Storm Chamber

The low impact, modular, stormwater storage solution
for retention, detention, infiltration and reuse.

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SPEL ENVIRONMENTAL
INTEGRATED WATER SOLUTIONS

Benefits over other storage methods

- Helps counter drought conditions by maintaining groundwater base flow to streams.
- Superior load ratings for trafficable areas.
- Maximised volume for efficient storage void ratio.
- The least cost underground alternative.
- The lowest installed cost of any modular storage technology.
- Burial depths up to over 9m.
- Layered installations possible for restricted surface area sites.
- Superior design eliminates costly and complicated header manifold systems.
- Can be utilized for conveyance in remote locations.
- Recycled HDPE construction allows smaller excavation and decreased footprint.

A septic drainfield for storm water

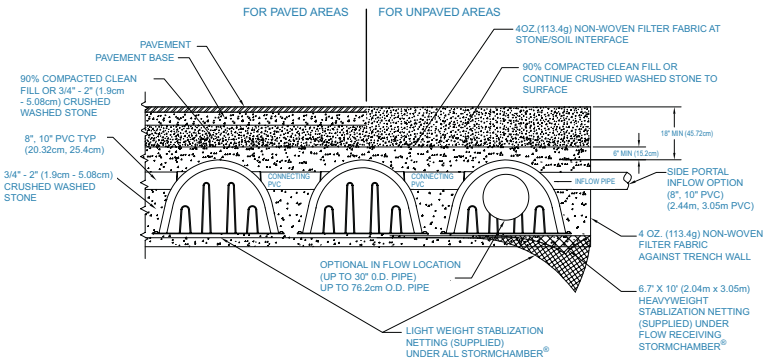
Significantly less cost, quicker, easier than pipe for conveyance.

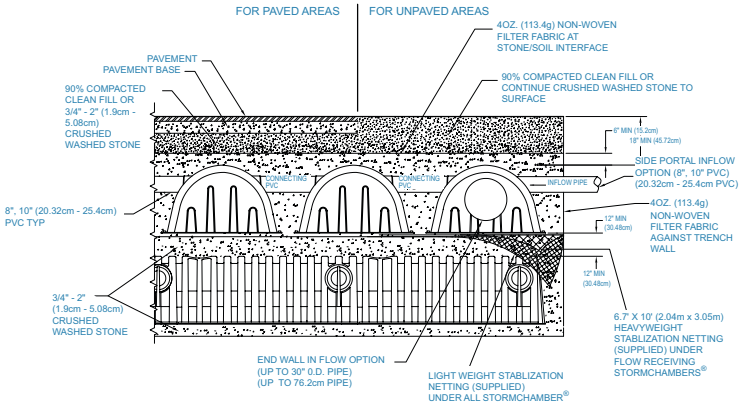
Benefits over similiar technologies

	Storm Chamber	Other Technology
Header pipe manifold in flow/out flow	No	Yes
AASHTO H-20 wheel load rating	Exceeds by 4X	Meets
End plates to purchase & install	No	Yes
Need for pre-treatment devices	No	Yes
Maximum height of fill	9.14m	2.44m
Require compacting stone base	No	Yes
Two & three layered installation	Yes	No
Number chambers required	40-45% fewer	40-45% more
Installed cost & time	Significantly less	Significantly more
Footprint	Significantly less	Significantly more
Excavation, stone, backfill	Significantly less	Significantly more
Compaction, grading & filter fabric		Significantly more

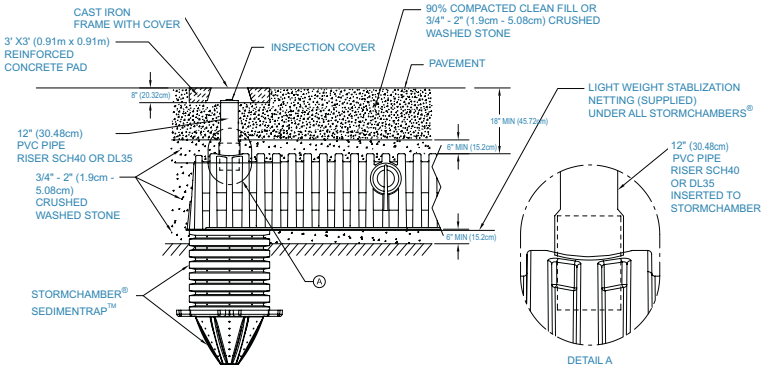
**Source: Brown, Whitney, Schueler, Thomas. National Pollutant Removal Performance Database for Stormwater BMPs, August 1997, Center for Watershed Protection, Ellicott City, Maryland.*

RECOMMENDED INSTALLATION OF STORMCHAMBER®





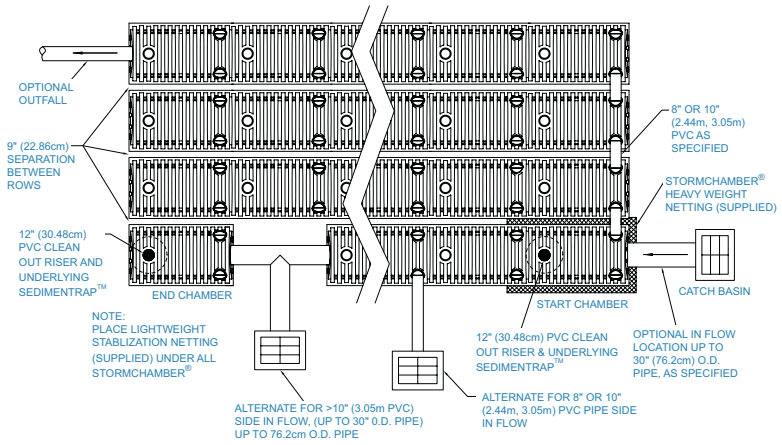
SEDIMENTRAP™ AT BEGINNING AND END OF ROW(S) RECEIVING INFLOW



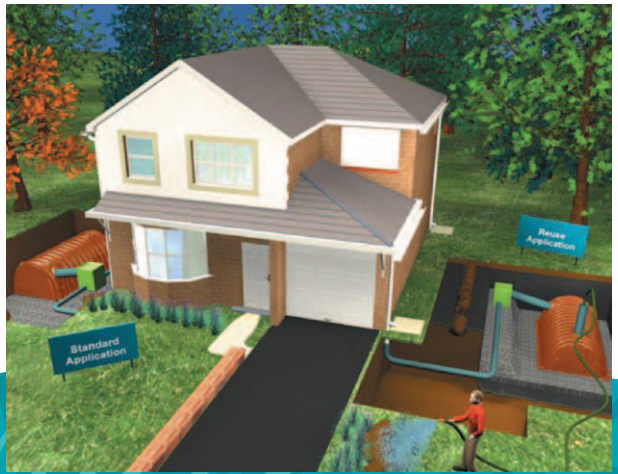
SPEL StormChamber Specifications

Storm Chamber storage = 2.12m^3
Design storage capacity = 3.26 to 4.56m^3
Length = 2.59m
Width = 1.52m
Height = 86.36cm

EXAMPLE "STANDARD" CONFIGURATION



Typical Applications/Uses



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