

VILLAGE OF BEAR CREEK, TEXAS

DRIVEWAY DESIGN ADDENDUM

September 16, 2026

This document is to clarify minimum design standards for new or reconstructed driveways within the full-purpose jurisdiction of the Village of Bear Creek (VBC) and is incorporated by reference in Driveway Ordinance 260915.002. This document may be updated by the driveway permit authority from time to time without council action. The current version of this document will be posted on the Village's website with the date of applicability in the document header. The applicable version will be the version that is current at the time of application. Variances to the design standards herein may only be granted by the driveway permit authority as designated by city council.

1) DEFINITIONS –

- a. Driveway – A connection to a Village street intended to serve the single property from which it originates. Any street connection extending to any other parcel from another parcel is considered an access road and is not covered within the provisions of this document.
- b. Driveway Maintenance – Repair of existing driveway surface using the same location and material as existing, resurfaced to the existing dimensions and grade with no alterations in dimension, grade, surface material, or drainage condition
- c. Reconstructed Driveway – Repair or modification of an existing driveway that alters the dimensions, grade, surface material, or drainage condition
- d. New Driveway – Any driveway not meeting the conditions of a) and b) above.

2) DRIVEWAY DESIGN STANDARDS – The following standards and details are intended as default design standards for new and reconstructed driveways, except for any considerations listed herein:

- a. Hays County Transportation Department Specifications for Roadway, Design, Paving, and Drainage Improvements
- b. Hays County Transportation Department standard detail for **Residential Driveways – Sheet Flow Style**
- c. Hays County Transportation Department standard detail for **Residential Driveways – Dip Style**
- d. Hays County Transportation Department standard detail for **Residential Driveways – Culvert Style**

The roadside drainage condition at the location of the driveway shall inform which driveway standard (sheet flow vs. dip style vs. culvert style) will apply.

Sheet flow driveway standards will only be allowed at locations where there the evident depth is 2-inches or less.

In locations where there is evidence of a parallel roadside drainage ditch with a depth of less than 12-inches may use the dip style culvert standard. The dip shall be aligned with the center of the parallel drainage path. The Hays County standard details for driveways are included herein in **APPENDIX I – STANDARD DETAILS**. The construction of a dip style culvert shall be accompanied by grading of the adjacent ditch along the frontage of the property with a cross-sectional area with the equivalent area of the “low-water crossing” portion of the driveway dip.

Locations with a ditch that is 12-inches or greater in depth shall use the culvert style driveway standard. The depth is determined by either the depth of the existing driveway dip or edge of roadway to the existing ditch bottom, whichever is greater.

3) DRIVEWAY CULVERT DESIGN STANDARDS – For new or reconstructed driveways using the culvert style driveway detail, the **minimum** culvert size will be determined by location. In no case will a driveway culvert with a diameter of less than 18-inches be permitted without an engineering study signed and sealed by a Professional Engineer demonstrating equivalent hydraulic performance as well as a justification as to why an 18-inch or larger culvert cannot be installed. In addition to installation of the culvert, the parallel roadside ditch shall be graded along the frontage of the driveway property until the ditch grade is daylighted at the flowline. The required **minimum** driveway culvert size is as shown on **EXHIBIT A – DRIVEWAY CULVERT SIZING MAP**. The map is intended to be general guidance and the culvert size is shown as a minimum. Some isolated locations may require installation of a culvert that is larger than the minimum and will be determined in the driveway application process.

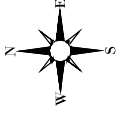
Driveway culverts may be corrugated metal pipe (CMP) or reinforced concrete pipe (RCP). Plastic (PVC, HDPE, etc) or ductile iron pipe are not allowed for driveway culverts. Arched pipe (RCPA, CMPA) pipe may be installed in lieu of circular pipe provided the cross-sectional area is the same or greater than the intended circular pipe cross-sectional area.

4) DRIVEWAY SURFACE STANDARDS – The only materials approved for driveway surfaces within the Village right-of way or roadway easement are as follows:

- a. Reinforced portland cement concrete
- b. Hot-mix asphalt pavement
- c. Pavers
- d. Decomposed granite
- e. Road base
- f. Pea gravel

Other driveway surfaces such as grass or native subgrade are not approved for driveway surfaces.

EXHIBIT A – CULVERT SIZING MAP



LEGEND

	18-INCH MIN.
	24-INCH MIN.
	30-INCH MIN.
	36-INCH MIN.
	42-INCH MIN.
	48-INCH MIN.
	TxDOT CONTROLLED

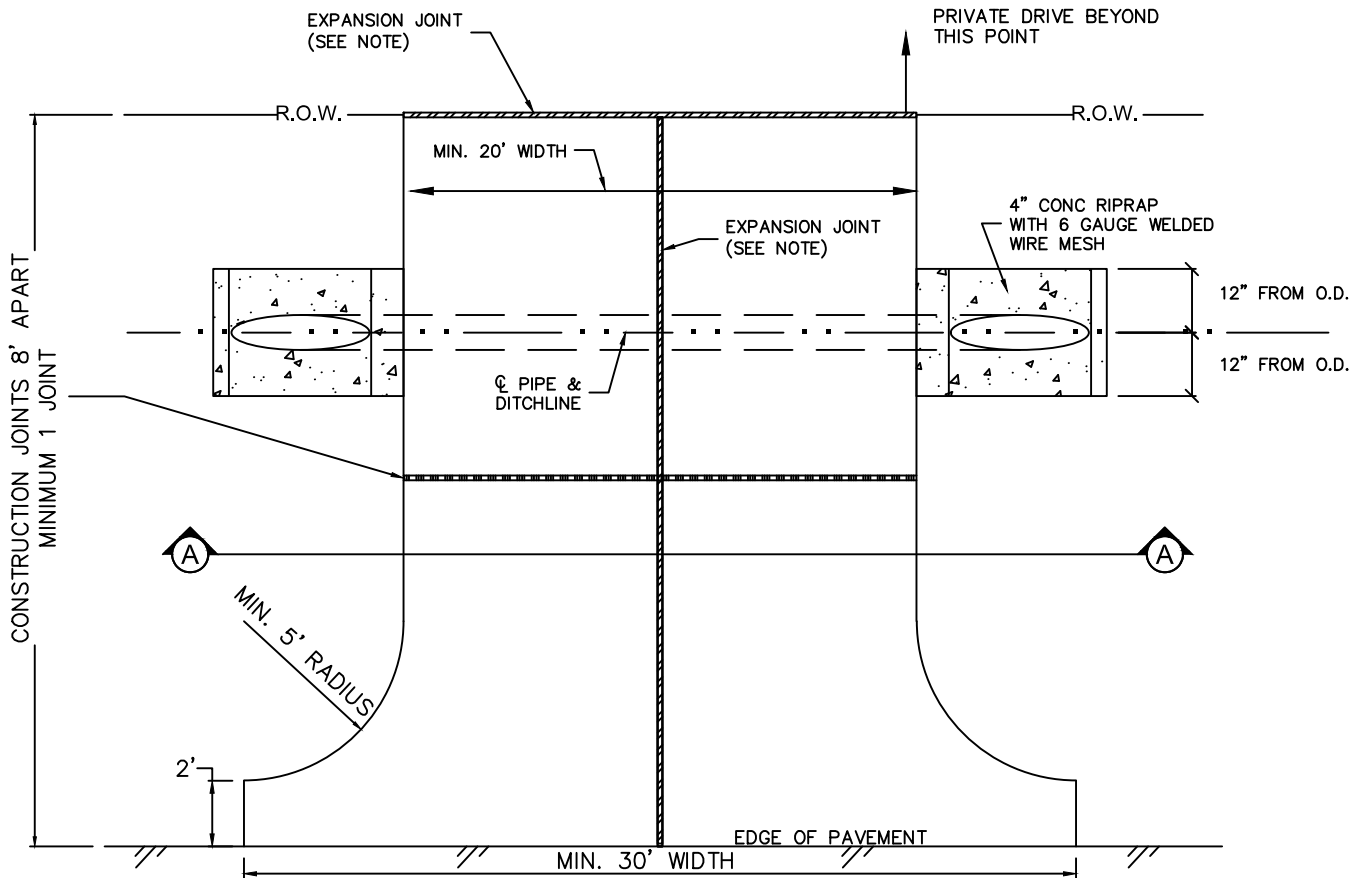
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PROJECT:	VILLAGE OF BEAR CREEK
SHEET TITLE:	EXHIBIT A - CULVERT SIZING MAP

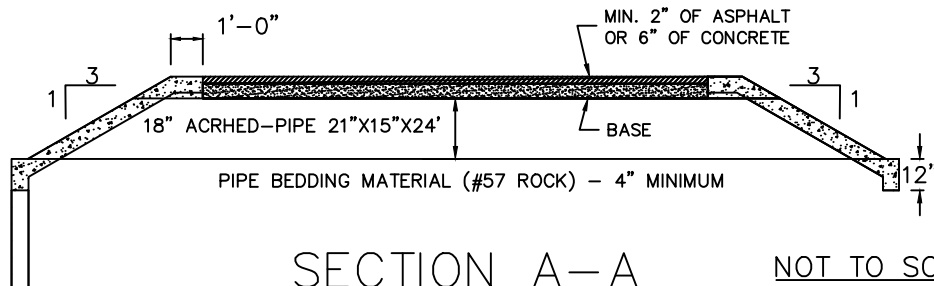


APPENDIX I – HAYS COUNTY DRIVEWAY STANDARD DETAILS

HAYS COUNTY DRIVEWAY STANDARD



PLAN VIEW



SECTION A-A

NOT TO SCALE

NOTES:

- Driveways shall be constructed of either 5" of class "A" concrete reinforced with 6ga welded wire mesh over 2" of compacted base, or 1.5" of asphalt over 8" of compacted base.
- SET's shall be constructed of 4" of class "A" concrete reinforced with 6ga welded wire mesh with a minimum slope of 3:1.
- Culvert flowline shall match the flowline of the ditch, with min. 4" thickness of pipe bedding material (#57 rock).
- An expansion joint shall be placed at the ROW line, with #4 smooth bars placed at mid depth 12" OC.
- Place an expansion joint down the center of driveway, all driveways.
- Special conditions may apply to pipes larger than 18" arched-pipe 21"x15"x24'.

HAYS COUNTY, TEXAS
RESIDENTIAL DRIVEWAY
CULVERT-STYLE

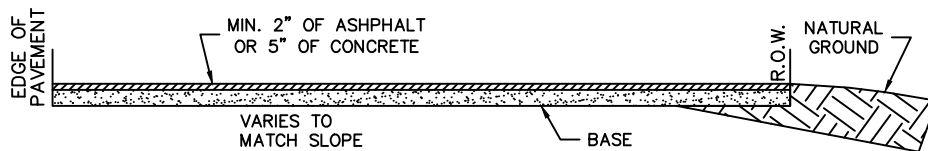
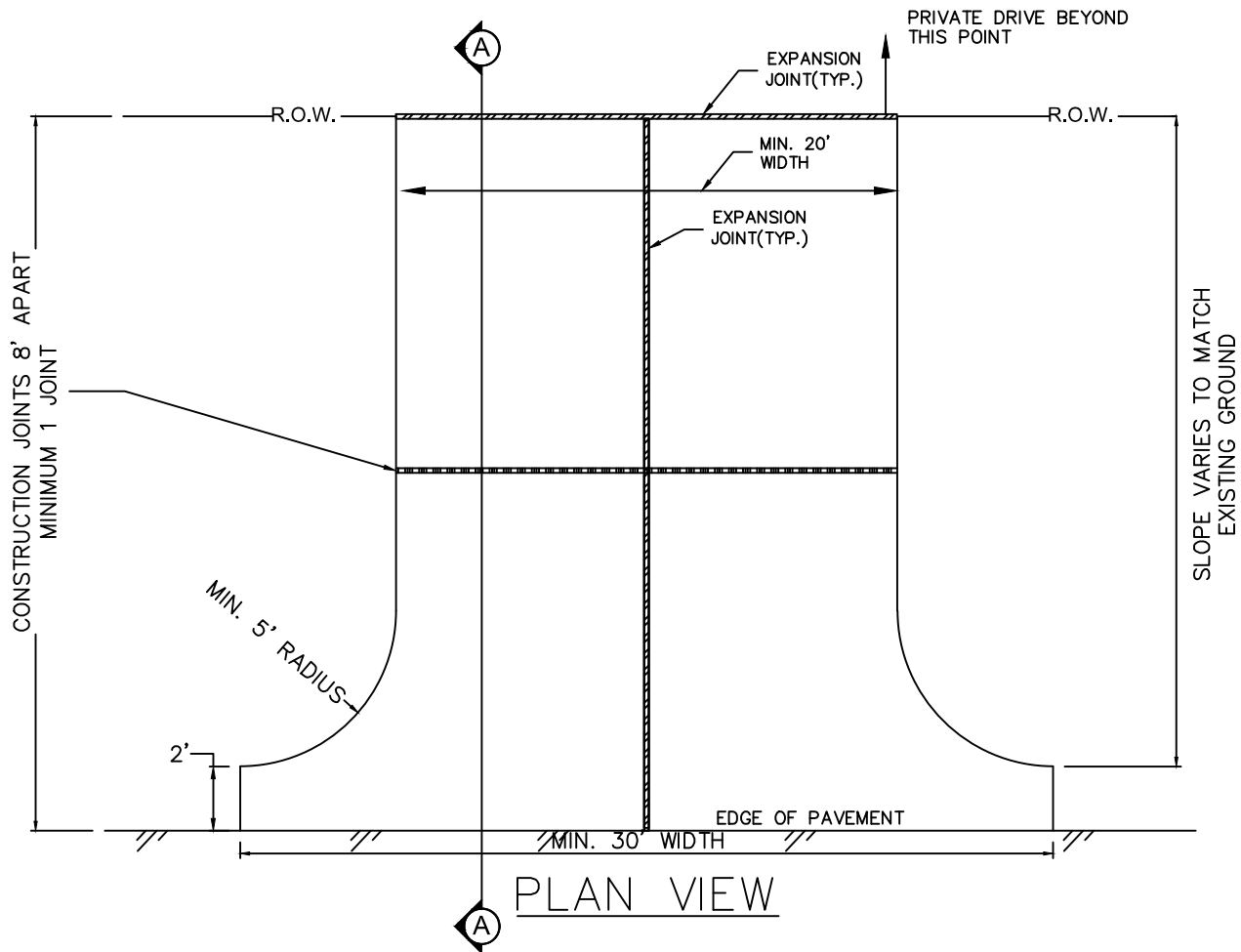


NOTES:

- Driveways shall be constructed of either 5" of class "A" concrete reinforced with 6ga welded wire mesh over 2" of compacted base or 1.5" of asphalt over 6" of compacted base.
- The top of the dip section shall match the flowline of the ditch.
- An expansion joint shall be placed at the ROW line and at the midpoint of the driveway from ROW line to the edge of pavement, with #4 smooth bars placed at mid depth 12" OC.
- Place an expansion joint down the center of driveway, all driveways.

HAYS COUNTY, TEXAS
RESIDENTIAL DRIVEWAY
DIP-STYLE

HAYS COUNTY DRIVEWAY STANDARD



SECTION A-A

NOT TO SCALE

NOTES:

- Driveways shall be constructed of either 5" of class "A" concrete reinforced with 6ga welded wire mesh over 2" of compacted base or 1.5" of asphalt over 6" of compacted base.
- The slope of the driveway shall match the slope of the existing ground.
- An expansion joint shall be placed at the ROW line and at the midpoint of the driveway from ROW line to the edge of pavement, with #4 smooth bars placed at mid depth 12" OC.
- Place an expansion joint down the center of driveway, all driveways.

HAYS COUNTY, TEXAS
RESIDENTIAL DRIVEWAY
SHEET FLOW