SOAKAWAY PIT INSPECTION & MAINTENANCE

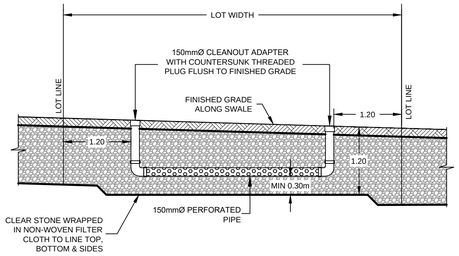
1. Downspout filters to be inspected and cleared of any accumulated leaves, debris, or sediment at a minimum once annually and/or following every major storm event (>25 mm).
2. A water level inspection of the soakaway pit is to be performed via the monitoring well at least 72 hours following every major storm event (>25 mm) to ensure the system is operating as designed.
3. Ensure the monitoring well plug is fastened securely in order to impede leaves, debris and sediment from entering the system. Keep lid flush to grade to avoid potential tripping hazards in landscaped areas.

SOAKAWAY PIT/INFILTRATION SYSTEM CONSTRUCTION CONSIDERATIONS

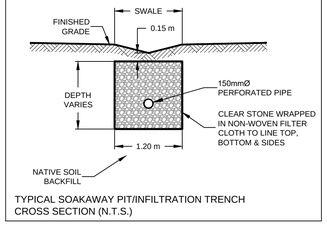
1. Soakaway/infiltration systems to be located a minimum of 5.0 m from any foundation wall.
2. Heavy equipment and traffic should avoid traveling over the proposed location of the soakaway pits to minimize the compaction of the soil.
3. Soakaway pits should be kept "off-line" until construction is complete. They should never serve as a sediment control device during construction. Sediment should be prevented from entering the facility.
4. Upland drainage areas to be stabilized following construction to reduce sediment loads.
5. The soakaway pits should be excavated to design dimensions from the side using a backhoe or excavator. The base of the facility should be level or nearly level.

GROUNDWATER LEVEL NOTE:

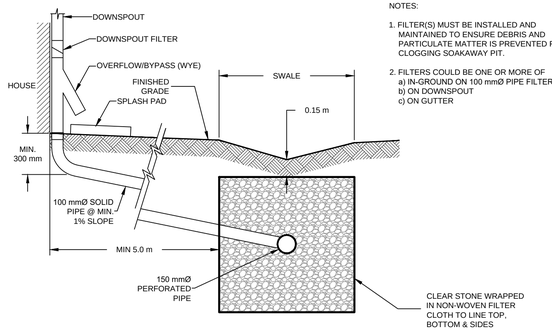
From Toronto Inspections Ltd. Hydrogeological Investigation prepared February 10, 2021 all monitoring wells were installed to a minimum depth of 6.1 m below the ground surface and were found to be dry. All proposed infiltration systems are proposed to have the underside to be within 3.0 m of the existing grade, except Block 6 - Unit 2 soakaway pit which will have its underside at ±4.0 m below the existing grade. The closest monitoring well is 20BH-1(MW) which was drilled to 12.3 m depth and groundwater level was found to be at 11.88 m deep. Therefore all proposed infiltration/soakawy systems are more than 1.0 m above the measured water levels.



TYPICAL PROFILE ALONG SOAKAWAY PIT/INFILTRATION TRENCH (N.T.S.)



TYPICAL SOAKAWAY PIT/INFILTRATION TRENCH CROSS SECTION (N.T.S.)



NOTES:

1. FILTER(S) MUST BE INSTALLED AND MAINTAINED TO ENSURE DEBRIS AND PARTICULATE MATTER IS PREVENTED FROM CLOGGING SOAKAWAY PIT.
2. FILTERS COULD BE ONE OR MORE OF
   a) IN-GROUND ON 100 mmØ PIPE FILTER
   b) ON DOWNSPOUT
   c) ON GUTTER

DOWNSPOUT CONNECTION TO PERFORATED PIT DETAIL (N.T.S.)

KEY PLAN – NOT TO SCALE

LEGEND

	DENOTES LIMIT OF PROPERTY
296.81	DENOTES PROPOSED GRADE
296.81SW	DENOTES PROPOSED SWALE GRADE
296.81HP	DENOTES PROPOSED SWALE HIGH POINT GRADE
296.81G	DENOTES PROPOSED GUTTER GRADE
[299.81]	DENOTES FUTURE GRADE
296.79	DENOTES EXISTING ELEVATION
(296.79)	DENOTES INTERPOLATED EXISTING ELEVATION
S	DENOTES SPLIT DRAINING LOT TYPE
B/S	DENOTES BACK–SPLIT LOT TYPE
W/O	DENOTES WALKOUT LOT TYPE
	DENOTES PROPOSED STORM MANHOLE
	DENOTES PROPOSED SANITARY MANHOLE
	DENOTES PROPOSED CATCHBASIN
	DENOTES PROPOSED PUP CATCHBASIN
	DENOTES PROPOSED DOUBLE CATCHBASIN
	DENOTES PROPOSED VALVE & BOX
	DENOTES PROPOSED HYDRANT & VALVE
	DENOTES PROPOSED DRAINAGE DIRECTION
	DENOTES PROPOSED DRAINAGE DIRECTION
	DENOTES EXISTING DRAINAGE DIRECTION
	DENOTES OVERLAND FLOW ROUTE
	4.0 m OFFSET FROM FOUNDATION WALLS

NOTE: NO STORM CONNECTIONS ARE PROVIDED SINCE THE STORM SYSTEM IS DESIGNED TO SURCHARGE. DWELLINGS WILL BE PROVIDED WITH SUMP PUMPS.

OGS NOTE: MH2 IS TO BE A HYDROWORKS HYDRODOME MODEL HD4.

NO.	DESCRIPTION	DATE

REVISION

DATE _____

PROJECT TITLE

PROPOSED RESIDENTIAL SUBDIVISION
150 CEMETERY ROAD
UXBRIDGE, ONTARIO

LICENSED PROFESSIONAL ENGINEER
T. POLITIS
AUG. 21/24
PROVINCE OF ONTARIO

SHEET TITLE

PRELIMINARY LID SYSTEMS NOTES & DETAILS PLAN

POLITIS ENGINEERING LTD.
981 GREENWOD AVENUE
TORONTO ONTARIO M4J 4C7
TEL. (416) 429 – 8645
FAX. (416) 429 – 8951

DESIGNED BY: T.P.	CHECKED BY: T.P.
DATE : DECEMBER 2021	PROJECT No.: 21575
SCALES: SCALE – AS SHOWN	DWG. No. 303