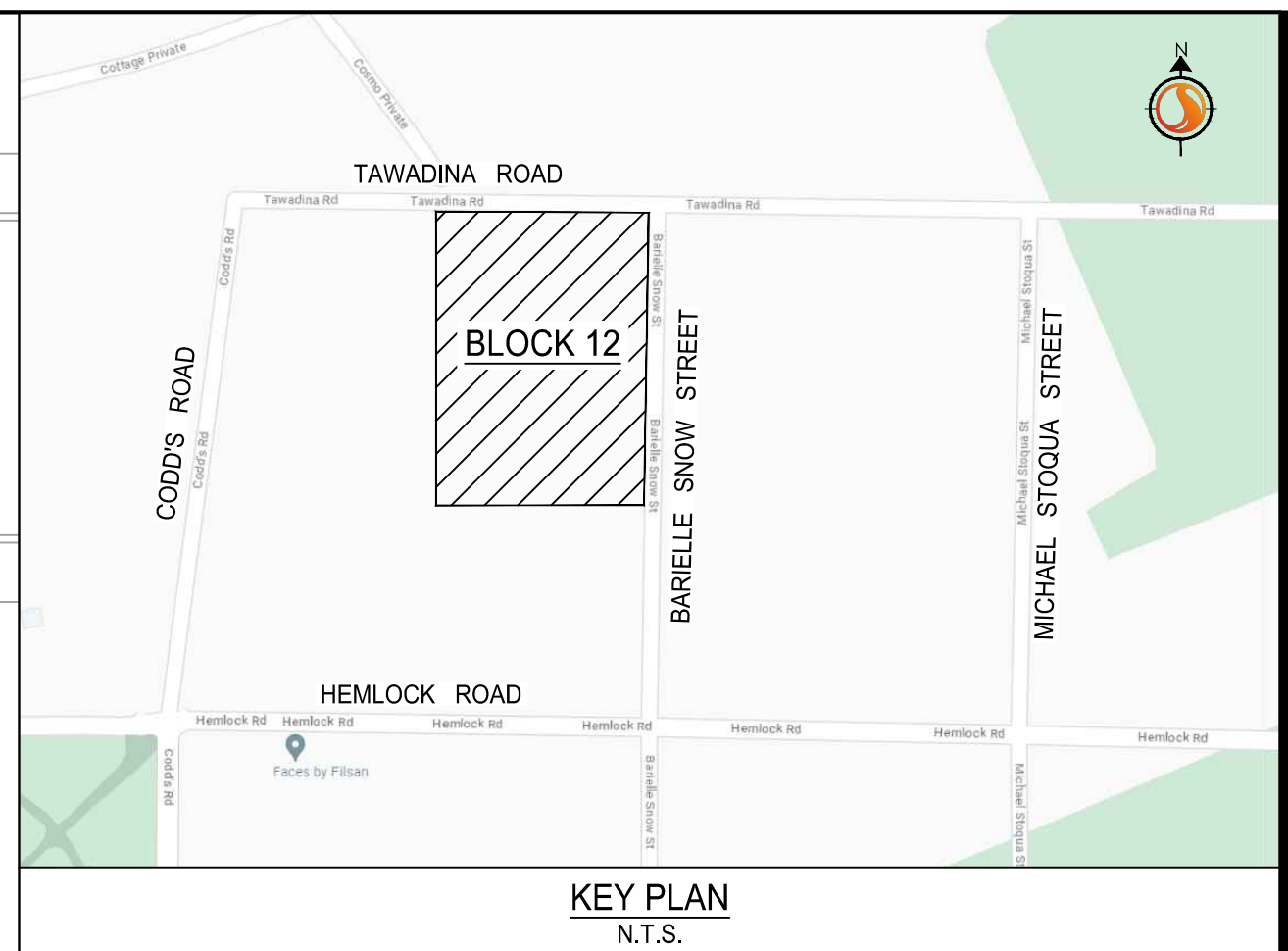
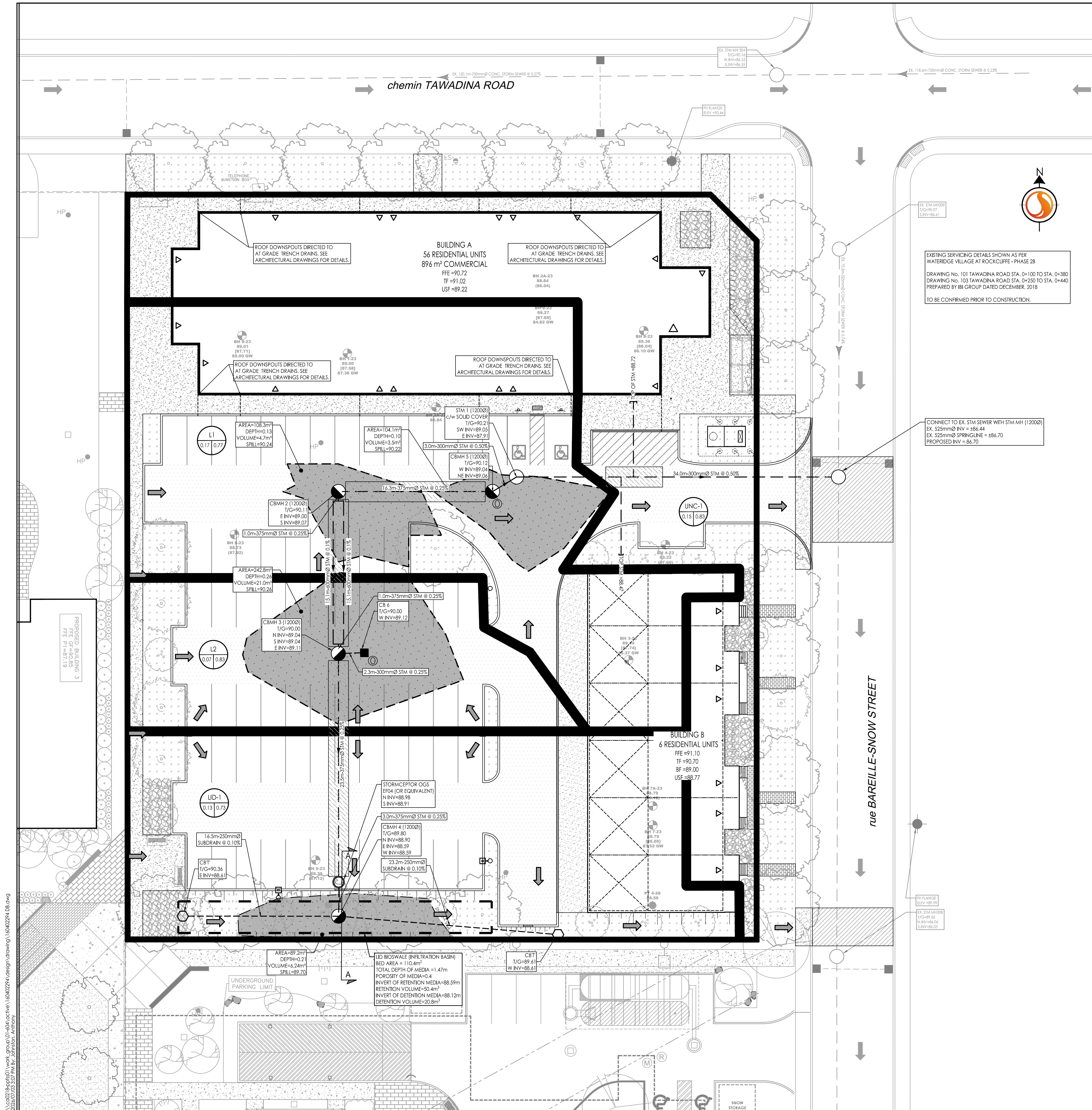
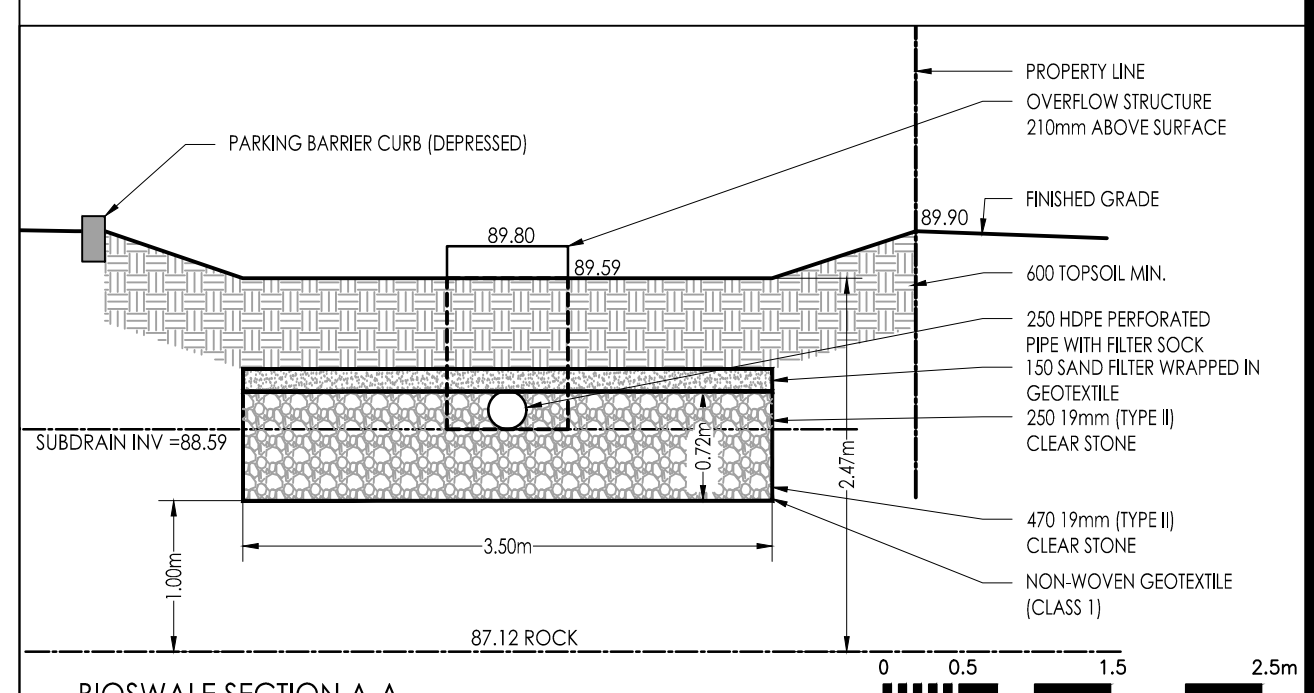




MATERIAL	SPECIFICATION
TOPSOIL COMPOSITION	TOPSOIL MIXTURE TO CONTAIN: 85 TO 88% SAND 8 TO 12% SOIL FINES 3 TO 5% ORGANIC MATTER (LEAF COMPOST) OTHER CRITERIA: PHOSPHOROUS SOIL TEST INDEX (P-INDEX) VALUE BETWEEN 10 TO 30 PPM CATIONIC EXCHANGE CAPACITY (CEC) GREATER THAN 10 meq/100g FREE OF STONES, STUMPS,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



- 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 FLOW (L/s)
CB3A	L2	LWF75	0.93	8.6	0.46
CBMH5	L1, L2, LID	159mm ORHCE	0.09	21.6	0.65

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Legend

- EXISTING STORM MH AND SEWER
- EXISTING CATCHBASIN
- GEOTECH BOREHOLE REFERENCE
- WATER INFILTRATION TEST-PIT REFERENCE

Notes

1	ISSUED FOR SITE PLAN CONTROL	AJ	DT	26.07.03
Revision		By	Appd.	YY.MM.DD
File Name:	160402294-DB	AJ	AG	AJ
		Dwn.	Chkd.	Dsgn.
Permit-Seal				YY.MM.DD

Client/Project

MATTAMY HOMES
1000 TAWADINA ROAD

WATERIDGE BLOCK 12

OTTAWA, ON

Title

STORM DRAINAGE PLAN

Project No.
160402294

Drawing No.

Scale
1:200

Sheet
7 of 8

Revision
1