



**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

- Right of Way Permit
 Commercial Driveway Permit

Permit No: 2022-57947

Applicant: Hurtado Construction Company

Job Location Site: A Myers Near Shining Light Ln, Richmond, TX 77469

Bond No. **Date of Bond:** 6/16/2022 **Amount:** \$65,000.00

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 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 1st day of November, 2022, 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

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 |

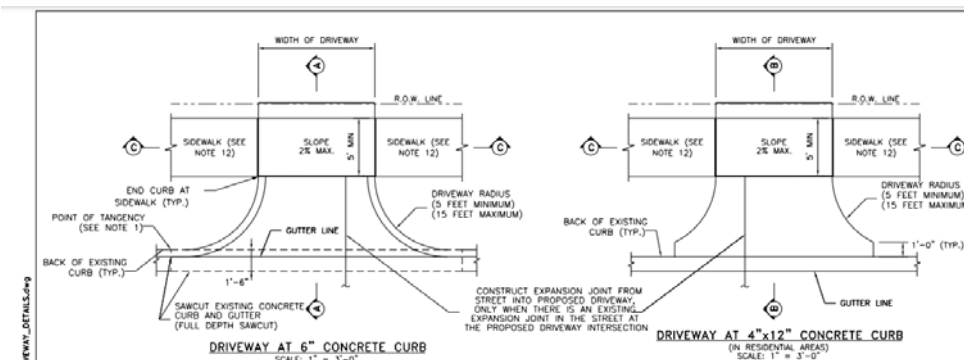
FORT BEND COUNTY ENGINEERING DEPARTMENT



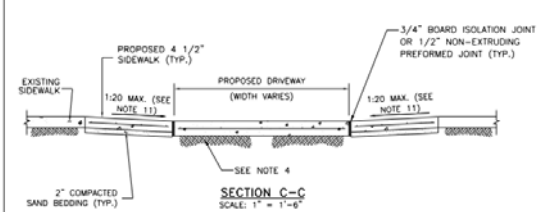
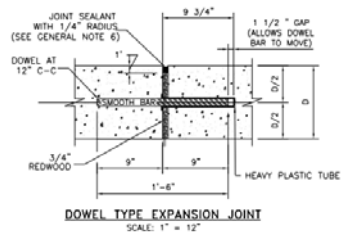
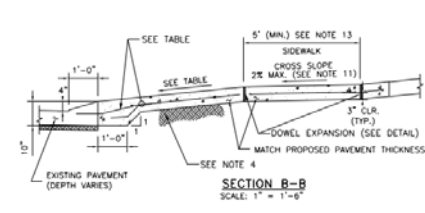
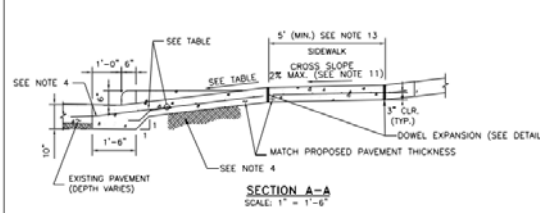
CONSULTANT LOGO (LAYER "C-NON-PRINT")

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 DRIVEWAY 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 | | | |

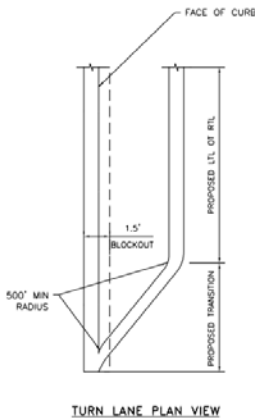
FORT BEND COUNTY ENGINEERING DEPARTMENT



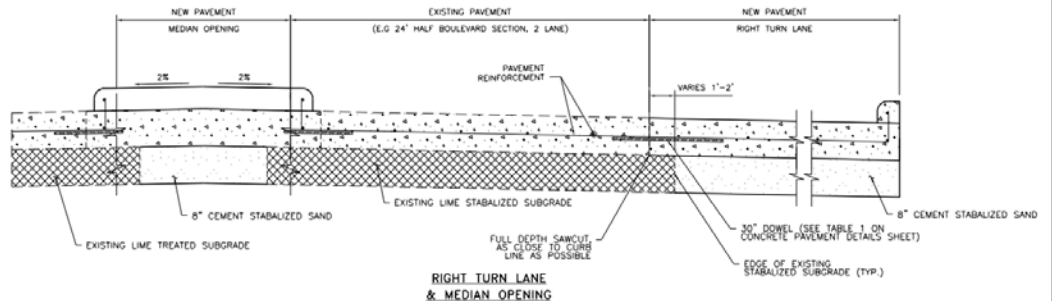
CONSULTANT LOGO (LAYER "C-NON-PRINT")

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

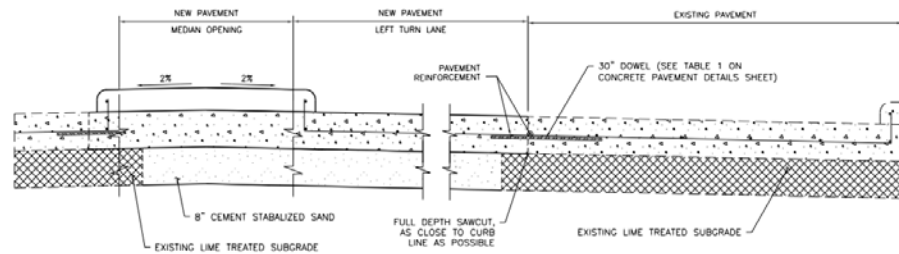
| PROJECT TITLE | | FRCD STANDARD |
|---------------|---|-----------------|
| DRAWN BY: FWT | SHEET DESCRIPTION: ASPHALT DRIVEWAY DETAILS | SHEET NO. # / # |
| TEXT BY: FWT | SCALE: AS NOTED | |
| DATE: 2-1-21 | APPROVED BY: | |



TURN LANE PLAN VIEW



RIGHT TURN LANE & MEDIAN OPENING



LEFT TURN LANE & MEDIAN OPENING

- NOTES**
- 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



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



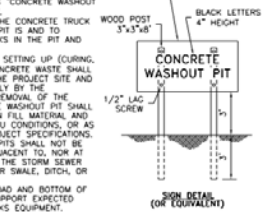
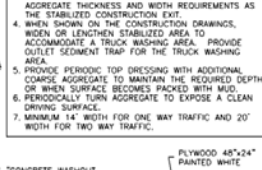
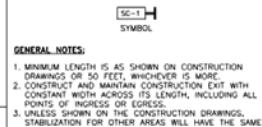
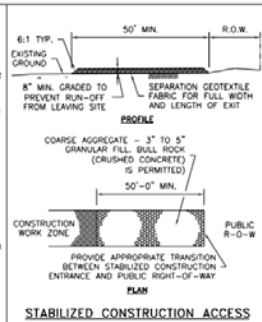
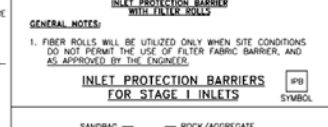
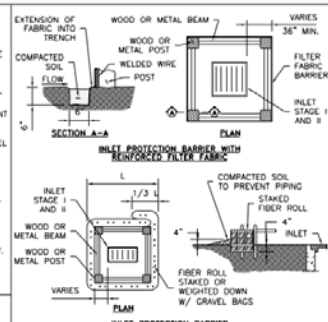
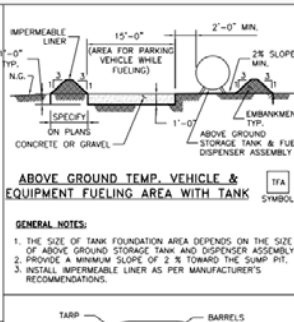
- A. TYPES OF FILTER DAMS**
1. TYPE 1 (NON-REINFORCED)
 - a. HEIGHT - 18-24 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND TO TOP OF FILTER DAM.
 - b. TOP WIDTH - 2 FEET (MINIMUM).
 - c. SLOPES - 2:1 (MAXIMUM).
 2. TYPE 2 (REINFORCED)
 - a. HEIGHT - 18-36 INCHES. MEASURE VERTICALLY FROM EXISTING GROUND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



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



FOR INTERIM REVIEW ONLY
DOCUMENT INCOMPLETE
NOT SUITABLE FOR CONSTRUCTION
BIDDING AND PERMITS
(LAYER "C-NON-PRINT")
DATE: 2-1-21

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