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Legend

BLDG

1.00 0.90

AREA ID

RUNOFF COEFFICIENT

STORM DRAINAGE AREA ha

STORM DRAINAGE BOUNDARY

MAXIMUM PONDING LIMITS

DIRECTION OF OVERLAND FLOW

PROPOSED STORM SEWER

PROPOSED CATCHBASIN MANHOLE

PROPOSED CATCHBASIN

PROPOSED DOUBLE CATCH BASIN

PROPOSED SUB DRAIN CATCH BASIN AS PER CITY OF OTTAWA STANDARD DETAIL DRAWINGS L10 AND L11

PROPOSED PERFORATED SUBDRAIN

EXISTING STORM SEWER

EXISTING CATCHBASIN MANHOLE

EXISTING CATCHBASIN

EXISTING SUBDRAIN CATCHBASIN

THERMAL INSULATION ON STORM SEWER WHERE COVER IS LESS THAN 1.5m. THERMAL INSULATION ON WATERMAIN WHERE COVER IS LESS THAN 2.4m AS PER W22.

Notes

SCHEDULE OF ROOF RELEASE RATES

BUILDING	DRAIN TYPE	# DRAINS	100YR Head (m)	100YR RELEASE RATE (L/s)
BLOCK 6	WATTS ACCUFLOW (100% OPEN)	6	0.140	10.63
BLOCK 7	WATTS ACCUFLOW (100% OPEN)	7	0.142	12.58
BLOCK 8	WATTS ACCUFLOW (100% OPEN)	8	0.145	14.63

SCHEDULE FOR PARKING RAMP TRENCH DRAINS

BLOCK ID	DRAINAGE AREA ID	100YR RELEASE RATE (L/s)
BLOCK 6	F203A	12.9
BLOCK 7	F202A	12.4
BLOCK 8	F300B	9.4

SCHEDULE OF INLET CONTROL DEVICES

STRUCTURE ID	DRAINAGE AREA ID	TYPE	100YR HEAD (m)	100YR RELEASE RATE (L/s)
CB100A	F100B	IPX TEMPEST LMF 45	2.1	2.6
CB100B	F100C	110mm ORIFICE PLATE	2.1	37.2
CB200A	F201A	IPX TEMPEST LMF 55	2.1	3.9
CB200B	F200B	100mm ORIFICE PLATE	2.1	30.8
CB300A	F300A	95mm ORIFICE PLATE	2.1	27.8

NOTES:

1. PROPOSED BUILDINGS TO BE EQUIPPED WITH BACKWATER VALVES

2. PROPOSED TRENCH DRAINS TO BE DESIGNED TO CAPTURE 100 YEAR PEAK FLOWS.

Revision

Rev	Description	By	Appd.	Date
1	ISSUED FOR SPA	MJS	AMP	17.06.13

Permit-Seal

File Name:	MJS	AMP	MJS	17.06.12
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Client/Project

BRIGIL  
PETRIE'S LANDING II

BLOCK 6, 7, AND 8  
8466 JEANNE D'ARC BOULEVARD  
OTTAWA, ON, CANADA

Title

STORM DRAINAGE PLAN

Project No.

160401331

Scale

0 5 15 25m  
1:500

Drawing No.

Sheet

Revision

SD-1

6 of 7

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