

LEGEND

EXISTING REMOTE WATER METER

EXISTING WATER METER

EXISTING LIGHT STANDARD

EXISTING FIRE HYDRANT

EXISTING HYDRO POLE

EXISTING CATCHBASIN

EXISTING VALVE & VALVE BOX

EXISTING SANITARY MANHOLE

EXISTING STORM MANHOLE

EXISTING STORM SINKER

EXISTING OVERHEAD HYDRO

PROPERTY LINE

PROPOSED CATCHBASIN

PROPOSED RETAINING WALL

PROPOSED HEAVY DUTY ASPHALT

PROPOSED LIGHT DUTY ASPHALT

100-YEAR PONDING LIMIT

PROPOSED WATERMAN

RUNOFF COEFFICIENT

AREA (ha)

DRAINAGE AREA ID

OVERLAND FLOW DIRECTION

PROPOSED CONCRETE

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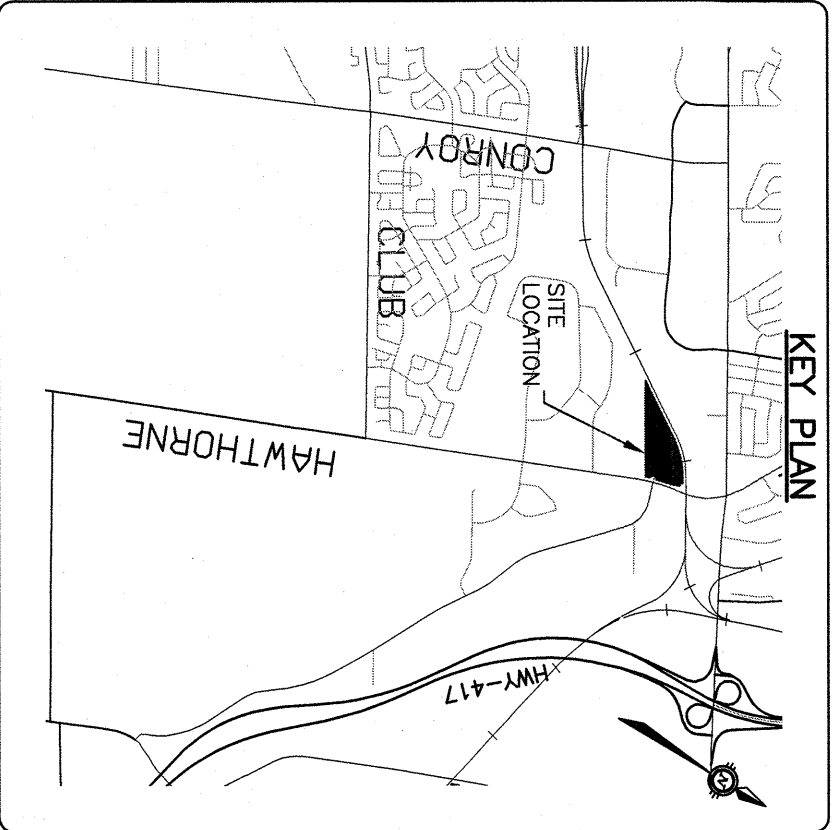
OVERLAND FLOW DIRECTION

PROPOSED CONCRETE

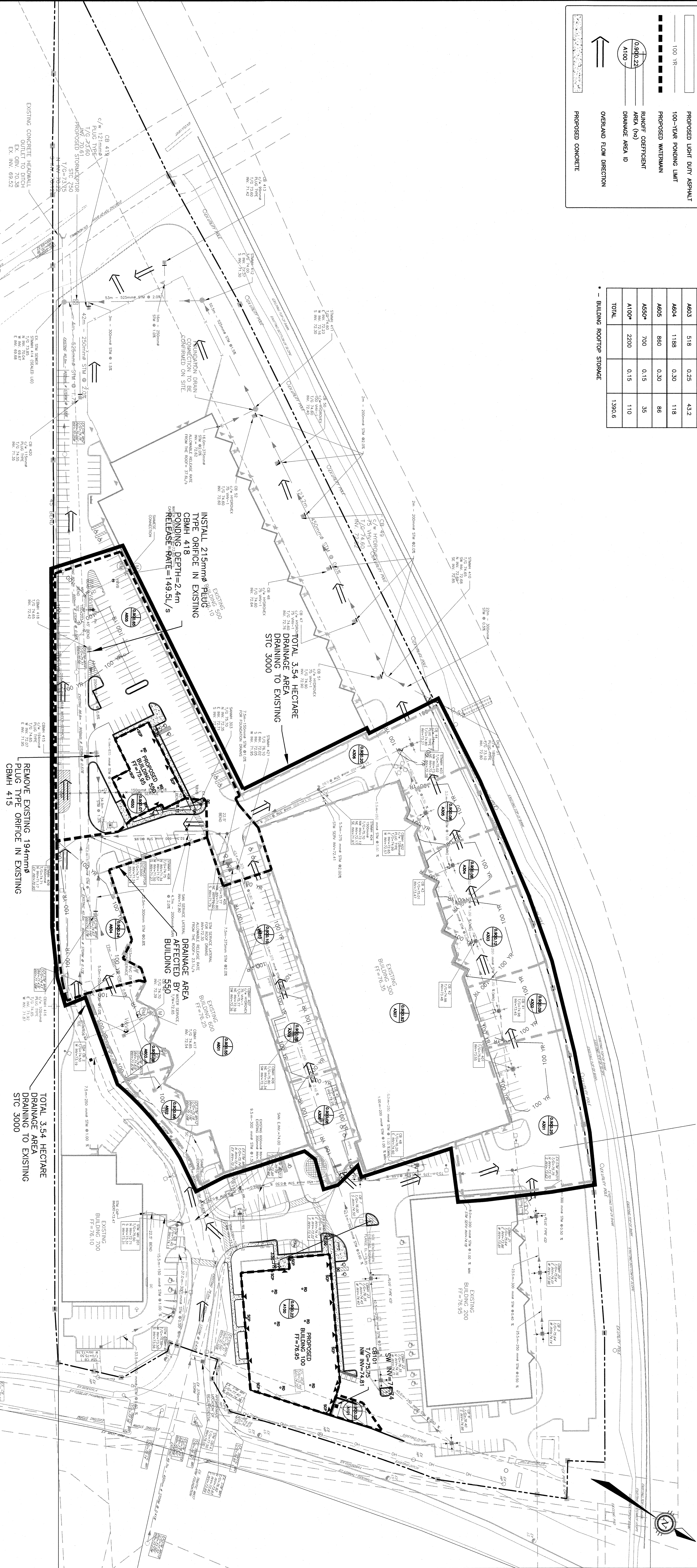
100 YEAR SURFACE STORAGE VOLUMES

DRAINAGE AREA ID	AREA (sq.m)	DEPTH (m)	VOLUME (cub.m)
A301	482	0.26	42.6
A302	475	0.26	41.2
A303	626	0.26	54.3
A304	451	0.26	39.1
A305	424	0.26	36.8
A306	254	0.3	25.4
A307*	9400	0.12	388
A308	492	0.25	41.0
A309	476	0.25	39.7
A310	600	0.25	50.0
A801*	5500	0.125	229.8
A802	155	0.20	10.3
A803	518	0.25	43.2
A804	1188	0.30	118
A805	860	0.30	86
A550*	700	0.15	35
A100*	2200	0.15	110
TOTAL			1390.6

* - BUILDING ROOFTOP STORAGE



ICD SUMMARY TABLE				
Location	Existing/Proposed	Controlled Release (L/s)	Outlet Pipe Dia. (mm)	Plug Type
ST1MH 402	Existing	54.2	457	128
CB 44	Existing	62	254	154
CBMH 407	Existing	10.0	381	N/A
CBMH 416	Existing	40.0	305	108
CBMH 415	Proposed	149.5	254	215



CAUTION

THE POSITION OF ALL POLE LINES, UNDERGROUND SERVICES AND OTHER UTILITIES ARE NOT NECESSARILY SHOWN ON THE CONTACT DRAWINGS, AND THE LOCATION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE CONSTRUCTION OF SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

PRELIMINARY
NOT FOR CONSTRUCTION

REV	REVISION DESCRIPTION	DATE	BY	APPD	REV	REVISION DESCRIPTION	DATE	BY	APPD
1	SUBMITTED FOR SITE APPLICATION	17/12/18	AE	AA	2	REVISED AS PER CITY COMMENTS	22/03/19	AE	AA

SCALE

0 5m 10m 20m

HORIZONTAL

1:750

VERTICAL

1:750

1

DESIGNED BY

EXP. ENGINEERING INC.

22/12/2019

LICENCED PROFESSIONAL ENGINEER

M.A. ANSARI

PROVINCE OF ONTARIO

CONTROLLEX CORPORATION

100-223 COLONNADE ROAD SOUTH

OTTAWA, ON. K2E 7K3

613.723.7490

exp.

EXP. ENGINEERING INC.

22/12/2019

LICENCED PROFESSIONAL ENGINEER

M.A. ANSARI

PROVINCE OF ONTARIO

PROJECT NO.

OTT-250557-40

DATE

DECEMBER 2018

DESIGNED BY

AA/ML

CHECKED BY

AA/ML

PROJECT MANAGER

AA

APPROVED BY

AA

3020 HAWTHORNE ROAD

BUILDING 100 AND 550

OTTAWA, ONTARIO.

STORMWATER MANAGEMENT PLAN

SWM