Belgard Concrete Pavers

Compacted Subgrade, prepare according to recommendations in geotechnical report.

Compacted Aggregate Base - minimum 6" thick. Asphalt or cement treatment base can be used over weak or saturated subgrade soils

1" Bedding Layer, conforms to ASTM C33 with <1% passing 0.080 mm

Mirafi 160N Nonwoven Filtration Fabric on entire bottom of aggregate base (extends under curb).

Jointing Sand, Conforms to ASTM C144

Min. 2% slope to drainage feature

Top of installed pavers shall be 1/8" to 1/4" above adjacent rigid surfaces

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1" Bedding Layer, conforms to ASTM C33 with <1% passing 0.080 mm

Compact Subgrade, prepare according to recommendations in geotechnical report.

Compacted Aggregate Base - minimum 6" thick. Asphalt or cement treatment base can be used over weak or saturated subgrade soils

Mirafi 160N Nonwoven Filtration Fabric - 12" wide at all perimeters, turn up against curb and cut even with the top of pavers

Design Notes:
1. Cross section as shown is suitable for pedestrian and vehicular applications. Paver dimensions subject to aspect and plan ratio requirements. Contact Belgard Commercial for product selection guidance based on the intended traffic loading.
2. Depth of aggregate base subject to site specific conditions (traffic loading, soil conditions, groundwater levels, climatic conditions). Contact Belgard Commercial for design assistance.
3. When traffic flow is perpendicular to the direction of the header, the width of the header curb should be sufficient to ensure that a bouncing tire caused by differential settlement will land on the header and not skip over it.
4. When using geotextile separation fabric, consult with the manufacturer to ensure the material has good drainage characteristics and is not prone to clogging.
5. Drain pipes may be required within the aggregate base depending on the permeability of the subgrade soils. Verify drainage needs with the geotechnical engineer. Ensure drain pipes are able to daylight via gravity flow to surface, or connect to catch basin.
6. Techniseal HP Nextgel jointing sand conforming to ASTM C144 may be used in pedestrian and light vehicular applications. Please contact Belgard Commercial for design assistance.