

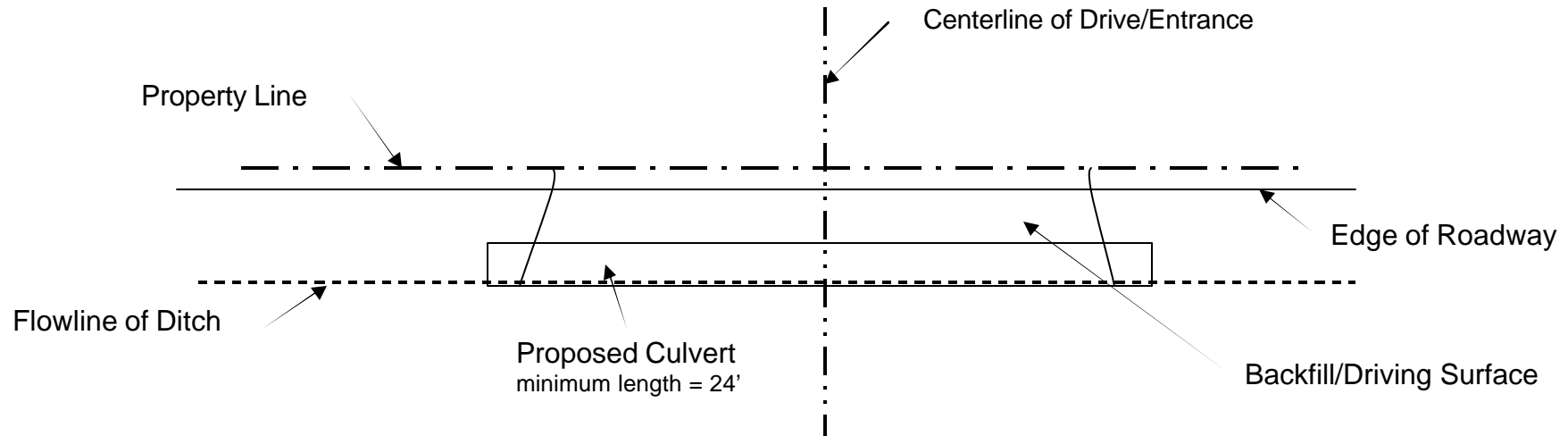
**Notes:**

1. MINIMUM length for all culverts is 24 feet.
2. Culvert will be centered in proposed driveway or entrance.
3. Minimum of 1' shall be exposed on each end of installed culvert.
4. TxDot Item 247, Type A Grade 2 material shall be used for backfill and driving surface.
5. Culvert shall be set at the existing flowline of the ditch.
6. Ditch shall be graded as required to insure proper drainage into and out of installed culvert.
7. Acceptable materials are 14 gauge corrugated metal pipe. Class III reinforced concrete pipe, HDPE (WITH SPECIAL REQUIREMENTS)

**Culvert Installation**  
**Plan View for All Materials**

**Grimes County Road & Bridge Dept**  
**P.O. Box 593**  
**Anderson TX 77830**  
**936-873-9913**

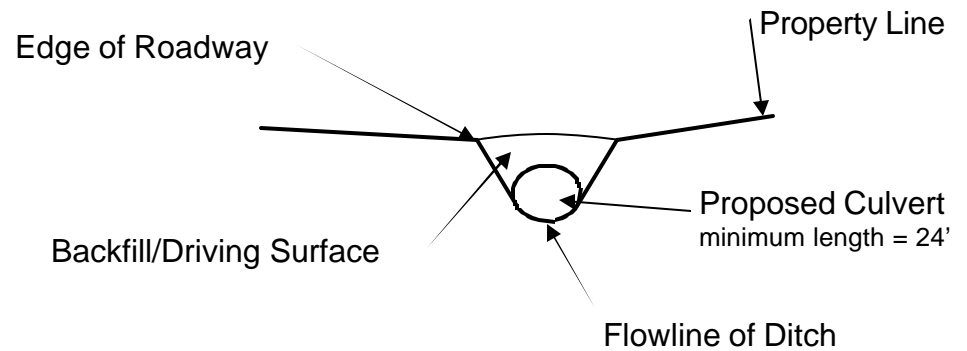
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**Front View**

**Notes:**

1. MINIMUM length for all culverts is 24 feet.
2. Culvert will be centered in proposed drive-way or entrance.
3. Minimum of 1' shall be exposed on each end of installed culvert.
4. TxDot Item 247, Type A Grade 2 material shall be used for backfill and driving surface.
5. Culvert shall be set at the existing flowline of the ditch.
6. Ditch shall be graded as required to insure proper drainage into and out of installed culvert.

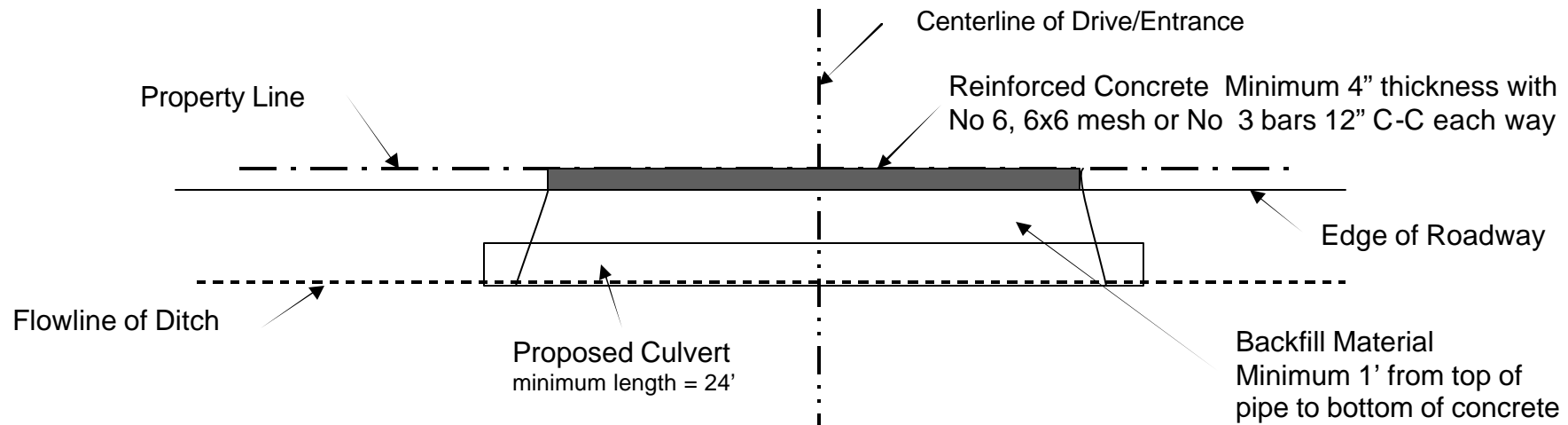


**End View**

**Culvert Installation**  
**Profile View for CMP, RCP**

Grimes County Road & Bridge Dept  
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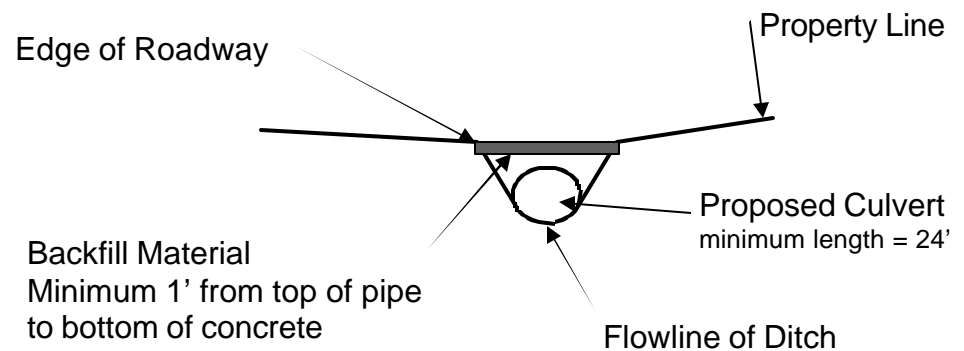
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**Front View**

**Notes for using HDPE pipe**

1. MINIMUM length for all culverts is 24 feet. Standard HDPE length is 20'. **THIS IS NOT ACCEPTABLE. Total length must be 24'.**
2. Culvert will be centered in proposed driveway or entrance.
3. Minimum of 1' shall be exposed on each end of installed culvert.
4. TxDot Item 247, Type A Grade 2 material shall be used for backfill. There shall be a minimum of 1' of material when measured from the top of the pipe to the bottom of the concrete.
5. There shall be a reinforced concrete section placed over the pipe and shall extend a minimum of 5 feet on each side of the culvert. Reinforcing shall be No 6, 6x6 mesh or No 3 bars 12" C-C each way
6. Culvert shall be set at the existing flowline of the ditch.
7. Ditch shall be graded as required to insure proper drainage into and out of installed culvert.



**End View**

**Culvert Installation  
Profile View for HDPE**

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