NOTES

- 1. ALL WORKS TO BE UNDER TAKEN IN ACCORDANCE WITH WLASS REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATION (RITS) AND NZBC
- 2. ON LOT SOAKAGE DEVICES SHALL NOT BE SHARED BETWEEN PROPERTIES
- 3. WHERE PRACTICAL, ALL SOAKHOLES SHOULD BE LINKED FOR LOAD BALANCING.
- 4. SOAKAGE DEVICES SHALL BE POSITIONED ON SITE WHERE:
 - 3.0m FROM BUILDING FOUNDATIONS
 - 1.5m FROM COMMON BOUNDARIES (WHERE THE NEIGHBOURING PROPERTY IS REQUIRED TO HAVE A 1.5M SETBACK TO ANY NEW BUILDING)
 - 0.5m FROM FRONT/ ROAD BOUNDARY (TO AVOID FENCE FOOTINGS).
 - SOAKAGE DEVICES SHOULD NOT BE LOCATED BESIDE RETAINING WALLS FOR WALLS LESS THAN 2.0m HIGH, THE CLEARANCE MUST NOT BE LESS THAN A HORIZONTAL DISTANCE THAT IS EQUAL TO THE RETAINING WALL HEIGHT PLUS 1.5m, UNLESS A SITE-SPECIFIC DESIGN (INCLUDING PS1 CERTIFICATION) IS CARRIED OUT. FOR WALLS HIGHER THAN 2.0M, A SITE SPECIFIC DESIGN MUST ALWAYS BE CARRIED OUT.
 - SOAKAGE DEVICES MUST NOT BE LOCATED WITHIN 2.0M OF PUBLIC SANITARY SEWERS OR 1.0M OF PRIVATE SEWERS.
 - THEY CAN BE EASILY ACCESSED AND MAINTAINED ON LONG TERM BASIS (BE AT LEAST A 2m WIDE ACCESSWAY TO AND AROUND THE DEVICE).
 - THEY ARE NOT LOCATED WITHIN A THE 1 IN 10 YEAR FLOODPLAIN.
 - WHERE POSSIBLE OUTSIDE THE 1 IN 50 YEAR FLOODPLAIN.
 - THEY ARE NOT ON OR NEAR SLOPES STEEPER THAN 1V:2H

ENCROACHMENT INSIDE THE PARAMETERS OUTLINED ABOVE WILL REQUIRE A SITE-SPECIFIC DESIGN (INCLUDING PS1 CERTIFICATION) TO BE CARRIED OUT.

- 7. SECONDARY FLOW PATHS SHALL BE PROVIDED FOR EVENTS THAT EXCEED THE DESIGN CAPACITY OF THE SOAKAGE DEVICE.
- 8. SOAKAGE DEVICES ARE TO BE POSITIONED ABOVE THE 'WINTER' HIGH WATER TABLE UNLESS SPECIFICALLY APPROVED TO OPERATE AS PREDOMINATELY SUMMER SOAKAGE SYSTEMS. THE PEAK SOIL WETNESS PERIOD FOR HAMILTON IS USUALLY JULY-SEPTEMBER. IN THE ABSENCE OF SPECIFIC FIELD DATA, THE POSITION OF THE HIGH WATER TABLE CAN BE ESTIMATED WHEN BOREHOLES OR TEST PITS ARE CONSTRUCTED FROM OBSERVATIONS OF SOIL COLOURATION AND WETNESS
- 9. TRAFFICABLE LIDS TO BE UTILISED ON ALL SOAKHOLES WITHIN DRIVEWAYS AND WHERE TRAFFIC LOADS ARE EXPECTED -CONCRETE SURROUND PRECAST CONCRETE LID Ø100mm HIGH LEVEL OVERFLOW TO SITE STORMWATER CONNECTION (IF AVAILABLE) ENSURE OVERFLOW LEVEL IS ABOVE INLET INTO SOAKHOLE ALL SOAKHOLES TO BE FITTED WITH REMOVABLE LID FOR ACCESS AND MAINTENANCE NOTE: ALL RUNOFF FROM HARDSTAND MANHOLE LID Ø550mm CAST IRON OR DECORATIVE FLUSH. EXTENDED TO FINISHED GROUND SURFACE AREAS TO BE DIRECTED TO SUMP BEFORE **ENTERING THE SOAKHOLES** -DRIVEWAY CATCHPIT OR STRIP DRAIN WITH MIN. 0.3m SUMP DEPTH BELOW OUTLET TO MIN 300mm SOAKHOLE SUMP DEPTH **TYPICALLY** INFLOWS FROM RAIN TANK OVERFLOW Ø900mm OR ROOF DOWNPIPES-Ø750mm MIN DEPTH OF SITE STORMWATER ADDITIONAL SOAKHOLES AS CONNECTION TO BE REQUIRED. CONNECTED VIA CONFIRMED ON-SITE Ø100mm uPVC PIPE Ø100mm BACKFILL WITH FREE DRAINING GRANULAR MATERIAL 0.9mØ PRE-CAST PERMEABLE CONCRETE RINGS-INSTALLED TO MANUFACTURER REQUIREMENTS 1m MIN MIN 250mm LAYER OF 100mm-150mm-SOAKHOLE TO BE ELEVATED ABOVE RIPRAP ROCK IN BOTTOM OF CHAMBER PEAK WINTER GROUND WATER LEVEL

TYPICAL SOAKHOLE SECTION SCALE: 1:50

NOTE: IF SOAKAGE DEVICE IS SIZED TO MANAGE THE FULL 1 IN 10 YEAR EVENT THE OVERFLOW SHALL BE FORMED VIA OVERLAND FLOW PATH, NOT PIPED TO STORMWATER CONNECTION.

City Development Group

			Date	Checked	Date	Strategic Development	
	SURVEY						
	DESIGN	HV	08/22			PROJECT Andrea Phillips	
	DRAWN	HV	08/22				Andrea Phillips
	PROJECT VERIFICATION					ASSET	
	AMENDMENTS					ASSET MANAGER	Private APPROVED
						PREPARED FOR	PRIVATE OWNERSHIP

LINE BASE WITH NON-WOVEN GEOTEXTILE (MINIMUM-

200mm LAP UP SIDES OF SOAKHOLE (FILTRATION CLASS 1-4, STRENGTH CLASS 1).



Phone 07 838 6699 www.hamilton.co.nz

STANDARD RESIDENTIAL SOAKHOLE

— — PEAK WINTER GROUND WATER LEVEL

-MIN. 100mm THICK DRAINAGE AGGREGATE BASE TO BE LIGHTLY COMPACTED AND LEVELED PRIOR TO

PLACING PERMEABLE CONCRETE RINGS

E ORIGIN OF LEVELS Plan No. HCC-03.1

SHEET 1 OF 1