

# Drainage Culverts and Valley Gutters

## Installation Agreement & Permit Application

An efficient drainage system minimizes the seriousness of damage caused by rain/snow runoff. It also serves to protect our streets by getting the water away from the surface and edges of roads quickly.

City Ordinance No. 12.08.035 states that:

A. All barrow pits within the City of Enterprise shall remain at the grade and design established by the City of Enterprise and shall at no time be altered, diverted, filled or obstructed in any manner without the approval and inspection by the City street department. Any alteration, including the filling or surfacing, installation of culvert, valley gutter or like device is prohibited unless the property owner applies for the necessary permit at the City Offices, and submits the appropriate plans and designs for approval. Installation shall be to design specifications and shall be inspected by the City. Property owners who alter barrow pits do so at their own peril, meaning that the City may at any time remove such culverts, valley gutters, etc. when it becomes necessary for the public good. The City shall not bear any expense for replacing such devices.

B. Violations of this section will be punished as a misdemeanor under the provisions of Section 12.08.010(C) of this chapter. (Ord. 12.08.11.94 §1, 1994)

Please complete the following.

1. Coordinate with City Street personnel **PRIOR** to beginning work. Arrange for an appointment by calling the City Office at 878-2221. (Failure to do so could result in the property owner having to remove whatever has been placed in the barrow pit at owner's expense.) Size of culvert required and location of natural flowline must be determined.
2. Submit detailed plans (preferably drawn to scale) for approval.
3. When permit has been issued, prepare culvert bed (culvert should be supported along its entire length), then place and cover the culvert. Ensure that culvert is properly placed along the flowline and that the gravel cover maintains the required slope from the crown of the road to a point not less than 5' from the edge of the road. There must not be low spots that will allow water to pond adjacent to the road surface. Also, make the culvert as short as possible. When installing a valley gutter, it is critical to remove as much material as will be replaced by the concrete or asphalt apron.
4. Call City Office (878-2221) for final inspection of work.
5. Owner must keep the culvert clear of obstructions and excess build-up of silt at all times and see that the slope away from the road remains at or greater than 2%.

Slope = 2% or 1/4" per foot maintained  
for a minimum of 5' beyond edge of road.



The bottom of a concrete or asphalt valley gutter must be aligned along the natural/existing flowline. This requires removal of material equal to the depth of the concrete or asphalt to be placed.

City standard culvert size is 12". An acceptable alternative is two 10" culverts. Smooth bore culverts are highly recommended. Bottom of culvert(s) must follow the natural/existing flowline.

I have read this agreement and will abide by these terms. I understand that placing culverts smaller than City Standard Culvert size or placing excessively long culverts (longer than 30') makes me liable for flood damage caused by my culvert.

(Signature of Property Owner) \_\_\_\_\_ Date \_\_\_\_\_