

SWM SUMMARY

SWM TANK 1			SWM TANK 2		
ORIFICE 1 (10-YR.)			ORIFICE 1 (10-YR.)		
ORIFICE SIZE	155mmØ		ORIFICE SIZE	188mmØ	
ORIFICE INVERT ELEVATION	260.810		ORIFICE INVERT ELEVATION	260.500	
10-YR. WATER LEVEL	262.360		10-YR. WATER LEVEL	262.060	
10-YR. RELEASE RATE	65.0 L/s		10-YR. RELEASE RATE	95.0 L/s	
ORIFICE 2 (100-YR.)			ORIFICE 2 (100-YR.)		
ORIFICE SIZE	95mmØ		ORIFICE SIZE	110mmØ	
ORIFICE INVERT ELEVATION	262.360		ORIFICE INVERT ELEVATION	262.060	
100-YR. WATER LEVEL	263.300		100-YR. WATER LEVEL	263.000	
100-YR. RELEASE RATE	101.0 L/s		100-YR. RELEASE RATE	146.0 L/s	
TOTAL STORAGE			TOTAL STORAGE		
QUANTITY CONTROL	436.0 m³		QUANTITY CONTROL	630.0 m³	
WATER BALANCE	142.0 m³		WATER BALANCE	0 m³	
TOTAL PROVIDED			REQUIRED		
100-YR. RELEASE RATE	247.0 L/s		ALLOWABLE RELEASE RATE	248.0 L/s	
PROVIDED STORAGE	1,066.0 m³		REQUIRED STORAGE	1,031.0 m³	
QUANTITY CONTROL	142.0 m³		QUANTITY CONTROL	121.2 m³	
WATER BALANCE			WATER BALANCE		

TOWN OF CALEDON
PLANNING
RECEIVED
May 15th, 2025

F.U.T. DEVELOPMENT
(EXTERNAL LANDS UNDER SAME OWNERSHIP)

LEGEND

- ⊕ DENOTES VALVE AND CHAMBER
- ⊕ DENOTES VALVE AND BOX
- ⊕ DENOTES HYDRANT
- AD □ DENOTES AREA DRAIN
- CB □ DENOTES SINGLE CATCHBASIN
- DCB □ DENOTES DOUBLE CATCHBASIN
- DENOTES SANITARY MANHOLE
- DENOTES STORM MANHOLE
- ▼ DENOTES EXTERIOR ENTRANCE
- ① DENOTES PIPE CROSSING
- DENOTES PROPOSED BUILDING
- DENOTES PROPOSED BUILDING STRUCTURE BELOW GRADE
- DENOTES DOUBLE CATCHBASIN
- DENOTES STORMWATER STORAGE TANK

NOT FOR CONSTRUCTION

THE DESIGN PRESENTED ON THIS DRAWING IS PRELIMINARY, AND HAS BEEN PREPARED IN SUPPORT OF A FUNCTIONAL SERVICING STUDY FOR THE SUBJECT SITE. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION.

DRAWING LIST

FS-01	FUNCTIONAL SERVICING PLAN
FG-01	FUNCTIONAL GRADING PLAN

SUBMISSION HISTORY

No.	ISSUED FOR	DATE
1.	ISSUED FOR ZBA 1ST SUBMISSION	JAN.10,2022
2.	ISSUED FOR ZBA 2ND SUBMISSION	MAR.7,2024

REVISIONS

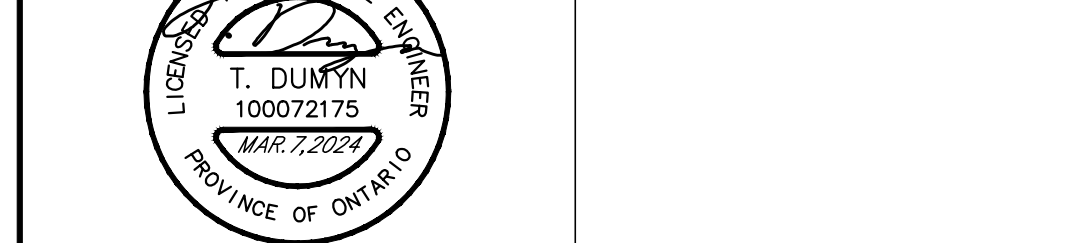
No.	DESCRIPTION	BY	DATE
1.	REVISED PER UPDATED SITE PLAN	TD	FEB.17,2024

BENCHMARK NOTE:

ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE VERTICAL BENCH MARK NUMBER 00B19758060 HAVING AN ORTHOMETRIC ELEVATION OF 269.667 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC DATUM OF 1928, 1978 ADJUSTMENT (CGVD-1928/1978).

TABLET IS SET HORIZONTALLY IN THE NORTHWEST FACE OF A CONCRETE SILO, BELOW STEEL RING LADDER, 49cm ABOVE GRADE. SILO LOCATED ON THE EAST SIDE OF HWY 50, 3.3km NORTH OF JCT OF HWY 50 AND KING STREET IN THE TOWN OF CALEDON (BOLTON), 1.0km SOUTH OF ALBION SIDEROAD 15 AND 68m EAST OF CENTERLINE OF HWY 50.

CONSULTANT MUNICIPAL APPROVAL



COLUMBIA SQUARE
14245 HIGHWAY 50, BOLTON, ON.



SCALE 0 5 10 15 20 25 30 35 40 45 50m

FUNCTIONAL SERVICING PLAN

TOWN FILE:	POPA 2022-0002 RZ 2022-0001	PROJECT No.	21-0012CA
REGION FILE:	OZ-22-002C	DATE:	MAR. 7, 2024
SCALE:	1:500	DESIGNED BY:	T.D.
		DRAWN BY:	T.D.
		CHECKED BY:	M.M.

FS-01