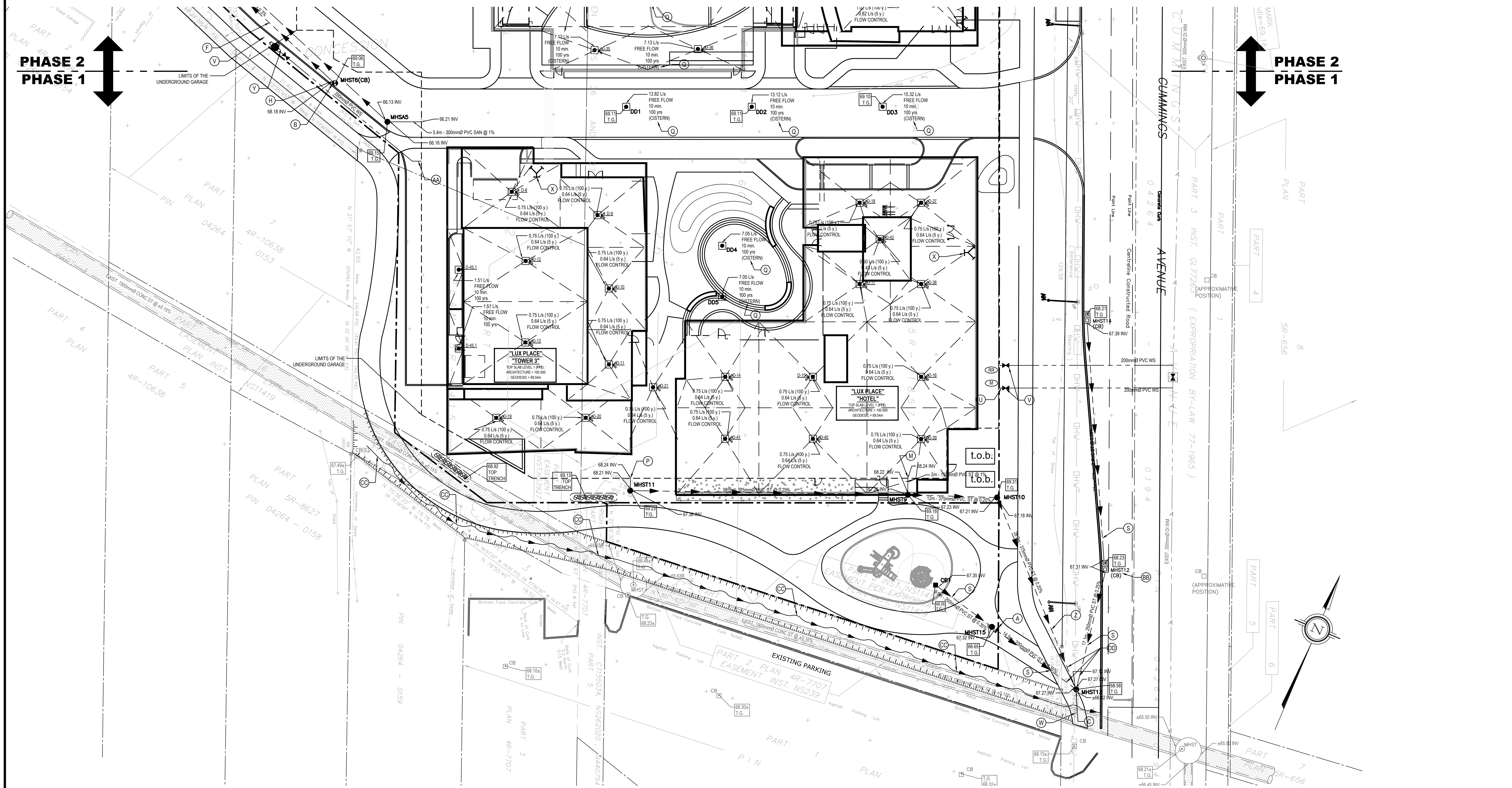
SEE MORE ON PAGE GC102



PLAN VIEW - SITE SERVICING

ÉCHELLE = 1:300

INLET CONTROL DEVICE (ICD) TABLE

MANHOLE AND CATCH BASIN	RELEASE RATE (LITER/SEC.)	WATER HEAD (m)	TYPE
MHST3 (CB)	12 [100 y.] 9.31 [5 y.]	1.32 (69.24m)[100 y.] 0.82 (68.95m)[5 y.]	VORTEX 125VHV-2
CISTERN	55 [100 y.] 29.31 [5 y.]	-	FLOW CONTROL WITH THE PUMP. SEE MECHANICAL ENGINEER.
ROOF DRAINS	21.92 [100 y.] 18.33 [5 y.]	150mm max.	SEE MECHANICAL ENGINEER.

SUBTOTAL	88.92 [100 y.] 56.95 [5 y.]	
UNCONTROL	17.46 [100 y.] 8.85 [5 y.]	
TOTAL	106.38 [100 y.] 65.80 [5 y.]	
PERMITTED	141.43 [100 y.] 65.80 [5 y.]	**OK**

- THE ICD SHALL BE INSTALLED IN THE OUTLET PIPE OF EACH CATCH BASIN OR MANHOLE SPECIFIED IN THE TABLE ABOVE.
- FOR "VORTEX" TYPE REGULATORS, THE WATER HEAD IS MEASURED FROM THE INVERT OF THE OUTLET PIPE.
- WATER PONDING WILL ALSO BE ON THE ROOF OF THE BUILDING. SEE PLAN VIEW FOR FLOW OF EACH DRAIN AND SEE WICH DRAIN ARE FLOW CONTROLED. SEE MECHANICAL ENGINEER PLAN FOR ROOF DRAIN DETAIL.

INLET CONTROL DEVICE (ICD) TABLE FOR PUBLIC PARK

MANHOLE AND CATCH BASIN	RELEASE RATE (LITER/SEC.)	WATER HEAD (m)	TYPE
MHST15	6 [100 y.] 6 [5 y.]	1.11 (68.43m)[100 y.] 1.11 (68.43m)[5 y.]	SLIDING PLATE

TOTAL	6 [100 y.] 6 [5 y.]
PERMITTED	6.43 [100 y.] 3.01 [5 y.]

- THE ICD SHALL BE INSTALLED IN THE OUTLET PIPE OF EACH CATCH BASIN OR MANHOLE SPECIFIED IN THE TABLE ABOVE.
- FOR "VORTEX" TYPE REGULATORS, THE WATER HEAD IS MEASURED FROM THE INVERT OF THE OUTLET PIPE.
- WATER PONDING WILL ALSO BE ON THE ROOF OF THE BUILDING. SEE PLAN VIEW FOR FLOW OF EACH DRAIN AND SEE WICH DRAIN ARE FLOW CONTROLED. SEE MECHANICAL ENGINEER PLAN FOR ROOF DRAIN DETAIL.

SITE SERVICING PLAN NOTES

A	INLET CONTROL DEVICE (ICD) TO BE INSTALLED AT THE OUTLET OF THE STORMWATER MANHOLE. SEE TABLE OF THE INLET CONTROL DEVICE (ICD) FOR SPECIFICATION.
B	SEE DETAIL 2 / GC200. FOR DRAINAGE AROUND THE CATCHBASSIN MANHOLE.
C	THIS MANHOLE MUST HAVE A MINIMUM DIAMETER OF 1500MM. SEE MANHOLE AND CATCH-BASIN TABLE FOR MORE SPEC.
D	THIS MANHOLE MUST HAVE A MINIMUM DIAMETER OF 1200MM. SEE MANHOLE AND CATCH-BASIN TABLE FOR MORE SPEC.
E	PIPE INSULATION TYPE "3", SEE DETAIL 17 / GC203 IN ADDITION TO THIS DETAIL, RESPECT OPSD 1109.030 & CITY OF OTTAWA STANDARDS.
F	PIPE INSULATION TYPE "3", SEE DETAIL 17 / GC203.
G	PROVIDE A MANHOLE WITH A MINIMUM HEIGHT OF 2000mm.
H	PROVIDE A CATCH-BASIN WITH A MINIMUM HEIGHT OF 2000mm.
J	THIS MANHOLE MUST HAVE A MINIMUM DIAMETER OF 1200mm. SEE MANHOLE AND CATCH-BASIN TABLE FOR MORE SPEC.
K	THIS MANHOLE MUST HAVE A MINIMUM DIAMETER OF 1200mm. SEE MANHOLE AND CATCH-BASIN TABLE FOR MORE SPEC.
L	SERVING FLOW CONTROL ROOF DRAINS OF TOWER 2 ONLY: 10.8 L/s, 10 MIN. , 100 YRS.
M	SERVING FLOW CONTROL ROOF DRAINS OF HOTEL ONLY: 8 L/s, 10 MIN. , 100 YRS + CISTERN OUTLET ±39 L/s.
N	SERVING FLOW CONTROL ROOF DRAINS OF TOWER 1 AND 6 STOREY PODIUM : 13.86 L/s, 10 MIN. , 100 YRS.
P	SERVING FLOW CONTROL ROOF DRAIN AND FREE FLOW DRAINS OF TOWER 3 ONLY: 14.28 L/s, 10 MIN. , 100 YRS.
Q	"CISTERN" MEANS THAT THE WATER FLOW WILL BE SENT TO A CISTERN LOCATED UNDER THE SLAB OF THE LAST PARKING LEVEL (U3). THE WATER WILL BE PUMPED OUT AND THE PUMPS WILL ACT AS A INLET CONTROL DEVICE. SEE DETAIL 232 / S202 OF THE STRUCTURAL PLANS.
R	THE NEW PIPE MUST BE CONNECTED TO AN EXISTING MANHOLE.USE A DRILL WITH A HOLLOW DRILL BIT TO MAKE THE NEW HOLE. EXTEND THE HOLE SO AS TO CREATE BENCHING.
S	PIPE INSULATION TYPE "1", SEE DETAIL 17 / GC203. IN ADDITION TO THIS DETAIL, RESPECT OPSD 1109.030 & CITY OF OTTAWA STANDARDS.
T	PIPE INSULATION TYPE "1", SEE DETAIL 17 / GC203.
U	CITY WILL INSTALL INSIDE THE BUILDING A WATER METER AND REMOTE WATER METER READOUT.
V	SUPPLY AND INSTALL VALVE AND VALVE BOX . RESPECT "W24" DRAWING FROM CITY OF OTTAWA.
W	HAVE THE CONDITION OF THE PIPE CHECKED BY AN ENGINEER WHO IS A MEMBER OF THE PROFESSIONAL ENGINEERS OF ONTARIO. REPLACE THE EXISTING 450mm PIPE IF REQUIRED.
X	SIAMESE FOR FIRE PROTECTION, SEE MECHANICAL ENGINEER PLAN FOR EXACT POSITION AND SPECIFICATIONS.
Y	NEW PRIVATE FIRE HYDRANT TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH CITY OF OTTAWA REGULATIONS.
Z	PIPE INSULATION TYPE "2", SEE DETAIL 17 / GC203.
AA	OUTLET OF AN 200mmØ WATERMAIN PIPE COMING FROM INSIDE THE BUILDING (SEE MECHANICAL ENGINEER) TO SUPPLY THE FIRE HYDRANT.
BB	PROVIDE A DOUBLE CATCH BASIN THAT MEETS CITY OF OTTAWA STANDARD DRAWINGS.
CC	SHAPE THE LAND TO CREATE A SWALE DIRECTING RAINWATER TO CUMMINGS AVENUE. THIS LINE REPRESENTS THE CENTRAL LOWER POINT OF THE SWALE.
DD	BUILD A CLAY DIKE SUCH AS CITY OF OTTAWA STANDARD DRAWINGS "S8".

NOTE :

SEE "STORM SEWER CATCH BASIN AND MANHOLE TABLE" AND "SANITARY SEWER MANHOLE TABLE" ON PAGE GC001.

Project

PLACE LUX

OGILVIE ROAD
CUMMINGS AVENUE
OTTAWA

Owner

DOUVILLE MOFFET & ASSOCIÉS INC.

Architect

Pierre Martin Architecte

LAPALME RHEAULT ARCHITECTES + ASSOCIÉS + acsl

Mechanic / Electricity

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Title

PLAN VIEW
SITE SERVICING

Speciality

CIVIL ENGINEERING

Issue		
No.	Date	Description
1	2021-10-21	For mechanical coordination.
2	2021-11-08	For Tender.
3	2021-11-30	Includes Add. GC-01
4	2022-02-17	Includes Site instruction C-01
5	2022-03-30	Includes Site instruction C-02
6	2022-04-13	Includes Site instruction C-02 Rev.1

Seal

LICENSED PROFESSIONAL ENGINEER
M.-A. MÉTHOT
100559102
2022-04-13
PROVINCE OF ONTARIO

Note

These plans are not valid without the signature and seal of the concerned professional

Drawn by: J. Blondeau, drft	Prepared by: M.-A. Méthot, eng.
Date: 21 october 2021	Verified by: M.-A. Méthot, eng.
Project No.: 17-161	Scale: 1 :300
File No.: P: 17-161/GC	Page No.: GC103

D07-12-20-0188

Drawing number = 18312