

X-stream

The X-stream consists of buried precast box culverts. The X-stream system is used for water retention or detention based on the application. X-stream system accommodates for low impact development. Buried precast concrete stormwater detention and retention structures have become critical. Stormwater management accommodating low impact development (LID) and contributing to sustainable drainage systems in a time of climate change and extreme weather conditions.

Benefits

- Precast detention/retention systems mitigate the overload of downstream storm water pipelines
- X-stream can accommodate access opening for inspections & maintenance
- X-stream Can be used in combination with storm water quality products, such as Stormceptor & Jellyfish Filtration Systems.
- Boxes are joined at several locations to avoid surcharging & equalize the water level throughout the entire structure
- An X-stream estimator program for optimizing price with volume is available
- Standard sizes of dry cast concrete boxes for high quality & short delivery lead-time
- Multiple box units can be delivered to site for assembly in a single day - accelerated precast construction timelines
- Multiple uses of space above the buried structure for ICI development or additional residential lots



**LAND
REUSE**



**EASY TO
INSTALL**



**ENGINEERED
FOR LOADING**



**RETENTION/
DETENTION**

Specifications

- OPSS 182
- CHBDC



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