



Legend

- STORM DRAINAGE DIVIDE
- POST DEVELOPMENT STORM CATCHMENT LABEL
- PROPERTY LINE
- PROPOSED STORM SEWER & MANHOLE
- PROPOSED CATCH BASIN
- EXISTING STORM SEWER & MANHOLE
- EXISTING CATCH BASIN
- EXISTING VALVE AND BOX
- EXISTING FIRE HYDRANT
- PROPOSED OVERLAND FLOW ROUTE
- EXISTING ASPHALT LIMITS

Notes

- DESIGN OF ROOF TO BE IN ACCORDANCE WITH STORM WATER MANAGEMENT DESIGN DETAILED IN APPROVED SERVICING AND STORMWATER MANAGEMENT REPORT. ROOF DRAIN DESIGN BY MECHANICAL ENGINEER.
- PROPOSED BUILDING INTERNAL PLUMBING SYSTEM TO INCLUDE STORAGE TANKS TO RESTRICT POST DEVELOPMENT PEAK FLOWS FROM ALL BUILDING AREAS TO 29.96 L/s (APPROX. 41 m³ REQUIRED).
- FOUNDATION DRAIN FROM THE BUILDING TO BE EQUIPPED WITH A SUMP PUMP AND BACK WATER VALVE.

7	REVISED AS PER CITY COMMENTS	MJS	KS	19.05.14
6	REVISED AS PER CITY COMMENTS	AJ	KS	19.03.01
5	UPDATED AS PER CITY COMMENTS	JP	KS	18.09.24
4	UPDATED AS PER REVISED SITE PLAN	JP	KS	18.06.14
3	CORRECTED RELOCATION OF FH	DJC	KS	18.06.04
2	REVISED AS PER CITY COMMENTS	DJC	KS	18.06.01
1	ISSUED FOR SPA	MJS	KS	18.02.02

Revision	By	Appd.	YY.MM.DD
File Name: 160401399-	MJS	KS	MJS 18.01.26
	Dwn.	Chkd.	Dsgn. YY.MM.DD

Permit-Seal

Client/Project

1879369 ONTARIO INC. COB AS
SAINT JOSEPH DEVELOPMENTS

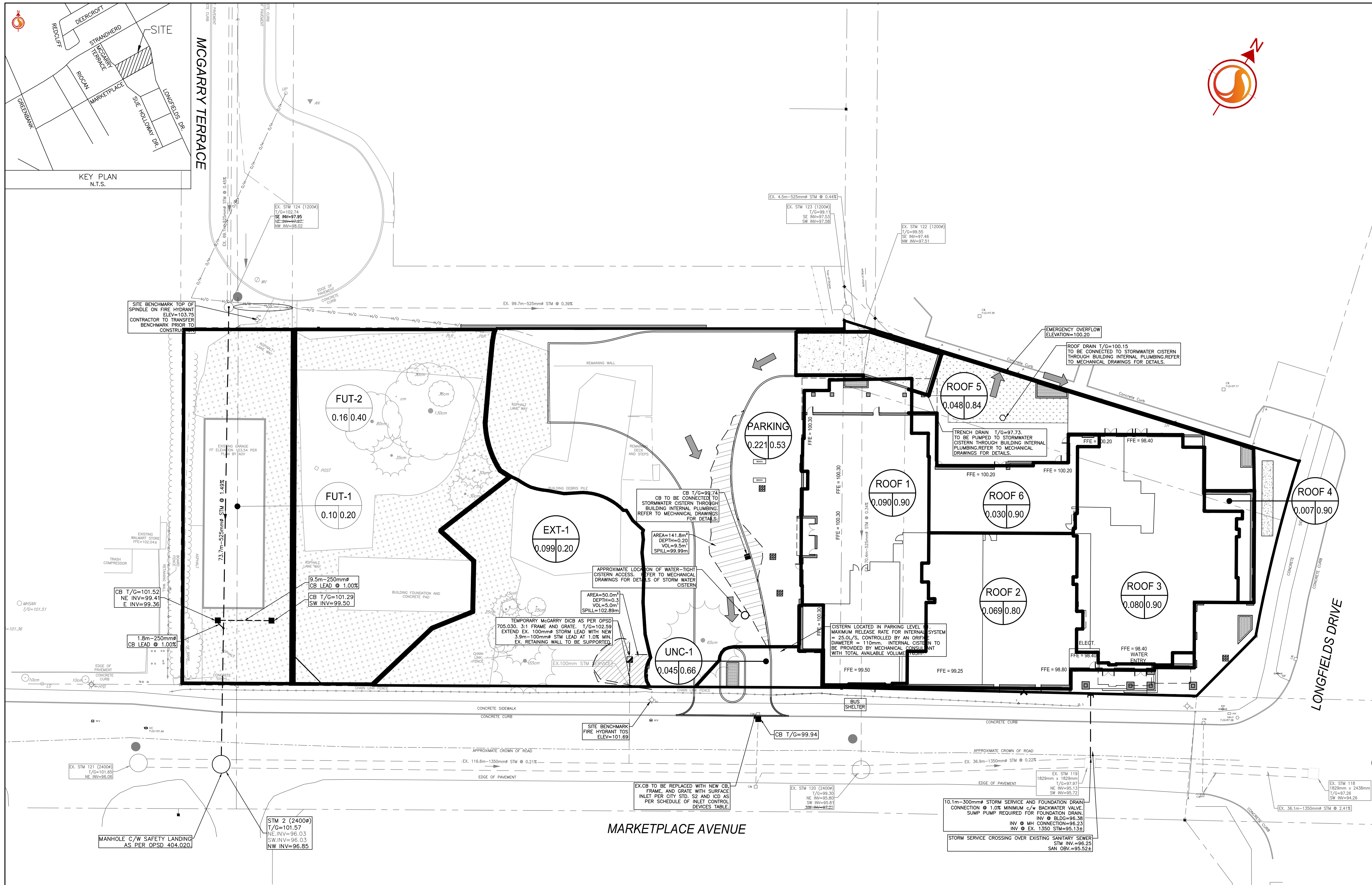
MARKETPLACE AVENUE

OTTAWA ON CANADA

Title

STORM DRAINAGE PLAN

Project No.	Scale
160401399	1:300
Drawing No.	Sheet
SD-1	6 of 7
	Revision
	7



MARKETPLACE AVENUE

LONGFIELDS DRIVE

MANHOLE C/W SAFETY LANDING
AS PER OPSD 404.020

STM 2 (24009)
T/G=101.57
NE INV=96.03
SW INV=96.03
NW INV=96.85

SITE BENCHMARK
FIRE HYDRANT TOS
ELEV=101.69

EX CB TO BE REPLACED WITH NEW CB
FRAME AND GRATE WITH SURFACE
INLET PER CITY STD. S2 AND ICD AS
PER SCHEDULE OF INLET CONTROL
DEVICES TABLE

EX. STM 120 (24009)
T/G=99.30
NE INV=95.80
SW INV=95.81
300mm-1350mm STM @ 0.22%

10.1m-300mm STORM SERVICE AND FOUNDATION DRAIN
CONNECTION @ 1.0% MINIMUM C/W BACKWATER VALVE.
SUMP PUMP REQUIRED FOR FOUNDATION DRAIN.
INV @ BUC=96.38
INV @ MH CONNECTION=96.23
INV @ EX. 1350 STM=95.134
STM INV=96.25
SAN. OLV=95.524

Lily Xu
LILY XU, MCIP, RPP
(A) MANAGER, DEVELOPMENT REVIEW - SOUTH
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

APPROVED
By Lily Xu at 7:36 pm, Jul 11, 2019

SCHEDULE OF ROOF RELEASE RATES			
BUILDING	HEAD (m)	ROOF DRAIN TYPE (WATTS)	100 YR RELEASE RATES (L/s)
ROOF 2	0.149	2 x RD-100-A-ADJ @ 25% CLOSED	3.14
ROOF 4	0.133	2 x RD-100-A-ADJ @ CLOSED	0.63
ROOF 6	0.143	2 x RD-100-A-ADJ @ 75% CLOSED	1.85

SCHEDULE OF INLET CONTROL DEVICES					
STRUCTURE ID	DRAINAGE AREA ID	ORIFICE TYPE	ICD INVERT (m)	100 YR HEAD (m)	100 YR FLOW (L/s)
MCGARRY DICB	EXT-1	LMF-80	100.79	2.02	8.12
EX CB	ROAD DRAINAGE	90 mm	98.74	1.20	18.30
CISTERN	CISTERN	110 mm	97.30	1.00	25.0