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Legend

- BLDG AREA ID
- 1.00 0.90 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)	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	F203A	18.4
BLOCK 7	F202A	25.3
BLOCK 8	F300B	14.9

SCHEDULE OF INLET CONTROL DEVICES

AREA ID	CATCHBASIN ID	TYPE	100YR HEAD (m)	100YR RELEASE RATE (L/s)
F100B	CB100A	LMF 70	2.10	6.27
F100C	CBM100B	120mm# ORIFICE	2.00	43.22
F201A	CB200B	90mm# ORIFICE	1.86	23.44
F200B	CB200A	LMF 70	2.06	6.19
F300A	CB300A	LMF 70	2.10	6.25
F203B	CB203A	85mm# ORIFICE	3.03	15.39
F201B	CB200C	LMF 70	1.92	5.98
F202B	CB202A	85mm# ORIFICE	1.36	10.55

- NOTES:
- PROPOSED BUILDINGS TO BE EQUIPPED WITH BACKWATER VALVES
 - PROPOSED TRENCH DRAINS TO BE DESIGNED TO CAPTURE 100 YEAR PEAK FLOWS.

NO.	REVISION	DATE	BY	APP'D
2	REVISED AS PER CITY COMMENTS	MJS	AMP	18.01.23
1	ISSUED FOR SPA	MJS	AMP	17.06.13

Revision By App'd. YXMMDD

File Name: 160401331 D8.dwg MJS AMP 17.06.12
Dwn. Chkd. Dgnr. YXMMDD

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

APPROVED REFUSED
THIS _____ DAY OF _____, 20____
JEFF MCEWEN, P.ENG. MANAGER
DEVELOPMENT REVIEW EAST,
PLANNING, INFRASTRUCTURE AND ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

Project No. 160401331
Drawing No. SD-1
Scale 1:500
Sheet 6 of 7
Revision 2
15546

V:\01\ad\active\160401331 Petrie's Landing Block 6-8 design\drawing\160401331 D8.dwg
2018/07/13 2:24 PM by: j.mcewen