

# 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. Stormwater management has become critical and the X-stream system accommodates for low impact development. Buried precast concrete stormwater detention and retention structures have become critical elements of the 21st century stormwater management accommodating low impact development (LID) and contributing to sustainable drainage systems in a time of climate change and extreme weather conditions.

## Benefits of the X-stream

- Precast detention/retention systems mitigate the overload of downstream storm water pipelines
- X-stream can accommodate access opening for inspections & maintenance
- Designed and manufactured in accordance to OPSS 1821 for CHBDC truck loading
- 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 meeting accelerated precast construction timelines
- Combinations of vertical and/or horizontal assembly determined by space & storage volume
- Multiple uses of space above the buried structure for ICI development or additional residential lots



**LAND  
REUSE**



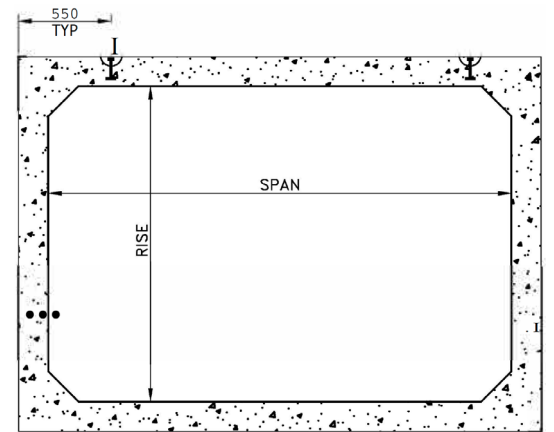
**EASY TO  
INSTALL**



**ENGINEERED  
FOR LOADING**



**RETENTION/  
DETENSION**



## X-STREAM DIMENSIONS

Designated Size Span X Rise	Wall Thickness	Haunch	Waterway Area	Approximate Mass		Standard Truckload	
				(mm)	(mm)	(mm)	(m <sup>2</sup> )
1800 x 900	200	200	1.54	3329	8323	7.5	4
1800 x 1200	200	200	2.08	3631	9078	7.5	4
2400 x 1200	200	200	2.8	4237	10593	5.0	3
2400 x 1500	200	200	3.52	4530	11325	5.0	3
2438 x 1829	203	203	4.38	4924	12310	5.0	3
3000 x 1500	250	250	4.38	6662	16655	2.5	2
3000 x 1800	250	250	5.28	6997	17493	2.5	2
3000 x 2100	250	250	6.18	7376	18440	2.5	2
3048 x 2438	254	254	7.30	7893	19733	2.5	1