



Brookshire - Katy Drainage District

BROOKSHIRE-KATY DRAINAGE DISTRICT RULES AND REGULATIONS NO. 07-01

RULES AND REGULATIONS, DEVELOPMENT AND CONSTRUCTION POLICIES FOR UTILITY, PIPELINE, AND CABLE CROSSINGS, PRIVATE AND PUBLIC CROSSINGS, DRAINAGE CONNECTIONS WITHOUT LAND USE CHANGES, TRACT DEVELOPMENT WITHOUT PLATTING, AND TRACT DEVELOPMENT WITH PLATTING, ESTABLISHING FEES, PROVIDING PENALTY, AND PROVIDING FOR A FINE OR OF NOT MORE THAN \$5,000.00 UPON CONVICTION OF A VIOLATION UNDER THESE RULES AND REGULATIONS; PROVIDING FOR ATTORNEYS FEES AND EXPERT WITNESSES FEES AND COSTS OF COURT; PROVIDING AN EFFECTIVE DATE; PROVIDING A REPEALER CLAUSE; PROVIDING A SEVERABILITY CLAUSE; PROVIDING FOR POSTING AND PUBLISHING.

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WHEREAS, the Brookshire-Katy Drainage District, hereinafter termed "District", has power and authority to control the drainage of overland flows of the lands within the District, as granted under the authority of the State of Texas, an Act creating a Conservation and Reclamation District under the provisions of Section 59, Article XVI, of the Constitution of the State of Texas, and created by the 59th Legislature, Chapter 203, House Bill 302, amended by the 77th Legislature, Chapter 1339, House Bill 2959, and as approved by voters on November 19, 2001, and further authority under Title IV, Chapter 49 and 53, et seq, of the General Laws of the Texas Water Code, as amended by Senate Bill 1865 enacted by the 75th Legislature, 1997, as amended by Senate Bill 1526 enacted by the 80th Legislature, 2007, applicable to Fresh Water Supply Districts under Chapter 53 of the Texas Water Code, and,

WHEREAS, this authority governs the use, connection to, crossing of, or altering in any other means any drainage facility within the District, and,

WHEREAS, the uncontrolled increase in runoff from development of land within the District can overload drainage facilities, erode easements, and cause an increase in flooding on the development and/or adjacent properties, and,

WHEREAS, the subdivision of property into two (2) or more parts within Waller County, including the incorporated areas within the County, is controlled and governed by the policies, ordinances, and regulations of Waller County, and the incorporated areas, and,

WHEREAS, this rule is not to supersede any of the existing rules, ordinances, or policies of these entities, or to usurp any authority from the other entities, and,

WHEREAS, the Brookshire- Katy Drainage District Board of Supervisors has determined that it would be in the best interest of the Brookshire-Katy Drainage District to adopt policies and to establish guidelines and procedures for obtaining the District's approval for use, connection to, crossing of, or altering in any other means, drainage facilities within the District for each of the following:

1. Utility, Pipeline, and Cable Crossings
2. Private and Public Crossings
3. Drainage Connections Without Land Use Changes
4. Tract Development Without Platting
5. Tract Development With Platting, and,

WHEREAS, the caption of this rule has been published two (2) consecutive times in a publication having general circulation in the area, therefore,

BE IT ORDAINED by the Board of Supervisors of the Brookshire-Katy Drainage District, Brookshire, Texas, that these Rules, having full force and effect, shall establish development and construction policies with the District until amended or revoked by further appropriate action of the Board of Supervisors of the Brookshire-Katy Drainage District.

ARTICLE 1. UTILITY, PIPELINE, AND CABLE CROSSINGS

SECTION 1. GENERAL INFORMATION

- A. All utilities, pipelines, and cables, either publicly or privately owned, shall obtain a permit from the District prior to any construction to cross any drainage facility within a District held easement.
- B. All utilities, pipelines, and cables shall cross District facility within 20 degrees of perpendicular to that facility. No utility, pipeline, or cable shall be located within and parallel to a District easement and or facility.
- C. A private irrigation line servicing a single landowner shall comply with all Rules and Regulations of this article except for the depth which shall be at 30 inches below grade.

SECTION 2. PROCEDURE

- A. Fourteen (14) days prior to the regularly scheduled Board Meeting of the District at which approval is desired, the Applicant shall submit to the District the following in hard copy as well as one (1) copy in electronic format:
 - 1. Three (3) copies of completed District Application Form (blank forms furnished by the District).
 - 2. Three (3) copies of engineering drawings providing details of crossing. Drawings shall include both a plan and profile view, the limits of the District's easement, survey name and abstract number, and physical location.
 - 3. Application Processing Fee.
- B. The District and its Engineer shall review the submitted materials

SECTION 3. REQUIREMENTS

- A. Top of utility, pipeline, or cable shall be a minimum of five (5) feet below the existing flowline of the channel being crossed, or five (5) feet below the projected flowline of the channel as provided by the District's Master Drainage Plan, now existing or hereafter adopted. Proposed utility, pipeline, or cable must stay at this depth for the entire width of existing easement, and then may be sloped towards the ground surface at a slope not to exceed 3: 1.
- B. All pipelines with a working pressure exceeding 200 pounds per square inch shall be constructed with a concrete pad over the line. Pad shall extend one (1) foot on either side of edge of pipeline for the total length of the District's easement, and shall be twelve (12) inches thick. Top surface of pad shall be a minimum of five (5) feet below the existing flowline of the channel being crossed, or five (5) feet below the projected flowline of the channel as provided by the District's Master Drainage Plan, now existing or hereafter adopted. District may release requirement for concrete pad if pipeline is directionally drilled under easement and is at least ten (10) feet below the existing flowline of the channel being crossed, or ten (10) feet below the projected flowline of the channel as provided by the District's Master Drainage Plan, now existing or hereafter adopted.
- C. Upon completion of crossing, the Applicant shall install markers on either end of crossing, at the right-of-way limits of the District's easement. Said markers shall be approved by the District, and shall be in place prior to release of bond or letter of credit. It shall be the Applicant's responsibility to maintain condition of markers. In addition, the Applicant shall provide Record Drawings, both in hard copy form and in an electronic format acceptable to the District, of the construction, along with the engineer's certification that the construction was in accordance with the access permit granted.

- D. The Applicant shall provide the District with two (2) business days notice prior the start of construction of crossing.

SECTION 4. ACCESS PERMIT

- A. Upon approval of application by Board, the District shall prepare an Access Permit for execution by the District and the Applicant, granting the Applicant the privilege to cross the District facility. The Applicant shall deliver executed Access Permit, along with a check made payable to the District for County recording fee. The District shall be responsible for recording of Access Permit and will return original to the Applicant. The District shall retain a certified copy of permit. Access permits shall have no force or effect upon easements or rights-of-way granted by others to the District unless an easement or right-of-way is also granted to the Applicant by the owner of the tract of land in question.
- B. Maintenance of the permitted facilities shall be the responsibility of the Applicant. The District reserves the right to require any changes, maintenance, or repairs as necessary to provide protection of life and property. The District may require the Applicant or Owner of the permitted facility to relocate the permitted facility by giving thirty (30) days written notice.

SECTION 5. BOND

- A. The Applicant shall provide to the District a bond, cash, or irrevocable letter of credit, in an amount to be determined by the District, prior to the issuance of the Access Permit. The bond or irrevocable letter of credit must be made payable to the District, and shall be on a form acceptable to the District. Cash may be in the form of a certificate of deposit to be placed with the District. The bond or irrevocable letter of credit shall be in force for a period not less than one (1) year from the date on Access Permit. The District shall release bond, cash, or irrevocable letter of credit after an inspection of the construction site is made by the District not less than one (1) year from date on Access Permit, and the District is satisfied that the site has been restored to acceptable conditions.

SECTION 6. FEES

- A. Application Processing Fee — Five Hundred dollars (\$500.00), payable by cash or check, submitted with the District Application Form for each utility, pipeline, and cable crossing. This fee is for costs associated with the review of the application and for costs associated with the reviewing the construction work associated with the application.

ARTICLE II. PRIVATE AND PUBLIC CROSSINGS

SECTION 1. GENERAL INFORMATION

- A. All new crossings of District's facilities shall be governed by and shall meet the requirements stated herein.

SECTION 2. PROCEDURE

- A. Fourteen (14) days prior to the regularly scheduled Board Meeting of the District at which approval is desired, the Applicant shall submit to the District in hard copy as well as one (1) copy in electronic format the following:
 - 1. Three (3) copies of completed District Application Form (blank forms furnished by the District).
 - 2. Three (3) copies of drawings providing by details of each crossing. Drawings shall include both a plan and profile view, the limits of the District's easement, survey name and abstract number, and physical location.
 - 3. Three (3) copies of the drainage calculations for the sizing of the crossing. The crossing shall not restrict the current flow in the channel. The crossing shall also be in compliance with the District's Master Drainage Plan, now existing or hereafter adopted.
 - 4. Application Processing Fee.
- B. The District and its Engineer shall review the submitted materials

SECTION 3. REQUIREMENTS

- A. Culverts shall be bedded and backfilled with suitable material to prevent settlement and wash-outs. Concrete rip-rap, or other suitable erosion prevention material, may be required by Board after review of application.
- B. Bridges or other similar structures may require additional erosion prevention material, as determined by the Board, to protect the channel from erosion. No wooden bridges shall be allowed by the District.
- C. The Applicant shall provide the District with two (2) business days notice prior the start of construction of the crossing.
- D. Based on the District's review of the application, the District may participate in the installation of the crossing. The Applicant shall pay for all materials related to the proposed work.

- E. Any crossing within a public right-of-way or easement shall have the approval of the City, County, State, or other governmental entity having jurisdiction over the right-of-way or easement before District approval is granted.
- F. Should permitted facility become damaged by the property owner, Applicant or others, the Applicant or person damaging the facility shall pay for the replacement, repair, and/or removal of the crossing, including all materials, labor, and equipment costs. Should the District, due to either safety concerns or by agreement with the property owner, undertake the replacement, repair, and/or removal of a damaged crossing, the property owner shall reimburse the District for all materials, labor, and equipment costs incurred in replacing, repairing, and/or removing the structure. Should the permitted facility be damaged by the District equipment and personnel during normal District operations, the District will use its equipment and personnel to replace, repair, and/or remove the crossing.
- G. Should permitted facility deteriorate from natural causes, the property owner shall pay for replacement and/or removal of the crossing, including all materials, labor, and equipment costs. Should the District, due to either safety concerns or by agreement with the property owner, undertake the replacement and/or removal of a deteriorated crossing, the property owner shall reimburse the District for all materials, labor, and equipment costs incurred in replacing or removing the structure.
- H. Should the crossing be located within a public right-of-way or easement, the City, County, State or other governmental entity having jurisdiction in the area shall be responsible for the maintenance, operation, repair, and/or removal of the crossing once the right-of-way or easement, including all public infrastructure contained therein, has been accepted by said entity.
- I. If proposed work requires enlargement or modification to an existing District facility, all work must comply with the District's Master Drainage Plan, now existing or hereafter adopted.
- J. The Applicant shall provide Record Drawings, both in hard copy form and in an electronic format acceptable to the District, of the construction, along with the engineer's certification that the construction was in accordance with the access permit granted.

SECTION 4. ACCESS PERMIT

- A. Upon approval of application by Board, the District shall prepare an Access Permit for execution by the District and the Applicant, granting the Applicant the privilege to cross the District facility. The Applicant shall deliver executed Access Permit, along with check made payable to the District for County recording fee. The District shall be responsible for recording of Access Permit and will return original to the Applicant. The District shall retain a certified copy of permit. The permit shall be termed as permanent or temporary. Access permits shall have no force or effect upon easements or rights-of-way granted by others to the District unless an easement or right-of-way is also granted to the Applicant by the owner of the tract of land in question.
- B. Maintenance of the permitted facilities shall be the responsibility of the Applicant. The District reserves the right to require any changes, maintenance, or repairs as necessary to provide protection of life and property. The District may require the Applicant or Owner of the permitted facility to relocate the permitted facility by giving thirty (30) days written notice.

SECTION 5. BOND

- A. The Applicant shall provide to the District a bond, cash, or irrevocable letter of credit, in an amount to be determined by the District, prior to the issuance of the Access Permit. The bond or irrevocable letter of credit must be made payable to the District, and shall be on a form acceptable to the District. Cash may be in the form of a certificate of deposit to be placed with the District. The bond or irrevocable letter of credit shall be in force for a period not less than one (1) year from the date on

Access Permit. The District shall release said bond, cash, or irrevocable letter of credit after an inspection of the construction site is made by the District after one (1) year from date on Access Permit, and the District is satisfied that the site has been restored to acceptable conditions.

SECTION 6. ABANDONMENT OF PERMIT

- A. Permit shall be considered permanent until such time facility is declared abandoned by the Applicant/Owner, or is unused for a period of five (5) years. If the Applicant/owner discontinues use of the crossing for a period of 5 years or more, the District reserves the right to remove any improvements and restore area to original condition. Any pipe material salvaged will remain the property of the Applicant/owner, and will be left at the site, off of the District's easement. Upon abandonment of permit, a release shall be signed by Applicant and recorded in Waller County Deed Records.

SECTION 7. FEES

- A. Application Processing Fee – Two Hundred Fifty dollars (\$250.00), payable by cash or check, submitted with the District Application Form for each public or private crossing. This fee is for costs associated with the review of the application and for costs associated with the reviewing the construction work associated with the application.

SECTION 8. EXISTING FACILITIES (UNPERMITTED)

- A. Should an existing facility (one installed prior to the effective date of this rule) become damaged by the property owner or others, the property owner or person damaging the facility shall pay for replacement materials, and shall reimburse the District for all labor and equipment costs incurred in replacing or repairing the structure. Should the existing facility be damaged by the District equipment and personnel during normal District operations, the District will use its equipment and personnel to repair, replace or remove the facility.
- B. Should an existing facility (one installed prior to the effective date of this rule) deteriorate from natural causes, and the property owner (or predecessor in title) initially paid the costs of the materials, the property owner shall pay for replacement materials only. The District shall use its own labor and equipment in replacing the structure.
- C. Should an existing facility (one installed prior to the effective date of this rule) deteriorate from natural causes, and the District initially paid the costs of the materials, the District shall pay for the replacement and/or removal of the facility.
- D. Should the land use change on the property either accessed by or containing an existing facility, the District shall not be responsible for the improvement, replacement, and/or removal of the facility.

ARTICLE III. DRAINAGE CONNECTIONS WITHOUT LAND USE CHANGES

SECTION 1. GENERAL INFORMATION

- A. All drainage connections to District's facilities from properties not changing existing land uses shall be governed by and shall meet the requirements stated herein.
- B. If land use changes are being proposed, the Applicant shall comply with either Article IV or Article V of these rules.

SECTION 2. PROCEDURE

- A. Fourteen (14) days prior to the regularly scheduled Board Meeting of the District at which approval is desired, the Applicant shall submit to the District in hard copy as well as one (1) copy in electronic format the following:
 - 1. Three (3) copies of completed District Application Form (blank forms furnished by the District).
 - 2. Three (3) copies of drawings providing details of connection. Drawings shall include both a plan and profile view, the limits of the District's easement, survey name and abstract number, and physical location.
 - 3. Three (3) copies of the drainage calculations for the sizing of the connection.
 - 4. Application Processing Fee.
- B. The District and its Engineer shall review the submitted materials.

SECTION 3. REQUIREMENTS

- A. Open ditch connections to existing channels are prohibited. The Applicant shall use pipe of approved material and size to connect drain or ditch to existing channel.
- B. Construction of pipe drain into channel shall require pipe to be bedded and backfilled with suitable material to prevent settlement and wash-outs. Downstream end of pipe shall be no higher than one (1) foot above flowline of channel, and pipe shall be oriented downstream in the channel. Concrete rip-rap, or other suitable erosion prevention material, may be required by Board after review of application.
- C. The Applicant shall provide the District with two (2) business days notice prior the start of construction of the connection.
- D. Based on the District's review of the application, the District may participate in the installation of the connection. The Applicant shall pay for all materials related to the proposed work.
- E. Should permitted facility become damaged by the Applicant or others, the Applicant or person damaging the facility shall pay for the replacement, repair, and/or removal of the crossing, including all materials, labor, and equipment costs. Should the District, due to either safety concerns or by agreement with the Applicant/property owner, undertake the replacement, repair, and/or removal of a damaged crossing, the property owner shall reimburse the District for all materials, labor, and equipment costs incurred in replacing, repairing, and/or removing the structure. Should the permitted

facility be damaged by the District equipment and personnel during normal District operations, the District will use its own equipment and personnel to replace, repair, and/or remove the facility.

- F. Should permitted facility deteriorate from natural causes, the property owner shall pay for replacement and/or removal of the connection, including all materials, labor, and equipment costs. Should the District, due to either safety concerns or by agreement with the property owner, undertake the replacement and/or removal of a deteriorated connection, the property owner shall reimburse the District for all materials, labor, and equipment costs incurred in replacing or repairing the structure.
- G. If proposed work requires enlargement or modification to an existing District facility, all work must comply with the District's Master Drainage Plan, now existing or hereafter adopted.

SECTION 4. FEES

- A. Application Processing Fee – Fifty dollars (\$50.00), payable by cash or check, submitted with the District Application Form for each connection.

SECTION 5. EXISTING FACILITIES (UNPERMITTED)

- A. Should an existing facility (one installed prior to the effective date of this rule) become damaged by the property owner or others, the property owner shall pay for replacement materials, and shall reimburse the District for all labor and equipment costs incurred in replacing or repairing the structure. Should the existing facility be damaged by the District equipment and personnel during normal District operations, the District shall bear all costs associated with the replacement or repair of the facility.
- B. Should an existing facility (one installed prior to the effective date of this Rule) deteriorate from natural causes, and the property owner (or predecessor in title) initially paid the costs of the materials, the Applicant/owner shall pay for replacement materials only. The District will use its own labor and equipment in replacing or removing the structure.
- C. Should an existing facility (one installed prior to the effective date of this Rule) deteriorate from natural causes, and the District initially paid the costs of the materials, the District shall bear all material, labor, and equipment costs incurred in replacing or removing the structure.
- D. Permit shall be considered permanent until such time facility is declared abandoned by the Applicant, or is unused for a period of five (5) years. If the Applicant discontinues use of permitted work for a period of 5 years or more, the District reserves the right to remove any improvements and restore area to original condition. Any pipe material salvaged will remain the property of the Applicant/owner, and will be left at the site, off of the District's easement. Upon abandonment of permit, a release shall be signed by Applicant and recorded in Waller County Deed Records.
- E. Should the land use change on the property containing an existing facility, the District shall not be responsible for the improvement, replacement, and/or removal of the facility.

ARTICLE IV. TRACT DEVELOPMENT WITHOUT PLATTING

SECTION 1. GENERAL INFORMATION

- A. Any tract development that does not involve the filing of a subdivision plat shall comply with these provisions of these rules.

SECTION 2. PROCEDURE

- A. Fourteen (14) days prior to the regularly scheduled Board Meeting of the District at which approval is desired, the Applicant shall submit to the District in hard copy as well as one (1) copy in electronic format the following:
 - 1. Three (3) copies of completed District Application Form (blank forms furnished by the District).
 - 2. Three (3) copies of engineering site plan drawings providing details of drainage from the project site. Site plan shall include elevations and/or contours, drainage areas, and all proposed surface and subsurface improvements. Drawings shall include the survey name and abstract number, and physical location.
 - 3. Application Processing Fee.
- B. The District and its Engineer shall review the submitted materials.

SECTION 3. REQUIREMENTS

- A. The drainage runoff from the tract shall be directed to an existing public right-of-way or an existing drainage easement. If the District determines that the tract being developed does not have access to an existing public right-of-way or an existing drainage easement, the District may consider approval of a drainage plan based on replication of existing sheet flow drainage conditions with the following conditions:
 - 1. The peak runoff rates for the developed conditions for the design storms listed in these rules shall not exceed the peak runoff rates for existing conditions.
 - 2. The applicant shall provide the District with written documentation regarding the efforts to secure drainage easements to an existing public right-of-way or an existing drainage easement, concurrently with its application.
 - 3. The applicant shall secure written consent for the sheet flow drainage from the adjacent downstream property owner.
 - 4. At such time as a drainage easement becomes available, the applicant shall abandon the sheet flow drainage and tie the drainage from the property into said drainage easement.
 - 5. The applicant's Texas Registered Professional Engineer shall provide a certification in a form acceptable to the District stating that the sheet flow drainage from the tract shall not exceed the existing sheet flow conditions and that the sheet flow drainage from the property will not adversely impact adjacent and downstream property owners.
 - 6. The applicant shall provide the District, on or before the anniversary date of the permit approval, with an Annual Inspection Certificate prepared by a Texas Registered Professional Engineer stating that the permitted drainage facilities conform to the plans and specifications contained in the approved permit.

7. The applicant shall enter into an agreement with the District, in a form acceptable to the District, reflecting the above conditions which shall state the covenants and restrictions running with the property for the purpose of insuring the proper storm water drainage and detention.
- B. Detention facilities shall be accordance with the requirements of Article VI. The District may approve alternate detention facilities in lieu of conventional detention basins on a case-by-case basis. Any alternate detention facility shall meet the same requirements for peak runoff release rates.
- C. Drainage calculations shall include any off-site storm water runoff that currently impacts the tract. Calculations shall include the discharge flow rates for existing and proposed conditions based on the 2-year, 10-year, 25-year, and 100-year storm. Increases in storm water runoff shall be detained unless District's states capacity in receiving stream is available. Design criteria shall comply with the District's Master Drainage Plan, now existing or hereafter adopted. Calculations for any detention facility shall include the maximum release rates and maximum water surface elevations for the facility for each of the above storm events.
- D. The Applicant shall provide the District with two (2) business days notice prior the start of construction of tract development.
- E. The Applicant shall pay for all materials and labor related to the proposed work.
- F. If proposed work requires enlargement or modification to an existing District facility, all work must comply with the District's Master Drainage Plan, now existing or hereafter adopted.
- G. The Applicant shall provide Record Drawings, both in hard copy form and in an electronic format acceptable to the District, of the construction, along with the engineer's certification that the construction was in accordance with the approved Permit.
- H. The applicant shall into an agreement with the District, in a form acceptable to the District, providing for the maintenance and operation of any detention facilities which shall state the covenants and restrictions running with the property for the purpose of ensuring proper storm water drainage and detention.

SECTION 4. BOND

- A. The Applicant shall provide to the District a bond, cash, or irrevocable letter of credit, in an amount equal to the proposed drainage improvements and as approved by the District, prior to the approval of this Permit. The bond or irrevocable letter of credit must be made payable to the District, and shall be on a form acceptable to the District. Cash may be in the form of a certificate of deposit to be placed with the District. The bond or irrevocable letter of credit shall be in force for a period not less than one (1) year from the date from the approval of this Permit. The District shall release bond, cash, or irrevocable letter of credit after an inspection of the construction site is made by the District after one (1) year from date of the approval of this Permit, and the District is satisfied that the site has been restored to acceptable conditions.

SECTION 5. FEES

- A. Application Processing Fee - Four hundred dollars (\$400.00), payable by cash or check, submitted with the District Application Form.
- B. In addition to the Application Processing Fee, the Applicant shall be required to pay an Inspection Fee for District costs related to reviewing the construction in order to verify that the improvements have been constructed in accordance with the District's approval. The fee shall be based on the construction costs provided by the Applicant's Engineer and approved by the District based on the following schedule:
 - 1. For projects with construction costs of drainage improvements estimated to be less than \$10,000, the fee shall be two hundred dollars (\$200.00).
 - 2. For projects with construction costs of drainage improvements estimated to be at least \$10,000, but less than \$50,000, the fee shall be one percent (1%) of the construction costs, but shall never be less than two hundred fifty dollars (\$250.00).
 - 3. For projects with construction costs of drainage improvements estimated to be at least \$50,000, the fee shall be one-half of one percent (0.5%) of the construction costs.

SECTION 6. DRAINAGE DESIGN PROCEDURES

A. GENERAL INFORMATION

- 1. The following procedures are intended to ensure that new development will not cause any adverse impacts on adjacent property and/or existing drainage facilities.
- 2. Design engineers should contact the District for any specific requirements for the watershed in which the proposed facility is to be located.

B. For Drainage Acres Less than 300 Acres

- 1. Rational Formula shall be used to calculate peak runoff rates. Texas Department of Transportation Rainfall/Intensity Curves shall be used to compute rainfall intensities.
- 2. The Small Watershed Method for development of hydrographs (H.R. Malcolm, A Study of Detention in Urban Stormwater Management Report No. 156 Water Resource Research Institute of the University of North Carolina) shall be used to compute runoff hydrographs for both existing and development conditions.
- 3. Detention volume calculations shall include routing of developed conditions hydrographs through detention facility.
- 4. The above calculations shall be provided for the 2-year, 10-year, 25-year, and 100-year storm events.

C. For Drainage Acres Greater than 300 Acres.

1. Peak discharges may be computed from District Area Discharge Curves, or utilizing the Small Watershed Method.
2. For very large watersheds (1 square mile or more), the District should be contacted to discuss appropriate methodology drainage calculations.

D. Exceptions

1. A single family residential structure being constructed on an existing platted lot in a recorded subdivision is exempt from these Rules and Regulations.
2. The required detention storage volume for small developments (less than five (5) acres for non-single family residential or less than ten (10) acres for single-family residential may be computed by the following formula:

$$\text{Storage Volume (ac-ft)} = 0.65 \times \text{Developed Area (ac)}$$

The Developed Area is defined as the only that area being developed at the time the permit application is submitted. The area of the detention basin shall be included in the Developed Area.

E. Exceptions Within the Corporate Limits of the City of Brookshire

1. A site where (1) all impervious area does not exceed ten (10) percent of the total land area, and (2) a deed restriction is placed on the property which prohibits subdividing the property and prohibits adding any additional impervious area without written approval of the District is exempt from these Rules and Regulations.
2. A home on a lot (but not an outlot) in the Brookshire or Kellner Townsites is exempt from these Rules and Regulations.
3. A manufactured home that will occupy space in a previously approved manufactured home park is exempt from these Rules and Regulations.

ARTICLE V. TRACT DEVELOPMENT WITH PLATTING

SECTION 1. GENERAL INFORMATION

- A. It is suggested that each owner or subdivider of land first confer with the District, before preparing the preliminary plat of the proposed subdivision, to secure a copy of the District's Rules and Regulations governing development within the District, and to become familiar with the District Master Drainage Plan, now existing or hereafter adopted.
- B. The subdivider or developer shall be required to install, at his own expense, all drainage facilities and structures in accordance with the District's standards and specifications governing same, including all engineering costs covering design, layout, and construction supervision. Preliminary plans and layouts for all drainage facilities shall be submitted by the subdivider or developer to the District for study by the District Engineer along with the submission of the preliminary plat of the subdivision. Final construction plans shall be submitted by the subdivider or developer at the time of filing the final plat with the District in the same number of copies as required of the subdivision plat.
- C. There will be no participation by the District in the cost of any drainage facilities within the subdivision.

SECTION 2. PROCEDURE FOR PRELIMINARY PLAT APPROVAL

- A. Four (4) copies, or prints, of the preliminary plat of any proposed subdivision and four (4) copies of completed District Application Form, along with one (1) copy in electronic format, shall be submitted to the District for approval before the preparation of the final plat. Such preliminary plat shall be filed in the office of the District at least fourteen (14) days prior to the regular meeting of the Board at which approval is requested. The District and its Engineer shall review the submitted materials.
- B. Preliminary plat shall conform to the requirements of the governmental entity having jurisdiction over platting, i.e. Waller County, City of Brookshire, City of Katy, City of Pattison, or City of Houston. The District shall not supersede the platting requirements of these entities, except with respect to drainage as it comes under the jurisdiction of the District.
- C. Preliminary plat shall be accompanied by a preliminary plan for both on-site and offsite drainage.
- D. The preliminary plat submitted for approval shall include all of the owner's or subdivider's entire holding or ultimate subdivision, including both on-site and off-site drainage.
- E. Subdivider or developer agrees that the approval of the preliminary plat by the District does not constitute official acceptance of the proposed subdivision by the District, but does constitute an authorization to begin and proceed with the preparation of the final subdivision plat and final construction plans. There shall be no work in the field on the proposed subdivision until the final plat has been approved and accepted by official actions of the District, and the instrument recorded in the office of the County Clerk.
- F. Approval of the preliminary plat expires at the expiration of a period of six (6) months, unless the final plat has been submitted for approval.

SECTION 3. PROCEDURE OF APPROVAL OF FINAL PLAT

- A. After the approval by the District of the preliminary plat, a final plat shall be prepared and submitted to the District for approval and subsequent recording in the office of the county clerk. Four (4) prints of this final plat and four (4) copies of the completed District Application Form, along with one (1) copy in electronic format, shall be submitted to the District at least fourteen (14) days prior to the regular meeting of the Board at which approval is requested. The District and its Engineer shall review the submitted materials.

- B. Final plat shall conform to the requirements of the governmental entity having jurisdiction over platting, i.e. Waller County, City of Brookshire, City of Katy, City of Pattison, or City of Houston. The District shall not supersede the platting requirements of these entities, except with respect to drainage as it comes under the jurisdiction of the District.
- C. Final plat shall be accompanied by proposed construction plans for both on-site and off-site drainage improvements. Plans shall include both plan and profile drawings.
- D. The plat shall bear a properly executed dedication of all easements and easement rights-of-way intended for drainage use by the District, such dedicatory instrument to be signed by the owner or owners, and by all other persons or parties having an interest or having a mortgage or lien interest in the property.
- E. Before final approval of the plat by the District, there shall be filed with the District the following:
 - 1. A title opinion from a title company licensed to do business in the State of Texas, or licensed attorney in the State of Texas, addressed to the District stating the ownership of the property, as well as all others having an interest in, mortgage or lien interest in the property, along with all exceptions to title.
 - 2. Tax certificates from all taxing entities stating that all current taxes have been paid.
 - 3. A certificate by the owner or owners of the subdivision proposed certifying that he will ensure the completion of all improvements required by the District in accordance with the District's standards and specifications.
- F. Final plat shall contain proper signature blanks for certificate of approval to be filled out by the District and the District's Engineer.
- G. After approval of the plat by the District, two (2) blue-line prints and one reproducible mylar film positive shall be furnished to the District. A complete set of final construction plans shall also be provided to the District. Upon completion of construction, a copy of the final plat with all recording information and a copy of the Record Drawings, both in hard copy form and in an electronic format acceptable to the District, shall be provided to the District, along with the engineer's certification that the construction was in accordance with approved plans and application.
- H. Approval of the plat shall expire if the subdivision is not filed for record with the County Clerk within a twelve (12) month period from the date of final approval.

SECTION 4. REQUIREMENTS

- A. The drainage runoff from the tract shall be directed to an existing public right-of-way or an existing drainage easement.
- B. Detention facilities shall be in accordance with the requirements of Article VI. The District may approve alternate detention facilities in lieu of conventional detention basins on a case-by-case basis. Any alternate detention facility shall meet the same requirements for peak runoff release rates.
- C. Drainage calculations shall include any off-site storm water runoff that currently impacts the tract. Calculations shall include the discharge flow rates for existing and proposed conditions based on the 2-year, 10-year, 25-year, and 100-year storm. Increases in storm water runoff shall be detained unless District's states capacity in receiving stream is available. Design criteria shall comply with the District's Master Drainage Plan, now existing or hereafter adopted. Calculations for any detention facility shall include the maximum release rates and maximum water surface elevations for the facility for each of the above storm events
- D. The Applicant shall provide the District with two (2) business days notice prior the start of construction of tract development.
- E. The Applicant shall pay for all materials and labor related to the proposed work.
- F. If proposed work requires enlargement or modification to an existing District facility, all work must comply with the District's Master Drainage Plan, now existing or hereafter adopted.

SECTION 5. BOND

- A. The Applicant shall provide to the District a bond, cash, or irrevocable letter of credit, in an amount equal to the proposed drainage improvements and as approved by the District, prior to the approval of this Permit. The bond or irrevocable letter of credit must be made payable to the District, and shall be on a form acceptable to the District. Cash may be in the form of a certificate of deposit to be placed with the District. The bond or letter of credit shall be in force for a period not less than one (1) year from the date from the approval of this Permit. The District shall release bond, cash, or letter of credit after an inspection of the construction site is made by the District after one (1) year from date of the approval of this Permit, and the District is satisfied that the site and development complies with the terms of the permit.
- B. If the Applicant is providing a bond, cash, or irrevocable letter of credit to another governmental entity having jurisdiction in the area, the Applicant may substitute these bonds for the requirements of this section.

SECTION 6. FEES

- A. Preliminary Plat
 - 1. Application Processing Fee - A three hundred dollar (\$300.00) base fee, plus one dollar (\$1.00) per residential lot and five dollars (\$5.00) per acre for all reserves, payable by cash or check, submitted with the District Application Form (blank forms furnished by the District).

B. Final Plat

1. Application Processing Fee - A four hundred dollar (\$400.00) base fee, plus two dollars (\$2.00) per residential lot and ten dollars (\$10.00) per acre for all reserves, payable by cash or check, submitted with the District Application Form (blank forms furnished by the District).
2. In addition to the Application Processing Fee, the Applicant shall be required to pay an Inspection Fee for District costs related to reviewing the construction in order to verify that the improvements have been constructed in accordance with the District's approval. The fee shall be based on the construction costs provided by the Applicant's Engineer and approved by the District based on the following schedule:
 1. For projects with construction costs of drainage improvements estimated to be less than \$10,000, the fee shall be two hundred dollars (\$200.00).
 2. For projects with construction costs of drainage improvements estimated to be at least \$10,000. but less than \$50,000, the fee shall be one percent (1%) of the construction costs, but shall never be less than two hundred fifty dollars (\$250.00).
 3. For projects with construction costs of drainage improvements estimated to be at least \$50,000, the fee shall be one-half of one percent (0.5%) of the construction costs.

SECTION 7. DRAINAGE DESIGN PROCEDURES

A. GENERAL INFORMATION

1. The following procedures are intended to ensure that new development will not cause any adverse impacts on adjacent property and/or existing drainage.
2. Design engineers should contact the District for any specific requirements for the watershed in which the proposed facility is to be located.

B. For Drainage Acres Less than 300 Acres

1. Rational Formula shall be used to calculate peak runoff rates. Fort Bend County Drainage District Rainfall/Intensity Curves may be used to compute rainfall intensities.
2. The Small Watershed Method for development of hydrographs (HR. Malcolm, A Study of Detention in Urban Stormwater Management, Report No. 156 Water Resource Research Institute of the University of North Carolina) shall be used to compute runoff hydrographs for both existing and development conditions.
3. Detention volume calculations shall include routing of developed conditions hydrographs through detention facility.
4. The above calculations shall be provided for the 2-year, 10-year, 25-year, and 100-year storm events.

C. For Drainage Acres Greater than 300 Acres.

1. Peak discharges may be computed from District Area Discharge Curves, or utilizing the Small Watershed Method.

D. For very large watersheds (1 square mile or more), the District should be contacted to discuss appropriate methodology drainage calculations.

E. Exceptions

1. The required detention storage volume for small developments (less than five (5) acres for non-single family residential or less than ten (10) acres for single-family residential may be computed by the following formula:

$$\text{Storage Volume (ac-ft)} = 0.65 \times \text{Developed Area (ac)}$$

The Developed Area is defined as the only that area being developed at the time the permit application is submitted. The area of the detention basin shall be included in the Developed Area.

ARTICLE VI. DETENTION POND REQUIREMENTS

SECTION 1. GENERAL REQUIREMENTS

- A. The time of concentration within the detention basin shall be set at zero (0) minutes, allowing the routing calculations through the detention basin to control the overall site time of concentration. Also, the total impervious area within a development shall include the area of the detention basin as impervious area.
- B. Drainage runoff from a tract shall be directed to an existing public right-of-way or an existing drainage easement.
- C. Detention Basin Criteria
 - 1. All detention basins shall have a maintenance berm clear and free of all other easements or encroachments, except as noted below, in accordance with the following guidelines for all detention basins serving a single property owner:

Depth (ft)	Side Slope (h:v)	Berm Width (ft)
<3.0	3:1	10
	4:1	10
3.1 – 6.0	3:1	15
	4:1	15
6.1 – 9.0	3:1	20
	4:1	15
>9.0	3:1	30
	4:1	20

Concrete paved parking and driveway areas may share areas of the maintenance berm for detention basins serving a single property owner and user.

- 2. All detention basins either owned and/or operated by a public entity or quasi-public (i.e., property owners association) entity and serving two or more property owners shall have a maintenance berm clear and free of all other easements or encroachments, except as noted below, in accordance with the following guidelines:

Depth (ft)	Side Slope (h:v)	Berm Width (ft)
<3.0	3:1	20
	4:1	15
3.1 – 6.0	3:1	20
	4:1	20
6.1 – 9.0	3:1	30
	4:1	20
>9.0	3:1	30
	4:1	30

With a separate agreement between the District and another public entity, the maintenance berm can be under a shared use by both entities.

3. Dry bottom detention basins shall also meet the following criteria:
 - a. Inlet and outlet structures shall have erosion control measures approved by the City and the District.
 - b. A concrete pilot channel shall be constructed in the bottom of the basin with a minimum slope of 0.10%.
 - c. The bottom of the basin shall slope to the pilot channel with a minimum side slope of 1.0%
 - d. Basin side slopes shall be in accordance with Paragraph C.1 or C.2 above.
 - e. The detention basin shall have an emergency spillway, which shall be designed to pass the 100-year release rate within the limits of the detention basins freeboard.
 - f. The detention basin shall be designed with six inches (6") of freeboard above the maximum water surface elevation.

4. Wet bottom detention basins shall also meet the following criteria:
 - a. Inlet structures shall be completely below the normal water surface elevation of the basins. Inlet and outlet structures shall have erosion control measures approved by the City and the District.
 - b. Side slopes below the normal water surface elevation basin shall be a minimum of 3:1 (H:V).
 - c. Side slopes between the top bank and the normal pool elevation may be increased to a minimum of 6:1 (H:V) to reduce the berm width outside the top bank to 15 feet for basins under Paragraph C.1 or C.2 above.
 - d. The detention basin shall have an emergency spillway, which shall be designed to pass the 100-year release rate within the limits of the detention basins freeboard.
 - e. The detention basin shall be designed with six inches (6") of freeboard above the maximum water surface elevation.

5. Detention basins may be constructed with side slopes less than 3:1 (H:V) under the following conditions:
 - a. The property shall be owned and occupied by the same person and business.
 - b. Minimum maintenance berm width shall be 10 feet for basins with a depth less than or equal to 6 feet, and 15 feet for basins with a depth greater than 6 feet.
 - c. Detention basin shall be secured with a chain link fence and locked gate. Fence shall be at least six (6) feet in height with three (3) strands of intruder wire above top of fence. Fence and gate shall be kept in good condition.
 - d. Detention basin walls shall not be earthen, but shall be permanent walls constructed of concrete or masonry materials, or other materials approved by the District. The permit application shall be accompanied by a geotechnical report signed and sealed by a Registered Engineer licensed in the State of Texas certifying to the stability of the basin walls.

6. Pumped detention may be approved under the following conditions:
 - a. Redundant capacity shall be built within the pump station, i.e., the station capacity shall be met with largest pump out of service.
 - b. The detention basin shall have an emergency spillway, which shall be designed to pass the 100-year release rate within the limits of the detention basins freeboard.
 - c. Emergency power to the pump station is not required.
7. The detention basin shall be designed with six inches (6") of freeboard above the maximum water surface elevation.
8. Any surface drainage directed to the basin shall be collected by a backswale channel or other District approved structure to prevent overbank flow.

SECTION 2. OWNERSHIP AND MAINTENANCE RESPONSIBILITIES

- A. The District shall not be responsible for the operation and maintenance of any detention basin, unless specifically approved by the District.
- B. The Applicant and/or Owner, or heirs and assigns, shall be responsible for the operation and maintenance of the detention basin.
- C. The District shall be provided with a copy of the legal documents for the creation of any quasi-public entity responsible for the operation and maintenance of a detention basin. The District shall also be provided with a copy of a projected expense and revenue budget for adequate maintenance of the detention basin.
- D. The Owner of any detention basin, not specifically approved by the District as being maintained by the District, shall execute an agreement for the maintenance and operation of the detention basin in a form acceptable to the District. The agreement shall obligate the Owner, heirs and assigns, to maintain the detention basin in compliance with the approved permit and plans.

ARTICLE VII. COLLECTION OF FEES

SECTION 1. Should costs expended by the District exceed the fee collected for the processing of any application and the review of any construction work associated with any application governed by these Rules and Regulations, the District will bill the Applicant for the additional costs, said costs shall be paid within thirty (30) days of presentation. If not paid, said costs shall bear maximum interest allowable under the law. If the District employs an attorney to collect the same, the District shall be entitled to reasonable attorney fees and all costs of court to enforce these Rules and Regulations.

ARTICLE VIII. PENALTY AND ATTORNEY'S FEES

SECTION 1. Any person violating any of the provisions of the Rules and Regulations shall be guilty of a misdemeanor and shall be fined not more than \$5,000.00 upon conviction of such violation; provided however if such person convicted of an offense under these Rules and Regulations which offense is also a violation of the penal laws of the State of Texas, such person shall be subject to the penalties set out in the penal laws of the State for the offense.

SECTION 2. Any person violating any of the provisions of these Rules and Regulations shall pay all reasonable and necessary attorney fees, expert witnesses fees, interest, costs of the Court, and shall be subject to suit to enjoin violation of these Rules and Regulations.

SECTION 3. The provisions, powers, and penalties of the Water Code, including Section 49.004, and Government Code, including Section 27.031 are incorporated herein by reference.

SECTION 4. Further, any person, firm, or corporation violating any of the provisions of these Rules and Regulations shall be fined for each offense; and a separate offense shall be deemed committed on each day during, on, or which a violation occurs or continues. Any violation of these Rules and Regulations and penal laws of the State of Texas, may be enforced as allowed by law, including vacation of plats, permit forfeiture or injunctive relief.

ARTICLE IX. SEVERABILITY

SECTION 1. If any provision, section, subsection, sentence, clause, phrase of these Rules or Regulations, or the application of same to any person or set of circumstances is for any reason held to be unconstitutional, void or invalid, the validity of the remaining portions of these Rules and Regulations or their application to other persons or sets of circumstances shall not be affected thereby, it being the intent of the Board of Supervisors in adopting these Rules and Regulations, that no portion or provision or regulation contained herein shall become inoperative or fail by reason of any unconstitutionality of any other portion hereof and all provisions of these Rules and Regulations are declared to be severable for that purpose.

ARTICLE X REPEAL

SECTION 1. These Rules and Regulations shall take effect from and after the date of its passage, and all Rules and Regulations or portion of Rules and Regulations heretofore passed in conflict with the terms hereof are specifically repealed.

ARTICLE XI POSTING AND PUBLISHING

The Secretary is instructed to post and publish notice of these Rules and Regulations as required by law.

PASSED AND APPROVED this ____ day of _____, 2007.

By J.R. Dollins III
President
Board of Supervisors

ATTEST:

Ruth Ellis
Secretary

AYE NAY

J.R. Dollins, III – President	_____	_____
Jim Griffin - Vice President	_____	_____
Ruth Ellis- Secretary	_____	_____
Donna Schmidt — Supervisor	_____	_____
David Hunsucker — Supervisor	_____	_____

District Seal

State of Texas §
County of Waller §

Before me, Sharon Newman White, a Notary Public, on this day personally appeared the Brookshire-Katy Drainage District Board of Supervisors, known to me to be the persons whose names are subscribed to the foregoing instrument and acknowledged to me that they executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this _____ day of _____, 2007

Seal

Sharon White
Notary Public, State of Texas
My commission expires:

**BROOKSHIRE-KATY DRAINAGE DISTRICT
PERMIT APPLICATION FORM**

UTILITY, PIPELINE, OR CABLE CROSSING

PERMIT NO. _____ DATE: _____

APPLICANT _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____ PHONE _____

STREAM OR DITCH DESIGNATION _____

SURVEY _____ ABSTRACT _____ COUNTY _____

LOCATION _____

DESCRIPTION OF PROPOSED CONSTRUCTION _____

TYPE OF UTILITY _____ MATERIAL BEING HANDLED _____

SIZE _____ OPERATING PRESSURE _____ WALL THICKNESS _____

TYPE OF JOINTS _____ METHOD OF CONSTRUCTION _____

START DATE FOR CONSTRUCTION _____

PROJECTED COMPLETION DATE _____

BOND, CASH, OR LETTER OF CREDIT _____ AMOUNT _____

COMMENTS _____

SUBMITTED BY _____

SIGNATURE _____ DATE _____

APPROVAL SUBJECT TO ANY AND ALL REQUIREMENTS, SPECIFICATIONS, AND/OR CHANGES ATTACHED HERETO. STANDARD CREEK CROSSING DETAIL ATTACHED.

APPROVAL CONDITIONS _____

APPROVED BY DISTRICT ENGINEER DATE _____

BROOKSHIRE-KATY DRAINAGE DISTRICT DATE _____

APPLICANT SHALL REIMBURSE DISTRICT FOR ENGINEERING COSTS INCURRED DURING REVIEW OF APPLICATION AND CONSTRUCTION. SAID AMOUNT SHALL BE PAID WITHIN THIRTY (30) DAYS OF PRESENTATION; IF NOT PAID, SAID COSTS SHALL BEAR MAXIMUM ALLOWABLE INTEREST APPLICABLE UNDER THE LAW. IF DISTRICT EMPLOYS AN ATTORNEY TO COLLECT THE SAME, DISTRICT SHALL BE ENTITLED TO REASONABLE ATTORNEY FEES AND ALL COSTS OF COURT OCCASIONED BY SUCH EVENT.

**BROOKSHIRE-KATY DRAINAGE DISTRICT
PERMIT APPLICATION FORM**

TRACT DEVELOPMENT WITHOUT PLATTING

PERMIT NO. _____ DATE: _____

APPLICANT _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____ PHONE _____

STREAM OR DITCH DESIGNATION _____

SURVEY _____ ABSTRACT _____ COUNTY _____

LOCATION _____

DESCRIPTION OF PROPOSED CONSTRUCTION _____

EXISTING CONDITIONS RUNOFF _____ cfs (2-YR) _____ cfs (10-YR) _____ cfs (25-YR) _____ cfs (100-YR)

PROPOSED CONDITIONS RUNOFF _____ cfs (2-YR) _____ cfs (10-YR) _____ cfs (25-YR) _____ cfs (100-YR)

SITE AREA _____ (AC) DETENTION VOLUME REQUIRED _____ (AC-FT)

COMMENTS _____

SUBMITTED BY _____

SIGNATURE _____ DATE _____

APPROVAL SUBJECT TO ANY AND ALL REQUIREMENTS, SPECIFICATIONS, AND/OR CHANGES ATTACHED HERETO.

APPROVAL CONDITIONS _____

APPROVED BY DISTRICT ENGINEER DATE _____

BROOKSHIRE-KATY DRAINAGE DISTRICT DATE _____

APPLICANT SHALL REIMBURSE DISTRICT FOR ENGINEERING COSTS INCURRED DURING REVIEW OF APPLICATION AND CONSTRUCTION. SAID AMOUNT SHALL BE PAID WITHIN THIRTY (30) DAYS OF PRESENTATION; IF NOT PAID, SAID COSTS SHALL BEAR MAXIMUM ALLOWABLE INTEREST APPLICABLE UNDER THE LAW. IF DISTRICT EMPLOYS AN ATTORNEY TO COLLECT THE SAME, DISTRICT SHALL BE ENTITLED TO REASONABLE ATTORNEY FEES AND ALL COSTS OF COURT OCCASIONED BY SUCH EVENT.

**BROOKSHIRE-KATY DRAINAGE DISTRICT
PERMIT APPLICATION FORM**

PRIVATE AND PUBLIC CROSSINGS

PERMIT NO. _____ DATE: _____

APPLICANT _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____ PHONE _____

STREAM OR DITCH DESIGNATION _____

SURVEY _____ ABSTRACT _____ COUNTY _____

LOCATION _____

DESCRIPTION OF PROPOSED CONSTRUCTION _____

CULVERT SIZE _____ # OF BARRELS _____ MATERIAL _____

COMMENTS _____

SUBMITTED BY _____

SIGNATURE _____ DATE _____

APPROVAL SUBJECT TO ANY AND ALL REQUIREMENTS, SPECIFICATIONS, AND/OR CHANGES ATTACHED HERETO.

APPROVAL CONDITIONS _____

APPROVED BY DISTRICT ENGINEER DATE _____

BROOKSHIRE-KATY DRAINAGE DISTRICT DATE _____

APPLICANT SHALL REIMBURSE DISTRICT FOR ENGINEERING COSTS INCURRED DURING REVIEW OF APPLICATION AND CONSTRUCTION. SAID AMOUNT SHALL BE PAID WITHIN THIRTY (30) DAYS OF PRESENTATION; IF NOT PAID, SAID COSTS SHALL BEAR MAXIMUM ALLOWABLE INTEREST APPLICABLE UNDER THE LAW. IF DISTRICT EMPLOYS AN ATTORNEY TO COLLECT THE SAME, DISTRICT SHALL BE ENTITLED TO REASONABLE ATTORNEY FEES AND ALL COSTS OF COURT OCCASIONED BY SUCH EVENT.

**BROOKSHIRE-KATY DRAINAGE DISTRICT
PERMIT APPLICATION FORM**

DRAINAGE CONNECTIONS WITHOUT LAND USE CHANGES

PERMIT NO. _____ DATE: _____

APPLICANT _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____ PHONE _____

STREAM OR DITCH DESIGNATION _____

SURVEY _____ ABSTRACT _____ COUNTY _____

LOCATION _____

DESCRIPTION OF PROPOSED CONSTRUCTION _____

CULVERT SIZE _____ # OF BARRELS _____ MATERIAL _____

COMMENTS _____

SUBMITTED BY _____

SIGNATURE _____ DATE _____

APPROVAL SUBJECT TO ANY AND ALL REQUIREMENTS, SPECIFICATIONS, AND/OR CHANGES ATTACHED HERETO.

APPROVAL CONDITIONS _____

APPROVED BY DISTRICT ENGINEER

DATE _____

BROOKSHIRE-KATY DRAINAGE DISTRICT

DATE _____

APPLICANT SHALL REIMBURSE DISTRICT FOR ENGINEERING COSTS INCURRED DURING REVIEW OF APPLICATION AND CONSTRUCTION. SAID AMOUNT SHALL BE PAID WITHIN THIRTY (30) DAYS OF PRESENTATION; IF NOT PAID, SAID COSTS SHALL BEAR MAXIMUM ALLOWABLE INTEREST APPLICABLE UNDER THE LAW. IF DISTRICT EMPLOYS AN ATTORNEY TO COLLECT THE SAME, DISTRICT SHALL BE ENTITLED TO REASONABLE ATTORNEY FEES AND ALL COSTS OF COURT OCCASIONED BY SUCH EVENT.

**BROOKSHIRE-KATY DRAINAGE DISTRICT
PERMIT APPLICATION FORM**

TRACT DEVELOPMENT WITH PLATTING

DEVELOPMENT NAME _____ PERMIT NO. _____

PRELIMINARY/FINAL _____ DATE: _____

APPLICANT _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____ PHONE _____

STREAM OR DITCH DESIGNATION _____

SURVEY _____ ABSTRACT _____ COUNTY _____

LOCATION _____

DESCRIPTION OF PROPOSED CONSTRUCTION _____

EXISTING CONDITIONS RUNOFF _____ cfs (2-YR) _____ cfs (10-YR) _____ cfs (25-YR) _____ cfs (100-YR)

PROPOSED CONDITIONS RUNOFF _____ cfs (2-YR) _____ cfs (10-YR) _____ cfs (25-YR) _____ cfs (100-YR)

SITE AREA _____ (AC) DETENTION VOLUME REQUIRED _____ (AC-FT)

COMMENTS _____

SUBMITTED BY _____

SIGNATURE _____ DATE _____

APPROVAL SUBJECT TO ANY AND ALL REQUIREMENTS, SPECIFICATIONS, AND/OR CHANGES ATTACHED HERETO.

APPROVAL CONDITIONS _____

APPROVED BY DISTRICT ENGINEER DATE _____

BROOKSHIRE-KATY DRAINAGE DISTRICT DATE _____

APPLICANT SHALL REIMBURSE DISTRICT FOR ENGINEERING COSTS INCURRED DURING REVIEW OF APPLICATION AND CONSTRUCTION. SAID AMOUNT SHALL BE PAID WITHIN THIRTY (30) DAYS OF PRESENTATION; IF NOT PAID, SAID COSTS SHALL BEAR MAXIMUM ALLOWABLE INTEREST APPLICABLE UNDER THE LAW. IF DISTRICT EMPLOYS AN ATTORNEY TO COLLECT THE SAME, DISTRICT SHALL BE ENTITLED TO REASONABLE ATTORNEY FEES AND ALL COSTS OF COURT OCCASIONED BY SUCH EVENT.