### Site investigation report checklist

DM SPM V3 Soil logs

A scale plan showing all factors needed for design
Soil: Minimum of two soil test pits logged to min. 90cm below proposed infiltrative surface (1m below lagoon base)
Soil: Minimum of four soil permeability tests
Soil: Estimate water table, Seasonal High Water Table (SHWT) and limiting layers in the soils (to min. 1.2m)
Estimate how the effluent will flow away from the discharge area
Description of underlying soils and rock
Areas and description of imported fill materials
Locate surface water bodies, water supplies/wells
Locate services
Locate other setback triggers including breakouts/drains
Proposed and existing structures, driveways and land use, and surrounding land use
Record site topography — including slope, slope type and slope location for proposed discharge area
Measure % deflection of concave slopes where applicable
Identify potential reserve areas
Describe site drainage and hydrology of the site
Describe site vegetation and history of how the site was used
Locate and describe dispersal systems on site and nearby
Locate relevant property lines, covenants and easements
Easements and covenants information — including rights of way, property line location, zoning, development permit areas, and statutory building scheme etc.

# DM SPM V2 Soil logs

### Site/Soil log

Rock outcrops:	Weather:  Slope:  Vegetation:	Site:  No/type of pits:  Slope type/locn: Substorey:	Date: Recorded by: Surface water: Freq/duration fl: Type of bedrock/limiting layer:
Rock outcrops:	9 0	/locn:	Freq/duration fl: Type of bedrock/limiti
Rock outcrops:			Type of bedrock/limit
			Rock outcrops:

Texture (of portion passing 2mm sieve): S, L, SI, C plus CO, F, VF for sand Coarse fragments can be shown by term (eg. "gravelly" or by percent). Flooding/ponding: NO, VR, RA, RA, OC, FR, VFR Duration: EB, VB, B, L, VL Horizon: O, P (organic); A (mineral, humus accum/clay depletion); B (weathered mineral, oxidized, clay accum., structure); C (parent); E (mineral, loss of Fe, Al or org) Soils/site to be described using USDA or CANSIS system and abbreviations. Slope type: LL, LV, LC, VL, VV, VC, CL, CV, CC Slope position: SU, SH, BS, FS, TS

Consistency: L, VFR,FR ,FI ,VFI moist or L, S, SH, MH, HA, VH dry

Redoximorphic: RMX, Quantity: f, c, m Size: 0, 1, 2, 3, 4, 5 Roots: Size: VF, F, M, C, VC Quantity: few=1, common=2, many=3

Structure: GR, ABK, SBK, PL, WEG, PR, COL, SGR, MA, CDY Grade: 0, 1, 2, 3 (where 0 = structureless, 1 = weak, 2 = moderate, 3 = strong. Size: VF, F, M, CO, VC, EC

### DM SPM V2 Soil logs

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Pro	file Des	Profile Description									
TP #:	#	Site:		Date:		Slope:		,	Veg.:		
	Depth		2	,	C. Frags	Structure	e	40:00	Roots:	Mottles:	Moist
	From	To		lexinie	Kind, %	Grade Type	Type		Size/qty.	Depth, qty Seepg	Seepg
Not	es (Por	es, crac	Notes (Pores, cracks, other tests, samples):	amples):							

Usable soil depth:

R. Layer (Type, depth):

SHWT:

Estimated WT:

## DM SPM V2 Soil logs

TP Prc	Profile Description TP #: Site:	cription Site:			Date:		Slope:			Veg.:		
$\neg$	Depth	Ш	الماملين الماملين	Tav4. 150		C. Frags	Structure	Œ	- 1	Roots:	Mottles:	Moist
Г	From To	0	Matrix Colour   Texture	lexture		Kind, %	Grade	Туре	Consist	<u> </u>	₹	Seepg
No	tes (Pores,	crack	Notes (Pores, cracks, other tests, samples):	amples):								

Estimated WT:

SHWT:

R. Layer (Type, depth):

Usable soil depth: