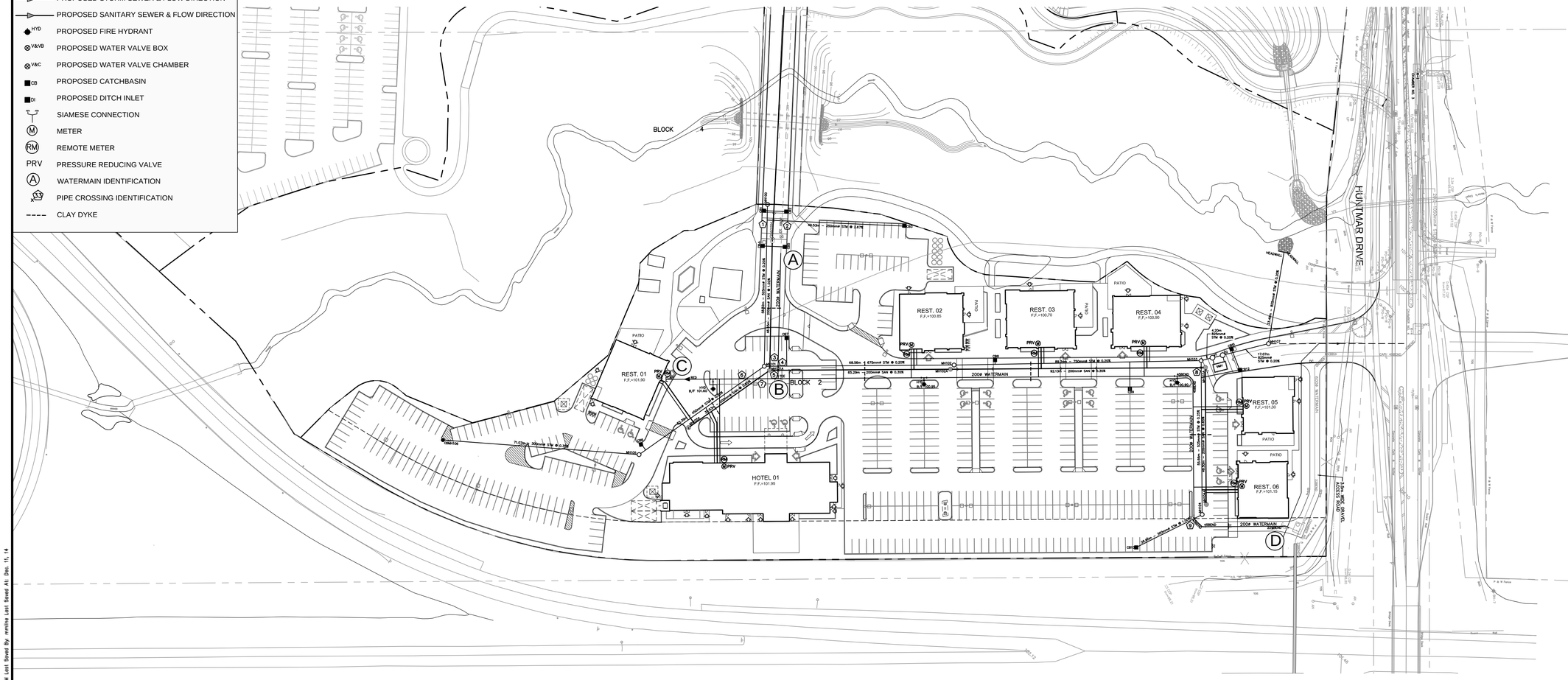
LEGEND:

- MH2 — PROPOSED STORM MANHOLE & NUMBER
- MH2A — PROPOSED SANITARY MANHOLE & NUMBER
- PROPOSED STORM SEWER & FLOW DIRECTION
- PROPOSED SANITARY SEWER & FLOW DIRECTION
- HYD — PROPOSED FIRE HYDRANT
- V&VB — PROPOSED WATER VALVE BOX
- V&C — PROPOSED WATER VALVE CHAMBER
- CB — PROPOSED CATCHBASIN
- DI — PROPOSED DITCH INLET
- SIAMESE CONNECTION
- M — METER
- RM — REMOTE METER
- PRV — PRESSURE REDUCING VALVE
- A — WATERMAIN IDENTIFICATION
- 1 — PIPE CROSSING IDENTIFICATION
- CLAY DYKE



Sanitary STRUCTURE TABLE

NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
EXMH100A	100.87	SE95.150		1200ø OPSD 701.010
MH101A	101.17	S96.226 NE95.686	NW95.626	1200ø OPSD 701.010
MH102A	100.51	NE95.919	SW95.914	1200ø OPSD 701.010
MH103A	100.80	SE96.479	SW96.242	1200ø OPSD 701.010
MH104A	100.59		NW96.800	1200ø OPSD 701.010
MH105A	101.51		N96.459	1200ø OPSD 701.010

Storm STRUCTURE TABLE

NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION
HEADWALL	97.40	SE96.231		Rectangular Headwall Variable Height SI
MH100	100.75		SE97.264	1200ø OPSD 701.010
MH101	101.17	S97.221 NW97.146	NE96.996	1500ø OPSD 701.011
MH102	100.50	SW96.859	NE96.784	1500ø OPSD 701.011
MH103	100.76	SW96.606 SE96.831	NE96.531	1500ø OPSD 701.011
MH104	100.52	S97.195	NW96.970	1200ø OPSD 701.010
MH105	101.63	SW97.565	N97.415	1200ø OPSD 701.010
MH107	101.90	SW96.358	NW96.298	1500ø OPSD 701.011
V1	101.02	SW96.522 NE97.290	SE96.462	1500ø OPSD 701.011
V2	101.29		SW97.219 NE96.392 SE96.452	1500ø OPSD 701.011
VMH	101.00	NW96.457	SE96.457	VORTECHS MANHOLE

CATCHBASIN/CATCHBASIN MANHOLE/DITCH INLET DATA

STRUCTURE	STRUCTURE	COVER (CITY OF OTTAWA)	ELEVATION			OUTLET PIPE		HEAD	FLOW
			TOP OF GRATE	INLET INVERT	OUTLET INVERT	DIA. (mm)	TYPE	(m)	(L/s)
CB1	OPSD 705.010	S19.1	100.70	99.00	98.90	250	PVC DR35	1.88	60.00
CB2	OPSD 705.010	S19.1	100.70		99.10	200	PVC DR35		
CB3	OPSD 705.010	S19.1	100.30		98.65	250	PVC DR35	1.68	113.00
CB4	OPSD 705.010	S19.1	100.77	99.07	98.97	250	PVC DR35	1.83	19.00
CB5	OPSD 705.010	S19.1	100.77		99.17	200	PVC DR35		
CB6	OPSD 705.010	S19.1	101.60		100.00	200	PVC DR35	1.55	91.00
CB7	OPSD 705.010	S19.1	101.00		99.40	200	PVC DR35	1.65	87.00
CB8	OPSD 705.010	S19.1	100.25		98.65	200	PVC DR35	1.65	81.00
CB9	OPSD 705.010	S19.1	100.50		98.90	200	PVC DR35	1.60	77.00
CB10	OPSD 705.010	S19.1	100.30		98.60	300	PVC DR35	1.67	131.00
CB11	OPSD 705.010	S19.1	101.23		99.63	200	PVC DR35		
CB12	OPSD 705.010	S19.1	101.21	99.53	99.43	250	PVC DR35	1.80	28.00
CBMH106	OPSD 701.010	S28.1	101.80		97.81	300	PVC DR35	3.99	56.00

*SEE NOTE 3.9 ON DRAWING C-DETAILS

CROSSING SCHEDULE

1. 250ø STM. 2.72m CLEARANCE OVER 300ø SAN.
2. 250ø STM. 0.28m CLEARANCE UNDER 200ø WM.
3. 675ø STM. 1.18m CLEARANCE OVER 200ø SAN.
4. 675ø STM. 0.88m CLEARANCE UNDER 200ø WM.
5. 200ø SAN. 2.67m CLEARANCE UNDER 200ø WM.
6. 450ø STM. 0.96m CLEARANCE UNDER 200ø WM.
7. 200ø SAN. 2.14m CLEARANCE UNDER 200ø WM.
8. 525ø STM. 0.40m CLEARANCE OVER 200ø SAN.
9. 300ø STM. 0.31m CLEARANCE UNDER 200ø WM.

WATERMAIN SCHEDULE

	STATION	DESCRIPTION	FINISHED	TOP OF	AS-BUILT
A	0+000.0	CONNECT TO EXISTING 200Ø WM	100.80	98.40	
B	0+045.0	200Ø x 200Ø TEE	101.25	98.85	
C	0+000.0	150Ø CAP	101.85	99.45	
	0+006.71	REDUCER	101.45	99.05	
	0+016.97	HYDRANT TEE	101.35	99.15	
	0+019.28	200Ø x 200Ø TEE DOMESTIC SERVICE	101.35	99.15	
B	0+040.50	200Ø x 200Ø TEE	101.25	98.85	
	0+088.12	200Ø x 200Ø TEE DOMESTIC SERVICE	100.70	98.30	
	0+093.21	HYDRANT TEE	100.68	98.28	
	0+134.60	200Ø x 200Ø TEE DOMESTIC SERVICE	100.45	98.05	
	0+172.80	200Ø x 200Ø TEE DOMESTIC SERVICE	100.55	98.15	
	0+184.71	HYDRANT TEE	100.65	98.25	
	0+188.90	200Ø-45° BEND	100.68	98.28	
	0+191.83	200Ø-45° BEND	100.70	98.30	
	0+200.67	200Ø x 200Ø TEE DOMESTIC SERVICE	100.78	98.38	
	0+229.72	200Ø x 200Ø TEE DOMESTIC SERVICE	100.60	98.20	
	0+241.04	200Ø-45° BEND	100.45	98.05	
	0+245.28	200Ø-45° BEND	100.45	98.05	
	0+275.46	200Ø -22 ½° BEND	100.35	97.95	
D	0+275.46	CONNECT TO EXISTING 200%%C WM.	100.35	97.95	

NO.	Date	Issued/Revision	By
01	14:12:12	ISSUED FOR SITE PLAN APPROVAL	J.I.M.

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PROJECT
TANGER OUTLETS CENTRE
PHASE 2
HOTEL SITE
KANATA ONTARIO

DWG. TITLE
GENERAL PLAN OF SERVICES

LICENSED PROFESSIONAL ENGINEER — J. I. MOFFATT — 14/12/12 — PROVINCE OF ONTARIO

PROJECT NO. 32862	DATE DECEMBER 2014
DRAWN BY M.M.	SCALE 1 : 750
CHECKED BY J.I.M.	FILE NAME: —
	PLOT SCALE: 1:1
TRUE NORTH	DRAWING NUMBER: C-100B