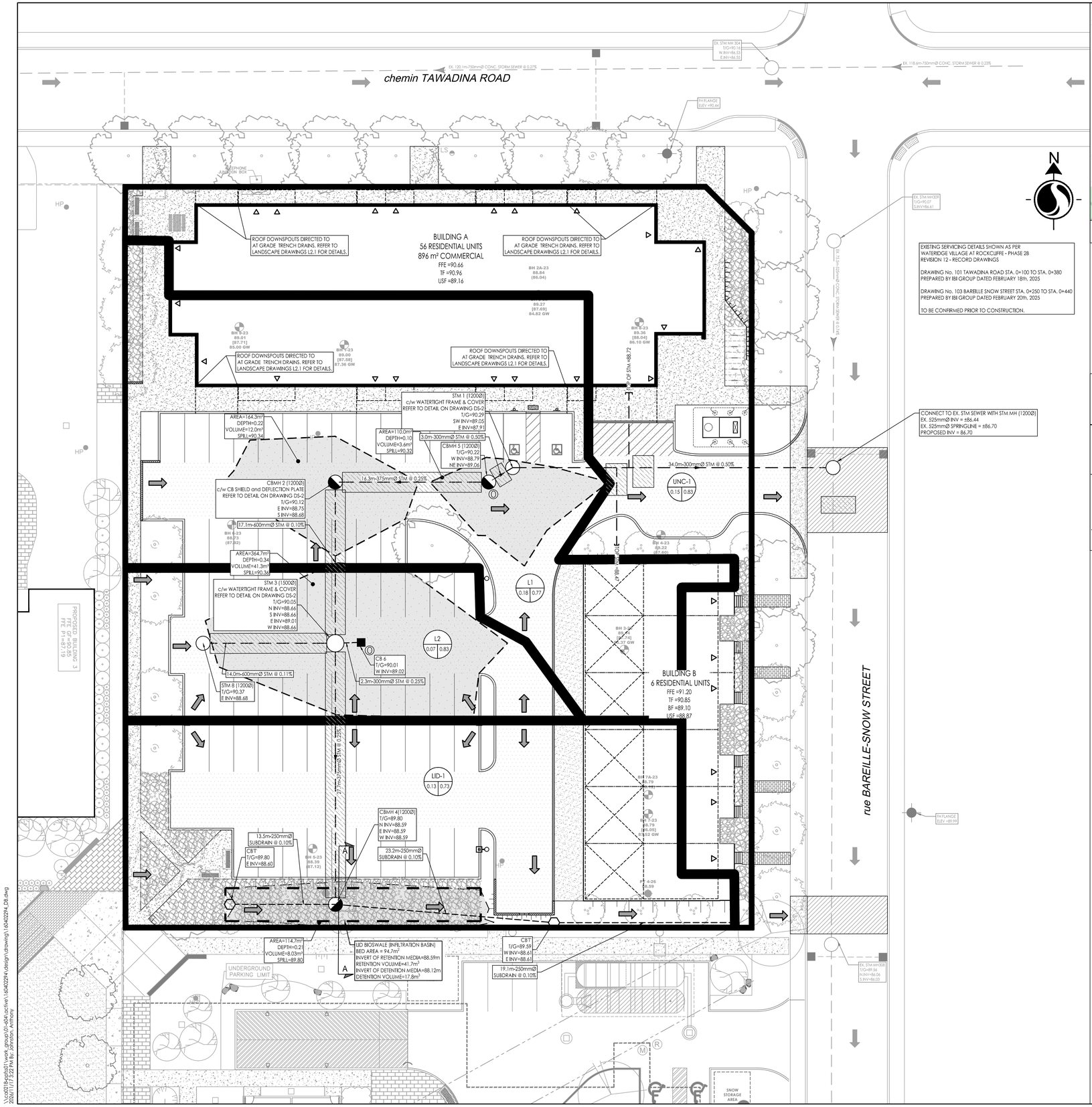
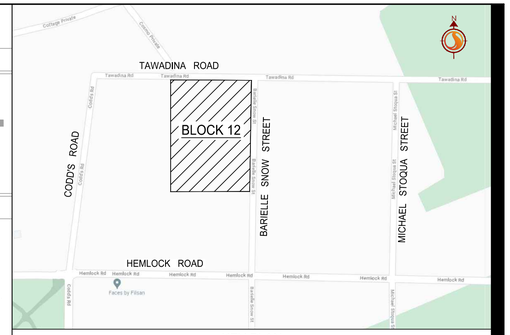


EXISTING SERVICING DETAILS SHOWN AS PER
WATERIDGE VILLAGE AT ROCKCLIFFE - PHASE 2B
REVISION 12 - RECORD DRAWINGS

DRAWING No. 101 TAWADINA ROAD STA. 0+100 TO STA. 0+380
PREPARED BY IBI GROUP DATED FEBRUARY 18th, 2025

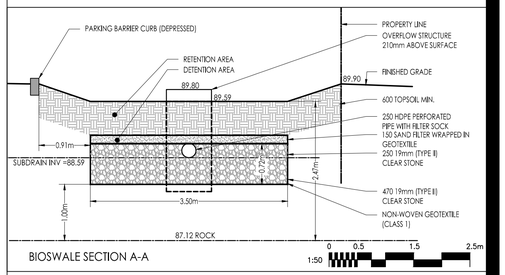
DRAWING No. 103 BARIELLE SNOW STREET STA. 0+250 TO STA. 0+440
PREPARED BY IBI GROUP DATED FEBRUARY 20th, 2025

TO BE CONFIRMED PRIOR TO CONSTRUCTION.



KEY PLAN
N.T.S.

MATERIAL	SPECIFICATION
TOPSOIL COMPOSITION	TOPSOIL MIXTURE TO CONTAIN: 85 TO 88% SAND 8 TO 12% SOIL FINES 3 TO 5% ORGANIC MATTER (LEAF COMPOST) OTHER CRITERIA: PHOSPHOROUS SOIL TEST INDEX (P-INDEX) VALUE BETWEEN 10 TO 30 PPM CATATONIC EXCHANGE CAPACITY (CEC) GREATER THAN 10 meq/100g FREE OF STONES, STUMPS, ROOTS AND OTHER LARGE DEBRIS pH BETWEEN 5.5 TO 7.5 INFILTRATION RATE GREATER THAN 25mm/hr



BIOSWALE SECTION A-A

CONSTRUCTION GUIDANCE AND BEST MANAGEMENT PRACTICES

- ALL FINISH GRADING ACTIVITIES IN THE INFILTRATION BMP SHOULD BE PERFORMED DURING DRY CONDITIONS TO PREVENT SOIL SMEARING AND COMPACTION. DEWATERING MAY BE NECESSARY PRIOR TO COMMENCING WORK.
- EXCAVATION OF THE INFILTRATION BMP SHOULD BE DONE FROM THE OUTSIDE REACHING IN WHEN POSSIBLE. USING A BACK HOE OR BUCKET WITH EXTENSION ARM. A TOOTHED BUCKET IS RECOMMENDED SO COMPACTION CAUSED BY EXCAVATION CAN BE BROKEN UP BY SCARIFYING THE FINISHED SURFACE.
- IF EQUIPMENT IS NEEDED INSIDE THE FACILITY, LOW GROUND PRESSURE RATED OR MARSH TRACK EQUIPMENT SHOULD BE USED TO MINIMIZE COMPACTION.
- ONCE EXCAVATED TO SUBGRADE, THE INFILTRATION BMP BOTTOM AND SIDE SLOPES SHOULD BE SCARIFIED OR TILLED TO LOOSEN COMPACTED SOILS.
- ONCE EXCAVATED TO SUBGRADE, SOIL TYPES AND DESIGN PARAMETERS AND ASSUMPTIONS SHOULD BE CONFIRMED THROUGH IN-SITU PERMEABILITY TESTING (E.G., PERMEAMETER MEASUREMENTS TO DETERMINE HYDRAULIC CONDUCTIVITY). RESULTS OF PERMEABILITY TESTING SHOULD BE REVIEWED BY THE DESIGNER AND, IF NECESSARY, CHANGES TO THE BMP DESIGN MAY BE REQUIRED.

ROCK MATERIAL

CLEAN, WASHED GRANITIC ROCK MATERIAL IS RECOMMENDED. IF LIMESTONE IS USED NO FINES SHOULD BE ASSOCIATED WITH THE MATERIAL

SOURCE: SEE CVC CONSTRUCTION GUIDE FOR ADDITIONAL INFORMATION AND TECHNIQUES

ICD TABLE

CATCHBASIN ID	TRIBUTARY AREA ID	ICD TYPE	5YR HEAD (m)	5YR FLOW (L/s)	100YR HEAD (m)	100YR FLOW (L/s)
CB6	L2	LMF75	0.93	8.6	0.46	6.1
CBMH5	L1,L2, LID	159mm ORIFICE	0.09	21.6	0.65	58.8

Stantec

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Legend

- EXISTING STORM MH AND SEWER
- EXISTING CATCHBASIN
- GEOTECH BOREHOLE REFERENCE
- WATER INFILTRATION TEST-PIT REFERENCE
- L101A / 1.00 / 0.85 — AREA ID; RUNOFF COEFFICIENT
- STORM DRAINAGE AREA ha.
- STORM DRAINAGE BOUNDARY
- DIRECTION OF OVERLAND FLOW
- PROPOSED STORM MANHOLE AND SEWER
- PROPOSED STORM CATCH BASIN MANHOLE AND SEWER
- PROPOSED CATCHBASIN AND LEAD
- PROPOSED CB ELBOW AND PERFORATED SUBDRAIN
- MAXIMUM STATIC PONDING LIMITS
- THERMAL INSULATION ON STORM SEWER WHERE COVER IS LESS THAN 2.0m AND ON SANITARY SEWER WHERE COVER IS LESS THAN 2.5m AS PER S35.
- LOW IMPACT DEVELOPMENT (LID) BASIN

Notes

2	REVISED SITE PLAN SUBMISSION	AJ	DT	26.11.13
1	ISSUED FOR SITE PLAN CONTROL	AJ	DT	26.07.03
Revision		By	Appd.	YY.MM.DD
File Name: 160402294-D8		AJ	AG	AJ	26.04.01
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
ALYSSA LOUISE GLADISH
100584698
2026-11-17
PROVINCE OF ONTARIO

Client/Project
MATTAMY HOMES
1000 TAWADINA ROAD

WATERIDGE BLOCK 12

OTTAWA, ON

Title
STORM DRAINAGE PLAN

Project No.	Scale	Revision
160402294	1:200 (0 2 6 10m)	
Drawing No.	Sheet	
SD-1	7 of 8	2

PLAN# 19513

D07-12-26-0078

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