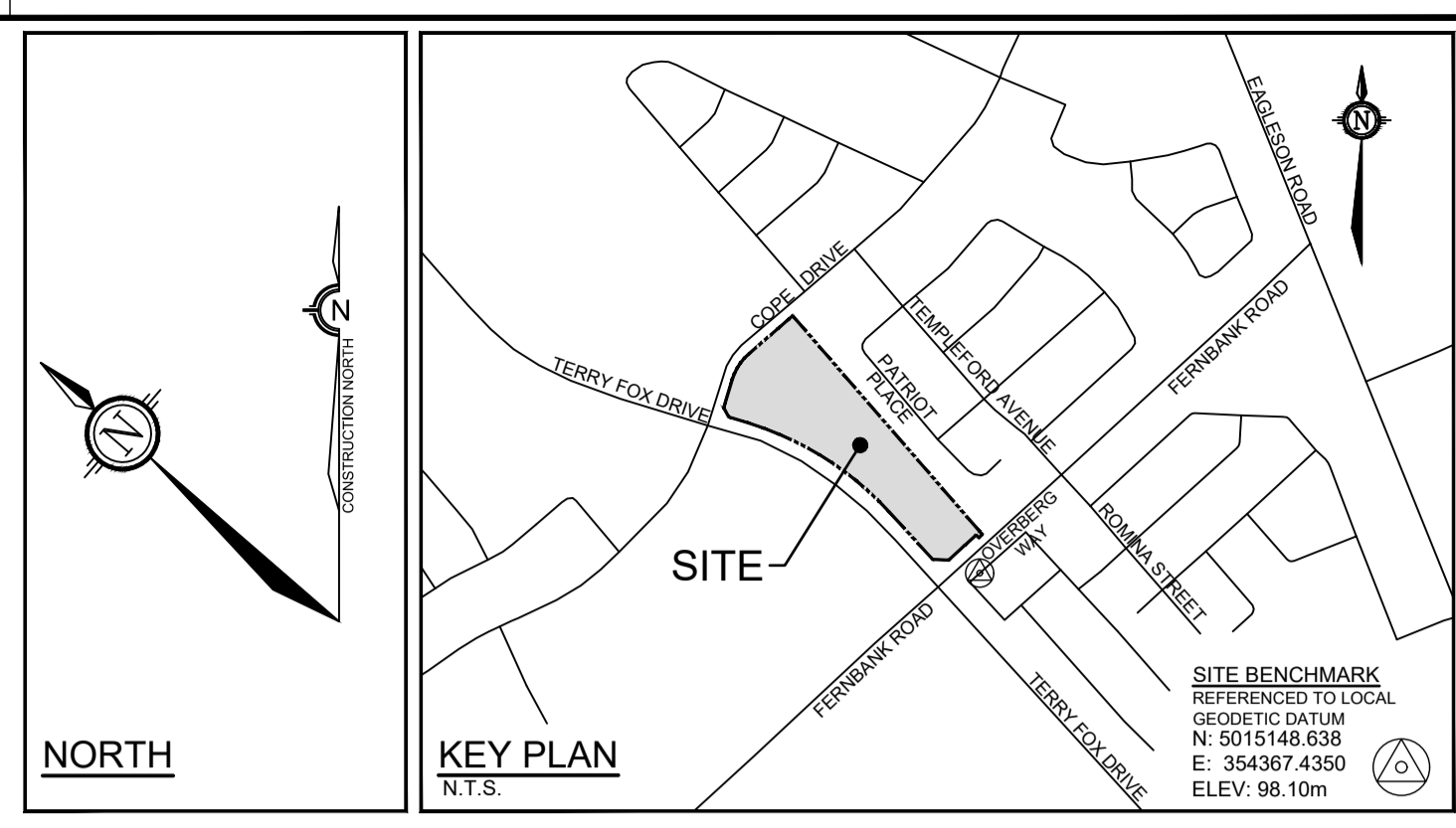


NOTES:
 *100 YEAR PONDING DEPTH IS GREATER THAN THE STATIC PONDING DEPTH DUE TO CASCADING WATER INTO THE NEXT AREA. THIS HAS BEEN ACCOUNTED FOR IN THE STORMWATER MANAGEMENT REPORT AND CONFORMS TO THE ALLOWABLE RELEASE RATE FROM THE SITE.



PONDING ¹			
CB No.	RIM ELEV. (m)	EVENT	WATER LEVEL ELEV. (DEPTH) (m)
CBMH10	96.85	2yr	(0.00) 96.21
		5yr	(0.08) 96.93
		100yr	(0.31) 97.16
		Static	(0.30) 97.15
CBMH11	96.80	2yr	(0.00) 96.80
		5yr	(0.10) 96.90
		100yr	(0.23) 97.03
		Static	(0.30) 97.10
CBMH12	96.83	2yr	(0.35) 97.15
		5yr	(0.00) 96.67
		100yr	(0.27) 97.10
		Static	(0.30) 97.13
CBMH13	96.83	2yr	(0.00) 96.70
		5yr	(0.13) 96.96
		100yr	(0.27) 97.10
		Static	(0.30) 97.13
CBMH14	97.25	2yr	(0.00) 97.20
		5yr	(0.14) 97.39
		100yr	(0.30) 97.55
		Static	(0.30) 97.55
CBMH15	97.30	2yr	(0.32) 97.57
		5yr	(0.00) 97.28
		100yr	(0.07) 97.37
		Static	(0.18) 97.48
CBMH16	97.45	2yr	(0.00) 97.40
		5yr	(0.00) 96.31
		100yr	(0.00) 97.11
		Static	(0.00) 97.11
RYE01	97.45	2yr	(0.00) 96.94
		5yr	(0.00) 97.11
		100yr	(0.13) 97.58
		Static	(0.15) 97.60
RYE02	97.20	2yr	(0.19) 97.64
		5yr	(0.00) 95.78
		100yr	(0.00) 96.05
		Static	(0.00) 97.21
RYE03	97.70	2yr	(0.15) 97.35
		5yr	(0.15) 97.35
		100yr	(0.43) 97.48
		Static	(0.35) 97.40
RYE04	97.30	2yr	(0.00) 96.43
		5yr	(0.00) 97.40
		100yr	(0.00) 97.53
		Static	(0.25) 97.95
RYE05	97.35	2yr	(0.00) 97.53
		5yr	(0.00) 97.20
		100yr	(0.09) 97.39
		Static	(0.25) 97.60
RYE06	97.05	2yr	(0.14) 97.49
		5yr	(0.00) 96.44
		100yr	(0.00) 96.98
		Static	(0.29) 97.34
RYE07	96.85	2yr	(0.25) 97.30
		5yr	(0.25) 97.30
		100yr	(0.36) 97.41
		Static	(0.36) 97.41
RYE08	96.85	2yr	(0.00) 96.75
		5yr	(0.07) 96.92
		100yr	(0.20) 97.05
		Static	(0.35) 97.20
RYE09	97.55	2yr	(0.25) 97.10
		5yr	(0.00) 96.30
		100yr	(0.00) 96.85
		Static	(0.30) 97.15

PONDING ¹			
CB No.	RIM ELEV. (m)	EVENT	WATER LEVEL ELEV. (DEPTH) (m)
RYE09	96.85	2yr	(0.00) 96.29
		5yr	(0.00) 96.80
		100yr	(0.14) 96.99
		Static	(0.25) 97.10
RYE10	97.00	2yr	(0.00) 96.78
		5yr	(0.00) 97.00
		100yr	(0.17) 97.17
		Static	(0.20) 97.20
RYE11	96.80	2yr	(0.21) 97.21
		5yr	(0.00) 96.35
		100yr	(0.23) 97.03
		Static	(0.30) 97.10
RYE12	97.25	2yr	(0.00) 97.11
		5yr	(0.00) 97.20
		100yr	(0.30) 97.55
		Static	(0.30) 97.55
RYT01	97.30	2yr	(0.33) 97.58
		5yr	(0.00) 97.11
		100yr	(0.28) 97.58
		Static	(0.35) 97.65
RYT02	97.25	2yr	(0.34) 97.64
		5yr	(0.00) 97.20
		100yr	(0.14) 97.39
		Static	(0.28) 97.53
RYT03	97.25	2yr	(0.35) 97.65
		5yr	(0.00) 97.20
		100yr	(0.28) 97.53
		Static	(0.35) 97.65
RYT04	97.15	2yr	(0.33) 97.58
		5yr	(0.00) 97.03
		100yr	(0.13) 97.28
		Static	(0.30) 97.45
RYT05	97.05	2yr	(0.33) 97.48
		5yr	(0.00) 96.43
		100yr	(0.00) 97.03
		Static	(0.23) 97.28
RYT06	96.85	2yr	(0.40) 97.45
		5yr	(0.00) 97.16
		100yr	(0.35) 97.40
		Static	(0.35) 97.40
RYT07	96.70	2yr	(0.43) 97.48
		5yr	(0.00) 96.43
		100yr	(0.00) 96.94
		Static	(0.31) 97.16
RYT08	97.20	2yr	(0.35) 97.20
		5yr	(0.00) 96.29
		100yr	(0.09) 96.79
		Static	(0.29) 96.99
RYT09	97.55	2yr	(0.35) 97.05
		5yr	(0.00) 97.00
		100yr	(0.29) 96.99
		Static	(0.35) 97.05

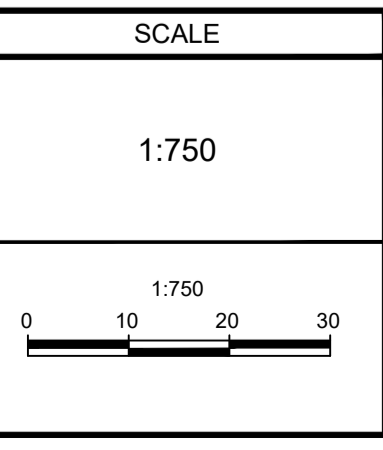
28m-600mmØ CSP CULVERT @ 0.5%
 INV. NW=96.67 OBV.=97.27
 INV. SE=96.53 OBV.=97.13

PONDING ¹			
CB No.	RIM ELEV. (m)	EVENT	WATER LEVEL ELEV. (DEPTH) (m)
CBMH01	96.85	2yr	(0.00) 96.75
		5yr	(0.00) 96.91
		100yr	(0.19) 97.04
		Static	(0.30) 97.15
CBMH02	96.70	2yr	(0.00) 96.29
		5yr	(0.09) 96.79
		100yr	(0.29) 96.99
		Static	(0.30) 97.00
CBMH03	96.85	2yr	(0.36) 97.06
		5yr	(0.00) 96.94
		100yr	(0.31) 97.16
		Static	(0.30) 97.15
CBMH04	97.15	2yr	(0.21) 97.19
		5yr	(0.00) 97.03
		100yr	(0.12) 97.27
		Static	(0.30) 97.45
CBMH05	97.30	2yr	(0.00) 96.43
		5yr	(0.00) 96.31
		100yr	(0.00) 97.11
		Static	(0.23) 97.58
CBMH06	97.35	2yr	(0.30) 97.45
		5yr	(0.00) 97.65
		100yr	(0.29) 97.64
		Static	(0.30) 97.65
CBMH07	96.95	2yr	(0.14) 97.49
		5yr	(0.00) 96.85
		100yr	(0.08) 97.03
		Static	(0.30) 97.25
CBMH08	96.85	2yr	(0.32) 97.27
		5yr	(0.00) 96.78
		100yr	(0.15) 97.00
		Static	(0.30) 97.15
CBMH09	96.80	2yr	(0.32) 97.17
		5yr	(0.00) 96.35
		100yr	(0.00) 96.85
		Static	(0.30) 97.10

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
2.	REVISED PER CITY COMMENTS	NOV 5/21	DDB
1.	ISSUED FOR CITY OF OTTAWA REVIEW	JUN 2/21	DDB



DESIGN	DDb
CHECKED	MSP
DRAWN	ATE
CHECKED	DDb
APPROVED	MSP

FOR REVIEW ONLY

PROFESSIONAL ENGINEER
 D. D. BLAIR
 103122737
 NOV 5 2021
 PROVINCE OF ONTARIO

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 Ottawa, Ontario, Canada K2M 1P6
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 Facsimile (613) 254-5867
 Website www.novatech-eng.com

CITY OF OTTAWA
 5331 FERNBANK ROAD
 FERNBANK ZENS

DRAWING NAME
STORM DRAINAGE AREA PLAN

PROJECT No.
 121011-00

REV # 2
 REV # 2

DRAWING No.
 121011-STM
 #18539

M:\2021\121011\121011-STM.dwg: STM, Nov 08, 2021 - 8:34am, mmckeeough

D07-12-21-0080