



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

**Fort Bend County  
Engineering Department**  
301 Jackson Suite 401  
Richmond, Texas 77469  
281.633.7500  
[Permits@fortbendcountytx.gov](mailto:Permits@fortbendcountytx.gov)

- Right of Way Permit  
 Commercial Driveway Permit

Permit No: 2023-62202

**Applicant:** James Andreatos and Derek Olander/DEREK JAMES HOMES

**Job Location Site:** 5210 Manor Drive, Sugar Land, TX 77479

**Bond No.**                      **Date of Bond:** 6/13/2023 **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, 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 25th day of July, 2023, 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:   
County Engineer

Date Recorded \_\_\_\_\_ Comm. Court No. \_\_\_\_\_

Clerk of Commissioners Court

By: N/A  
Drainage District Engineer/Manager

By: \_\_\_\_\_  
Deputy



**REVIEW BY FORT BEND COUNTY**  
**COMMISSIONERS COURT**

**Fort Bend County**  
**Engineering Department**  
301 Jackson Suite 401  
Richmond, Texas 77469  
281.633.7500  
[Permits@fortbendcountytx.gov](mailto:Permits@fortbendcountytx.gov)

- Right of Way Permit  
 Commercial Driveway Permit  
Permit No: 2023-62202

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.**

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

7/12/2023

\_\_\_\_\_  
Date

Effective Date: June 13th, 2023

**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, James Andreatos and Derek Olander  
whose (address, phone) is 5322 West Bellfort Suite 220, Houston, TX 77035

(346) 204-5800 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) P.O. Box 5077, Sioux Falls,  
SD 57117-5077, (800)331-6053, whose officer residing in the State of Texas, authorized to accept service in all  
suits and actions brought within said state is Smith-Reagan Insurance Agency  
and whose address is P. O. Box 1009, San Benito, TX 78586-1009

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 Five Thousand and 00/100  
Dollars (\$ 5,000.00) 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 13th day of June, 2023.

[Signature]  
PRINCIPAL

Derek Olander  
BY

WESTERN SURETY COMPANY  
SURETY  
[Signature]  
BY

# 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

Arthur Anthony Delgado of San Benito State of Texas, with limited authority, its true and lawful Attorney-in-Fact, will 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:

Cable, Conduit and/or Pole line Activity in, under, across or along County Roads  
One County of Fort Bend

bond with bond number [REDACTED]

for James Andreatos and Derek Olander

as Principal in the penalty amount not to exceed: \$5,000.00

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.

This Power of Attorney may be signed by digital signature and sealed by a digital or otherwise electronic-formatted corporate seal under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 27th day of April, 2022:

"RESOLVED: That it is in the best interest of the Company to periodically ratify and confirm any corporate documents signed by digital signatures and to ratify and confirm the use of a digital or otherwise electronic-formatted corporate seal, each to be considered the act and deed of the Company."

In Witness Whereof, the said WESTERN SURETY COMPANY has caused these presents to be executed by its Vice President with the corporate seal affixed this 13th day of June, 2023.

ATTEST

L. Bauder  
L. Bauder, Assistant Secretary



WESTERN SURETY COMPANY

Larry Kasten  
Larry Kasten, Vice President

STATE OF SOUTH DAKOTA }  
COUNTY OF MINNEHAHA } ss

On this 13th day of June, 2023, before me, a Notary Public, personally appeared Larry Kasten and L. Bauder

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.



S. Green  
Notary Public

My Commission Expires February 12, 2027

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



## Fort Bend County, Texas

Engineering Department  
301 Jackson St., 4th Floor  
Richmond, TX 77469  
(281) 633-7500

Date: Friday, June 16, 2023

KATIE WICKHAM  
DEREK JAMES HOMES  
5322 W BELLFORT ST  
HOUSTON 77035  
KATIE@DJ-HOMES.COM

Permit Number 2023-62202

Job Address: 5210 Manor Drive, Sugar Land, TX 77479

Dear KATIE WICKHAM,

Staff has completed its review for the project that is to be located at 5210 Manor Drive, Sugar Land, TX 77479. You may now request temporary power if applicable by selecting "Request Inspection" on your permit entry at [www.mygovernmentonline.org](http://www.mygovernmentonline.org) and choosing Temporary Power from the available inspection list. Please see any comments issued below for reference as you proceed with your development.

### **Road and Bridge Department Comments**

The following comments have been provided by RB Driveway. Should you have any questions or require additional information regarding any of these comments, please contact RB Driveway at by telephone at () - or by email at [rbdriveway@fortbendcountytx.gov](mailto:rbdriveway@fortbendcountytx.gov).

Per Ronnie Sebesta needs to be 18" - HDPE pipe can be used since this is residential. Driveway needs to be a minimum 20' and maximum 40'. Once permit is approved through commissioner's court, please call our office at 281-342-4513 to get grade and flow line set, and 24 hours prior to setting driveway to schedule an inspection.

***This project review is based only on the information provided. This review in no way alleviates the responsibility of the owner or contractor to comply with all regulations adopted by Fort Bend County, as well as state and federal laws and codes. No code violations are "approved" by this office.***

Should you have questions regarding specific comments, please contact the staff member referenced under the section in which the comment occurs. Should you have questions or require additional information regarding the process to request Temporary Power, if applicable, please call [www.mygovernmentonline.org](http://www.mygovernmentonline.org) technical support 1-866-957-3764, option 1.

This letter does not constitute an issued permit or approval of this permit application. You will receive your approved permits from the Engineering Department by separate transmittal.

Thank you,

6/16/2023 9:54:42 AM

2023-62202

Page 2

RB Driveway

Disabled 7/7/21 from MGO Connect Live Bounce

A:\1704\1801\Fort Bend County Standard\Fort Bend County Standard\Fort Bend County Standard\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  |

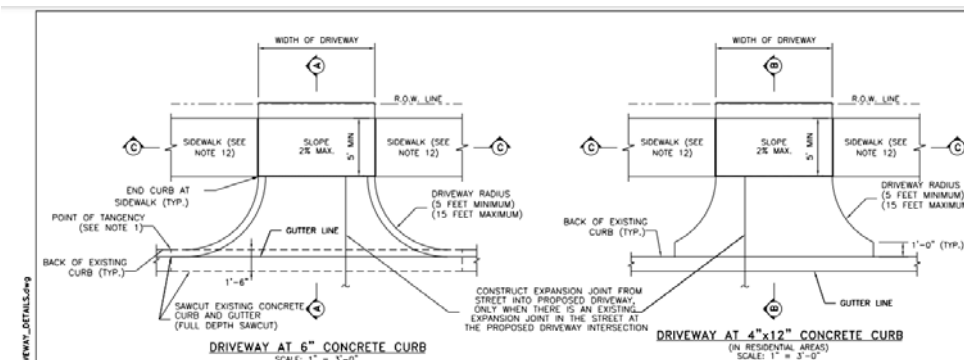
**FORT BEND COUNTY ENGINEERING DEPARTMENT**



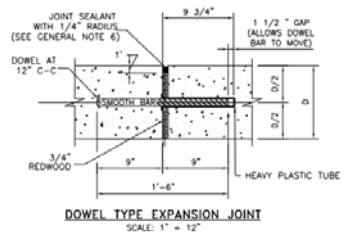
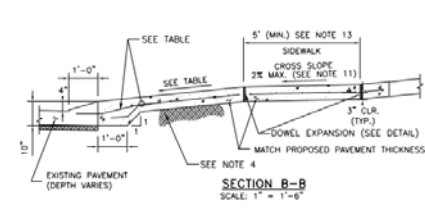
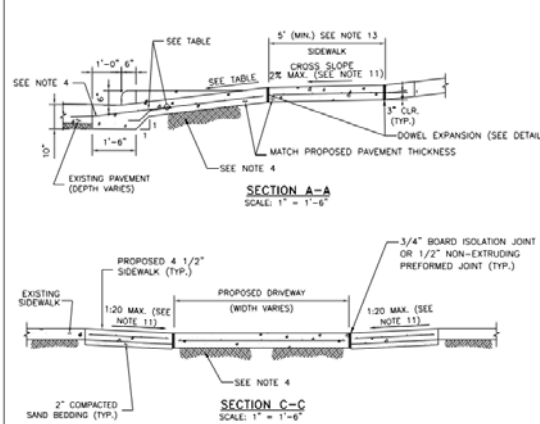
CONSULTANT LOGO (LAYER "C-NON-PRINT")

FOR INTERIM REVIEW ONLY  
DOCUMENT INCOMPLETE  
NOT AVOIDING 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  |

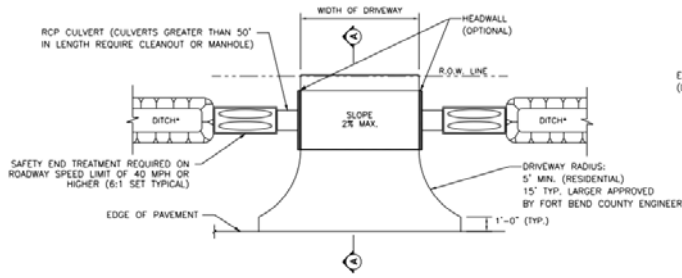
**FORT BEND COUNTY ENGINEERING DEPARTMENT**



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

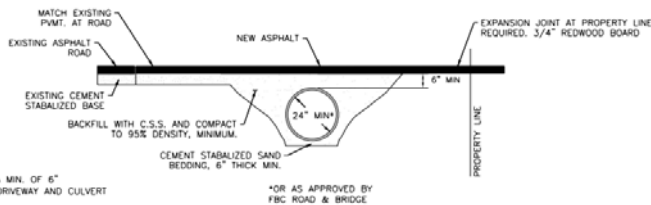
FOR INTERIM REVIEW ONLY  
DOCUMENT INCOMPLETE  
NOT AVOIDING FOR CONSTRUCTION  
REINFORCEMENT BARBERS  
(LAYER "C-NON-PRINT")  
P.E. SERIAL NO.  
DATE:

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

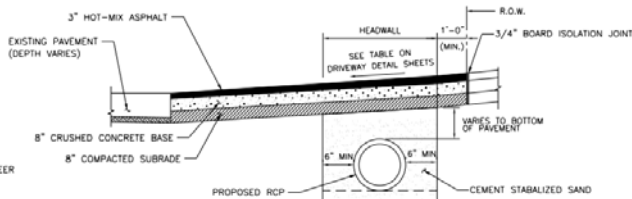


**OPEN DITCH DRIVEWAY**  
\*DITCH IS TO HAVE 4:1 SLOPE

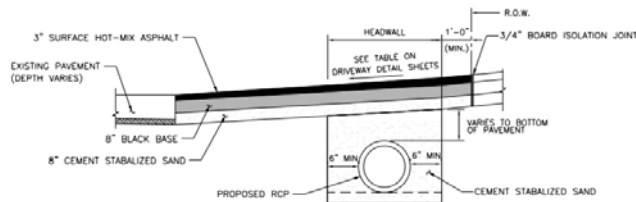
| MINIMUM RADI REQUIREMENTS - DRIVEWAYS |       |                 |
|---------------------------------------|-------|-----------------|
|                                       | LOCAL | COLLECTOR/MAJOR |
| RESIDENTIAL                           | 5'    | -               |
| COMMERCIAL                            | 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 | FWB  |
| 2   |                          |        |      |
| 3   |                          |        |      |
| 4   |                          |        |      |

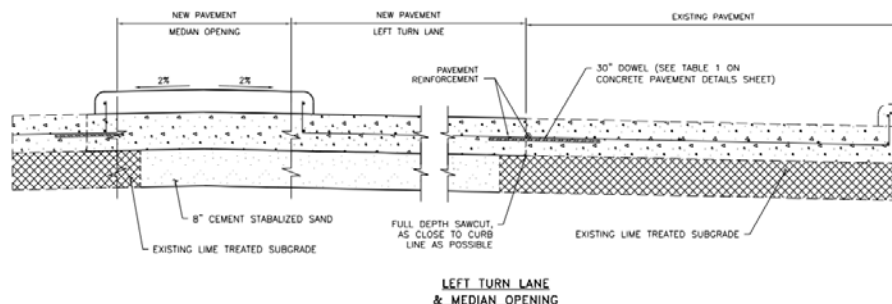
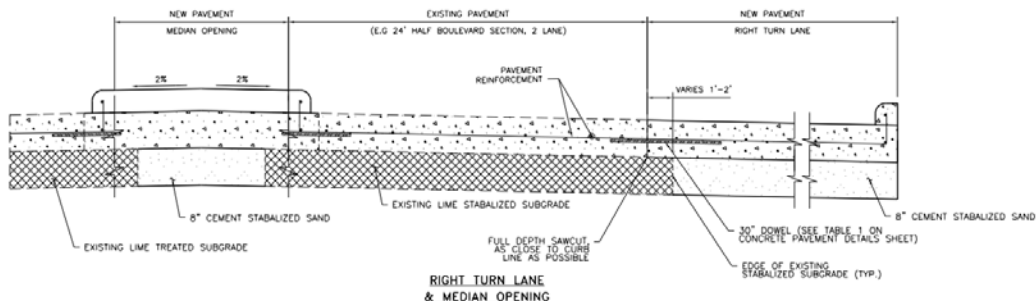
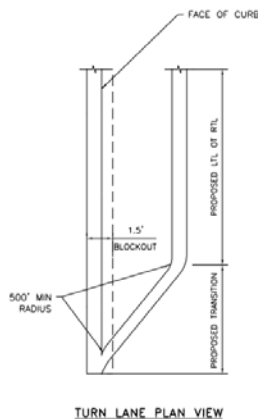
FORT BEND COUNTY  
ENGINEERING DEPARTMENT



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

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

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



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 | FWB  |
| 2   |                          |        |      |
| 3   |                          |        |      |
| 4   |                          |        |      |

FORT BEND COUNTY  
ENGINEERING DEPARTMENT



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(LAYER "C-NON-PRINT")

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

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



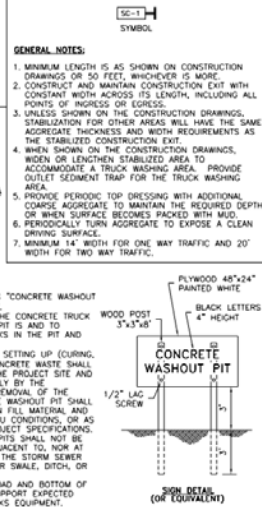
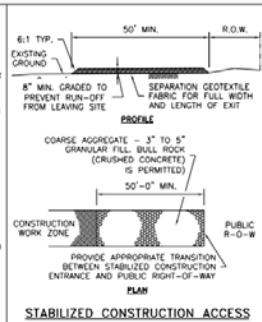
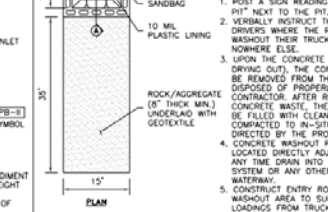
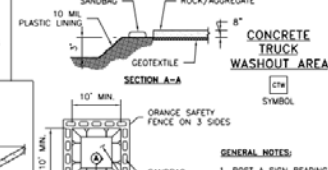
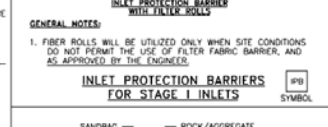
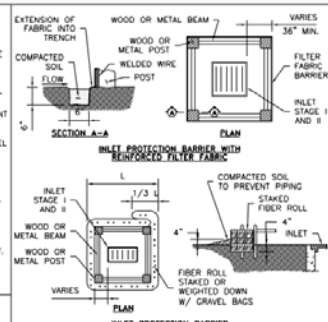
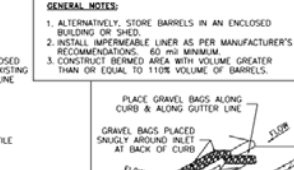
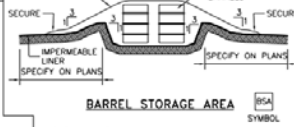
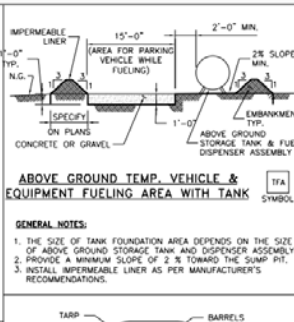
- A. TYPES OF FILTER DAMS**
1. TYPE 1 (NON-REINFORCED)
    - a. HEIGHT - 18-24 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
    - b. TOP WIDTH - 2 FEET (MINIMUM).
    - c. SLOPES - 2:1 (MAXIMUM).
  2. TYPE 2 (REINFORCED)
    - a. HEIGHT - 18-36 INCHES. MEASURE VERTICALLY FROM 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 HOTOZ 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



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



| FOR INTERIM REVIEW ONLY     | PROJECT TITLE:  | FIXED STANDARD   |
|-----------------------------|-----------------|--|
| DOCUMENT COMPLETE           | DRAWING BY: RWB | STANDARD   |
| NOT ISSUED FOR CONSTRUCTION | DATE: 2-1-21    | DESCRIPTION: STORM WATER POLLUTION PREVENTION PLAN DETAILS |
| (LAYER "C-NON-PRINT")       | SCALE: NONE     | SHEET NO. 7/7  |
| P.E. SERIAL No. DATE:       | APPROVED BY:    |  |