Belgard Permeable Pavers
3 1/8" (80mm) thick
Cast in place concrete curb per local standards. 6" wide minimum.

Outlet Control Structure
2 x #4 Rebar
Subbase extends beyond curb to provide working platform for installation.

Bedding Layer,
2" ASTM No. 8 Stone
Base Layer,
4" ASTM No. 57 Stone
Subbase Layer,
Minimum 6" ASTM No. 2 Stone
Geotextile Filtration Fabric on bottom and sides of open graded base if required by the design engineer.

Subgrade. Prepare according to recommendations in geotechnical report.

4" Dia. minimum perforated pipe with minimum 3" No. 57 aggregate surround. (see PICP_2 for section view)

Discharge pipe to storm sewer or daylight to surface feature.

Set rectangular weir to desired storage elevation in the subbase

Orifice size and elevation determined by Design Engineer.

Design Notes:
1. Depth of subbase subject to site specific hydraulic and structural requirements. Contact Belgard Commercial for design assistance.
2. Paver dimensions subject to aspect and plan ratio requirements based on traffic loading.
3. Geotechnical engineer needs to balance structural stability and soil infiltration when recommending subgrade conditions.
4. Where the filtration geotextile is used, verify with the manufacturer that the material is not subject to clogging and meets requirements of AASHTO M-288.
5. ASTM No. 2 stone may be substituted with No. 3 or No. 4 stone.
6. Design Engineer determine type, size, and elevation of outlet control devices.
7. Perforated pipe can also be lowered into trench to provide additional aggregate cover overtop.
8. Strictly pedestrian applications may substitute base/subbase layers with one 6" base layer of ASTM No. 57 stone.

This drawing is for illustrative purposes only and should not be used for construction without the signature of a registered professional engineer.

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Belgard Permeable Paving Detail
PICP Pavement to Outlet Structure

N.T.S.
5/7/18
MAH
PICP_3