ROOF PLAN SUMMARY

Area #	100-year Ponding Depth (mm)	Ponding Area (m2)	Required Ponding Volume (m3)	Available Ponding Volume (m3)	Weir Type	Weir Position	Discharge Rate Per Drain (L/sec)
PH2C-1	137	266	10.1	13.3	WATTS ACCUTROL	3-1/4 open	0.91
PH2C-2	126	132	3.9	6.6	WATTS ACCUTROL	3-1/4 open	0.87
PH2C-3	132	195	6.7	9.8	WATTS ACCUTROL	3-1/4 open	0.89
PH2C-4	146	266	12.3	13.3	WATTS ACCUTROL	3-1/4 open	0.93
PH2C-5	137	265	10.1	13.3	WATTS ACCUTROL	3-1/4 open	0.91
PH2C-6	148	80	3.9	4.0	WATTS ACCUTROL	3-1/4 open	0.94
PH2C-7	148	80	3.9	4.0	WATTS ACCUTROL	3-1/4 open	0.94
	Total	**1283.39**	**50.83**	**64.17**			**6.38**

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	0.484	0.80	28.3	34.6	44.3	29.4	171.4	193.5
PH2B	0.088	0.90	12.6	0.9	3.9	13.1	19.6	22.3
PH2C	0.146	0.90	4.3	18.9	64.2	6.4	50.8	64.2
PH2D	0.092	0.41	6.6	0.0	0.0	19.0	0.0	0.0
TOTAL	**0.81**		**51.8**	**54.3**	**112.4**	**67.8**	**241.8**	**280.0**
			Total Allowable Release L/s		**68.88**			

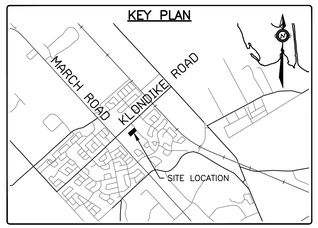
PH2A – 100 YEAR SURFACE STORAGE VOLUMES

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
CBMH202	184	0.35	21.5
		Total Volume	***193.5***

PH2B – 100 YEAR SURFACE STORAGE VOLUMES

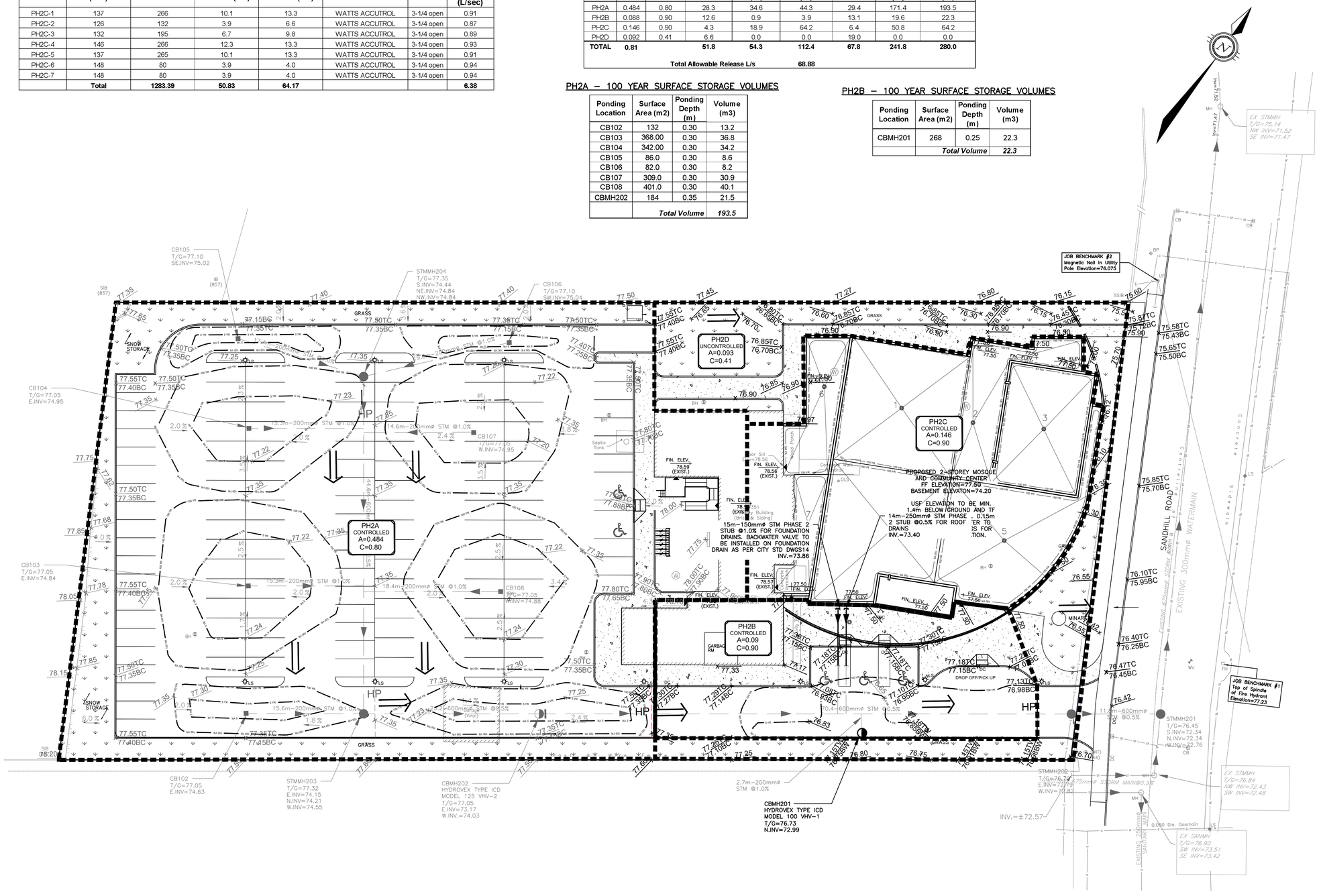
Ponding Location	Surface Area (m2)	Ponding Depth (m)	Volume (m3)
CBMH201	268	0.25	22.3
		Total Volume	***22.3***

KEY PLAN



LEGEND

- PROPOSED STORM SEWER
- PROPOSED STORM MANHOLE
- PROPOSED STORM CATCHBASIN MANHOLE
- PROPOSED STORM CATCHBASIN
- PROPOSED LIGHT STANDARD
- 76.40 – PROPOSED ELEVATION
- A1 C=0.90 A=0.034 – DRAINAGE AREA ID / RUNOFF COEFFICIENT / AREA (ha)
- PROPOSED HEAVY DUTY PAVEMENT
- PROPOSED LIGHT DUTY PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED LANDSCAPED AREA
- PROPOSED SILT FENCE
- OVERLAND FLOW DIRECTION
- PARKING LOT PONDING AREAS 100 YEAR LIMIT
- PROPOSED SUBDRAIN
- PARKING LOT PONDING AREAS 5 YEAR LIMIT



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.

NO.	REVISION DESCRIPTION	DATE	BY	APPD
8	REVISED AS PER CITY COMMENTS	20/06/22	AJ	AA
7	REVISED AS PER THE REVISED PHASE 2 SITE PLAN	10/02/22	AJ	AA
6	REMOVED RETAINING WALL AT SOUTH PROPERTY LINE	24/05/19	AE	AA
5	REVISED AS PER CITY COMMENTS	16/04/19	AE	AA
4	REVISED AS PER CITY COMMENTS	19/02/19	AE	AA
3	REVISED AS PER CITY COMMENTS	02/11/18	AE	AA
2	ISSUED FOR SITE PLAN APPROVAL	29/06/18	AE	AA
1	ISSUED FOR SITE PLAN APPROVAL	13/09/17	ML	AA

SCALE: HORIZONTAL 1:250
NORTH
DESIGNED BY
REVIEWED BY
LICENSED PROFESSIONAL ENGINEER M.A. ANSARI PROVINCE OF ONTARIO

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

TITLE
STORMWATER MANAGEMENT PLAN
PHASE 2

PROJECT No. OTT-00238504-A0
SURVEY F M & W
DATE 2016-12-09
DRAWING No. SWM-2

D07-12-22-0036

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