



**INTERNATIONAL BOUNDARY AND WATER COMMISSION  
UNITED STATES AND MEXICO  
UNITED STATES SECTION**

Lower Rio Grande Flood Control Project  
325 Golf Course Road  
Mercedes, Texas 78570-9706  
May 6, 2011

Ref. No. 0/11-027

**SUBJECT: Water Meter**

Mr. Joe M. Flores, Commissioner  
City of Mission  
724 North Breykfogle Road  
Mission, Texas 78572

Dear Mr. Flores:

In response to your request of April 26, 2011, the United States Section, International Boundary and Water Commission (USIBWC) has no objection granting you permission to connect a two (2") inch water line with a water meter to existing waterline, located within Anzalduas Park south of the City of Mission, Hidalgo County, Texas.

The following conditions must be agreed to before the permit is approved:

1. Permittee accepts this permit with the understanding that where the USIBWC has an easement only over the land on which application for permit is made, the USIBWC makes no warranty, expressed or implied, that the terms of such easement are sufficiently broad to authorize the permitted works or ingress or egress to such works without authorization also of the owners in fee of the land involved.
2. Permittee shall install a two (2") inch water line to an existing waterline located on the downstream of Anzalduas Dike and cross over by trench method at a minimum of two feet below the levee road surface and side slopes. See Attachment I, for details. The water line, 35 feet from the levee toe, shall have a minimum of 3 ft. of soil cover for protection from heavy equipment.
3. Permittee shall install a water meter inside the Anzalduas Park next to their Utilities Building in a concrete casing.
4. Permittee shall relocate Anzalduas Dam water meter from its previous location and install it below the connection to avoid double metering of water used. The relocation of the water meter shall be install on the outside of Anzalduas Dam fence.

5. All works must be approved by and coordinated with the City of Mission Water Department.
6. The excavation through the levee and berm area (thirty-five (35') feet from the levee toe) for the length of the waterlines shall be as shown on Exhibit "C". During the excavation for the force main pipeline, if unsuitable material is encountered, the Permittee shall keep it separate from suitable material and shall not use it for backfill. Unsuitable materials shall be any soil classified in accordance with ASTM D2487-93 as organic (OL, OH, or PT), elastic silts (MH), fat clays (CH), clean sands (SW, SP, SW-SM, SW-SC, SP-SM, or SP-SC), or clean gravels (GW, GP, GW-GM, GW-GC, GP-GM, or GP-GC). Where imported material is required for backfill, it shall consist of natural soil, which is not judged unsuitable according to the above criteria. All fill material shall be free from roots, trash, organic matter, and other objectionable material. The Permittee shall supply soil classification test results for any borrow source proposed for use.

Backfill through the levee and berm area (thirty-five (35) feet from the levee toe), including any bedding material for the pipe, shall consist of suitable material placed in horizontal lifts not exceeding six (6") inches in compacted thickness. Suitable material shall be imported material as defined in Condition 3, or material excavated from the levee or foundation, which is not judged unsuitable according to Condition 3. Backfill shall be brought up evenly on both sides of each pipe and/or structure to avoid unequal side loads that could fail or move the pipe. Backfill material used shall have uniform moisture content within plus or minus 3% of optimum. Each layer of material shall be bonded to the next and shall be compacted to not less than 95% of maximum density, as determined by ASTM Designation: D 698, Method A. (See Exhibit "C"). Material immediately adjacent to the pipe and/or structure(s) that cannot be compacted by mechanical equipment shall be hand tamped to meet the aforementioned specifications. Backfill outside the Levee and Berm area 35 feet from the Levee toe shall approximate that of the surrounding natural ground.

The Permittee shall repair any settlement in the trench, which may occur within one (1) year of completion of the permitted work. Tests to verify moisture content, compaction, or soil classification as may be determined to be necessary by the USIBWC, shall be performed by an independent testing laboratory at the expense of the Permittee. The USIBWC's representative will designate the times and locations of the tests. All pipes shall be installed in the dry, and a dewatering system shall be used where necessary.

7. No manhole or junction boxes shall be located within the levee, manholes placed in the floodway shall have a minimum cover of one (1') foot.
8. Upon completion of the construction, the worksite shall be left in a clean and neat appearing condition and all debris and excess materials shall be removed from the site to the satisfaction of the USIBWC.
9. Permittee shall restore the surface of the levee roadway with asphalt, should settlement of the repaired roadway occur within one year following completion of work. Permittee shall rework and relay the road surface, bringing it up to its original grade. Asphalt surfacing material shall be uniformly graded and shall meet the requirements of "Texas Department of Transportation, 2004 Standard Specifications for Construction of Highways, Streets, and Bridges" for Item 341, HMA, Type D.

10. Permittee shall notify the USIBWC at least one week prior to the start of work authorized by this Permit.
11. This permit shall be valid for a period of twelve (12) months from the date the Permittee signs this letter. A full license will be required during this time period by re-submitting in writing requesting amending License No. LSF/G-832. Plans showing details of the route and location of a two (2") inch water line with a water meter crossing over the Anzalduas Dike, including letters of compliance from all five government agencies will be submitted to the Mercedes Office for review. The draft license will then be mail to our Headquarters in El Paso for approval.
12. Notice is to be provided to the USIBWC if the two (2") inch water line with the water meter is abandoned, changed or modified in any manner which may affect the scope of this permit. At such time as the two (2") inch water line with the water meter are abandoned and upon request of the USIBWC, the two (2") inch water line with the water meter shall be removed, and the area restored to its previous condition by the Permittee.

If these conditions are acceptable, this letter shall be considered a permit to perform the work by signing below and returning it to us. A copy of the signed original will be mailed to you.

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PERMITTEE

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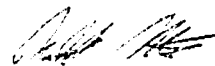
DATE

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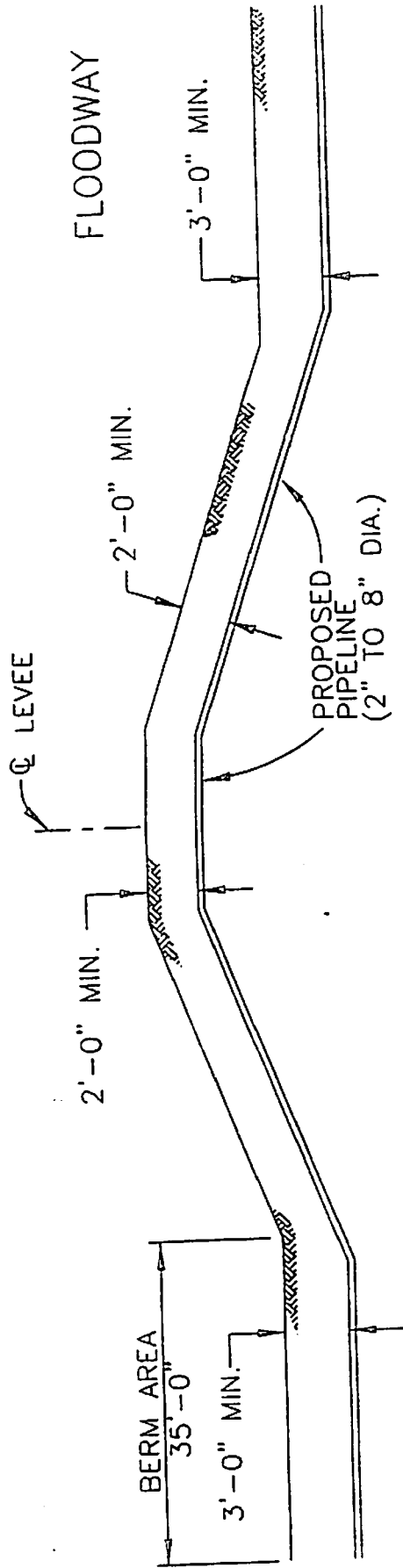
TITLE

If you have any questions or need additional information, you may contact our Realty Specialist, Mr. Saul Barrera, at (956) 565-3159 Ext. 235.

Sincerely,

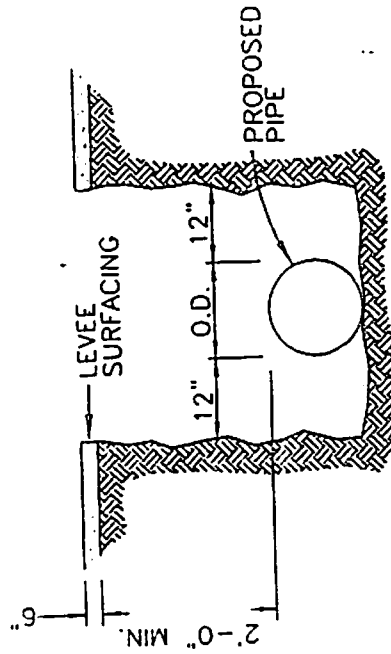


Rodolfo Montero  
Area Operations Manager



TYPICAL PIPELINE LEVEE CROSSING DETAIL

N.T.S.



TYPICAL EXCAVATION SECTION

N.T.S.

REV.	DESCRIPTION	RECORD. BY	DATE
	INTERNATIONAL BOUNDARY AND WATER COMMISSION UNITED STATES AND MEXICO UNITED STATES SECTION		
<b>PIPELINES CROSSING LEVEES 2" TO 8" DIAMETER PIPES DETAILS</b>			
DRAWN	C.B.	RECOMMENDED	
CHECKED	R.P.	APPROVED	CJM
1 OF 1	EL PASO, TEXAS	JAN:	1 24953