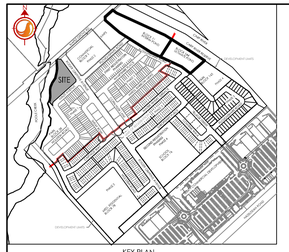

KEY PLAN
N.T.S.

160401608 - Kanata West Block 29

ICD Table

Last updated on 2021-07-22 from PCSWMM model and drawings updated that same date

Area ID	CB Name	Diameter (mm)	Invert (m)	2-Year Head (m)	2-Year Flow (L/s)	100-Year Head (m)	100-Year Flow (L/s)
L103A	L103A-1	83	96.50	0.85	12.3	1.63	17.3
L103A	L103A-2	**CB L103A-1 and L103A-2 to be interconnected w single ICD at L103A-1*					
L104A	L104A-1	83	96.54	0.91	12.8	1.54	16.8
L104A	L104A-2	83	96.54	0.91	12.8	1.54	16.8
L106A	L106A-1	152	96.55	0.84	40.2	1.54	55.6

SEWER AND WATERMAIN CROSSING TABLE

COSSING	STM INV	STM OBV	SAN INV	SAN OBV	WTR TOP	WTR BTM	NOTES
1	94.98 (94.88)	95.66 (95.76)	93.98	94.18	96.46	96.26	DEFLECT WATER OVER STORM (AS PER W25.2)
2	94.99 (94.89)	95.67 (95.77)	94.07	94.27			
3	95.28	95.66	94.23	94.43	96.36	96.16	DEFLECT WATER OVER STORM (AS PER W25.2)
4	95.30	95.67	94.31	94.51			

* BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS

200mm Ø WATERMAIN A

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	98.10	95.70	CONNECTION TO EX. 300mmØ WATERMAIN
0+004.0	98.15	95.75	45° VERTICAL BEND
0+004.7	98.13	96.46	45° VERTICAL BEND
0+005.3	98.11	96.46	45° VERTICAL BEND
0+006.0	98.09	95.69	45° VERTICAL BEND
0+012.0	98.10	95.70	200mmØ VALVE AND BOX
0+020	98.19	95.79	TOP OF WATERMAIN
0+025.1	98.16	95.76	11.25° HORIZONTAL BEND
0+033.6	98.05	95.65	200mmØ VALVE AND BOX
0+036.1	98.08	95.68	200mmØ x 200mmØ TEE
0+040.0	98.14	95.74	200mmØ x 50mmØ REDUCER
0+060	97.98	95.58	TOP OF WATERMAIN
0+081.5	98.28	95.88	22.5° HORIZONTAL BEND
0+093.8	97.80	95.40	50mmØ x 38mmØ REDUCER

200mm Ø WATERMAIN B

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	98.08	95.68	200mmØ x 200mmØ TEE
0+003.6	98.13	95.73	45° VERTICAL BEND
0+004.3	98.11	96.36	45° VERTICAL BEND
0+004.9	98.09	96.36	45° VERTICAL BEND
0+005.7	98.07	95.67	45° VERTICAL BEND
0+006.7	98.24	95.84	200mmØ VALVE AND BOX
0+010.4	98.23	95.83	150mmØ FIRE HYDRANT TEE
0+013.9	98.18	95.78	200mmØ x 50mmØ REDUCER
0+020	98.12	95.72	TOP OF WATERMAIN
0+040	98.16	95.76	TOP OF WATERMAIN
0+060	98.29	95.89	TOP OF WATERMAIN
0+070.8	98.15	95.75	50mmØ x 38mmØ REDUCER

Stantec

Stantec Consulting Ltd.
400 - 1331 Clyde Avenue
Ottawa ON
Tel. 613.722.4420
www.stantec.com

Legend

- PROPOSED WATERMAIN
- PROPOSED VALVE AND VALVE BOX
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED CATCHBASIN
- PROPOSED SUBDRAIN CATCHBASIN
- EXISTING WATERMAIN
- EXISTING VALVE AND VALVE BOX
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING CATCHBASIN
- CIRCULAR ORIFICE (SEE DWG SD-1)
- INTERCONNECTED CATCHBASIN
- PROPOSED DEPRESSED CURB LOCATIONS
- PROPOSED MOUNTABLE/BARRIER CURB LOCATION
- EXISTING EASEMENT
- EXISTING 4-PARTY UTILITY TRENCH
- EXISTING CONCRETE ENCASED DUCT BANK
- EXISTING HYDRO TRANSFORMER
- EXISTING ROGERS VAULT/PEDESTAL
- EXISTING BELL PEDESTAL
- EXISTING CSP
- EXISTING GLB
- EXISTING COMMUNITY MAIL BOX LOCATION
- EXISTING STREET LIGHT
- THERMAL INSULATION AS PER W22
- CLAY SEAL LOCATION AS PER S8 REFER TO GEOTECHNICAL REPORT FOR DETAILS
- UNIT TO BE EQUIPPED WITH PRESSURE REDUCING VALVE
- PROPOSED RETAINING WALL

BUILDING SERVICES

- 200mmØ STORM SERVICE PVC SDR 28 @ 1% MIN
- 150mmØ SANITARY SEWER PVC SDR 28 @ 1% MIN
- 38mmØ PEX WATER SERVICE C/W CURB STOP AND SERVICE POST UNLESS OTHERWISE SHOWN

0.50m BEHIND BACK OF CURB/SIDEWALK AS SHOWN ON PLAN

NOTES:

1. PROPOSED UNITS TO BE EQUIPPED WITH PRESSURE REDUCING VALVES (PRV'S) AS PER THE ONTARIO BUILDING CODE.

2	REVISED AS PER CITY COMMENTS	WAJ	AMP	21.07.22
1	ISSUED FOR REVIEW	WAJ	AMP	21.03.25
Revision		By	Appd.	YY.MM.DD
File Name: 160401608-D8.dwg		WAJ	AMP	WAJ 21.02.01
		Dwn.	Chkd.	Dsgn. YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
T.K. RATHINASOORIYA
100225159
2021-07-22
PROVINCE OF ONTARIO

Client/Project

RICHCRAFT GROUP OF COMPANIES

KANATA WEST BLOCK 29

OTTAWA, ON

Title

SITE SERVICING PLAN

Project No.	Scale	Revision
160401608	1:250 (0, 2.5, 7.5, 12.5m)	
Drawing No.	Sheet	
SSP-1	2 of 6	2

CITY FILE No. D07-12-21-0042
CITY PLAN No. 18439

W:\active\160401608\design\drawings\160401608-D8.dwg
2021/07/22 9:43 AM By: Jamieson, Warren

ORIGINAL SHEET - ARCH D