

SWM SUMMARY			
SWM TANK 1		SWM TANK 2	
ORIFICE 1 (10-YR.)		ORIFICE 1 (10-YR.)	188mmØ
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.)	110mmØ
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 QUANTITY CONTROL	436.0 m ³	TOTAL STORAGE QUANTITY CONTROL	630.0 m ³
WATER BALANCE	142.0 m ³	WATER BALANCE	0 m ³
TOTAL PROVIDED 100-YR. RELEASE RATE	247.0 L/s	REQUIRED ALLOWABLE RELEASE RATE	248.0 L/s
PROVIDED STORAGE QUANTITY CONTROL	1,066.0 m ³	REQUIRED STORAGE QUANTITY CONTROL	1,031.0 m ³
WATER BALANCE	142.0 m ³	REQUIRED STORAGE QUANTITY CONTROL	121.2 m ³

FUT. DEVELOPMENT
(EXTERNAL LANDS UNDER SAME OWNERSHIP)

TOWN OF CALEDON
PLANNING
RECEIVED
June 5, 2024



- 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
 - ⊕ 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

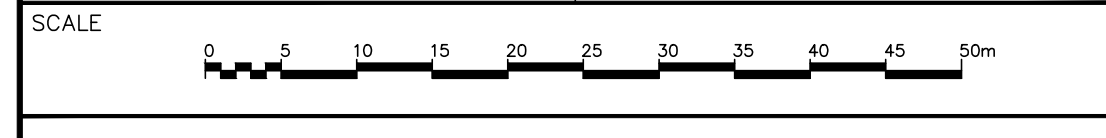
BENCHMARK NOTE:
ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE VERTICAL BENCH MARK NUMBER 00B1758050 HAVING AN ORTHOMETRIC ELEVATION OF 269.67 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC DATUM OF 1928, 1978 ADJUSTMENT (CGVD-1928/1978).

CONSULTANT: T. DUMYEN, PROFESSIONAL ENGINEER, LICENSE NO. 100072175, MAR. 7, 2024, PROVINCE OF ONTARIO

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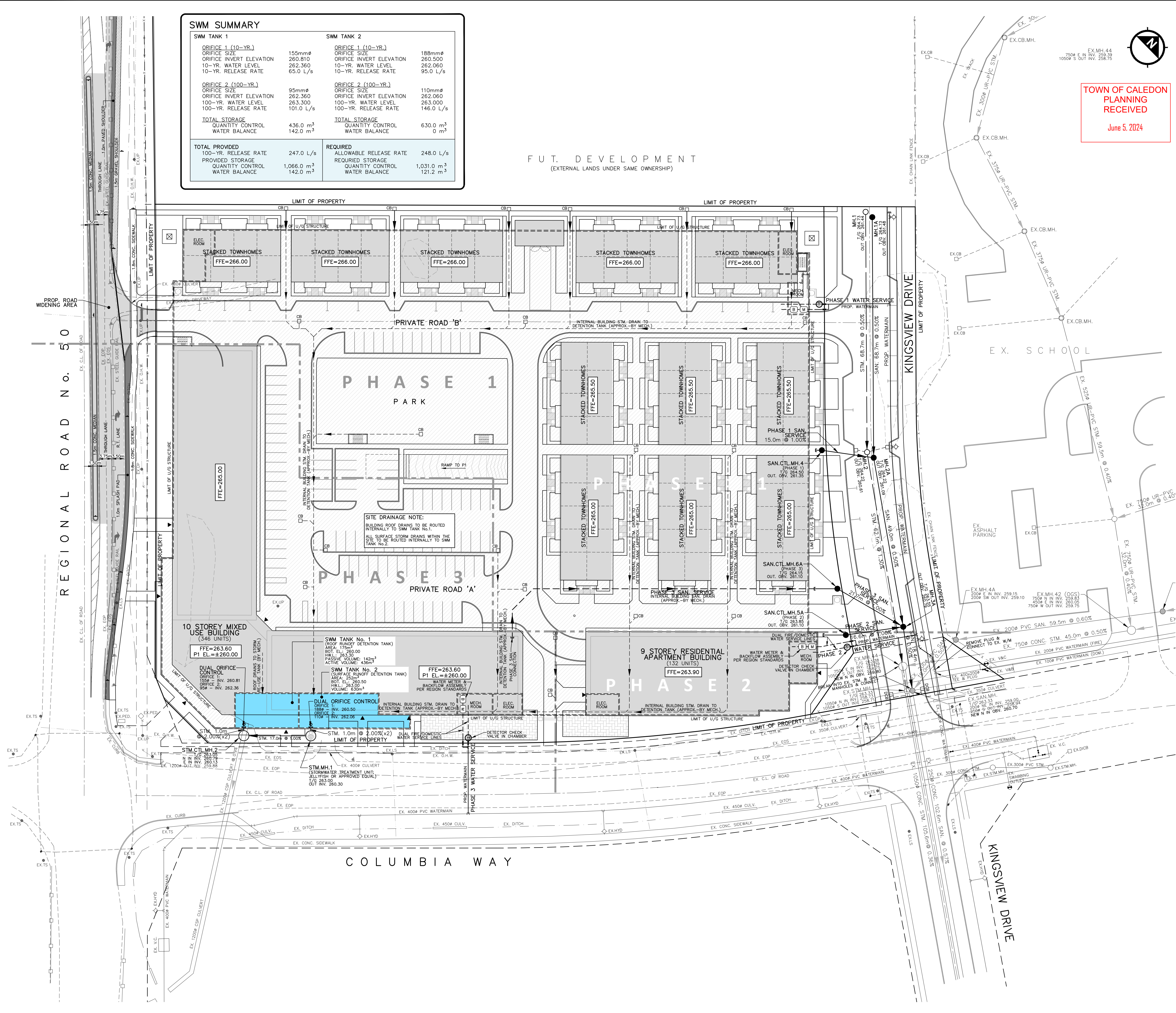
COLUMBIA SQUARE
14245 HIGHWAY 50, BOLTON, ON.

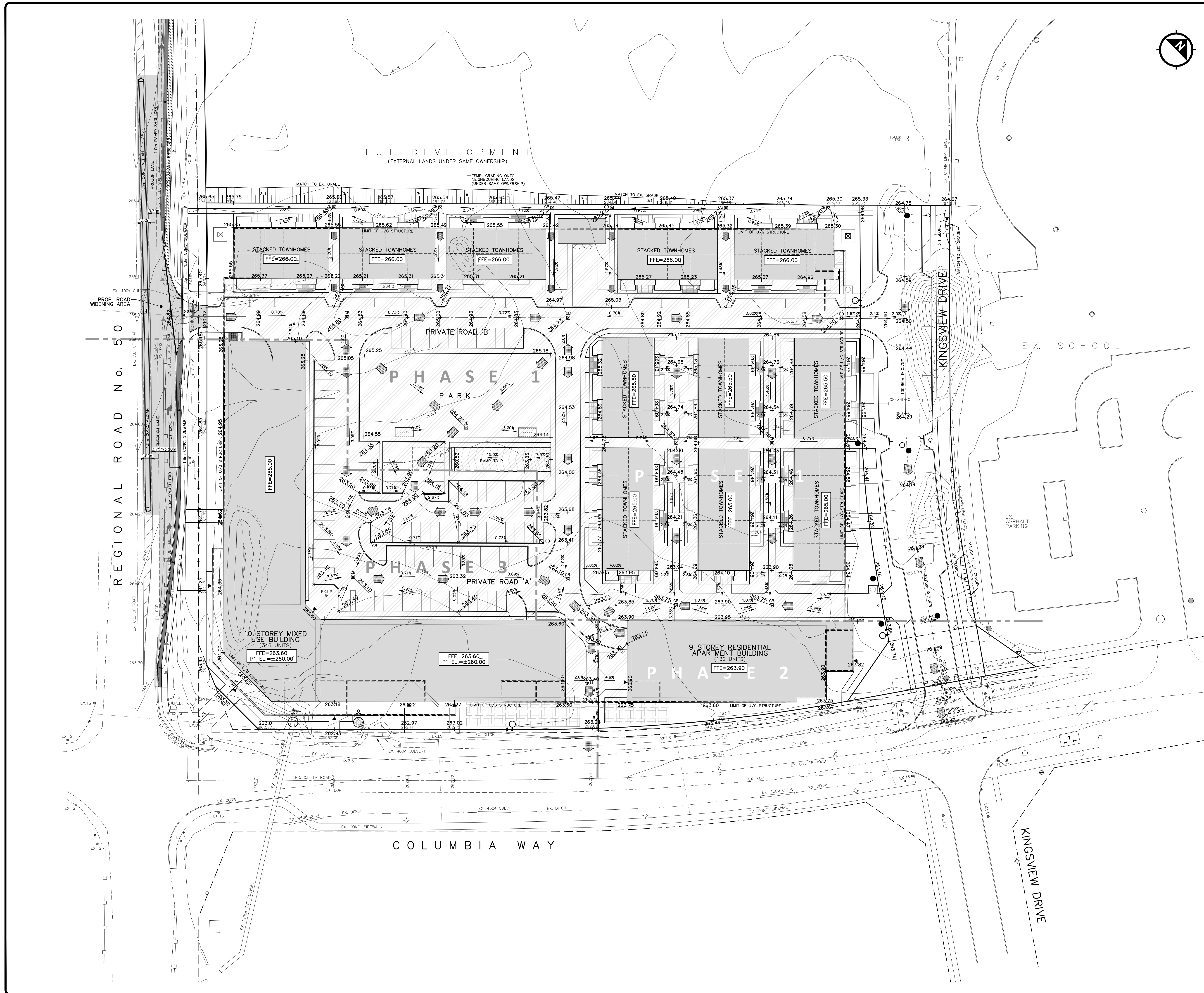
Region of Peel working with you | **TOWN OF CALEDON**



FUNCTIONAL SERVICING PLAN

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





- LEGEND**
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 - ⊕ DENOTES VALVE AND BOX
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 - DENOTES STORM MANHOLE
 - ▼ DENOTES EXTERIOR ENTRANCE
 - ▭ DENOTES PROPOSED BUILDING
 - ▭ DENOTES PROPOSED BUILDING STRUCTURE BELOW GRADE
 - 189.52 DENOTES PROPOSED ELEVATION
 - 190.14 DENOTES EXISTING ELEVATION
 - [189.52] DENOTES FUTURE ELEVATION
 - 189.5 DENOTES EXISTING CONTOUR
 - ▭ DENOTES OVERLAND FLOW ROUTE

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BENCHMARK NOTE:
 ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE VERTICAL BENCH MARK NUMBER 0081975000 HAVING AN ORTHOMETRIC ELEVATION OF 269.667 METRES. ELEVATIONS ARE REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928, 1978 ADJUSTMENT (CGVD-1928/1978).
 TABLET IS SET HORIZONTALLY IN THE NORTHWEST FACE OF A CONCRETE SILO, BELOW STEEL RING LADDER, 490m 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:

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Region of Peel
 working with you

TOWN OF CALEDON



FUNCTIONAL GRADING PLAN

TOWN FILE: POPA 2022-0002 RZ 2022-0001	PROJECT No. 21-0012CA
REGION FILE: OZ-22-002C	
DATE: MAR. 7, 2024	DESIGNED BY: T.O.
SCALE: 1:500	DRAWN BY: T.O.
	CHECKED BY: M.M.
	DWG. No. FG-01