



**ANGLETON DRAINAGE DISTRICT**  
**Standard Specification:**

**Subsurface Facility Installation Depth Requirements**

**Revision Control**

Revision Number	Date	Author
1.0 – Approved for use	01/10/2017	District Engineer



A handwritten signature in black ink, appearing to read "D. B. Roesler", written over a horizontal line.

1-10-17

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1.0 Scope and Discussion

1.1 This specification shall govern the depth requirements of the installation of subsurface facilities below the premises of the Angleton Drainage District.

**2.0 Subsurface Facility Installation Depth Requirements**

2.1 Minimum depth of installed facility **below the riverine levee protection system** is 50 feet below natural ground at levee. Permittee shall provide detailed plans and specifications to the Angleton Drainage District for approval. Permittee shall address as a minimum, issues noted in the District's specification – Horizontal Directional Drilling. The Brazos River Levee Protection Levee System consists of:

- a. The Riverine Protection Levee (the levee).
- b. Inside Protection Levee Ditch.
- c. Outside Protection Levee Ditch

2.2 Minimum depth of installed facility **below a Major channel** (Bastrop, Austin and Flores Bayous) is 20 feet below the flow line of channel. Permittee shall provide detailed plans and specifications to the Angleton Drainage District for approval. The Major Channels consist of:

- |                  |  |
|------------------|--|
| a. Austin Bayou  | f. A Ditch (Lower)                         |
| b. Bastrop Bayou | g. D Ditch (Lower)                         |
| c. Brushy Bayou  | h. 7 Ditch (Lower, South of Phillips Road) |
| d. Flores Bayou  | i. 10 Ditch (South of 288 Freeway)         |
| e. Rancho Ditch  | j. 22 Ditch                                |

2.3 Minimum depth of installed facility **below a Minor channel/ditch** is 10 feet below the flow line of channel/ditch. Permittee shall provide detailed plans and specifications to the Angleton Drainage District for approval. Minor channels are all channels, or portions of channels not listed above under the Riverine Protection Levee System or Major Channels.

**3.0 General**

3.1 Permit has minimum requirements governing installation of subsurface facilities below Angleton Drainage District premises.

3.1 All detailed plans and specifications must bear the seal of a Licensed Professional Engineer – Texas (LPE-T).

**END OF SPECIFICATION**