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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 EMERGENCY 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)	5	0.15	9.28
BLOCK 7	WATTS ACCUFLOW (100% OPEN)	7	0.15	12.89
BLOCK 8	WATTS ACCUFLOW (100% OPEN)	9	0.14	16.00

SCHEDULE FOR PARKING RAMP TRENCH DRAINS		
BLOCK ID	DRAINAGE AREA ID	100YR RELEASE RATE (L/s)
BLOCK 6	F102A	16.4
BLOCK 7	F202A	25.8
BLOCK 8	F300B	14.9

SCHEDULE OF INLET CONTROL DEVICES				
AREA ID	CATCHBASIN ID	TYPE	100YR HEAD (m)	100YR RELEASE RATE (L/s)
F100B	CBMH100A	108mm ORIFICE	1.88	33.94
F102B	CB102A	83mm ORIFICE	2.42	20.60
F201A	CB200B	102mm ORIFICE	1.75	26.72
F200B	CB200A	LMF 70	2.12	6.28
F300A	CB300A	LMF 70	2.10	6.25
F201B	CBMH200C	83mm ORIFICE	1.92	20.26
F202B	CB202A	83mm ORIFICE	1.36	5.34

100-year rainfall from F102B, 250-year rainfall from F202B and 100-year rainfall from the 1

Revision

Rev	Description	By	Appd.	YY.MM.DD
1	ISSUED FOR SPA	MJS	AMP	17.06.13
2	REVISD AS PER CITY COMMENTS	MJS	AMP	18.07.26
3	REVISD AS PER NEW SITE PLAN	MJS	AMP	18.07.26
4	REVISD STORM SERVICING BLOCK 6	MJS	AMP	18.07.05
5	REVISD AS PER NEW SITE PLAN	MJS	AMP	18.06.15
6	REVISD AS PER CITY COMMENTS	MJS	AMP	18.03.22
7	REVISD AS PER CITY COMMENTS	MJS	AMP	18.01.23
8	REVISD AS PER CITY COMMENTS	MJS	AMP	18.09.19

Permit-Seal

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
1:500

Drawing No.
SD-1

Sheet
6 of 7

Revision
8

APPROVED
By Jeff McEwen at 12:19 pm, Oct 26, 2018

JEFF MCEWEN P.ENG.
MANAGER, DEVELOPMENT REVIEW EAST BRANCH
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

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22/09/19 10:12 AM By: J. McEwen

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