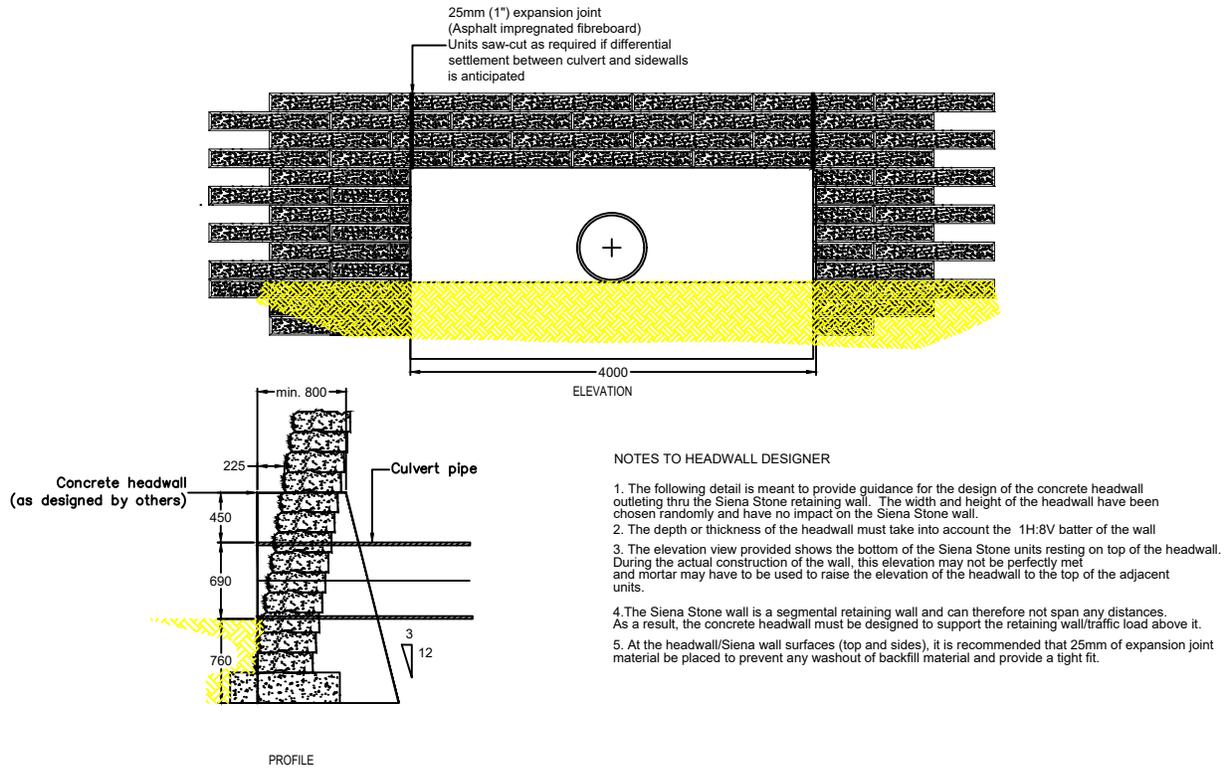


(TYPICAL) CONCRETE CULVERT HEADWALL DETAIL



NOTES TO HEADWALL DESIGNER

1. The following detail is meant to provide guidance for the design of the concrete headwall outletting thru the Siena Stone retaining wall. The width and height of the headwall have been chosen randomly and have no impact on the Siena Stone wall.
2. The depth or thickness of the headwall must take into account the 1H:8V batter of the wall
3. The elevation view provided shows the bottom of the Siena Stone units resting on top of the headwall. During the actual construction of the wall, this elevation may not be perfectly met and mortar may have to be used to raise the elevation of the headwall to the top of the adjacent units.
4. The Siena Stone wall is a segmental retaining wall and can therefore not span any distances. As a result, the concrete headwall must be designed to support the retaining wall/traffic load above it.
5. At the headwall/Siena wall surfaces (top and sides), it is recommended that 25mm of expansion joint material be placed to prevent any washout of backfill material and provide a tight fit.

Note:

Poor site conditions can affect the stability of the structure. Consult a qualified professional engineer to determine site specific construction details.



Engineering design by RisiStone Inc.

