GENERAL ELEVATION A-A

Granular Backfill Limits

W = Total length normal to Roadway or Median

Granular Backfill Limits

Earth fill or roadway.

Fill heights are measured from the top of top slab to the top of earth fill or roadway.

Removing of Bridges:

Traffic to be maintained on plans for traffic control.

Structure to be closed during construction. Traffic to be maintained on plans for traffic control.

Channel bottom shall be graded within the right of way for transition of channel bed to culvert openings. Channel bottom shall be required to match culvert openings. Elevations shall be required to match culvert openings. Elevations shall be required to match culvert openings.

Interactive Design Specifications and 2010 AASHTO LRFD Bridge Design Specifications:

Design Loading:

Standard Panel:

Equivalent Fluid Pressure = 30 lb/cf (min.), 60 lb/cf (max.)

Vehicular = HL-93 minus lane load, Earth = 120 lb/cf

Design Loading:

Equivalent Fluid Pressure = 30 lb/cf (min.), 60 lb/cf (max.)

Vehicular = HL-93 minus lane load, Earth = 120 lb/cf

Design Loading:

Standard Panel:

Cast-in-Place Concrete Box used

Precast Concrete Box used

culvert constructed:

MoDOT Construction personnel will indicate the type of box culvert used.

NOTICE: This drawing is not to scale. Follow dimensions. Sheet No. 1 of
**Standard Drawing Guidance**

**Office Use Only**

Some details have been grouped together to allow easy substitution with alternate details. To add grouped details, select them and drag them into the drawing.

- **ADD**: If any part of the barrel is exposed, the additional concrete may be compacted with a hand-operated trowel. Some details may be added to enhance the appearance of the barrel.

- **SPECIAL**: No special considerations are required for the construction of the barrel. Details may be added as needed.

- **REPLACEMENT**: If the barrel is to be replaced, the new barrel should be designed to match the original dimensions.

- **REMOVE**: If any part of the barrel is to be removed, the area should be filled with concrete to match the surrounding area.

**FILL Heights**

- **Fill Heights** are shown for each section of the barrel. These heights should be consistent with the surrounding area.

- **Variation**: If the fill height varies within a section, the section should be divided into smaller sections to maintain consistency.

**Dimensions**

- **Dimensions** are shown on the drawing. These dimensions should be used for construction purposes.

**Notes**

- **Notes** are included to provide additional information for construction purposes.

**Alternate and Supplemental Details**

- **Alternate Details** are provided for various situations where standard details may not be applicable.

- **Supplemental Details** are included to provide additional information for construction purposes.

**Alternate Plan of Transverse Joints**

- **Alternate Plan of Transverse Joints** is provided for cases where standard details may not be applicable.

- **Alternate Plan of Stage Construction** is provided for cases where standard details may not be applicable.

**Estimated Quantities**

- **Estimated Quantities** are provided for various construction items to facilitate cost estimation.

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- **Alternate Estimated Quantities** are provided for various construction items to facilitate cost estimation.

**Submittal Data**

- **Submittal Data** are provided for various construction items to ensure compliance with project guidelines.

**Corresponds to the border of the standard drawing for ease in moving alternate details (Snap to corner)**