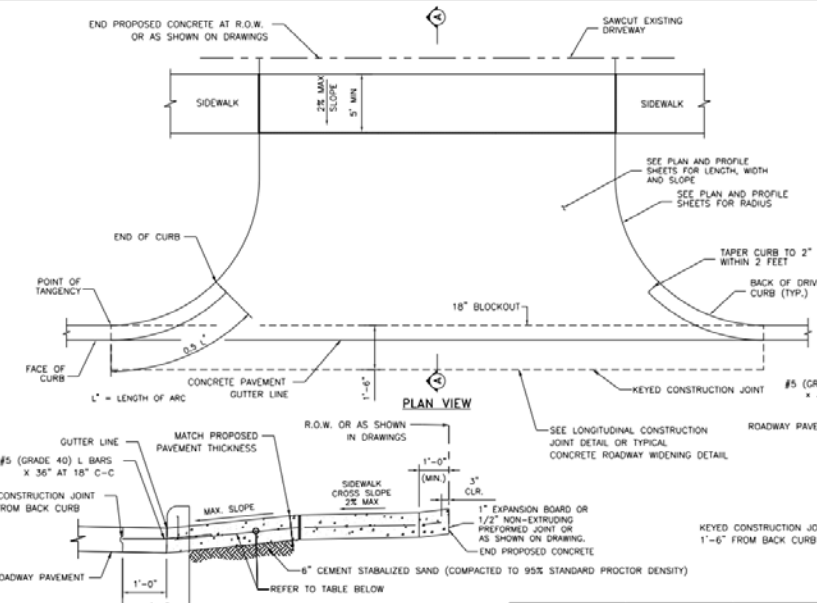
May 26, 2022 02:53:20 PM



FEE: \$0.00 DP2

**2022072075**

A:\1704\1801\Fort Bend County Standards\Fort Bend County Standard\Fort Bend County Standard\CONSTRUCTION\DRIVEWAY\_DETAILS\_FOR\_MAJOR\_ROADWAY\_CONSTRUCTION\DRIVEWAY\_DETAILS\_FOR\_MAJOR\_ROADWAY\_CONSTRUCTION.dwg



- NOTES:**
1. SAWCUT EXISTING DRIVEWAY AT R.O.W. LINE OR AS SHOWN ON DRAWING AND REMOVE EXISTING DRIVEWAY TO SAWCUT LINE.
  2. IF THERE IS EXISTING CURB ON DRIVEWAY, CONNECT PROPOSED CURB TO EXISTING CURB OTHERWISE, TAPER CURB HEIGHT AS SHOWN.
  3. SEE PAVEMENT DETAIL SHEET FOR CONCRETE CURB REINFORCEMENT.
  4. THIS DRIVEWAY INSTALLATION IS GOVERNED BY HARRIS COUNTY ITEM 360.

**MINIMUM RADII REQUIREMENTS - DRIVEWAYS**

|             | LOCAL | COLLECTOR/MAJOR |
|-------------|-------|-----------------|
| RESIDENTIAL | 5'    | -               |
| COMMERCIAL  | 10'   | 25'             |

|                          | PAVEMENT THICKNESS | COLLECTOR/MAJOR           | RESIDENTIAL (MAJOR THROUGHFARE) | RESIDENTIAL (COLLECTORS AND LOCAL STREETS) |
|--------------------------|--------------------|---------------------------|---------------------------------|--|
| REINFORCEMENT            | 6"                 | #4 @ 24" O.C.E.W.         | N/A                             | #4 @ 24" O.C.E.W.                          |
|                          | 7"                 | #4 @ 24" O.C.E.W.         | #4 @ 24" O.C.E.W.               | #4 @ 24" O.C.E.W.                          |
|                          | 8"                 | #4 @ 18" O.C.E.W.         | #4 @ 18" O.C.E.W.               | #4 @ 18" O.C.E.W.                          |
| EXPANSION DOWEL JOINT    | 6"                 | 3/4" DIA. SMOOTH BAR      | 3/4" DIA. SMOOTH BAR            | 3/4" DIA. SMOOTH BAR                       |
|                          | 7"                 | 1" DIA. SMOOTH BAR        | 1" DIA. SMOOTH BAR              | 1" DIA. SMOOTH BAR                         |
|                          | 8"                 | 1" DIA. SMOOTH BAR        | 1" DIA. SMOOTH BAR              | 1" DIA. SMOOTH BAR                         |
| CONSTRUCTION JOINT DOWEL | ALL                | #5 REBAR                  | #5 REBAR                        | #5 REBAR                                   |
|                          | ALL                | 6" CEMENT-STABILIZED SAND | 2" BANK SAND                    | 2" BANK SAND                               |
| RUNNING SLOPE            | ALL                | 2% TO 4%                  | 2% TO 6%                        | 2% TO 10%                                  |

\*10% ALLOWABLE ON PRIVATELY CONSTRUCTED PROJECTS  
6% MAX ON PUBLIC PROJECTS

| NO. | REVISIONS                | DATE   | NAME |
|-----|--------------------------|--------|------|
| 1   | ORIGINAL STANDARD ISSUED | 2-1-21 | RBB  |

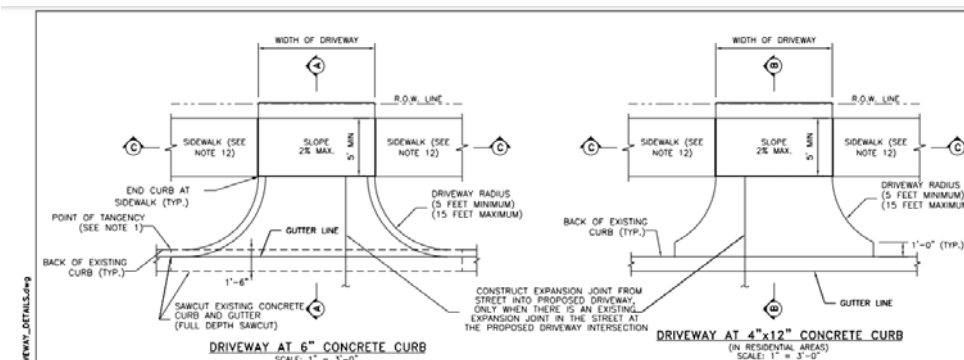
**FORT BEND COUNTY ENGINEERING DEPARTMENT**



CONSULTANT LOGO (LAYER "C-NON-PRINT")

FOR INTERIM REVIEW ONLY  
DOCUMENT COMPLETE  
NOT IN READY FOR CONSTRUCTION  
REINFORCEMENT BARBERS  
(LAYER "C-NON-PRINT")  
P.E. SERIAL NO.  
DATE:

| PROJECT TITLE:                                  | DATE:  | FRCD STANDARD |
|---|--------|---------------|
| DRIVEWAY DETAILS FOR MAJOR ROADWAY CONSTRUCTION | 2-1-21 | # / #         |



- NOTES:**
1. PROPOSED DRIVEWAY AT 6" CONCRETE CURB SHALL MATCH EXISTING CURB AT POINT OF TANGENCY.
  2. PROPOSED DRIVEWAY SHALL BE BUILT WITH PORTLAND CEMENT CONCRETE, 5 1/2 SACK MINIMUM PER CURE YARD, 3,500 PSI STRENGTH AT 28 DAYS, THIS UNDERLAY INSTALLATION IS GOVERNED BY HARRIS COUNTY ITEM 360.
  3. COMPACTION OF SUBGRADE TO 95% OF STANDARD PROCTOR DENSITY (ASTM D698) (+/- 2% OPTIMUM MOISTURE) FOR PROPOSED DRIVEWAY CONNECTION. THE COUNTY ENGINEER RESERVES THE RIGHT TO INSPECT AND REQUIRE LABORATORY TEST TO BE CONDUCTED.
  4. FOR COMMERCIAL DRIVEWAYS, USE 6" OF COMPACTED CEMENT STABILIZED SAND. FOR RESIDENTIAL DRIVEWAYS, USE 2" OF COMPACTED BANK SAND.
  5. A PROPOSED DRIVEWAY TO BE BUILT ON A CORNER LOT CANNOT BE LOCATED WITHIN ANY PORTION OF THE PUBLIC STREET CURB RADIUS (THE POINTS OF TANGENCY MAY BE THE SAME POINT ALONG THE STREET CURB LINE).
  6. PROPOSED DRIVEWAY REINFORCING STEEL SHALL BE TIED TO EXISTING CONCRETE PAVEMENT WITH A MINIMUM LAP OF 18 INCHES.
  7. IF EXISTING STREET REBAR IS CUT OFF, THEN #4 DOWEL BARS (18" LONG) NEED TO BE INSTALLED AT 24" SPACING, EMBEDDED 9 INCHES AND EXPOSED OR MATCH EXISTING SPACING IF TIGHTER.
  8. 3" NON-METALLIC CHAIRS ARE REQUIRED.
  9. FOR CAPITAL IMPROVEMENT PROJECTS, THE SUBGRADE SHALL BE STABILIZED ACCORDING TO THE GEOTECHNICAL REPORT RECOMMENDATIONS.
  10. SAW AND SEAL ALL CONSTRUCTION JOINTS.
  11. SIDEWALK SLOPES SHALL COMPLY WITH THE TEXAS ACCESSIBILITY STANDARDS 403.3 "SLOPE".
  12. IF SIDEWALK IS EXISTING, SEE SECTION C-C.
  13. SIDEWALKS MAY BE REDUCED TO 4' IN FRONT OF SINGLE-FAMILY RESIDENTIAL LOTS WHEN A 5' PASSING AREA IS PROVIDED IN THE DRIVEWAY.
  14. FOR SIDEWALK DETAILS SEE SIDEWALK DETAILS SHEET

|                          | PAVEMENT THICKNESS | COLLECTOR/MAJOR           | RESIDENTIAL (MAJOR THROUGHFARE) | RESIDENTIAL (COLLECTORS AND LOCAL STREETS) |
|--------------------------|--------------------|---------------------------|---------------------------------|--|
| REINFORCEMENT            | 6"                 | #4 @ 24" O.C.E.W.         | N/A                             | #4 @ 24" O.C.E.W.                          |
|                          | 7"                 | #4 @ 24" O.C.E.W.         | #4 @ 24" O.C.E.W.               | #4 @ 24" O.C.E.W.                          |
|                          | 8"                 | #4 @ 18" O.C.E.W.         | #4 @ 18" O.C.E.W.               | #4 @ 18" O.C.E.W.                          |
| EXPANSION DOWEL JOINT    | 6"                 | 3/4" DIA. SMOOTH BAR      | 3/4" DIA. SMOOTH BAR            | 3/4" DIA. SMOOTH BAR                       |
|                          | 7"                 | 1" DIA. SMOOTH BAR        | 1" DIA. SMOOTH BAR              | 1" DIA. SMOOTH BAR                         |
|                          | 8"                 | 1" DIA. SMOOTH BAR        | 1" DIA. SMOOTH BAR              | 1" DIA. SMOOTH BAR                         |
| CONSTRUCTION JOINT DOWEL | ALL                | #5 REBAR                  | #5 REBAR                        | #5 REBAR                                   |
|                          | ALL                | 6" CEMENT-STABILIZED SAND | 2" BANK SAND                    | 2" BANK SAND                               |
| RUNNING SLOPE            | ALL                | 2% TO 4%                  | 2% TO 6%                        | 2% TO 10%                                  |

\*10% ALLOWABLE ON PRIVATELY CONSTRUCTED PROJECTS  
6% MAX ON PUBLIC PROJECTS

| NO. | REVISIONS                | DATE   | NAME |
|-----|--------------------------|--------|------|
| 1   | ORIGINAL STANDARD ISSUED | 2-1-21 | RBB  |

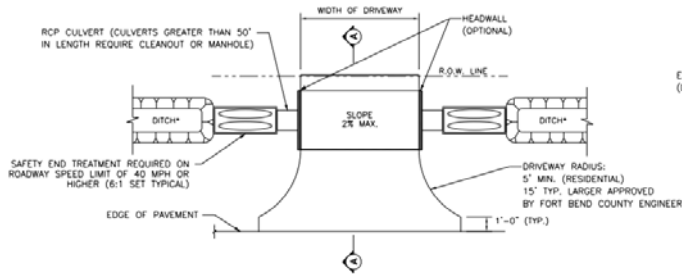
**FORT BEND COUNTY ENGINEERING DEPARTMENT**



CONSULTANT LOGO (LAYER "C-NON-PRINT")

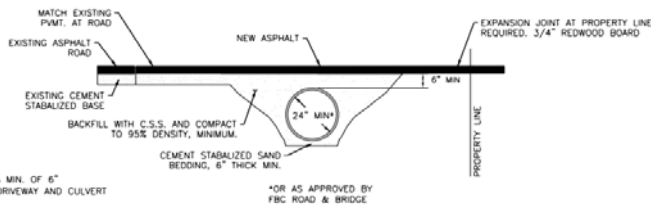
FOR INTERIM REVIEW ONLY  
DOCUMENT COMPLETE  
NOT IN READY FOR CONSTRUCTION  
REINFORCEMENT BARBERS  
(LAYER "C-NON-PRINT")  
P.E. SERIAL NO.  
DATE:

| PROJECT TITLE:                             | DATE:  | FRCD STANDARD |
|--|--------|---------------|
| DRIVEWAY DETAILS FOR RESIDENTIAL DRIVEWAYS | 2-1-21 | # / #         |

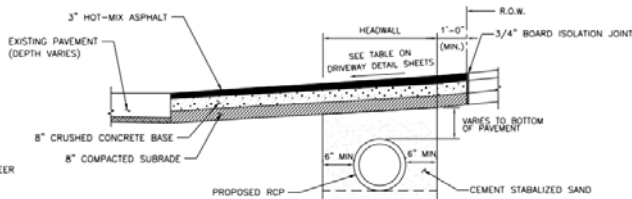


**OPEN DITCH DRIVEWAY**  
\*DITCH IS TO HAVE 4:1 SLOPE

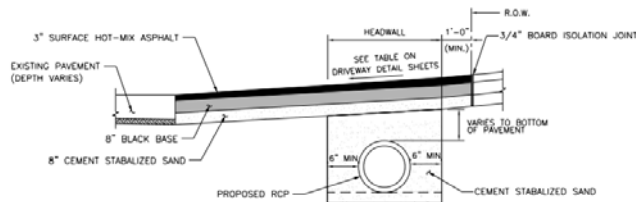
| MINIMUM RADI REQUIREMENTS - DRIVEWAYS |       |                 |
|---------------------------------------|-------|-----------------|
|                                       | LOCAL | COLLECTOR/MAJOR |
| RESIDENTIAL                           | 5'    | -               |
| COMMERCIAL                            | 10'   | 25'             |



**ASPHALT APRON DETAIL - DRIVEWAY PROFILE FOR CULVERT DRAINAGE**



**SECTION A-A FOR RESIDENTIAL DRIVEWAYS**



**SECTION A-A FOR COMMERCIAL DRIVEWAYS**

| NO. | REVISIONS                | DATE   | NAME |
|-----|--------------------------|--------|------|
| 1   | ORIGINAL STANDARD ISSUED | 2-1-21 | FWR  |
| 2   |                          |        |      |
| 3   |                          |        |      |
| 4   |                          |        |      |

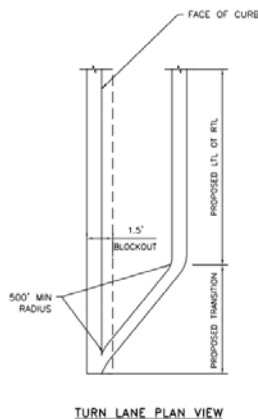
FORT BEND COUNTY  
ENGINEERING DEPARTMENT



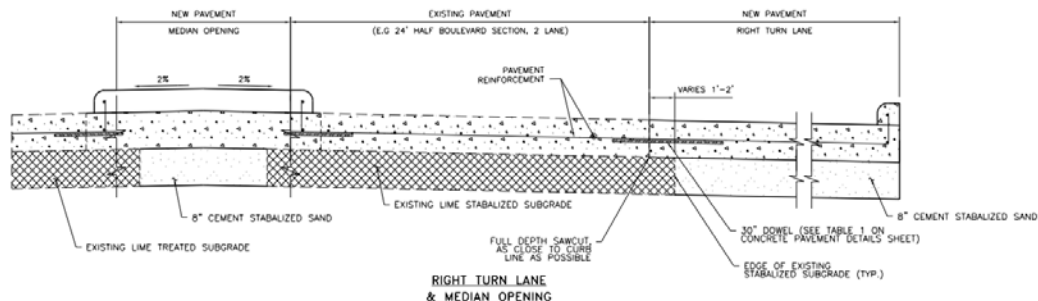
CONSULTANT LOGO  
(LAYER "C-NON-PRINT")

FOR INTERIM REVIEW ONLY  
DOCUMENT INCOMPLETE:  
NOT ADVISED FOR CONSTRUCTION.  
BEARING THE RISK OF DAMAGES  
(LAYER "C-NON-PRINT")  
P.E. SERIAL No.  
DATE:

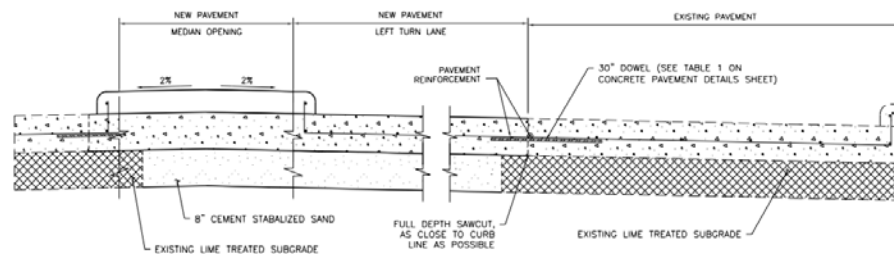
| PROJECT TITLE            | DRAWN BY       | FRCD STANDARD   |
|--------------------------|----------------|-----------------|
| ASPHALT DRIVEWAY DETAILS | FRCD           |                 |
|                          | CHECKED BY     |                 |
|                          | SCALE AS NOTED |                 |
|                          | DATE: 2-1-21   |                 |
|                          | APPROVED BY:   |                 |
|                          |                | SHEET NO. # / # |



**TURN LANE PLAN VIEW**



**RIGHT TURN LANE & MEDIAN OPENING**



**LEFT TURN LANE & MEDIAN OPENING**

NOTES  
1. FOR CONCRETE PAVEMENT REINFORCEMENT AND JOINT DETAILS, SEE CONCRETE PAVEMENT DETAILS SHEET

| NO. | REVISIONS                | DATE   | NAME |
|-----|--------------------------|--------|------|
| 1   | ORIGINAL STANDARD ISSUED | 2-1-21 | FWR  |
| 2   |                          |        |      |
| 3   |                          |        |      |
| 4   |                          |        |      |

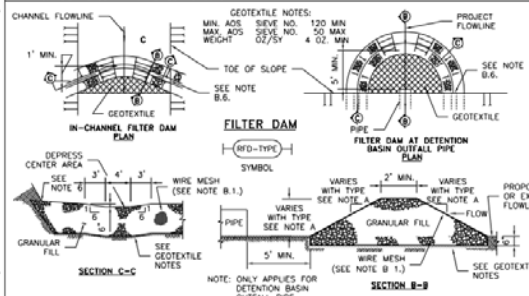
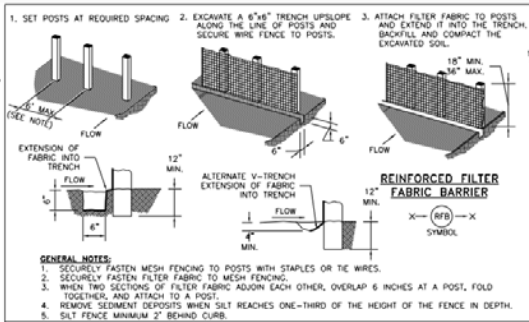
FORT BEND COUNTY  
ENGINEERING DEPARTMENT



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BEARING THE RISK OF DAMAGES  
(LAYER "C-NON-PRINT")  
P.E. SERIAL No.  
DATE:

| PROJECT TITLE                     | DRAWN BY       | FRCD STANDARD   |
|-----------------------------------|----------------|-----------------|
| TURN LANE & MEDIAN OPENING DETAIL | FRCD           |                 |
|                                   | CHECKED BY     |                 |
|                                   | SCALE AS NOTED |                 |
|                                   | DATE: 2-1-21   |                 |
|                                   | APPROVED BY:   |                 |
|                                   |                | SHEET NO. # / # |



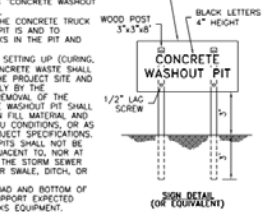
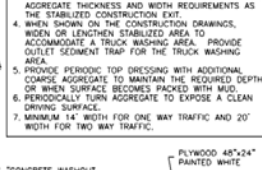
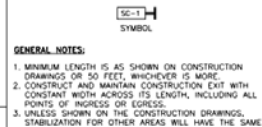
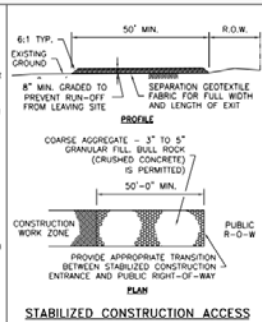
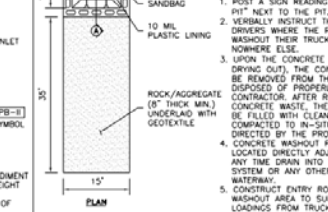
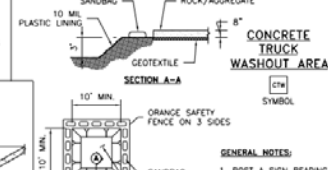
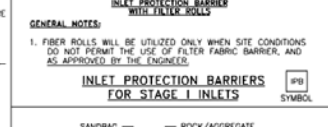
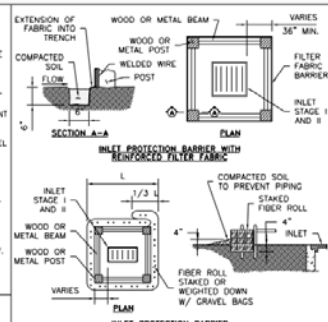
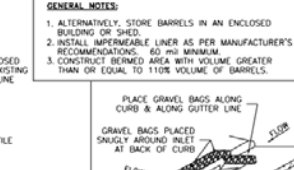
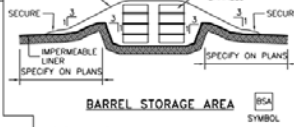
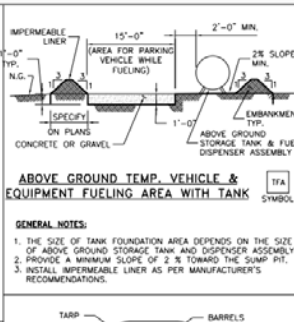
- A. TYPES OF FILTER DAMS**
1. TYPE 1 (NON-REINFORCED)
    - a. HEIGHT - 18-24 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
    - b. TOP WIDTH - 2 FEET (MINIMUM).
    - c. SLOPES - 2:1 (MAXIMUM).
  2. TYPE 2 (REINFORCED)
    - a. HEIGHT - 18-36 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
    - b. TOP WIDTH - 2 FEET (MINIMUM).
    - c. SLOPES - 2:1 (MAXIMUM).
  3. TYPE 3 (REINFORCED)
    - a. HEIGHT - 36-48 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
    - b. TOP WIDTH - 2 FEET (MINIMUM).
    - c. SLOPES - 3:1 (MAXIMUM).
  4. TYPE 4 (GABION)
    - a. HEIGHT - 30 INCHES (MINIMUM). MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
    - b. TOP WIDTH - 2 FEET (MINIMUM).
  5. TYPE 5. AS SHOWN ON THE PLANS.
- B. CONSTRUCT FILTER DAMS ACCORDING TO THE FOLLOWING CRITERIA UNLESS SHOWN OTHERWISE ON THE PLANS.**
1. TYPE 2 AND 3 FILTER DAMS: SECURE WITH 20 GAUGE GALVANIZED BROWN WIRE MESH WITH 1 INCH DIAMETER HEXAGONAL OPENINGS.
  2. PLACE GRANULAR FILL ON THE WIRE MESH TO HEIGHT AND SLOPES SHOWN ON PLANS OR AS SPECIFIED BY THE ENGINEER.
    - a. 3-5 INCHES FOR ROCK FILTER DAM TYPES 1, 2 AND 4.
    - b. 4-8 INCHES FOR ROCK FILTER DAM TYPE REFER TO GRANULAR FILL IN SPECIFICATION SECTION NO. 02378 RIPRAP AND GRANULAR FILL.
  3. FOLD WIRE MESH AT UPSTREAM SIDE OVER GRANULAR FILL AND TIGHTLY SECURED TO ITSELF ON THE DOWNSTREAM SIDE USING WIRE TIES OR HOOD RINGS.
  4. IN STREAMS: SECURE OR STAKE MESH TO STREAM BED PRIOR TO AGGREGATE PLACEMENT.
  5. SEE HOTOCD SPECIFICATION SECTION NO. 02364-FILTER DAMS. EMBED ONE FOOT MINIMUM INTO SLOPE AND RAISE ONE FOOT HIGHER THAN CENTER OF DEPRESSED AREA AT SLOPE.

| NO. | REVISIONS                | DATE   | NAME |
|-----|--------------------------|--------|------|
| 1   | ORIGINAL STANDARD ISSUED | 2-1-21 | RWB  |
|     |                          |        |      |
|     |                          |        |      |
|     |                          |        |      |

FORT BEND COUNTY  
ENGINEERING DEPARTMENT



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BIDDING AND PERMITS  
(LAYER "C-NON-PRINT")  
DATE: 2-1-21

| PROJECT TITLE:                                | DRAWING BY: | DATE:  |
|---|-------------|--------|
| STORM WATER POLLUTION PREVENTION PLAN DETAILS | RWB         | 2-1-21 |
| PROJECT DESCRIPTION:                          | DATE:       |        |
|   |             |        |
|   |             |        |
|   |             |        |

FIELD STANDARD SHEET NO. 1/1