CWC Pipe
5yr Storm Sewer
1.8m Conc. Sidewalk
Pinery Trail
1.0m wide mow strip
Reduced (1.2m) boulevard
4.0m Maintenance Access Road/Trail
11.4m-900mmø Stm @ 0.5%
Top of Pond=356.20
2.0m planted barrier between sidewalk and pond
3rd Pipe/Clean Water Collector System overflow to outlet to SWM Pond. Pipe outlet Inv=355.20
X-Sect B-B (Figure 11)
Permanent Pool=354.90
Concrete headwall
X-Sect A-A (Figure 10)
Concrete headwall
Forebay and wet pond cell to be clay lined.
Wet Pond Bottom=353.40
Flow Path
Forebay Bottom=353.40
Wet Pond
Forebay
Permanent Pool=355.00
Cable Concrete Weir & Access Ramp
1.0m wide top of berm
1.0m wide top of berm. Elev=355.20
1.0m flat mow strip on each side of access road
18.3m-300mmø Reverse Slope Pipe
Anchor Block
DDI Overflow=355.20 190mmø Inv=354.00
110mmø Orifice Outlet Control in 1200mmø MH
DDI Overflow=355.40 275mmø Inv=354.00
DDI Overflow=355.80 480mmø Inv=354.00
Constructed Berm
10m Dripline Setback
30m Wetland Buffer
DDI Overflow=354.70 300mmø Inv=354.45
Cable Concrete Emergency Overflow Weir @ Elev=356.20
Install valves in MH
Include Cleanouts (typ)
22.0m-300mmø @ 8.6%
Level Spreader
Underground Infiltration Gallery
Groundwater Elevation=353.00
Top of Clearstone=354.90
Bottom of Clearstone=354.00
Existing Grades
15m Wetland Buffer
Rip rap at Outlet
2.0m thick planted barrier between trail and pond
1.4% Swale to Level Spreader
17.8m-600mmø @ 3.5%
Big 'O' distribution pipes
Ex. Edge Of swamp
TRTL
5:1
3:1
5.0%

Emergency Overflow=356.20
Hazel=356.14
100-yr=355.81
5-yr=355.39
2-yr=355.21
Winter PP=354.90
Summer PP=354.70
4.0m Access Road/Trail
Swale to level spreader
Pond Bottom =353.40

480mmø Orifice - 354.00 (Spillover=355.80)
275mmø Orifice - 354.00 (Spillover=355.40)
190mmø Orifice - 354.00 (Spillover=355.20)
110mmø Orifice - 354.90

Pond Outlet Schematic
NTS

MERITECH engineering
1315 Bishop Street North, Suite 202 Cambridge
T 519.623.1140 F 519.623.7334 www.meritech.ca

DRAWING: Proposed Stormwater Management Facility
556 & 576 Conservation Drive

DRAWN BY:	STV	CHECKED BY:	CHT
SCALE:	1:500		
FILE NAME:	1279.Figures	DATE:	Apr 2025
	Figure 9		