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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 CATCHBASIN
- EXISTING STORM SEWER
- EXISTING CATCHBASIN
- CIRCULAR OFFICE (SEE DWG S-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 PE WATER SERVICE C/W CURB STOP AND SERVICE POST UNLESS OTHERWISE SHOWN
- 0.50m BEHIND BACK OF CURB/SIDEWALK (AS SHOWN ON PLAN)

NOTES:

- PROPOSED UNITS TO BE EQUIPPED WITH PRESSURE REDUCING VALVES (PRVs) AS PER THE ONTARIO BUILDING CODE.
- SANITARY MANHOLES SHALL BE 600mm COVER AS PER CITY OF OTTAWA S24. STORM MANHOLES SHALL BE 600mm COVER AS PER CITY OF OTTAWA S24.1.

Revision	By	Appd.	YY.MM.DD
3	WAJ	TKR	21.10.15
2	WAJ	AMP	21.07.22
1	WAJ	AMP	21.03.25

File Name:	WAJ	AMP	WAJ	21.02.21
Permit/Seal	Dwn.	Chkd.	Dgn.	YY.MM.DD
File Name: 160401608-DB.dwg	WAJ	AMP	WAJ	21.02.21
Permit/Seal	Dwn.	Chkd.	Dgn.	YY.MM.DD



Client/Project
RICHCRAFT GROUP OF COMPANIES

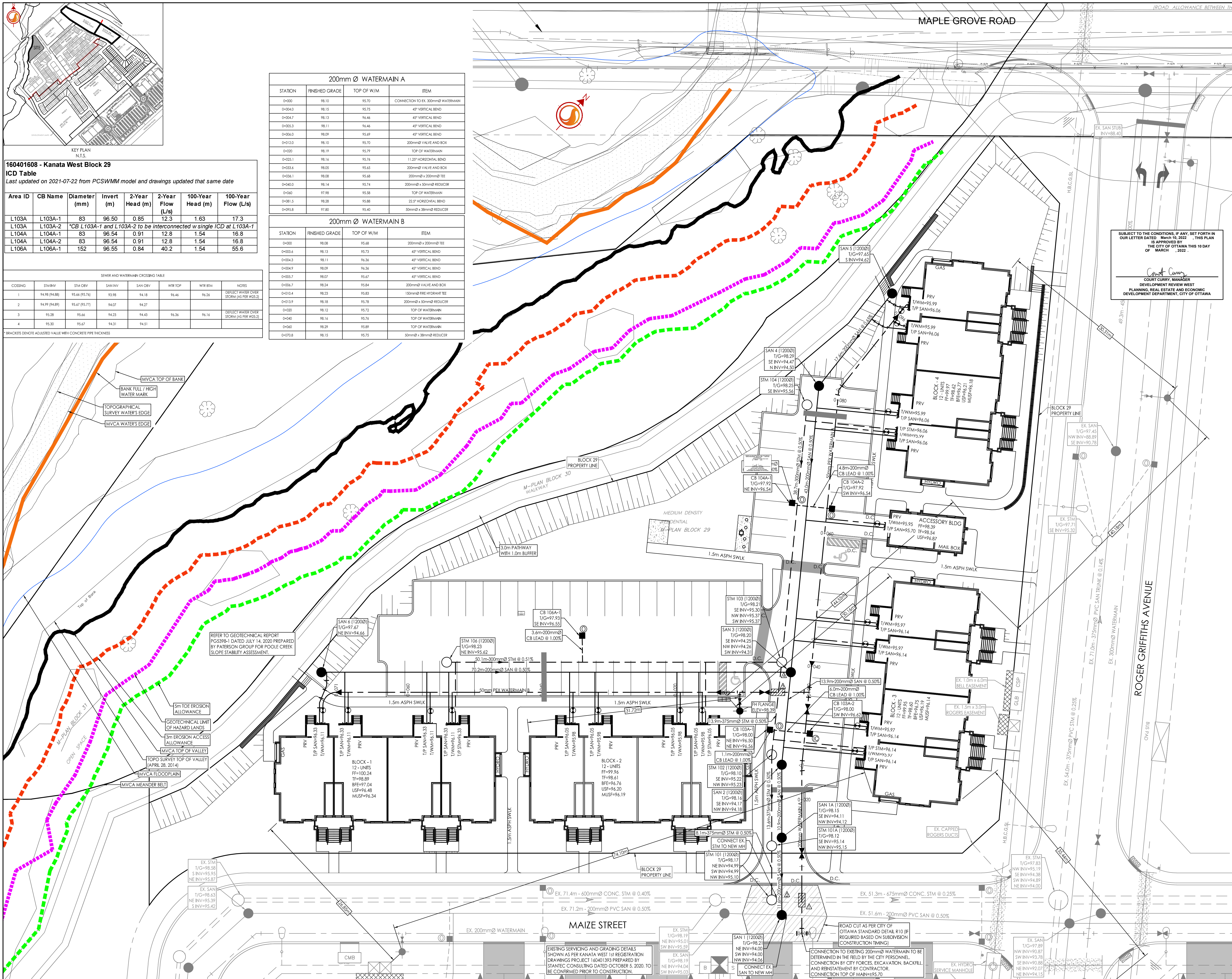
KANATA WEST BLOCK 29

OTTAWA, ON

Title
SITE SERVICING PLAN

Project No.	Scale	0	2.5	7.5	12.5m
160401608	1:250				

Drawing No.	Sheet	Revision
SSP-1	2 of 7	3



STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	98.10	95.70	CONNECTION TO EX. 300mmØ WATERMAIN
0+04.0	98.15	95.75	45° VERTICAL BEND
0+04.7	98.13	96.46	45° VERTICAL BEND
0+05.3	98.11	96.46	45° VERTICAL BEND
0+06.0	98.09	95.67	45° VERTICAL BEND
0+12.0	98.10	95.70	200mmØ VALVE AND BOX
0+00	98.19	95.79	TOP OF WATERMAIN
0+05.1	98.14	95.76	11.25° HORIZONTAL BEND
0+03.6	98.05	95.65	200mmØ VALVE AND BOX
0+06.1	98.08	95.68	200mmØ x 200mmØ TEE
0+04.0	98.14	95.74	200mmØ x 50mmØ REDUCER
0+00	97.98	95.58	TOP OF WATERMAIN
0+01.5	98.28	95.88	22.5° HORIZONTAL BEND
0+05.8	97.80	95.40	50mmØ x 38mmØ REDUCER

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	98.08	95.68	200mmØ x 300mmØ TEE
0+03.6	98.13	95.73	45° VERTICAL BEND
0+04.3	98.11	96.38	45° VERTICAL BEND
0+04.9	98.09	96.36	45° VERTICAL BEND
0+05.7	98.07	95.67	45° VERTICAL BEND
0+06.7	98.24	95.84	200mmØ VALVE AND BOX
0+10.4	98.23	95.83	150mmØ FIRE HYDRANT TEE
0+13.9	98.18	95.78	200mmØ x 50mmØ REDUCER
0+00	98.12	95.72	TOP OF WATERMAIN
0+00	98.16	95.76	TOP OF WATERMAIN
0+00	98.29	95.89	TOP OF WATERMAIN
0+07.8	98.15	95.75	50mmØ x 38mmØ REDUCER

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

CROSSING	STM INV.	STM OBV.	SAN INV.	SAN OBV.	WTR TOP.	WTR BEM.	NOTES
1	94.98 (F4.88)	95.64 (P5.76)	93.98	94.18	96.46	96.26	DEFLECT WATER OVER STORM (AS PER W22.2)
2	94.99 (F4.89)	95.67 (P5.77)	94.07	94.27			
3	95.28	95.66	94.23	94.43	96.36	96.16	DEFLECT WATER OVER STORM (AS PER W22.2)
4	95.30	95.67	94.31	94.51			

*BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS

