

Box Culverts

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OPSS 1821 Box Culverts are available in 9 sizes ranging from 1800 x 900 up to 3000 x 2400mm. Precast Box Culverts are useful in minimum cover and width situations.

Box culvert installations with less than 0.6m of cover will require a distribution slab. Fill heights for Standard OPSS designs range from 0.6m up to 5.5m of cover. Multiple rows of culverts can be installed side by side to accommodate wider spans and increase the overall waterway capacity.

Benefits of Box Culverts

- Provides a larger waterway for higher flow capacity
- The use of precast box culverts accelerates installation that means less impacts to traffic and the general public
- Can be designed with baffles or channels
- Box culverts can be utilized for water storage systems



**EASY TO
INSTALL**



**SUSTAINABLE
PRODUCT**



**MADE TO
OPSD**

Applications

- Extension of existing box culvert
- Groundwater recharge or stormwater retention systems
- Livestock, pedestrian or golf cart crossings
- Short-span highway bridges
- To replace existing open channels or ditches, enabling land to be used productively
- Utility Tunnels

Specifications

- CHBDC CSAS6
- CSA A23.4
- OPSS 1821



Size (mm)	Design Earth Cover (mm)	Waterway Area (m ²)
1800 x 900	0.6 to 5.5	1.54
1800 x 1200	0.6 to 5.5	2.08
2400 x 1200	0.6 to 3.6	2.80
2400 x 1500	0.6 to 3.6	3.52
2400 x 1800	0.6 to 3.6	4.24
3000 x 1500	0.6 to 3.6	4.38
3000 x 1800	0.6 to 3.6	5.28
3000 x 2100	0.6 to 3.6	6.18
3000 x 2400	0.6 to 3.6	7.08