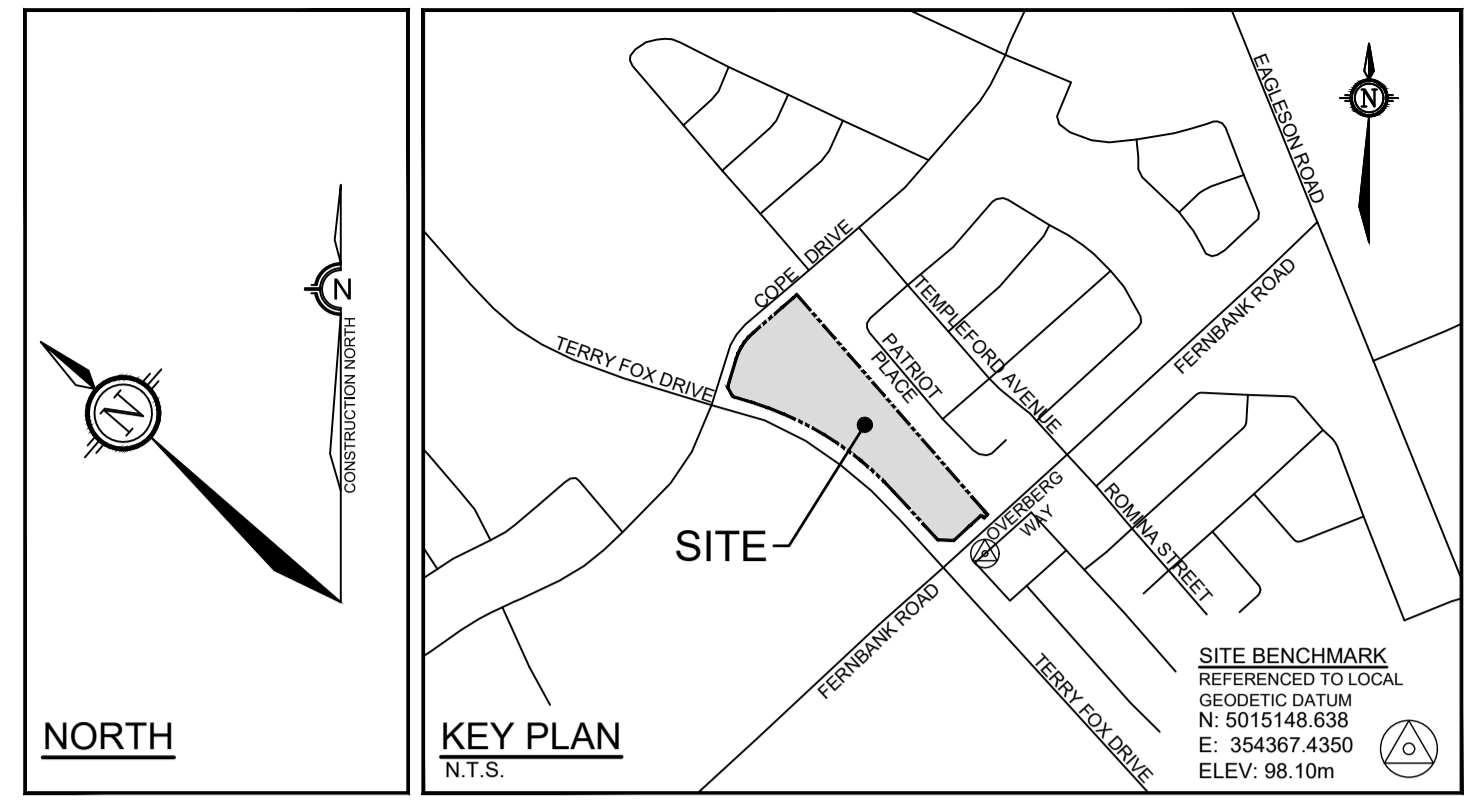


### NOTES:

\*100 YEAR PONDING DEPTH IS GREATER THAN THE STATIC PONDING DEPTH DUE TO CASCADING WATER INTO THE NEXT AREA. THIS HAS BEEN ACCOUNTED FOR IN THE STORMWATER MANAGEMENT REPORT AND CONFORMS TO THE ALLOWABLE RELEASE RATE FROM THE SITE.



PONDING <sup>1</sup>			
CB No.	RIM ELEV. (m)	EVENT	WATER LEVEL ELEV. (DEPTH) (m)
CBMH01	96.85	2yr	(0.00) 96.75
		5yr	(0.06) 96.91
		100yr	(0.19) 97.04
		Static	(0.30) 97.15
		100yr + 20%	(0.23) 97.08
CBMH02	96.70	2yr	(0.00) 96.61
		5yr	(0.11) 96.81
		100yr	(0.30) 97.00
		Static	(0.30) 97.00
		100yr + 20%	(0.34) 97.04
CBMH03	96.85	2yr	(0.00) 96.80
		5yr	(0.12) 96.97
		100yr	(0.31) 97.16
		Static	(0.30) 97.15
		100yr + 20%	(0.32) 97.17
CBMH04	97.15	2yr	(0.00) 97.09
		5yr	(0.12) 97.27
		100yr	(0.29) 97.44
		Static	(0.30) 97.45
		100yr + 20%	(0.31) 97.46
CBMH05	97.30	2yr	(0.00) 96.94
		5yr	(0.06) 97.36
		100yr	(0.16) 97.60
		Static	(0.30) 97.60
		100yr + 20%	(0.19) 97.49

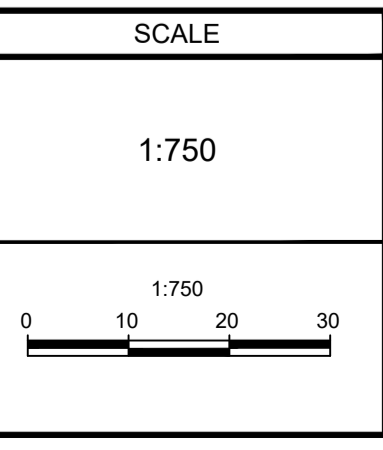
CBMH06	97.35	2yr (0.00) 96.91	RYE05	97.10	2yr (0.00) 97.10
		5yr (0.00) 97.21			5yr (0.19) 97.29
		100yr (0.13) 97.48			100yr (0.42) 97.52
		Static (0.30) 97.65			Static (0.35) 97.45
		100yr + 20% (0.19) 97.54			100yr + 20% (0.47) 97.57
CBMH07	96.95	2yr (0.00) 96.85	RYE06	97.05	2yr (0.00) 96.81
		5yr (0.08) 97.03			5yr (0.00) 97.05
		100yr (0.24) 97.19			100yr (0.30) 97.35
		Static (0.30) 97.25			Static (0.25) 97.30
		100yr + 20% (0.32) 97.27			100yr + 20% (0.35) 97.40
CBMH08	96.85	2yr (0.00) 96.84	RYE07	96.80	2yr (0.00) 96.75
		5yr (0.15) 97.00			5yr (0.11) 96.91
		100yr (0.31) 97.16			100yr (0.25) 97.05
		Static (0.30) 97.15			Static (0.40) 97.20
		100yr + 20% (0.33) 97.18			100yr + 20% (0.30) 97.10
CBMH09	96.80	2yr (0.00) 96.78	RYE08	96.85	2yr (0.00) 96.63
		5yr (0.08) 96.88			5yr (0.05) 96.90
		100yr (0.21) 97.01			100yr (0.31) 97.16
		Static (0.30) 97.10			Static (0.22) 97.07
		100yr + 20% (0.29) 97.09			100yr + 20% (0.35) 97.20
CBMH10	96.85	2yr (0.00) 96.18	RYE09	96.85	2yr (0.00) 96.62
		5yr (0.06) 96.91			5yr (0.00) 96.84
		100yr (0.30) 97.15			100yr (0.19) 97.04
		Static (0.30) 97.15			Static (0.25) 97.10
		100yr + 20% (0.32) 97.17			100yr + 20% (0.23) 97.08
CBMH11	96.80	2yr (0.00) 96.80	RYE10	97.00	2yr (0.00) 96.84
		5yr (0.10) 96.90			5yr (0.00) 97.00
		100yr (0.23) 97.03			100yr (0.17) 97.17
		Static (0.30) 97.10			Static (0.20) 97.20
		100yr + 20% (0.33) 97.13			100yr + 20% (0.21) 97.21
CBMH12	96.83	2yr (0.00) 96.75	RYE11	96.75	2yr (0.04) 96.79
		5yr (0.06) 96.89			5yr (0.13) 96.88
		100yr (0.20) 97.03			100yr (0.27) 97.02
		Static (0.30) 97.13			Static (0.35) 97.10
		100yr + 20% (0.33) 97.16			100yr + 20% (0.34) 97.09
CBMH13	96.83	2yr (0.00) 96.75	RYT01	97.05	2yr (0.00) 96.92
		5yr (0.10) 96.83			5yr (0.16) 97.21
		100yr (0.20) 97.03			100yr (0.32) 97.37
		Static (0.30) 97.13			Static (0.20) 97.25
		100yr + 20% (0.33) 97.16			100yr + 20% (0.35) 97.40
CBMH14	97.25	2yr (0.00) 96.85	RYT02	97.25	2yr (0.00) 96.85
		5yr (0.08) 97.33			5yr (0.08) 97.33
		100yr (0.26) 97.51			100yr (0.25) 97.50
		Static (0.30) 97.55			Static (0.35) 97.60
		100yr + 20% (0.31) 97.56			100yr + 20% (0.28) 97.53
CBMH15	97.30	2yr (0.00) 97.28	RYT03	97.20	2yr (0.00) 96.85
		5yr (0.08) 97.38			5yr (0.13) 97.33
		100yr (0.21) 97.51			100yr (0.31) 97.51
		Static (0.30) 97.60			Static (0.35) 97.55
		100yr + 20% (0.24) 97.54			100yr + 20% (0.36) 97.56
CBMH16	97.45	2yr (0.00) 96.66	RYT04	97.15	2yr (0.00) 97.10
		5yr (0.00) 97.37			5yr (0.14) 97.29
		100yr (0.00) 97.44			100yr (0.37) 97.52
		Static (0.05) 97.50			Static (0.30) 97.45
		100yr + 20% (0.01) 97.46			100yr + 20% (0.42) 97.57
RYE01	96.80	2yr (0.12) 96.92	RYT05	97.05	2yr (0.05) 97.10
		5yr (0.36) 97.16			5yr (0.23) 97.28
		100yr (0.43) 97.23			100yr (0.40) 97.45
		Static (0.30) 97.10			Static (0.35) 97.40
		100yr + 20% (0.45) 97.25			100yr + 20% (0.44) 97.49
RYE02	97.20	2yr (0.00) 96.66	RYT06	96.85	2yr (0.00) 96.80
		5yr (0.17) 97.37			5yr (0.13) 96.98
		100yr (0.24) 97.44			100yr (0.35) 97.20
		Static (0.15) 97.35			Static (0.35) 97.20
		100yr + 20% (0.26) 97.46			100yr + 20% (0.42) 97.27
RYE03	97.25	2yr (0.00) 96.85	RYT07	96.70	2yr (0.00) 96.62
		5yr (0.08) 97.33			5yr (0.13) 96.83
		100yr (0.25) 97.50			100yr (0.34) 97.04
		Static (0.35) 97.60			Static (0.35) 97.05
		100yr + 20% (0.28) 97.53			100yr + 20% (0.38) 97.08
RYE04	97.30	2yr (0.00) 96.85			
		5yr (0.03) 97.33			
		100yr (0.21) 97.51			
		Static (0.30) 97.60			
		100yr + 20% (0.27) 97.57			

BASED ON PCSWMM MODEL (4-HOUR CHICAGO STORM DISTRIBUTION)

NOTE: THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS. AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

No.	REVISION	DATE	BY
1.	ISSUED FOR CITY OF OTTAWA REVIEW	JUN 2/21	DBB



DESIGN	DBB
CHECKED	MSP
DRAWN	ATE
CHECKED	DBB
APPROVED	MSP

**FOR REVIEW ONLY**

LICENSED PROFESSIONAL ENGINEER  
 D. D. BLAIR  
 100122737  
 June 2 2021  
 PROVINCE OF ONTARIO

**NOVATECH**  
 Engineers, Planners & Landscape Architects  
 Suite 200, 240 Michael Cowpland Drive  
 Ottawa, Ontario, Canada K2M 1P6  
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 Website www.novatech-eng.com

CITY OF OTTAWA 5331 FERNBANK ROAD FERNBANK ZENS		PROJECT No. 121011-00
DRAWING NAME STORM DRAINAGE AREA PLAN		REV # 1
		DRAWING No. 121011-STM