

Matagorda County Conservation and Reclamation  
District Number One

P.O. Box 413  
Markham, Texas 77456  
(979) 241-8392

Board of Commissioners  
Dwight Vavra  
Willie Younger  
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MATAGORDA COUNTY CONSERVATION AND RECLAMATION DISTRICT NO. 1

**COLORADO RIVER LEVEE**

COLORADO RIVER LEVEE CROSSING APPLICATION FOR ROADS,  
FENCES, GATES, UTILITIES AND OTHER MISCELLANEOUS ITEMS

Your response to the questions below will help the Conservation and Reclamation District No. 1 (C&R Board) decide if the integrity of the levee will be affected. The C&R Board maintains a 15-foot easement at the bottom of the levee. Items that penetrate the levee could potentially cause the levee to fail. Special care and engineering judgement must be used when determining when and where roads, fences, and other inanimate objects may be located near or over the levee.

Please respond to the following questions:

1. Applicant's Name: \_\_\_\_\_
2. Applicant's Address: \_\_\_\_\_
3. Applicant's Email: \_\_\_\_\_
4. Applicant's Phone No.: (Work) \_\_\_\_\_ (Cell) \_\_\_\_\_
5. Applicant's Engineer Information (if Engineer is hired):  
\_\_\_\_\_  
\_\_\_\_\_
6. Location of Crossing: (Latitude) \_\_\_\_\_ (Longitude) \_\_\_\_\_
7. What structure(s), utilities or road would you like to install within the 15-foot easement or on the levee? Please provide as detailed a description as possible, including size of object and material. (Examples include but are not limited to fence post, utility pole, gates, tree, road material, road width, etc.)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. Where would the proposed structure or road be installed? Please provide as specific a location as possible. Give property address and distance from bottom of levee. (Example: approximately 5-feet from the bottom of the levee behind my house or location of road.) Also, a drawing showing the proposed structure or road and exact location would be helpful for the C&R Board.

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9. Will the structure be temporary or permanent?  Temporary  Permanent

If temporary, what are your plans when you remove the item?

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If permanent, will it need to be replaced?  Yes  No

If the structure will be replaced, please indicate when the replacement will occur.

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10. No high pressure pipeline will be allowed to cross over the levee. The maximum diameter pipeline allowed to be placed on top of the levee is 24-inches.

11. A permit fee is required to offset the cost of review by the C&R District Engineer. Fee structure is as follows:

A.	Pipeline Crossing	\$2,500.00
B.	Road Crossing	\$2,500.00
C.	Fence Crossing	No fee, but applicant must install a gate (min. 10' wide) at the top of the levee for C&R Access. All fence replacements must install a gate during replacement.

12. All levee crossing shall comply with one of the options indicated in Exhibits "B", "C", "D", "E", or "F".

Thank you for your time. The C&R District's attorney and/or Board member, along with possibly an Engineer, will review this form and will contact you with any questions. The C&R Board will review your application and inform you once you are approved to proceed. You must have approval of the C&R Board before any construction begins. A permit fee of \$500.00 will be required prior to any construction or work being performed. If you have any questions, you may contact Chairman Dwight Vavra at (979) 241-8392, or by e-mail at [dgvavra@hotmail.com](mailto:dgvavra@hotmail.com), or the C&R District's attorney, B. Allen Cumbie, at (979) 245-1623 or by e-mail at [allencumbie@gmail.com](mailto:allencumbie@gmail.com).

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## Colorado River Levee Crossing Permit Application

The following information should be submitted via e-mail to Dwight Vavra at [dgvavra@hotmail.com](mailto:dgvavra@hotmail.com), and by mail, along with the fee, to Dwight Vavra at the above address.

- Surveyed Coordinates of Crossing (Elevation, Toes, and Crowns)
- Site Benchmark and Datum
- Geotechnical Report
- Name and Location of Nearest Street Crossing
- Product being Conveyed
- Thrust Block/Restraint System (Force Main)
- Site Cleanup Plan
- Reestablishment of Vegetation Plan
- Necessary Permits
- Payment by check or money order is attached in the amount of \$500.00 to Matagorda County Conservation and Reclamation District No. One

### Option C - Boring or Tunneling Under the Levee

Application Cost TBD

This is not a commonly used option and may require additional information be provided for the U.S. Army Corp of Engineers.

- Call for a special meeting with the Matagorda County Conservation and Reclamation District No. One
- If inspection of the project is required by the C&R District's engineers, the C&R District may require an additional amount to cover the engineer's expense.

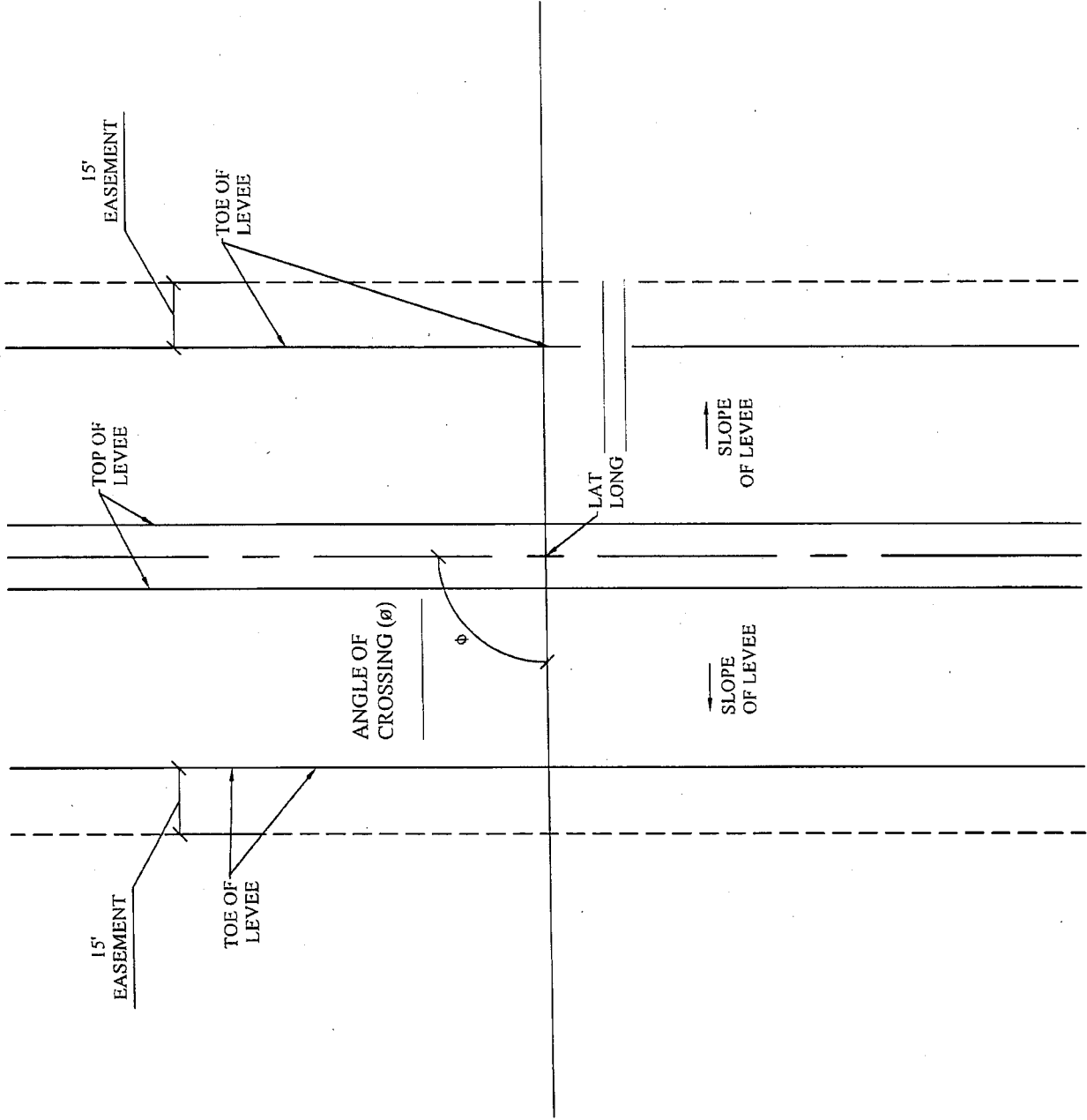
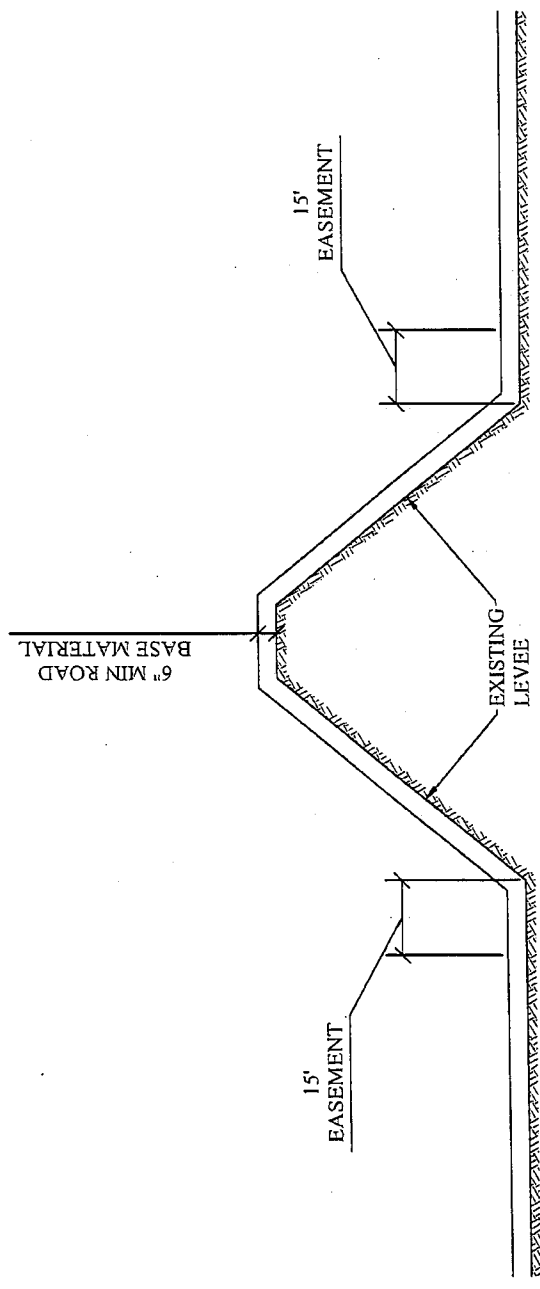
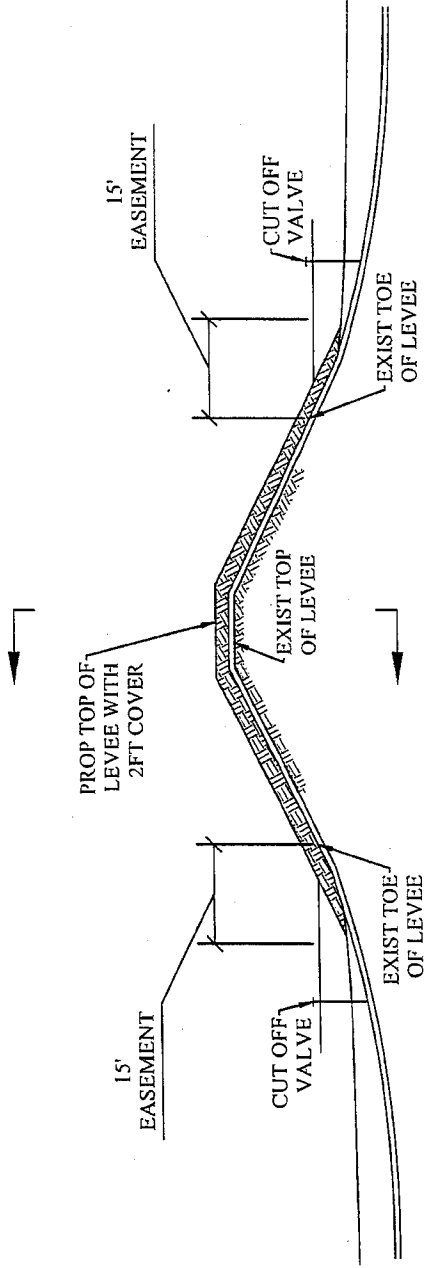


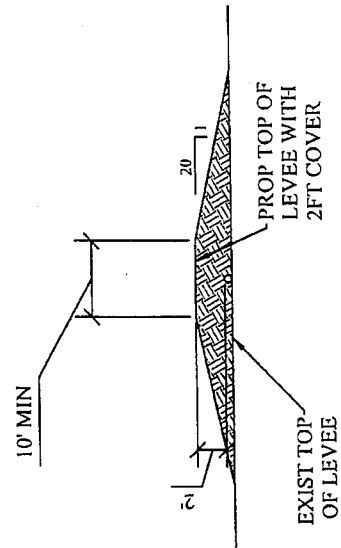
EXHIBIT A  
 PLAN VIEW OF  
 LEVEE CROSSING



# EXHIBIT B ROAD CROSSING OF LEVEE

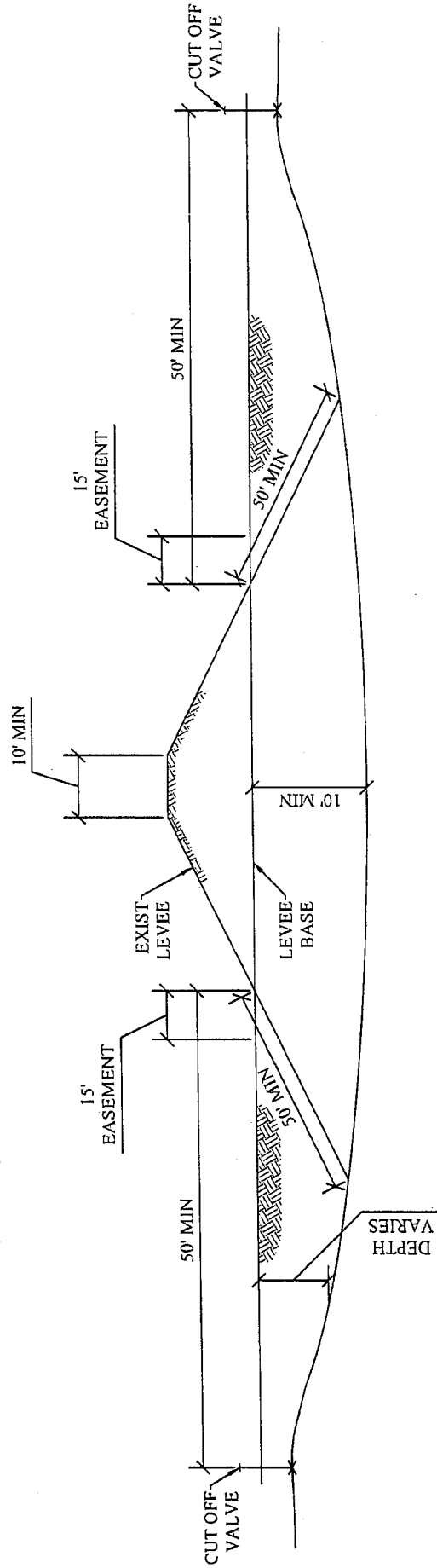


## EXHIBIT C PIPELINE CROSSING OVER LEVEE



**NOTES;**

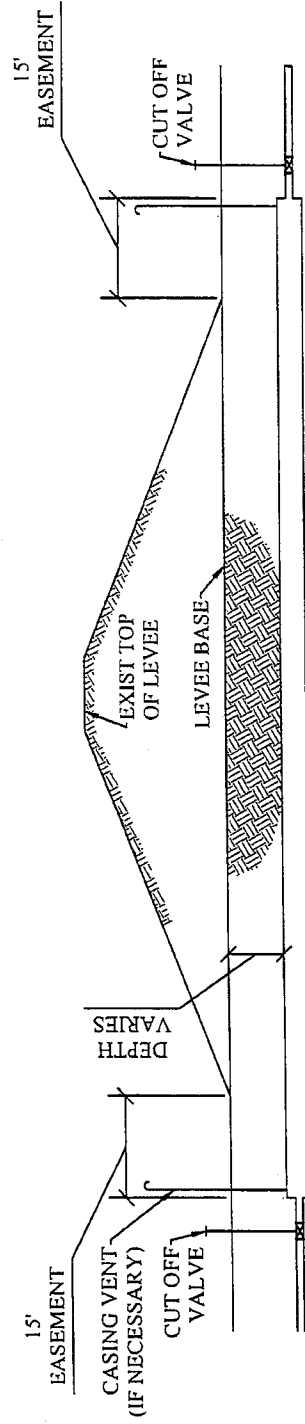
- 1 STRIP TOP SOIL FROM ALL AREAS TO BE DISTURBED, AND STOCKPILE;
- 2 PLACE FILL TO RE-ESTABLISH TOP OF LEVEE ELEVATION. BOTTOM OF PIPE SHALL BE AT THE TOP OF LEVEE ELEVATION ESTABLISHED BY CROSS-SECTION.
- 3 PLACE LINE OVER & ACROSS LEVEE;
- 4 PLACE NEW FILL OVER LINE. FILL MUST MEET USAGE SPECIFICATIONS;
- 5 PROVIDE A MINIMUM 2' OF COVER OVER PIPE;
- 6 FILL SHALL BE 1'V:20'H MINIMUM AND SHALL TIE INTO EXISTING GROUND ON TOP AND SIDES OF LEVEE;
- 7 REPLACE TOPSOIL, RE-ESTABLISH TURF BY RE-SEEDING, RE-SODDING OR SPRAY MULCH;
- 8 CUT OFF VALVES ARE REQUIRED ON BOTH SIDES OF LEVEE OUTSIDE OF 15' EASEMENT
- 9 MAXIMUM PIPE DIAMETER ALLOWED FOR CROSSING OVER LEVEE IS 24"



## EXHIBIT D PIPELINE CROSSING BY DIRECTIONAL DRILLING

**NOTES:**

- 1 PIPE MATERIAL MUST MEET USACE SPECIFICATIONS
- 2 PLACE CUT OFF VALVES ON BOTH SIDES OF 50' ZONE
- 3 MAINTAIN 10' MINIMUM DISTANCE FROM BASE OF LEVEE
- 4 NO MAXIMUM PIPE DIAMETER



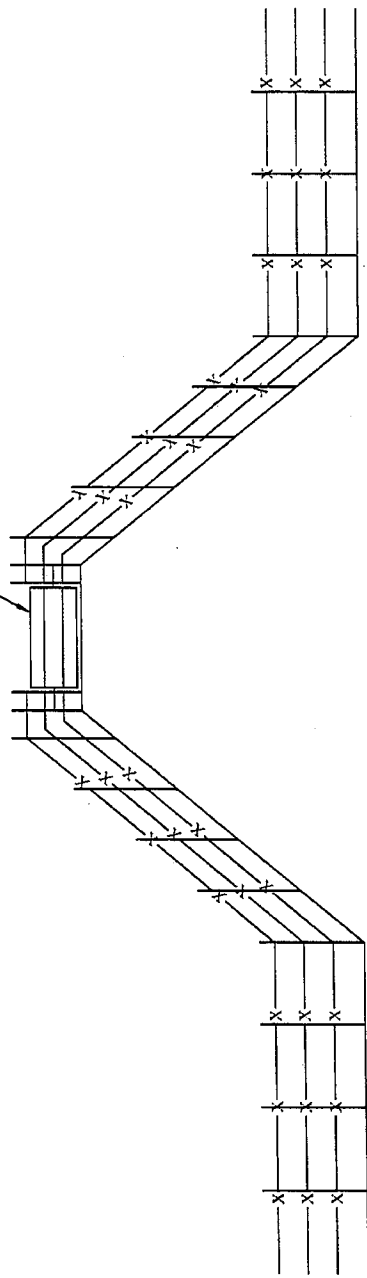
## EXHIBIT E PIPELINE CROSSING BY BORE AND JACK

**NOTES:**

- 1 MUST MEET USACE SPECIFICATIONS
- 2 PLACE TOW CUT OFF VALVES OUTSIDE OF 15' EASEMENT
- 3 SEAL ENDS OF CASING
- 4 PROVIDE VENTS AT BOTH ENDS OF CASING IF COMMODITY BEING TRANSPORTED IS FLAMMABLE.
- 5 TOP OPENING OF CASING VENT SHALL BE 1' ABOVE TO OF LEVEE.



GATE (10' WIDE MINIMUM)  
MUST PROVIDE FOR MATAGORDA CO.  
C&R ACCESS



# EXHIBIT F TYPICAL FENCE CROSSING