

**FEES DOUBLE IF WORK IS PERFORMED WITHOUT PERMIT BEING ISSUED**



**NON-TRANSFERABLE  
NO REFUNDS  
EXPIRES IN 180 DAYS**

Permits / Inspections Department | Website: www.cityofkaty.com | Email: KatyPermits@cityofkaty.com | Code Questions: BuildingInfo@cityofkaty.com

**APPLICATION FOR CULVERT & FLATWORK PERMIT**

New Install      Replacement      Occupancy Use:      Residential      Commercial

Date of Application: \_\_\_\_\_

Project Address: \_\_\_\_\_

Lot: \_\_\_\_\_ Block: \_\_\_\_\_ Subdivision: \_\_\_\_\_ County: \_\_\_\_\_

Legal Property Owner: \_\_\_\_\_

Owner's Address/City/State/Zip: \_\_\_\_\_

Owner's Phone #: \_\_\_\_\_ Owner's Email: \_\_\_\_\_

Contractor's Name: \_\_\_\_\_

Address/City/State/Zip: \_\_\_\_\_

Contractor's Phone #: \_\_\_\_\_ Contractor's Email: \_\_\_\_\_

Description of Project: \_\_\_\_\_

Flatwork \*including Culvert      Flatwork Only

\*Tile Size:      18"      24"      Other (specify) \_\_\_\_\_

**APPLICANT WILL INSTALL/PRIVATE CONTRACTOR**

City of Katy will inform you of the proper size and grade requirements prior to installation. Applicant must notify City of Katy when pipe is set for inspection, **before it is backfilled** (before covering up). Reinforced concrete pipe should be used. All driveway construction must be completed in accordance with the Regulations of City of Katy for the Construction of Driveways and/or Culverts on City Easements and Rights of Way. Construction pursuant to the permit will commence within three (3) months and be completed within six (6) months from the date of permit. City Engineer, or designee, may inspect site at anytime.

**NOTE: DRAINAGE AND UTILITY EASEMENTS MUST BE SHOWN ON SITE PLAN OR APPLICANT MUST PROVIDE SURVEY PRIOR TO PERMIT APPROVAL**

SCHEDULE OF FEES:		
• First Driveway @ \$8.00		\$ _____
• Sidewalk and/or Walkway (1st 100 ln. ft.) @ \$15.00	Total LF = _____	\$ _____
• Each Additional 100 ln. ft. @ \$3.00		\$ _____
• Additional Driveway @ \$4.50 each		\$ _____
• Flatwork/Parking/Paving up to 1000 sf @ \$30.00 or	Total SF = _____	\$ _____
• Each Additional 1,000 sf @ \$1.50		\$ _____
• Culvert @ \$25.00		\$ _____
<b>APPLICATION FEE</b>		<b>\$10.00</b>
<b>TOTAL PERMIT FEE</b>		<b>\$ _____</b>

**Reinspection Fees: (if required)**  
**Reinspection fee is \$15.00 for the first reinspection, and the fee increases in increments of \$15.00 for each subsequent reinspection.**  
**(Ordinance 2240 adopted 11/10/03)**

**INSPECTION LOG:** Call for Inspection

\*Site Inspection \_\_\_\_\_ \*Backfill Checked \_\_\_\_\_ Bedding & Pipe Grade Checked \_\_\_\_\_ If Culvert Included \_\_\_\_\_  
 Form/Steel Inspection      PASS      FAIL      Pavement Inspection      FINAL PASS      FAIL

**ACKNOWLEDGMENT** PLEASE READ IN ITS ENTIRETY AND SIGN

- All culverts shall be new reinforced concrete pipe The city does not sell or pick up culverts
- Payment of Fees
- Minimum culvert length: 20 Feet
- The property owner shall keep the culverts open and free flowing
- No alteration of the driveway (including pavement) shall be made without prior approval from The City of Katy.

The applicant (Owner/Installer) understands and agrees that the City Engineer, or designee, may make scheduled or unscheduled inspections of the property upon the issuance of the permit. If the permit applicant is a corporation, partnership or other legal entity other than a natural person, then the undersigned acting as the authorized representative of said entity will be responsible for ensuring the entity's compliance with all provisions, conditions and requirements of the development and driveway permit.

The applicant (Owner/Installer) hereby acknowledges and agrees to be strictly bound to ensuring that all provisions, conditions and requirements attached to the issuance of the driveway permit(s) under the Regulations of Driveways, and/or Culverts on Easements and rights of Way will be faithfully complied with.

I, \_\_\_\_\_, the undersigned, have carefully reviewed this application, accept all conditions set above and certify that all statements made herein are true. I acknowledge that signatures transmitted electronically or by facsimile transmission have the same legal effect as originals.

**Applicant Original Signature:** \_\_\_\_\_

**Printed Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Approved by: Inspector** \_\_\_\_\_

**Date:** \_\_\_\_\_

## CULVERT INFORMATION

### 1) HOW TO BEGIN

- A) Turn in "Application for Culvert & Flatwork Permit"
  - i) No fees collected at this time
  - ii) Provide survey or site plan showing all drainage and utility easements
- B) Call 281-391-4830 within 48 hours of submitting application to schedule initial inspection.
- C) Prior to initial inspection: place surveyor stakes (4 feet high) at each end of where you are requesting the placement of the culvert.
- D) The Public Works Director, or their designee, will inspect the requested location. If acceptable, a flow line grade stake will be placed and the size culvert will be established, along with any other condition that may need consideration.
- E) You may contact the Public Works office at 281-391-4820 to obtain detailed information.
- F) Once Application is approved, permit will be processed and all permit fees collected.

**Call the Permit Office 281-391-4830 for inspection before any asphalt or concrete is poured.**

**Note: Please call by 2pm for next day inspection**

- 2) Final cover may be of most types of aggregates. Final drive surface shall comply with off street paving requirements.
- 3) **Minimum diameter** --- Twenty-four (24") inches; eighteen (18") inches for pipe serving one (1) inlet.
- 4) **Minimum slope** --- Storm sewers: 0.1%. Culverts shorter than one hundred (100') feet: 0.1 foot.
- 5) **Material**
  - A) Class III reinforced concrete pipe.
  - B) High Density Polyethylene (HDPE) Corrugated Smooth Lined thermoplastic pipe may be used when approved by the city engineer.
  - C) Texas Highway Department standard box culverts and headwalls.
- 6) **Joints**
  - A) Class III Reinforced Concrete pipe -Bell and spigot joints with "O" ring type gaskets.
  - B) High Density Polyethylene Pipe -Bell and spigot joints with "O" ring type gaskets.
  - C) Box Culverts -"Ram-Nek" type asphaltic sealer or approved equal with joints to meet Texas Department of Highways specification.
- 7) **Bedding** --- All storm sewer is to be bedded with one and one half (1½) sack per cubic yard of cement stabilized sand, compacted to twelve (12") inches thickness, minimum.
- 8) **Backfill** --- All storm sewer piping shall be backfilled to a minimum of twelve (12") inches over the top of the pipe with one and one half (1½) sack per cubic yard cement stabilized sand, compacted by mechanical means. When using HDPE pipe, caution shall be taken to insure proper bedding and backfill to meet the manufacturer's recommendations to provide the structural support necessary.

## FLATWORK INFORMATION

### RESIDENTIAL

1. **Public Sidewalks:** 4ft. wide, 4in. thick minimum concrete at 2,500 PSI reinforced with #3 rebar, 18" OCEW supported, dowels @ 18in. OC.
2. **Walkways:** Minimum 2ft wide, 3 ½ in. thick minimum concrete at 2,500 PSI reinforced with #6 wire mesh or #3 rebar on 18in. centers, dowels @ 18in. OC.
3. **Driveways:** 3 ½in. thick minimum concrete at 2,500 PSI reinforced with minimum #6 wire mesh or #3 rebar on 18in. centers, dowels @18in. OC.
4. **Radius:** 2ft to 5ft
5. **Patio Slabs:** 4in. thick slab shall be reinforced with #3 rebar on 16in. centers. If attaching to existing concrete, add dowels @ 18in. OC.
6. **Approach:** 6in. thick minimum concrete at 2,500 PSI to property line.
  - a. #3 rebar at 18in. OCEW and supported.
  - b. Sleeve dowels at existing concrete street (unless street is asphalt) and attach two each #3 rebar running parallel to the street and tied to the dowels.

**\*\*\*MUST COMPLY WITH ALL NOTES\*\*\***

### COMMERCIAL

1. **Common Drive Area Specifications:** 6in. thick minimum concrete at 3,000 PSI, #3 rebar at 18in. OCEW, dowels at 18in. OC.
2. **Parking Area Specifications:** 5in. thick minimum concrete at 2,500 PSI, #3 rebar at 24in. OCEW, dowels @18in. OC.
3. **Radius:** 5ft to 10ft
4. **Approach:** 6in. thick minimum concrete at 3,000 PSI to property line.
  - a. #3 rebar at 18in. OCEW and supported.
  - b. Sleeve dowels at existing concrete street (unless street is asphalt) and attach two (2) each #3 rebar running parallel to the street and tied to the dowels.

**\*\*\*MUST COMPLY WITH ALL NOTES\*\*\***

### JOINTS, DOWELS, AND SUPPORT

1. **Full Expansion Joints:** Pressure treated or sound heart redwood ¾in. thick with OA 90 asphalt joint seal
  - a. 10ft OC.
  - b. 12in. dowels, 18in. OC.
  - c. 6in. into existing slabs and epoxied
  - d. Sleeve exposed sides of dowels
2. **Partial Expansion Joints:** 1in. x 2in. expansion joint-pressure treated or sound heart redwood with steel running continuously underneath (no dowels needed)
  - a. 10ft OC.
3. **Control Joints:** Saw cut between every expansion joint. 1/2in. x 1/2in.
4. **Dowels:** (load transmission devices) #3 rebar, 12in. long, 18in OC.
  - a. 6in. into existing slabs and epoxied
  - b. Sleeve exposed sides
5. **Proper Steel Support & Placement:**
  - a. 2in. from earth (dirt)
  - b. 1/2in. from all form boards
  - c. All steel tied
  - d. Only non-corrosive steel supporting steel, or must use approved chairs, concrete bricks, or other approved material.