

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

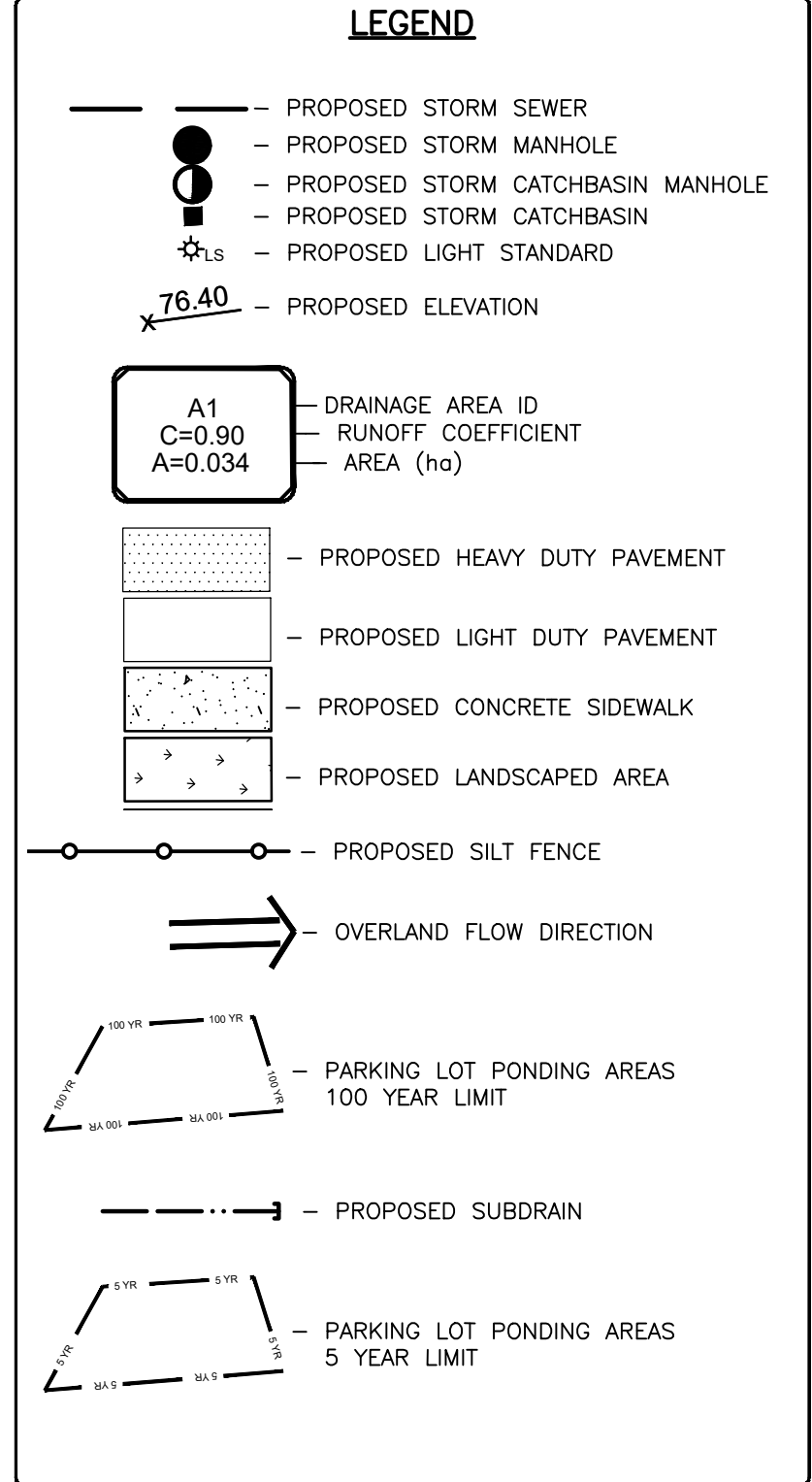
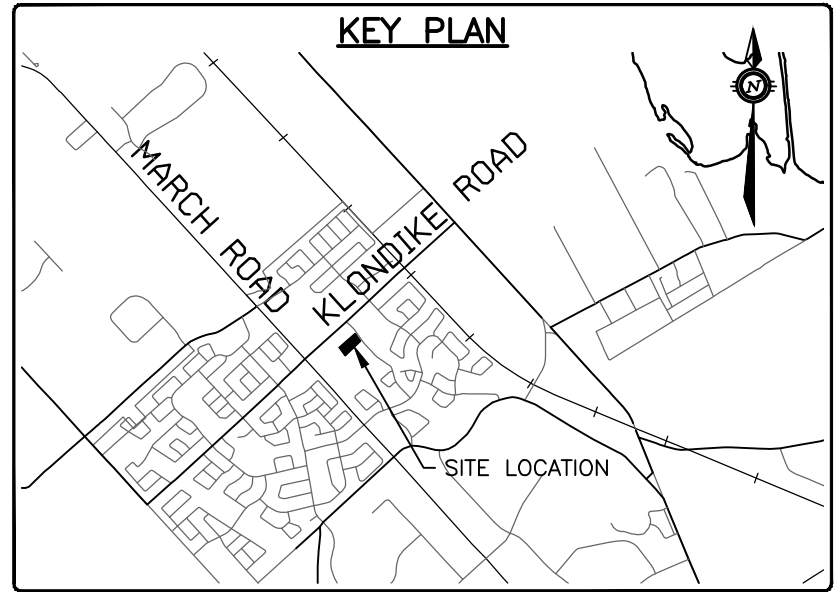
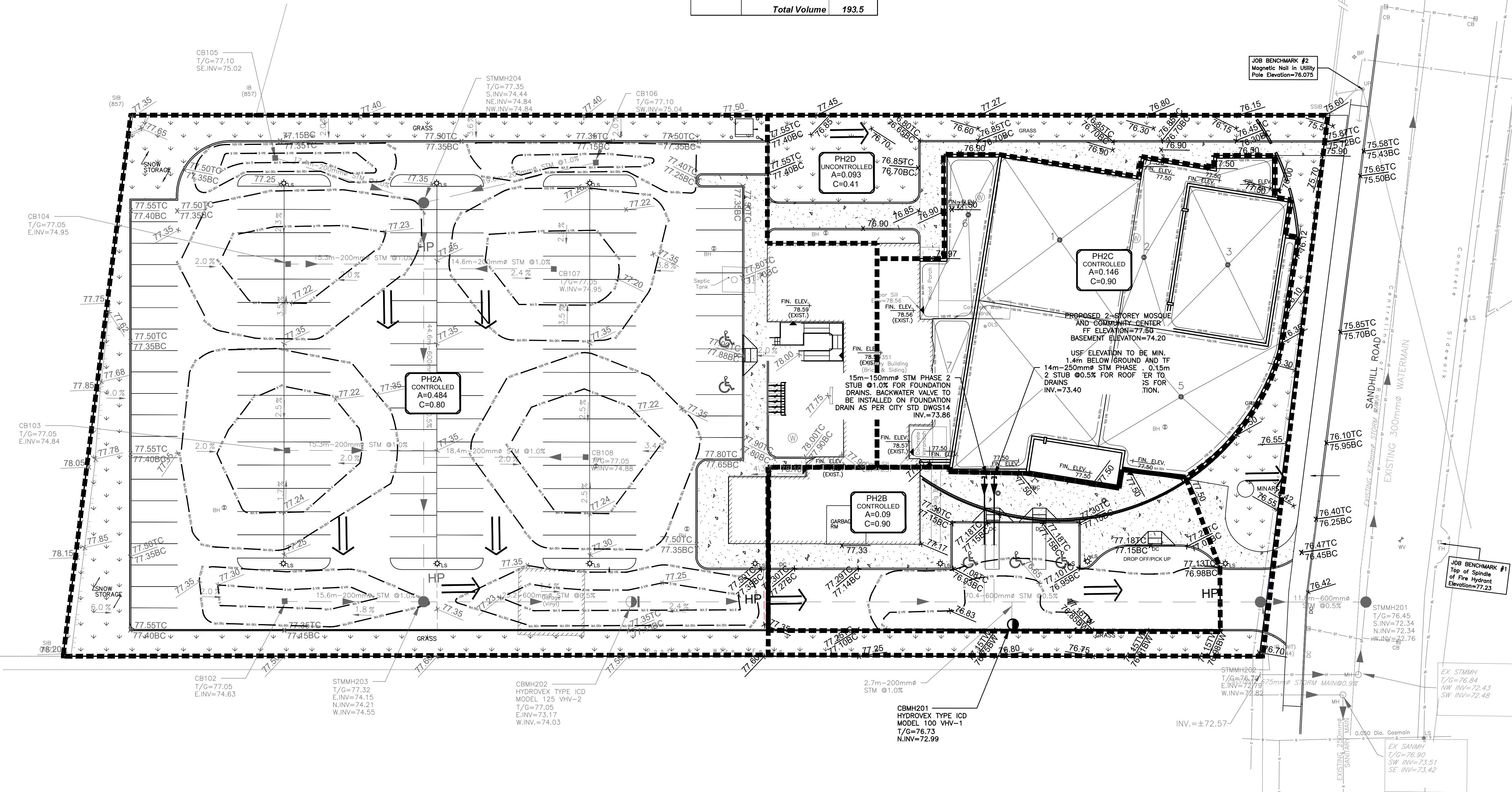
Area ID	Area (ha)	Runoff Coefficient 'C'	2 Year Release (L/s)	2 Year storage required (m³)	2 Year underground storage provided (m³)	100 Year Release (L/s)	100 Year storage required (m³)	100 Year surface storage provided (m³)
PH2A	0.484	0.80	28.3	34.6	44.3	29.4	171.4	193.5
PH2B	0.088	0.90	12.6	0.9	3.9	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

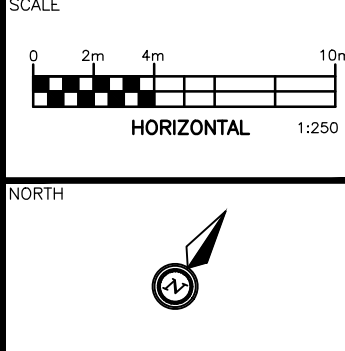


Lisa Stern
LISA STERN
 PLANNER
 PLANNING, INFRASTRUCTURE & ECONOMIC
 DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

APPROVED
 By Lisa Stern at 9:50 am, Sep 15, 2022

CAUTION
 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.

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



DESIGNED BY
 REVIEWED BY
 CLIENT
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PROJECT	PROJECT NO.
KMA MOSQUE AND COMMUNITY CENTRE 351 SANDHILL ROAD, OTTAWA, ON	OTT-00238504-AG
DESIGN	DATE
ML	2016-12-09
CHECKED	DRAWING NO.
AA	SWM-2
CAD	PROJECT MANAGER
ML	AA
APPROVED	APPROVED
AA	AA