

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

- AREA ID
- RUNOFF COEFFICIENT
- STORM DRAINAGE AREA b.d.
- STORM DRAINAGE BOUNDARY
- MAXIMUM PONDING LIMITS
- DIRECTION OF EMERGENCY OVERLAND FLOW
- PROPOSED STORM SEWER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED WATTS AREA DRAIN FD-530 (OR EQUIVALENT) REFER TO MECHANICAL PLANS FOR DETAILS.
- PROPOSED SUB DRAIN CATCH BASIN AS PER CITY OF OTTAWA STANDARD DETAIL DRAWINGS L10 AND L11.
- PROPOSED PERFORATED SUBDRAIN
- EXISTING CATCHBASIN MANHOLE
- EXISTING STORM SEWER
- 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)
R1001A	WATTS ACCUFLOW (50% OPEN)	11	0.15	13.80

SCHEDULE OF INLET CONTROL DEVICES					
AREA ID	CATCHBASIN ID	TYPE	100YR HEAD (m)	100YR RELEASE RATE (L/s)	DEPTH OF PONDING (m)
F1001A	CB1001A	LMF 65	3.48	6.78	0.23

SCHEDULE FOR DECK AND RAMP AREAS			
BLOCK ID	DRAINAGE AREA ID	100YR RELEASE RATE (L/s)	
RAMP	F1001B	13.40	
DECK CB	F1001C	16.07	

- NOTES:
- PROPOSED BUILDINGS TO BE EQUIPPED WITH BACKWATER VALVES
 - PROPOSED TRENCH DRAINS TO BE DESIGNED TO CAPTURE 100 YEAR PEAK FLOWS.
 - STORAGE PIPE VOLUME = 12.72m³
 - UNCONTROLLED RUNOFF UP TO THE 100 YEAR STORM FROM AREAS R1001B, R1001C, F1001B AND F1001C WILL BE CAPTURED INTO THE BUILDINGS INTERNAL PLUMBING SYSTEM AND DIRECTED TO THE STORM SERVICE LATERAL.

Revision	By	Appd.	YY.MM.DD
4	MJS	AMP	22.02.16
3	MJS	KH	21.10.01
2	MJS	TR	21.09.20
1	MJS	AMP	21.03.24
0	MJS	AMP	19.12.13

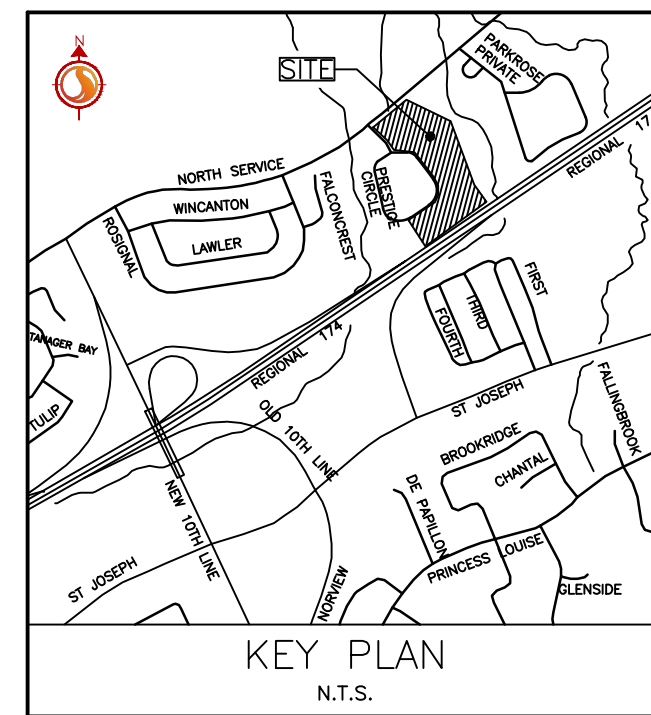
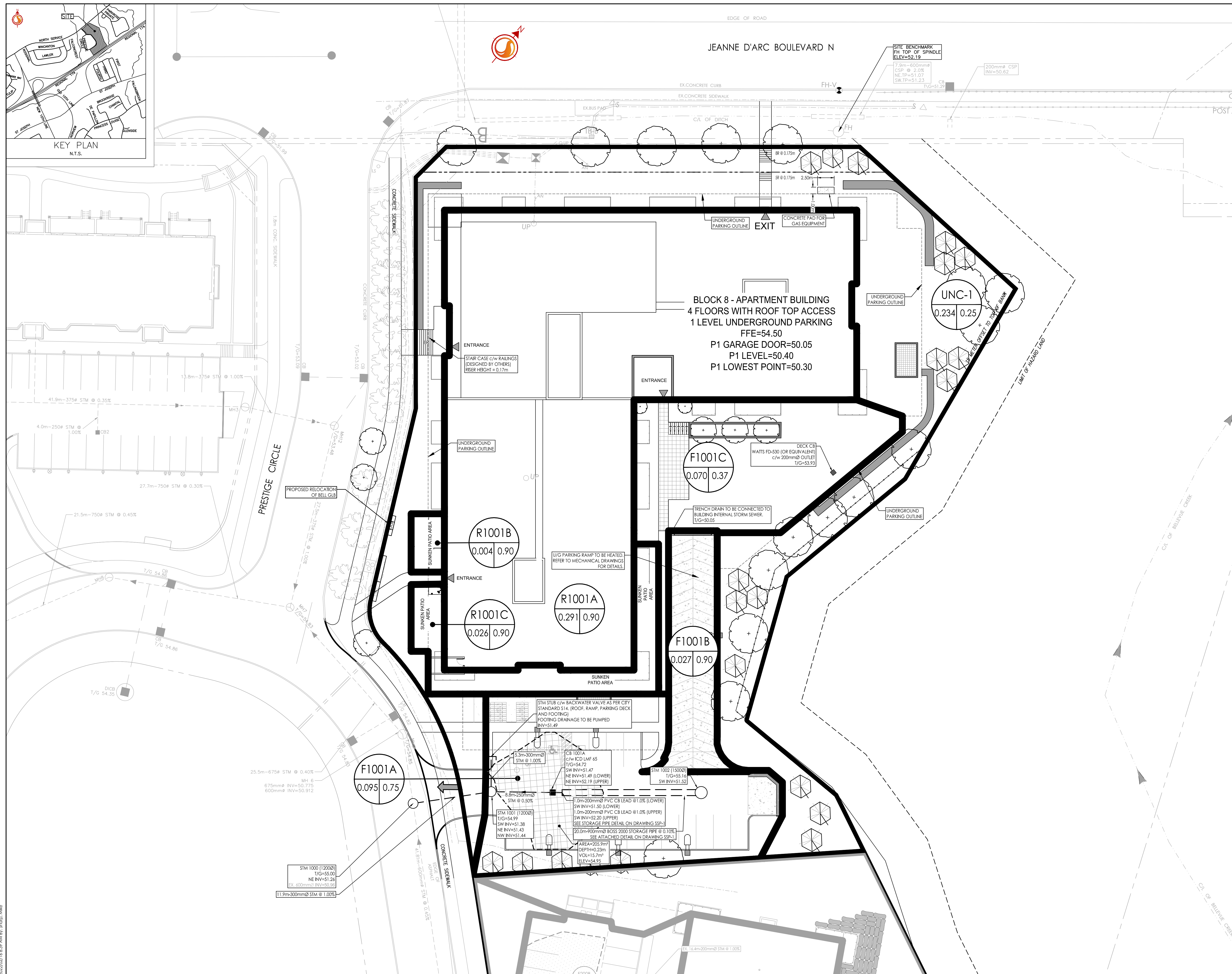
Permit-Seal

Client/Project
BRIGIL
PETRIE'S LANDING II
BLOCK 8
180 Prestige Circle
OTTAWA, ON, CANADA

Title
STORM DRAINAGE PLAN

Project No. 160401331	Scale 1:250	Sheet 5 of 6	Revision 4
--------------------------	----------------	-----------------	---------------

SD-1 18062



V:\1\160401331\160401331_Petrie's Landing Block 8.dwg
 2022/02/16 09:59 AM
 2022/02/16 09:59 AM
 ORIGINAL SHEET - ARCH D