200mmØ WATERMAIN TABLE A

M	FINISHED GRADE	TOP W/M	ITEM
0+000	97.47±	95.07±	200x200 TEE CONNECTION TO EX.200mmØ PVC WATERMAIN
0+002.2	97.47±	95.07±	45° VERTICAL BEND
0+003.2	97.51±	95.98	45° VERTICAL BEND
0+006.4	97.51±	95.98	45° VERTICAL BEND
0+007.4	97.47±	95.07±	45° VERTICAL BEND
0+011.9	97.62	95.220	BOUNDARY CHAMBER AS PER OTTAWA STD W3.1
0+018.2	97.73	95.330	200mmØ VALVE AND BOX
0+019.7	97.70	95.300	200mmØx150mmØ TEE
0+026.8	97.63	95.230	22½° HORIZONTAL BEND
0+040	97.55	95.150	TOP OF WATERMAIN
0+058.1	97.66	95.260	150mmØ HYDRANT TEE
0+065.8	97.71	95.310	22½° HORIZONTAL BEND
0+080	97.63	95.230	TOP OF WATERMAIN
0+083.9	97.60	95.200	200mmØx150mmØ TEE
0+084.2	97.65	95.250	45° VERTICAL BEND
0+086.2	97.74	96.44	45° VERTICAL BEND
0+087.2	97.74	96.44	45° VERTICAL BEND
0+088.2	97.60	95.200	45° VERTICAL BEND
0+100	97.52	95.120	TOP OF WATERMAIN
0+107.1	97.67	95.270	45° HORIZONTAL BEND
0+0110.2	97.79	95.390	45° HORIZONTAL BEND
0+0115.4	97.93	95.530	200mmØ VALVE AND BOX
0+0117.3	97.93	95.530	200 x 150 REDUCER
0+0120	98.11	95.710	150mmØ STUB

200mmØ WATERMAIN TABLE B

STATION	FINISHED GRADE	TOP W/M	ITEM
0+000	97.61±	95.27±	200x200 TEE CONNECTION TO EX.200mmØ PVC WATERMAIN
0+002.2	97.61±	95.07±	45° VERTICAL BEND
0+003.2	97.67±	95.91	45° VERTICAL BEND
0+0011.8	97.67	95.91	BOUNDARY CHAMBER AS PER OTTAWA STD W3.1
0+015.4	97.66	95.91	45° VERTICAL BEND
0+0016.4	97.65	95.250	45° VERTICAL BEND
0+018	97.66	95.260	200mmØ VALVE AND BOX
0+020	97.62	95.220	TOP OF PIPE
0+040	97.65	95.250	200mmØ VALVE AND BOX
0+042.3	97.67	95.270	200mmØ x 200mmØ TEE
0+060	97.60	95.200	TOP OF WATERMAIN
0+080	97.80	95.400	150mmØ HYDRANT TEE
0+081.7	97.84	95.440	200mmØ VALVE AND BOX
0+082.5	97.86	95.460	45° VERTICAL BEND
0+083.2	97.88	96.25	45° VERTICAL BEND
0+085.2	97.88	96.25	45° VERTICAL BEND
0+086.2	97.90	95.500	45° VERTICAL BEND
0+088.4	97.95	95.250	200mmØ x 150mmØ TEE

200mmØ WATERMAIN TABLE C

STATION	FINISHED GRADE	TOP W/M	ITEM
0+000	97.71	95.310	200mmØ x 200mmØ TEE
0+002.0	97.66	95.260	45° VERTICAL BEND
0+002.7	97.62	94.920	45° VERTICAL BEND
0+007.1	97.66	94.960	200mmØ VALVE AND BOX
0+008.7	97.68	94.980	150mmØ HYDRANT TEE
0+020	97.77	95.070	TOP OF WATERMAIN
0+040	97.71	95.010	TOP OF WATERMAIN
0+048	97.79	95.090	200mmØ CAP AND THRUST BLOCK

200mmØ WATERMAIN TABLE D

STATION	FINISHED GRADE	TOP W/M	ITEM
0+000	97.60	95.200	200mmØ x 200mmØ TEE
0+006.8	97.94	95.540	22½° HORIZONTAL BEND
0+008.5	98.10	95.700	200mmØ VALVE AND BOX
0+010.0	98.10	95.700	45° VERTICAL BEND
0+011.5	98.10	95.400	45° VERTICAL BEND
0+0014.5	97.95	95.250	45 ° HORIZONTAL BEND
0+020	97.93	95.230	TOP OF WATERMAIN
0+037.3	97.95	95.250	200mmØ x 200mmØ TEE
0+040.3	97.77	95.070	200mmØ VALVE AND BOX
0+060	97.75	95.050	TOP OF WATERMAIN
0+080	97.65	94.950	TOP OF WATERMAIN
0+085	97.70	95.000	200mmØ CAP AND THRUST BLOCK

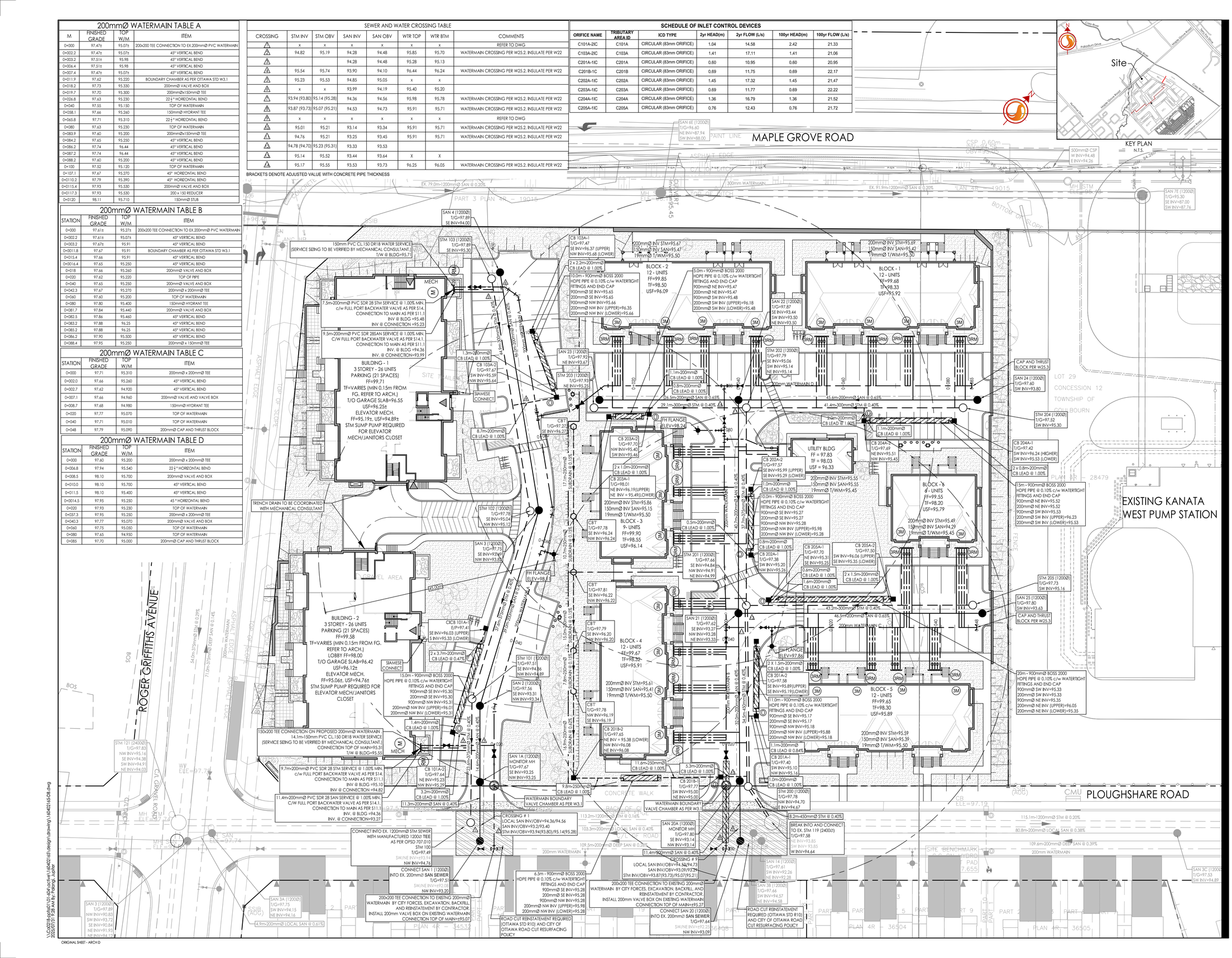
SEWER AND WATER CROSSING TABLE

CROSSING	STM INV	STM OBV	SAN INV	SAN OBV	WTR TOP	WTR BTM	COMMENTS
1	x	x	x	x	x	x	REFER TO DWG
2	94.82	95.19	94.28	94.48	95.85	95.70	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
3			94.28	94.48	95.28	95.13	
4	95.54	95.74	93.90	94.10	96.44	96.24	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
5	95.23	95.53	94.85	95.05	x	x	
6	x	x	93.99	94.19	95.40	95.20	
7	93.94 (93.80)	95.14 (95.28)	94.36	94.56	95.98	95.78	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
8	93.87 (93.73)	95.07 (95.21)	94.53	94.73	95.91	95.71	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
9	x	x	x	x	x	x	REFER TO DWG
10	95.01	95.21	93.14	93.34	95.91	95.71	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
11	94.76	95.21	93.25	93.45	95.91	95.71	WATERMAIN CROSSING PER W25.2. INSULATE PER W22
12	94.78 (94.70)	95.23 (95.31)	93.33	93.53			
13	95.14	95.52	93.44	93.64	X	X	
14	95.17	95.55	93.53	93.73	96.25	96.05	WATERMAIN CROSSING PER W25.2. INSULATE PER W22

BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS

SCHEDULE OF INLET CONTROL DEVICES

ORIFICE NAME	TRIBUTARY AREA ID	ICD TYPE	2yr HEAD(m)	2yr FLOW (L/s)	100yr HEAD(m)	100yr FLOW (L/s)
C101A-2IC	C101A	CIRCULAR (83mm ORIFICE)	1.04	14.58	2.42	21.33
C103A-2IC	C103A	CIRCULAR (83mm ORIFICE)	1.41	17.11	1.41	21.06
C201A-1IC	C201A	CIRCULAR (83mm ORIFICE)	0.60	10.95	0.60	20.95
C201B-1C	C201B	CIRCULAR (83mm ORIFICE)	0.69	11.75	0.69	22.17
C202A-1IC	C202A	CIRCULAR (83mm ORIFICE)	1.45	17.32	1.45	21.47
C203A-1IC	C203A	CIRCULAR (83mm ORIFICE)	0.69	11.77	0.69	22.22
C204A-1IC	C204A	CIRCULAR (83mm ORIFICE)	1.36	16.79	1.36	21.52
C205A-1IC	C205A	CIRCULAR (83mm ORIFICE)	0.76	12.43	0.76	21.72



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 CB T AND SUBDRAIN
- PROPOSED ICD LOCATION (REFER TO ICD SCHEDULE)
- EXISTING WATERMAIN
- EXISTING VALVE AND VALVE BOX
- EXISTING VALVE CHAMBER
- EXISTING REDUCER
- EXISTING FIRE HYDRANT
- EXISTING COMBINED SEWER
- EXISTING STORM SEWER
- EXISTING CATCHBASIN MANHOLE
- EXISTING 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 SS5.
- WATER METER LOCATION AND NUMBER OF METERS
- REMOTE WATER METER LOCATION AND NUMBER OF METERS
- HOSE BIB
- PROPOSED 2hr RATED FIRE WALL LOCATION

BUILDING SERVICES

- 150mmØ SANITARY SEWER PVC SDR 28 @ 1% MIN
- 3 x 19mmØ PEX WATER SERVICE C/W CURB STOP AND SERVICE POST PER STACK UNLESS OTHERWISE SHOWN
- 200mmØ STORM SERVICE PVC SDR 28 @ 1% MIN
- 0.60m BEHIND BACK OF CURB / SIDEWALK AS SHOWN ON PLAN

Notes

1. FINAL METER AND REMOTE METER LOCATIONS TO BE CONFIRMED BY MECHANICAL CONSULTANT.
2. FINAL BUILDING SERVICE SIZES TO BE REVIEWED AND CONFIRMED BY MECHANICAL CONSULTANT.
3. 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, WATERMAINS 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 CONTINUING WITH CONSTRUCTION.
4. EXISTING SEWER INFORMATION PROVIDED FROM ENGINEERING DESIGN DRAWINGS PREPARED BY STANTEC KANATA WEST - PHASE 1, AS-BUILT DATED FEB 23 ,2022

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Revision	By	Appd.	YY.MM.DD
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File Name: 160402165-D8.dwg	JP	AMP	25.06.13
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Permit-Seal

LICENSED PROFESSIONAL ENGINEER
K.L. SMADELLA
2025-07-31
PROVINCE OF ONTARIO

Client/Project

RICHCRAFT HOMES

KANATA WEST - BLOCK 1
MAPLE GROVE RD./ROGER GRIFFITHS AVE.
OTTAWA, ON

Title

SITE SERVICING PLAN

Project No.	Scale	Revision
160402165	1:300 (0 3 9 15m)	
Drawing No.	Sheet	
SSP-1	2 of 7	0

PLAN #XXXXX

D07-XX-XX-XXXX