

PH2A - 100 YEAR SURFACE STORAGE VOLUMES

Ponding Location	Surface Area (m2)	Ponding Depth (m)	Volume (m3)
CB102	132	0.30	13.2
CB103	368.00	0.30	36.8
CB104	342.00	0.30	34.2
CB105	86.0	0.30	8.6
CB106	82.0	0.30	8.2
CB107	309.0	0.30	30.9
CB108	401.0	0.30	40.1
CBMH203	184	0.35	21.5
Total Volume			193.5

ORIFICE SUMMARY

CBMH203		ORIFICE			
Event	Flow (L/s)	Head (m)	AREA (m ²)	SQUARE (1-side mm)	CIRC (mmØ)
2 Year	28.0	2.75	0.006	80	90
100 Year	29.5	3.05	0.006	80	90

PH2B - 100 YEAR SURFACE STORAGE VOLUMES

Ponding Location	Surface Area (m2)	Ponding Depth (m)	Volume (m3)
CB101	217	0.35	25.3
Total Volume			25.3

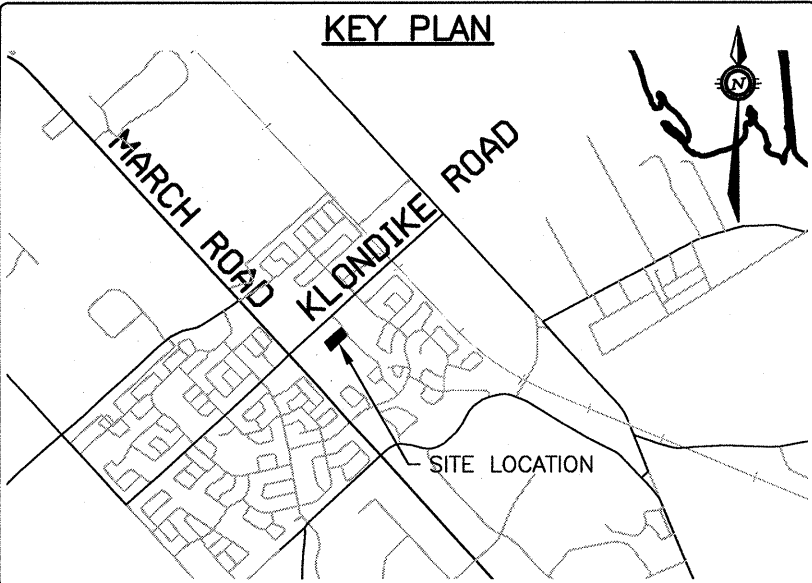
CB101		ORIFICE			
Event	Flow (L/s)	Head (m)	AREA (m ²)	SQUARE (1-side mm)	CIRC (mmØ)
2 Year	0.0	0.00	0.004	66	75
100 Year	17.6	2.25	0.004	66	75

PH2C - 100 YEAR SURFACE STORAGE VOLUMES

Ponding Location	Surface Area (m2)	Ponding Depth (m)	Volume (m3)
Roof	1140	0.15	57
Total Volume			57.0

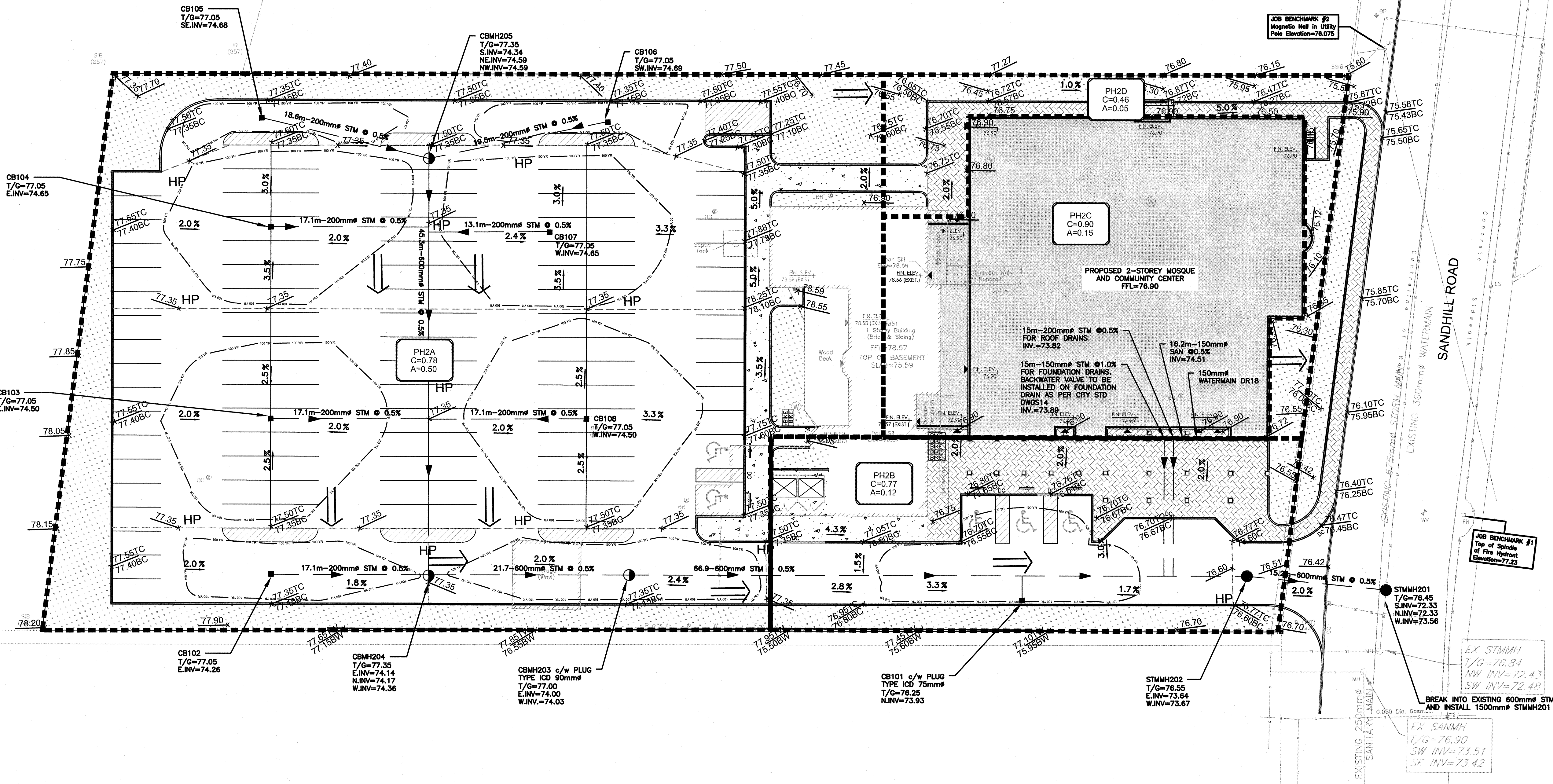
PHASE 2 STORMWATER MANAGEMENT SUMMARY

Area ID	Area (ha)	Runoff Coefficient 'C'	2 Year Release (L/s)	2 Year storage required (m ³)	2 Year underground storage provided (m ³)	100 Year Release (L/s)	100 Year storage required (m ³)	100 Year surface storage provided (m ³)
PH2A	0.498	0.78	28.0	35.1	35.1	29.5	173.3	193.5
PH2B	0.118	0.77	15.6	0.0	0.0	17.6	24.9	25.3
PH2C	0.145	0.90	7.0	13.9	57.0	10.0	48.7	57.0
PH2D	0.045	0.46	3.5	0.0	0.0	10.2	0.0	0.0
TOTAL	0.81							
Totals:			54.2	49.0	92.1	67.4	246.8	275.8
Total Allowable Release L/s			68.55					



LEGEND

- PROPOSED STORM SEWER
- PROPOSED STORM MANHOLE
- PROPOSED STORM CATCHBASIN MANHOLE
- PROPOSED STORM CATCHBASIN
- PROPOSED ELEVATION
- A1 C=0.90 RUNOFF COEFFICIENT
- A=0.034 AREA (ha)
- OVERLAND FLOW DIRECTION
- PARKING LOT PONDING AREAS 100 YEAR LIMIT



APPROVED ☐ REFUSED ☐

THIS _____ DAY OF _____, 20____

DERRICK MOODIE, MANAGER
DEVELOPMENT REVIEW WEST
PLANNING INFRASTRUCTURE AND ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

CAUTION
THE POSITION OF ALL POLE LINES,
CONDUITS, WATERMAINS, 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 DESCRIPTION	DATE	BY	APPD
2	ISSUED FOR SITE PLAN APPROVAL	29/06/18	AE	AA
1	ISSUED FOR SITE PLAN APPROVAL	13/09/17	ML	AA

DESIGNED BY

REVIEWED BY

CLIENT

exp. Services Inc.

exp. Services Inc.

exp. Services Inc.

KANATA MUSLIM ASSOCIATION
832 MARCH ROAD, OTTAWA, ON.
K2W 0C9
613.973.5000

PROJECT No. OTT-00238504-A0

PROJECT KMA MOSQUE AND COMMUNITY CENTRE
351 SANDHILL ROAD, OTTAWA, ON

TITLE STORMWATER MANAGEMENT PLAN
PHASE 2

SWM-2