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Legend

	PROPOSED WATERMAIN
	PROPOSED VALVE AND VALVE BOX
	PROPOSED VALVE CHAMBER
	PROPOSED REDUCER
	PROPOSED FIRE HYDRANT
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	PROPOSED CATCHBASIN MANHOLE
	PROPOSED CATCHBASIN
	PROPOSED DITCH INLET CATCHBASIN
	PROPOSED SUBDRAIN CATCHBASIN
	EXISTING WATERMAIN
	EXISTING VALVE AND VALVE BOX
	EXISTING VALVE CHAMBER
	EXISTING REDUCER
	EXISTING FIRE HYDRANT
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING CATCHBASIN MANHOLE
	EXISTING CATCHBASIN
	EXISTING SUBDRAIN CATCHBASIN
	PROPOSED DEPRESSED CURB LOCATIONS
	PROPOSED MOUNTABLE/BARRIER CURB LOCATION
	THERMAL INSULATION ON STORM SEWER WHERE COVER IS LESS THAN 1.5m. THERMAL INSULATION ON WATERMAIN WHERE COVER IS LESS THAN 2.4m AS PER W22.
	NUMBER OF WATER METERS
	NUMBER OF REMOTE WATER METER
	ADDITIONAL 19mm PEX WATER SERVICE FOR IRRIGATION.
	CONTROL CENTER FOR IRRIGATION SYSTEM.
	PROPOSED COMMUNITY MAILBOX LOCATIONS
	BACK TO BACK SERVICING WITH STORM SERVICE 100mm STORM SERVICE PVC SDR 26 @ 1% MIN 150mm SANITARY SERVICE PVC SDR 26 @ 1% MIN 19mm PEX TUBING WATER SERVICE C/W CURB STOP AND SERVICE POST
	BACK TO BACK SERVICING WITHOUT STORM SERVICE 150mm SANITARY SERVICE PVC SDR 26 @ 1% MIN 19mm PEX TUBING WATER SERVICE C/W CURB STOP AND SERVICE POST
	BACK TO BACK TERRACE HOME SERVICES 200mm STORM SERVICE PVC SDR 26 @ 1% MIN 150mm SANITARY SERVICE PVC SDR 26 @ 1% MIN 19mm PEX TUBING WATER SERVICE C/W CURB STOP AND SERVICE POST
	ICD SIZE AND LOCATION. REFER TO ICD TABLE.
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NOTES:

- ALL ROOF RUNOFF TO BE DIRECTED TO PRIVATE STREETS. ALL BLOCKS SHALL HAVE THE ROOF EAVES OUTLET TO THE PARKING LOT SIDE OR INTERNAL ROADS TO CONTAIN ROOF DRAINAGE ON SITE. RUNOFF FROM BLOCKS 1 - 4 SHALL BE DIRECTED TO PRIVATE STREET 5. BLOCK 11 SHALL BE DIRECTED TO PRIVATE STREET 4
- BACK TO BACK TOWNHOUSE FOOTING DRAINS TO BE CONNECTED TO PRIVATE STREET 2. TWO FOOTING DRAINS PER BLOCK.
- ALL SANITARY MAINTENANCE HOLES TO HAVE WATER TIGHT FRAME AND COVERS.

2	REVISED AS PER SITE PLAN AND CITY COMMENTS	MJS	KS	19.09.06
1	ISSUED TO CITY FOR SPA	MJS	KS	18.12.18
Revision		By	Appd.	YY.MM.DD
File Name:	160401422-DB	MJS	KS	MJS
		Dwn.	Chkd.	Dsgn.
				YY.MM.DD

Permit-Seal

Client/Project

RICH CRAFT HOMES
2280 ST. LAURENT BOULEVARD
OTTAWA, ON, K1G 4K1
RIVERSIDE SOUTH PHASE 8
BLOCK 221
OTTAWA, ON

Title

SITE SERVICING PLAN

Project No.

160401422

Drawing No.

SSP-1

Scale

0 4 12 20m
1:400

Sheet

3 of 7

Revision

2

17860

EARL ARWING RD.

SHORELINE DR.

FUTURE DEVELOPMENT

RALPH HENNESSY AVE.

OUTLET ORIFICE NAME	CATCHBASIN ID	TRIBUTARY AREA ID	MINOR SYSTEM NODE	100YR HEAD (m)	100YR RELEASE RATE (L/s)	ICD TYPE
L103A-C	L103A-1	L103A	STM 103	1.44	6.00	IPX TAPPED LWF 75
L103B-C	L103B-1	L103B	STM 102	1.48	6.09	IPX TAPPED LWF 75
L103A-C	L103A-1	L103A	STM 102	1.31	6.15	IPX TAPPED LWF 75
L103A-C	L103A-1	L103A	STM 102	1.48	6.09	IPX TAPPED LWF 75
L104A-C	L104A-1	L104A	STM 104	1.44	6.01	IPX TAPPED LWF 75
L103B-C	L103B-1	L103B	STM 100	0.87	5.34	IPX TAPPED LWF 80
L103A-C	L103A-1	L103A	STM 100	2.55	36.88	PER TAPPED W/PP-42 ORIFICE

CROSSING	STM INV	SWA OBV	SAN INV	SAN OBV	WTR TOP	WTR Btm
▲	87.44 (B7.36)	88.06 (B8.11)	88.76	88.96		
▲	90.23	90.43	88.76	88.96	89.31	89.11
▲	90.28	90.48			89.42	89.22
▲	88.28	88.48				
▲	88.00	88.20	88.86	89.06		
▲			88.55	89.75	89.05	88.85
▲	88.41	88.79	88.98	89.18		
▲	88.68	88.98	89.13	89.33		
▲	88.70	89.00	89.52	89.72	90.42	90.22
▲	88.92	89.22	89.38	89.58		
▲	88.94	89.24	89.82	90.02	90.72	90.52
▲			89.91	90.11	90.61	90.41
▲	90.52	90.72	89.34	89.54	89.84	89.64
▲	89.03	89.23	89.46	89.66		

* BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	91.87	89.475	50mmØ TVS OFF 200mmØ
0+03	91.84	89.440	50mmØ VALVE AND VALVE BOX
0+10	91.80	89.400	TOP OF PIPE
0+20	91.85	89.450	TOP OF PIPE
0+25.7	91.89	89.495	50mmØ REDUCED TO 19mmØ SERVICE

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	92.39	89.990	50mmØ TVS OFF 200mmØ
0+03	92.39	89.992	50mmØ VALVE AND VALVE BOX
0+10	92.42	90.020	TOP OF PIPE
0+20	92.49	90.050	TOP OF PIPE
0+26.9	92.54	90.140	CAP AND THRUST BLOCK

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	92.22	89.820	200mmØ x 200mmØ TEE
0+02.2	92.13	89.730	200mmØ VALVE AND VALVE BOX
0+04.4	92.14	89.740	22" HORIZONTAL BEND
0+08.3	92.23	89.830	TOP OF PIPE
0+10	92.42	89.880	150mmØ FRIE HYDRANT TEE
0+14	92.34	89.740	TOP OF PIPE
0+22.2	92.51	90.110	200mmØ VALVE AND VALVE BOX
0+26.2	92.52	90.120	200mmØ x 200mmØ TEE

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	92.66	90.260	200mmØ x 100mmØ TEE
0+02.2	92.64	90.240	100mmØ VALVE AND VALVE BOX
0+04.4	92.58	90.180	22" HORIZONTAL BEND
0+08.3	92.65	90.250	TOP OF PIPE
0+10.6	92.74	90.340	100mmØ CAP AND THRUST BLOCK

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	92.76	90.360	50mmØ TVS OFF 200mmØ
0+02.2	92.76	90.360	50mmØ VALVE AND VALVE BOX
0+10	92.85	90.450	TOP OF PIPE
0+20	92.83	90.430	TOP OF PIPE
0+26.6	92.88	90.480	50mmØ REDUCED TO 19mmØ SERVICE

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	91.64	89.244	200mmØ x 300mmØ TEE CONNECTION TO EX. 300mmØ WATERMAIN
0+03.9	91.67	89.270	11" HORIZONTAL BEND
0+16.1	91.71	89.310	200mmØ VALVE AND VALVE BOX
0+30	91.86	89.460	TOP OF PIPE
0+40	91.82	89.420	TOP OF PIPE
0+46.7	91.89	89.490	11" HORIZONTAL BEND
0+47.7	91.81	89.410	200mmØ VALVE AND VALVE BOX
0+47.7	91.82	89.420	45° VERTICAL BEND
0+48.7	91.83	89.500	45° VERTICAL BEND
0+49.7	91.84	89.580	45° VERTICAL BEND
0+51.7	91.85	89.450	45° VERTICAL BEND
0+52.7	91.87	89.470	50mmØ TVS OFF 200mmØ
0+53	91.89	89.490	200mmØ x 200mmØ TEE
0+54	91.88	89.480	200mmØ VALVE AND VALVE BOX
0+60	92.26	89.860	TOP OF PIPE
0+67.2	92.39	89.990	50mmØ TVS OFF 200mmØ
0+69.2	92.38	89.980	200mmØ VALVE AND VALVE BOX
0+70	92.46	90.060	TOP OF PIPE
0+115.7	92.65	90.250	200mmØ VALVE AND VALVE BOX
0+121.7	92.78	90.380	200mmØ x 200mmØ TEE
0+127.7	92.80	90.400	200mmØ VALVE AND VALVE BOX
0+140	92.86	90.460	TOP OF PIPE
0+140.4	92.52	90.120	200mmØ x 200mmØ TEE
0+144.4	92.52	90.120	200mmØ VALVE AND VALVE BOX
0+148.4	92.54	90.140	22" HORIZONTAL BEND
0+192.1	92.65	90.250	45° HORIZONTAL BEND
0+201	92.55	90.150	22" HORIZONTAL BEND
0+212.8	92.48	90.080	150mmØ FRIE HYDRANT TEE
0+220	92.89	90.890	TOP OF PIPE
0+225.2	92.37	89.970	22" HORIZONTAL BEND
0+237.4	92.43	90.030	200mmØ VALVE AND VALVE BOX
0+239.6	92.45	90.050	200mmØ x 200mmØ TEE

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	91.89	89.490	200mmØ x 200mmØ TEE
0+06	91.93	89.530	200mmØ VALVE AND VALVE BOX
0+07.2	91.94	89.540	150mmØ FRIE HYDRANT TEE
0+20	92.03	89.630	TOP OF PIPE
0+26.9	92.07	89.670	11" HORIZONTAL BEND
0+32.4	92.17	89.770	45° VERTICAL BEND
0+33.4	92.19	90.420	45° VERTICAL BEND
0+34	92.20	90.430	11" HORIZONTAL BEND
0+37.9	92.21	90.450	200mmØ VALVE AND VALVE BOX
0+38.8	92.22	90.460	45° VERTICAL BEND
0+39.8	92.22	89.820	45° VERTICAL BEND
0+40.8	92.23	89.830	200mmØ x 200mmØ TEE
0+40	92.24	89.840	TOP OF PIPE
0+46.9	92.35	89.950	45° VERTICAL BEND
0+47.6	92.36	90.490	45° VERTICAL BEND
0+47.6	92.37	90.490	200mmØ VALVE AND VALVE BOX
0+53.8	92.39	90.490	45° VERTICAL BEND
0+57.8	92.41	89.100	45° VERTICAL BEND
0+57.8	92.45	90.050	200mmØ x 200mmØ TEE
0+60	92.44	90.040	TOP OF PIPE
0+100	92.50	90.100	TOP OF PIPE
0+103	92.51	90.110	150mmØ FRIE HYDRANT TEE
0+107.6	92.59	90.190	45° VERTICAL BEND
0+108.6	92.60	90.720	45° VERTICAL BEND
0+111.5	92.63	90.750	200mmØ VALVE AND VALVE BOX
0+122.5	92.64	90.760	45° VERTICAL BEND
0+125.5	92.65	90.780	45° VERTICAL BEND
0+143.5	92.66	90.790	200mmØ x 100mmØ TEE
0+130	92.71	90.310	TOP OF PIPE
0+138.8	92.76	90.360	45° VERTICAL BEND
0+140.8	92.78	90.380	45° VERTICAL BEND
0+141.8	92.79	90.810	50mmØ TVS OFF 200mmØ
0+143.8	92.74	90.810	22" HORIZONTAL BEND
0+145.1	92.73	90.810	45° VERTICAL BEND
0+145.1	92.73	90.810	45° VERTICAL BEND
0+146.8	92.85	90.310	200mmØ VALVE AND VALVE BOX
0+162.7	92.64	90.240	22" HORIZONTAL BEND
0+167.2	92.70	90.300	200mmØ x 200mmØ TEE