

Legend

- PROPOSED WATERMAIN
- PROPOSED VALVE AND VALVE BOX
- PROPOSED VALVE CHAMBER
- PROPOSED W3 CHAMBER
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED DEPRESSED CURB LOCATIONS
- PROPOSED BARRIER CURB
- THERMAL INSULATION ON STORM SEWER WHERE COVER IS LESS THAN 2.0m AND ON SANITARY SEWER WHERE COVER IS LESS THAN 2.5m AS PER S.S.
- WATER METER LOCATION AND NUMBER OF METERS
- REMOTE WATER METER LOCATION AND NUMBER OF METERS
- HOSE BIB
- PROPOSED 2hr RATED FIRE WALL LOCATION
- 150mm SANITARY SEWER PVC SDR 26 @ 15 MIN
- 3 x 19mm PEK WATER SERVICE C/W CURB STOP AND SERVICE POST PER STACK UNLESS OTHERWISE SHOWN
- 200mm STORM SERVICE PVC SDR 26 @ 15 MIN
- 0.6m BEHIND BACK OF CURB / SIDEWALK AS SHOWN ON PLAN

Notes

- FINAL METER AND REMOTE METER LOCATIONS TO BE CONFIRMED BY MECHANICAL CONSULTANT.
- FINAL BUILDING SERVICE SIZES TO BE REVIEWED AND CONFIRMED BY MECHANICAL CONSULTANT.
- THE LOCATION AND ELEVATION OF SEWERS, WATERMAIN AND UTILITIES IS APPROXIMATE ONLY AND THE EXACT LOCATION AND ELEVATIONS SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION AND ELEVATION OF SEWERS, WATERMAIN AND UTILITIES AND SHALL BE RESPONSIBLE FOR THEIR PROTECTION AND THE IMPLEMENTATION OF ANY NECESSARY PROCEDURES CALLED FOR IN THE APPROPRIATE STANDARD AND REGULATIONS. ANY DISCREPANCY WITH THE INFORMATION SHOWN ON THESE PLANS SHALL BE REPORTED TO THE ENGINEER PRIOR TO COMMENCING WITH CONSTRUCTION.
- EXISTING SEWER INFORMATION PROVIDED FROM ENGINEERING DESIGN DRAWINGS PREPARED BY STANTEC KANATA WEST - PHASE 1, AS-BUILT DATED FEB 23, 2022

Revision	By	Appd.	Y.M.M.M.DD	
4	REVISD SERVICE CONNECTIONS TO PLOUGHSHARE	WAJ	SGG	26.04.15
3	REVISD AS PER CITY COMMENTS	WAJ	SGG	26.02.05
2	REVISD AS PER CITY COMMENTS	WAJ	SGG	25.12.09
1	REVISD PER CITY COMPLETENESS REVIEW COMMENTS	WAJ	SGG	25.09.16
0	ISSUED FOR SPA	JP	AMP	25.07.29

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Dwn. Chkd. Dgn. Y.M.M.M.DD

Client/Project  
RICH CRAFT HOMES

KANATA WEST - BLOCK 1  
815 ROGER GRIFFITHS AVENUE  
OTTAWA, ON

Title  
SITE SERVICING PLAN

Project No. 160402165  
Drawing No. 36504

Scale 1:300  
Sheet 2 of 8  
Revision 4

PLAN # 19383

STATION	FINISHED GRADE	TOP W/M	ITEM
0+000	97.20	95.05	200x200 TEE CONNECTION TO EX. 200mmØ PVC WATERMAIN
0+002	97.59	95.77	45° VERTICAL BEND
0+002.2	97.59	95.77	45° VERTICAL BEND
0+004	97.49	95.97	45° VERTICAL BEND
0+007.4	97.49	95.074	45° VERTICAL BEND
0+009.2	97.56	95.160	200mmØ x 200mmØ TEE
0+012.0	97.44	95.240	DMA CHAMBER c/w 200mmØ GATE VALVE AS PER OTTAWA STD W3
0+019.7	97.75	95.350	200mmØ x 200mmØ TEE
0+020	97.75	95.350	TOP OF WATERMAIN
0+038.4	97.59	95.190	22" HORIZONTAL BEND
0+040	97.58	95.180	TOP OF WATERMAIN
0+057.5	97.48	95.280	150mmØ HYDRANT TEE
0+064.0	97.70	95.300	22" HORIZONTAL BEND
0+079.7	97.42	95.220	11" HORIZONTAL BEND
0+080	97.42	95.220	TOP OF WATERMAIN
0+100	97.52	95.120	TOP OF WATERMAIN
0+104.8	97.58	95.180	45° VERTICAL BEND
0+108.1	97.72	95.320	45° VERTICAL BEND
0+109.1	97.75	95.31	45° VERTICAL BEND
0+111.1	97.80	95.31	45° VERTICAL BEND
0+113.1	97.86	95.31	45° VERTICAL BEND
0+114.1	97.89	95.490	45° VERTICAL BEND
0+115.7	97.93	95.350	200mmØ VALVE AND BOX
0+118.2	98.11	95.710	200mmØ x 150mmØ REDUCER
0+120.9	98.11	95.710	150mmØ STUB

STATION	FINISHED GRADE	TOP W/M	ITEM
0+000	97.20	95.05	200x200 TEE CONNECTION TO EX. 200mmØ PVC WATERMAIN
0+002	97.47	95.274	45° VERTICAL BEND
0+003.2	97.70	95.91	45° VERTICAL BEND
0+010.1	97.44	95.910	200mmØ x 200mmØ TEE
0+012.0	97.45	95.910	DMA CHAMBER c/w 200mmØ GATE VALVE AS PER OTTAWA STD W3
0+015.8	97.49	95.910	45° VERTICAL BEND
0+016.8	97.48	95.280	45° VERTICAL BEND
0+020	97.43	95.230	TOP OF PIPE
0+040.0	97.45	95.250	200mmØ VALVE AND BOX
0+042.3	97.47	95.270	200mmØ x 200mmØ TEE
0+040	97.43	95.230	TOP OF WATERMAIN
0+080.0	97.81	95.410	TOP OF WATERMAIN
0+081.7	97.84	95.440	200mmØ VALVE AND BOX
0+082.0	97.87	95.470	45° VERTICAL BEND
0+083.0	97.89	95.15	45° VERTICAL BEND
0+085.8	97.88	95.15	45° VERTICAL BEND
0+086.9	97.90	95.500	45° VERTICAL BEND
0+088.4	97.95	95.250	200mmØ x 150mmØ TEE

STATION	FINISHED GRADE	TOP W/M	ITEM
0+000	97.47	95.270	200mmØ x 200mmØ TEE
0+001.5	97.42	95.220	45° VERTICAL BEND
0+002.5	97.59	95.606	45° VERTICAL BEND
0+004.5	97.61	95.606	45° VERTICAL BEND
0+005.5	97.43	95.230	45° VERTICAL BEND
0+007.1	97.47	95.270	200mmØ VALVE AND VALVE BOX
0+008.7	97.61	95.310	150mmØ HYDRANT TEE
0+020	97.80	95.400	TOP OF WATERMAIN
0+026.1	97.72	95.320	200mmØ x 200mmØ TEE
0+029.7	97.47	95.270	200mmØ VALVE AND VALVE BOX
0+040	97.76	95.360	TOP OF WATERMAIN
0+041.5	97.76	95.360	50mmØ x 200mmØ TEE
0+042.1	97.77	95.370	200mmØ CAP AND THRUST BLOCK

STATION	FINISHED GRADE	TOP W/M	ITEM
0+000	97.86	95.460	200mmØ CAP AND THRUST BLOCK
0+000.6	97.86	95.460	50mmØ x 200mmØ TEE
0+009.6	97.95	95.550	200mmØ x 200mmØ TEE
0+012.6	97.95	95.550	200mmØ VALVE AND BOX
0+020	97.85	95.450	TOP OF WATERMAIN
0+036.9	97.49	95.290	200mmØ VALVE AND BOX
0+040	97.47	95.270	TOP OF WATERMAIN
0+041.2	97.46	95.260	200mmØ x 200mmØ TEE
0+042.6	97.45	95.250	150mmØ HYDRANT TEE
0+048.1	97.42	95.220	50mmØ x 200mmØ TEE
0+048.7	97.42	95.220	200mmØ CAP AND THRUST BLOCK

STATION	FINISHED GRADE	TOP W/M	ITEM
0+000	97.72	95.320	200mmØ x 200mmØ TEE
0+001.8	97.49	95.290	200mmØ VALVE AND BOX
0+002.7	97.48	95.280	45° VERTICAL BEND
0+003.7	97.46	97.580	45° VERTICAL BEND
0+007.7	97.49	97.580	45° VERTICAL BEND
0+008.7	97.72	95.320	45° VERTICAL BEND
0+020	98.06	95.660	TOP OF WATERMAIN
0+027.2	97.92	95.320	45° VERTICAL BEND
0+034.4	97.86	95.460	45° HORIZONTAL BEND
0+037.7	97.43	95.230	45° VERTICAL BEND
0+040.7	97.41	94.750	45° VERTICAL BEND
0+044.6	97.61	94.750	45° VERTICAL BEND
0+045.6	97.61	95.210	45° VERTICAL BEND
0+043.2	97.55	95.150	200mmØ VALVE AND BOX
0+048.3	97.46	95.260	200mmØ x 200mmØ TEE

CROSSING	STM INV	STM OBV	SAN INV	SAN OBV	WTR TOP	WTR BTM	COMMENTS
▲	94.82	95.19	93.97	94.17	95.84	95.69	WATERMAIN CROSSING PER W25.2. INSULATE PER W2
▲	X	X	93.29	93.49	95.27	95.12	REFER TO DWG
▲	95.69	95.89	93.90	94.10	95.19	94.99	
▲	95.31	95.61	94.02	94.22	94.31	96.11	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
▲	X	X	93.98	94.18	95.33	95.13	REFER TO DWG
▲	93.93 (93.79)	95.13 (95.27)	94.39	94.59	95.97	95.77	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
▲	93.87 (93.73)	95.07 (95.21)	94.55	94.75	95.91	95.71	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
▲	X	X	X	X	X	X	REFER TO DWG
▲	94.99	95.19	93.15	93.35	95.91	95.71	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
▲	94.83 (94.75)	95.28 (95.36)	93.26	93.46	96.06	95.86	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
▲	94.84 (94.76)	95.29 (95.37)	93.33	93.53	X	X	
▲	95.14	95.52	93.45	93.65	X	X	
▲	95.15	95.45	93.52	93.72	96.15	95.95	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
▲	95.08	95.38	93.48	93.68	94.58	94.38	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
▲	95.34 (95.24)	96.24 (96.34)			94.58	94.38	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
▲	95.52 (95.42)	96.42 (96.52)			94.75	94.55	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
▲	95.25	95.55	93.70	93.90	94.75	94.55	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
▲	93.92 (93.78)	95.12 (95.26)	94.41	94.61	95.96	95.76	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
▲	93.88 (93.74)	95.08 (95.22)	94.53	94.73	95.92	95.72	WATERMAIN CROSSING PER W25.2. INSULATE PER W22

BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS

Orifice Name	Tribe Area ID	ICD Type	2yr Head (m)	2yr Flow (L/s)	100yr Head (m)	100yr Flow (L/s)
C101A-2IC	C101A	CIRCULAR (102mm ORIFICE)	0.79	19.04	2.36	31.62
C103A-2IC	C103A	CIRCULAR (83mm ORIFICE)	1.36	16.78	2.02	20.55
C201A-1IC	C201A	CIRCULAR (94mm ORIFICE)	0.55	13.28	2.45	27.11
C201B-1C	C201B	CIRCULAR (83mm ORIFICE)	0.59	13.77	2.75	22.38
C202A-1IC	C202A	CIRCULAR (83mm ORIFICE)	1.46	17.41	2.47	21.45
C203A-2IC	C203A	CIRCULAR (83mm ORIFICE)	0.68	11.72	2.43	22.14
C204A-2IC	C204A	CIRCULAR (83mm ORIFICE)	1.57	18.06	2.28	21.50
C205A-1IC	C205A	CIRCULAR (83mm ORIFICE)	0.74	12.23	2.40	21.52

