

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

- PROPOSED WATERMAIN AND VALVE BOX
- PROPOSED VALVE CHAMBER
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- EXISTING WATERMAIN
- EXISTING VALVE AND VALVE BOX
- EXISTING REDUCER
- EXISTING FIRE HYDRANT
- EXISTING SANITARY 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 1.3m. THERMAL INSULATION ON WATERMAIN WHERE COVER IS LESS THAN 2.4m PER W22.
- WATER METER
- REMOTE WATER METER
- PROPOSED 2HR RATED FIRE WALL LOCATION

Notes

- BACK TO BACK TERRACE HOME SERVICES
- 200mm STORM SERVICE PVC SDR 28 @ 1% MIN
- 150mm SANITARY SERVICE PVC SDR 28 @ 1% MIN
- 19mm EX. URUBO WATER SERVICE CW CURB STOP AND SERVICE POST

Revision	By	Appd.	YY.MM.DD
0	ISSUED FOR SPA	MJS	DT 21.12.13

File Name:	MJS	DT	MJS	21.12.22
160401710DB	Dwn.	Chkd.	Dgn.	YY.MM.DD

Permit-Seal

Client/Project
MATTAMY HOMES LTD.

ORLEANS DECOEUR RESIDENTIAL DEVELOPMENT
2370 TENTH LINE ROAD
OTTAWA, ON, CANADA

Title
SITE SERVICING PLAN

Project No.	Scale	0 5 15 25m
160401710	1:500	
Drawing No.	Sheet	Revision
SSP-1	3 of 7	0

200mmØ / 250mmØ WATERMAIN A

STA.	FINISHED GRADE	TOP W/M	ITEM
0+000	88.24	85.84z	200mmØ TEE TO EX. 300mmØ WATERMAIN
0+010.4	88.36	86.710	200mmØ VALVE AND VALVE BOX
0+020	88.45	86.710	TOP OF PIPE
0+043.7	88.46	86.060	200mmØ VALVE AND VALVE BOX
0+049.7	88.42	86.020	200mmØ x 200mmØ TEE
0+054.8	88.43	86.030	200mmØ VALVE AND VALVE BOX
0+059.9	88.45	86.050	200mmØ x 200mmØ TEE
0+080	88.27	85.870	TOP OF PIPE
0+100	88.10	85.700	TOP OF PIPE
0+120	88.05	85.650	TOP OF PIPE
0+140	87.75	85.350	TOP OF PIPE
0+159.7	87.99	85.990	150mmØ FIRE HYDRANT TEE
0+165.2	88.00	85.600	45° VERTICAL BEND
0+166.2	88.00	86.410	45° VERTICAL BEND
0+168.2	87.98	86.410	45° VERTICAL BEND
0+169.2	87.97	85.570	45° VERTICAL BEND
0+180	87.89	85.490	TOP OF PIPE
0+200	87.66	85.260	TOP OF PIPE
0+220	87.74	85.360	TOP OF PIPE
0+235.4	87.78	85.380	45° HORIZONTAL BEND
0+241.4	87.85	85.450	45° HORIZONTAL BEND
0+253.7	87.85	85.450	200mmØ VALVE AND VALVE BOX
0+256.7	87.82	85.420	150mmØ TO 200mmØ REDUCER
0+259.7	87.80	85.400	250mmØ x 250mmØ TEE
0+262.7	87.78	85.380	150mmØ FIRE HYDRANT TEE
0+265.7	87.75	85.350	250mmØ VALVE AND VALVE BOX
0+280	87.48	85.200	TOP OF PIPE
0+300	87.48	85.200	TOP OF PIPE
0+306.2	87.74	85.360	150mmØ BUILDING SERVICE TEE
0+322	87.76	85.360	W3 WATER CHAMBER AS PER CITY OF OTTAWA
0+332.2	87.67	85.270	45° VERTICAL BEND
0+333.2	87.70	86.100	45° VERTICAL BEND
0+335.2	87.75	86.100	45° VERTICAL BEND
0+336.2	87.77	85.370	45° VERTICAL BEND
0+340.5	87.70	85.30z	250mmØ TEE TO EX. 300mmØ WATERMAIN

200mmØ / 250mmØ WATERMAIN B

STA.	FINISHED GRADE	TOP W/M	ITEM
1+000	88.42	86.710	200mmØ x 200mmØ TEE
1+004.7	88.43	86.030	150mmØ FIRE HYDRANT TEE
1+020	88.29	84.870	TOP OF PIPE
1+026.7	88.27	84.870	45° HORIZONTAL BEND
1+028.7	88.26	84.870	45° HORIZONTAL BEND
1+040	88.07	85.670	TOP OF PIPE
1+057	88.08	85.680	45° HORIZONTAL BEND
1+066.3	88.14	85.760	45° HORIZONTAL BEND
1+068.3	88.18	85.780	200mmØ x 200mmØ TEE
1+071.3	88.22	85.820	200mmØ VALVE AND VALVE BOX
1+080	88.46	86.060	TOP OF PIPE
1+100	88.63	86.230	TOP OF PIPE
1+114.4	88.40	86.000	200mmØ x 200mmØ TEE
1+120.4	88.34	85.940	200mmØ VALVE AND VALVE BOX
1+140	88.17	85.770	TOP OF PIPE
1+146	88.17	85.770	TOP OF PIPE
1+181.5	88.29	85.890	45° VERTICAL BEND
1+182.5	88.29	84.880	45° VERTICAL BEND
1+184.5	88.28	84.880	45° VERTICAL BEND
1+185.5	88.27	85.870	45° VERTICAL BEND
1+188	88.25	85.850	150mmØ OFF 200mmØ TEE
1+191	88.27	85.870	200mmØ VALVE AND VALVE BOX
1+194.7	88.27	85.870	150mmØ FIRE HYDRANT TEE
1+220	88.29	85.890	TOP OF PIPE
1+240	88.21	85.810	TOP OF PIPE
1+251.8	88.31	85.910	45° HORIZONTAL BEND
1+257.8	88.36	85.960	45° HORIZONTAL BEND
1+280	88.46	86.260	TOP OF PIPE
1+296.7	88.11	85.710	200mmØ VALVE AND VALVE BOX
1+299.7	88.09	85.690	200mmØ x 200mmØ TEE
1+319.2	88.09	85.690	250mmØ TO 200mmØ REDUCER
1+322.2	87.80	85.400	250mmØ x 250mmØ TEE

200mmØ WATERMAIN C

STA.	FINISHED GRADE	TOP W/M	ITEM
2+000	88.18	85.780	200mmØ x 200mmØ TEE
2+003	88.22	85.820	200mmØ VALVE AND VALVE BOX
2+020	88.06	85.660	TOP OF PIPE
2+030.9	88.17	85.770	150mmØ FIRE HYDRANT
2+040	88.08	85.680	TOP OF PIPE
2+060	88.15	85.750	45° VERTICAL BEND
2+067.1	88.15	86.460	45° VERTICAL BEND
2+068.1	88.15	86.460	45° VERTICAL BEND
2+070.1	88.13	85.730	45° VERTICAL BEND
2+071.1	88.12	85.720	TOP OF PIPE
2+080	88.05	85.650	TOP OF PIPE
2+100	87.96	85.560	TOP OF PIPE
2+120	87.95	85.550	TOP OF PIPE
2+136.6	88.03	85.630	150mmØ FIRE HYDRANT
2+138.6	88.05	85.650	200mmØ VALVE AND VALVE BOX
2+141.6	88.09	85.690	200mmØ x 200mmØ TEE

200mmØ x 150mmØ WATERMAIN D BLDG B

STA.	FINISHED GRADE	TOP W/M	ITEM
3+000	88.40	86.000	200mmØ x 200mmØ TEE
3+006	88.38	85.980	200mmØ TO 150mmØ REDUCER
3+012	88.40	86.000	150mmØ VALVE AND VALVE BOX
3+017.6	88.43	86.030	45° HORIZONTAL BEND
3+023.6	88.62	86.220	45° HORIZONTAL BEND
3+026.9	88.64	86.240	150mmØ CAP AND THRUST BLOCK

200mmØ x 150mmØ WATERMAIN E BLDG A

STA.	FINISHED GRADE	TOP W/M	ITEM
4+000	88.25	85.850	150mmØ OFF 200mmØ TEE
4+017.4	88.38	85.980	150mmØ VALVE AND VALVE BOX
4+020.4	88.39	85.990	45° HORIZONTAL BEND
4+022.4	88.55	86.150	45° HORIZONTAL BEND
4+023.5	88.57	86.170	150mmØ CAP AND THRUST BLOCK

SCHEDULE OF ROOF RELEASE RATES

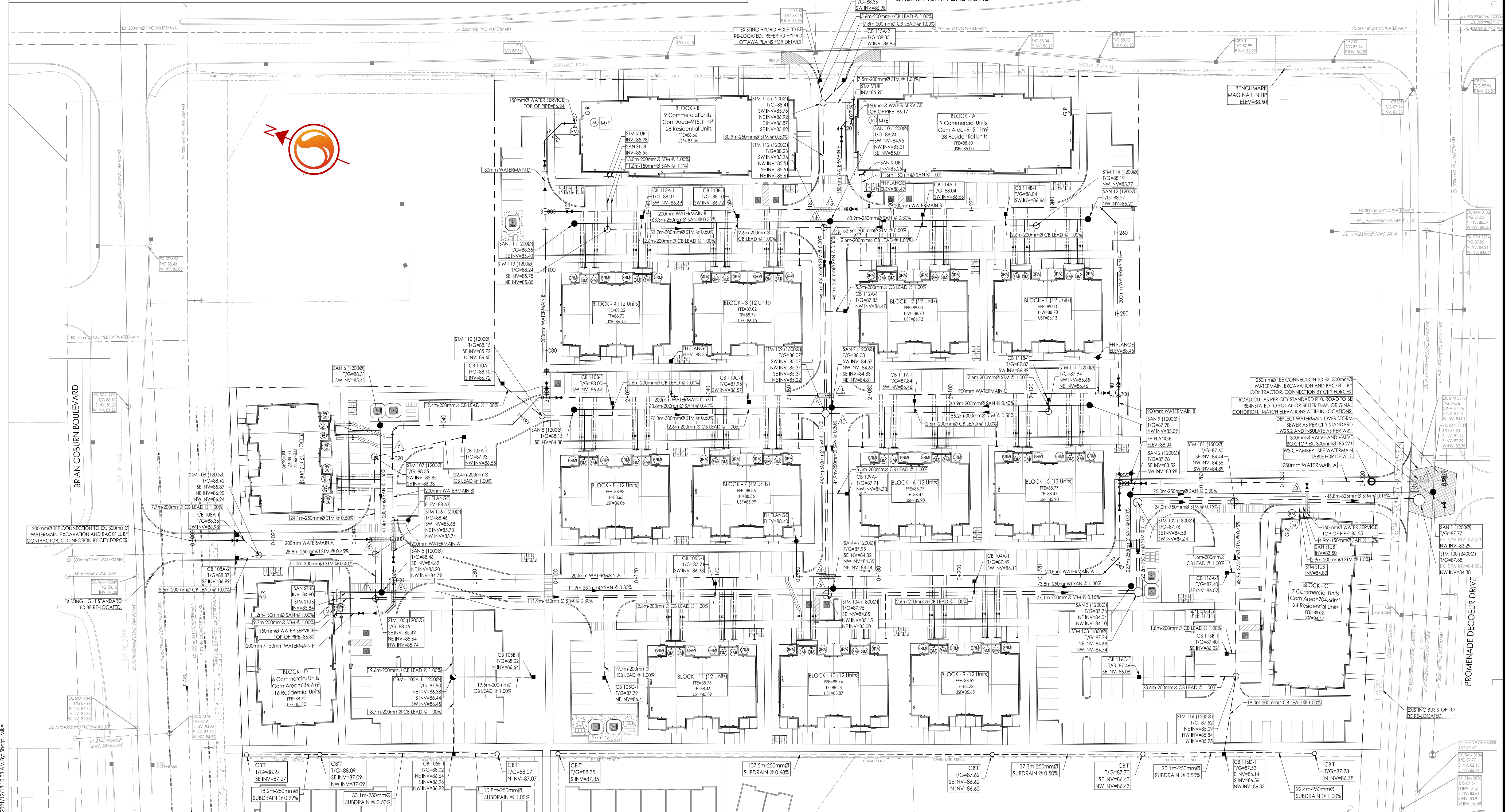
DRAIN TYPE	TRIBUTARY AREA (m²)	# OF DRAINS	100YR HEAD (m)	100YR FLOW (L/s)	100YR FLOW (m³/hr)
WATS ACCU/FLOW (25% OPEN)	ROOF 101A	4	0.15	3.77	31.4
WATS ACCU/FLOW (25% OPEN)	ROOF 102A	4	0.15	3.74	26.1
WATS ACCU/FLOW (25% OPEN)	ROOF 113A	5	0.15	4.71	39.2
WATS ACCU/FLOW (25% OPEN)	ROOF 115A	5	0.15	4.71	39.2

ICD TABLE

CATCHBASIN ID	TRIBUTARY AREA ID	ICD TYPE	5YR HEAD (m)	100YR HEAD (m)	5YR FLOW (L/s)	100YR FLOW (L/s)
CB L105A	L105A	108mm HF ORIFICE	1.52	1.82	28.62	31.31
CB L105B	L105B	83mm HF ORIFICE	1.38	1.51	6.71	7.02
CB L105C	L105C	LMF 70	1.38	1.68	8.44	9.31
CB L105D	L105D	178 HF ORIFICE	1.38	1.68	74.07	81.72
CB L105E	L105E	N/A	1.38	1.38	3.45	7.82
CB L104A	L104A	178mm HF ORIFICE	1.38	1.68	74.07	81.72
CB L107A	L107A	108mm HF ORIFICE	1.38	1.63	27.27	29.63
CB L108A	L108A	N/A	1.38	1.68	8.23	17.62
CB L109A	L109A	83mm HF ORIFICE	1.38	1.68	16.10	17.77
CB L110A	L110A	LMF 70	1.38	1.47	5.04	5.22
CB L110B	L110B	152mm HF ORIFICE	1.36	1.51	53.62	56.50
CB L110C	L110C	152mm HF ORIFICE	1.38	1.54	54.01	57.05
CB L111A	L111A	127mm HF ORIFICE	1.37	1.58	37.57	40.34
CB L111B	L111B	108mm HF ORIFICE	1.37	1.58	27.17	29.18
CB L112A	L112A	83mm HF ORIFICE	1.38	1.68	16.10	17.77
CB L113A	L113A	127mm HF ORIFICE	1.38	1.64	37.70	41.10
CB L113B	L113B	108mm HF ORIFICE	1.36	1.53	27.07	28.71
CB L114A	L114A	102mm HF ORIFICE	1.38	1.59	24.32	26.11
CB L114B	L114B	127mm HF ORIFICE	1.38	1.59	37.70	40.47
CB L115A	L115A	N/A	1.38	1.38	1.97	4.22
CB L116A	L116A	95mm HF ORIFICE	1.38	1.63	21.10	22.93
CB L116B	L116B	95mm HF ORIFICE	1.38	1.68	21.10	23.28
CB L116C	L116C	152mm HF ORIFICE	1.38	1.68	54.01	59.59
CB L116D	L116D	152mm HF ORIFICE	1.38	1.38	54.01	59.59

SEWER AND WATERMAIN CROSSING TABLE

CROSSING	STM INV	STM OVB	SAN INV	SAN OVB	WTR BTM	CB INV	CB OVB
84.00(83.85)	85.20(83.33)	82.38	82.43	86.10	85.85		
84.02(84.30)	85.24(83.36)	83.47	83.42	86.01	85.86		
85.01(84.91)	85.41(83.71)	84.44	84.69	86.41	86.21		
85.00(84.90)	85.40(83.70)	84.35	84.60				
85.48(85.40)	85.93(84.01)	84.68	84.93	86.71	86.51		
85.45	85.93	84.81	84.94				
85.76	86.01	85.27	85.47	86.71	86.51		
85.38	85.68	84.57	84.82			86.37	86.57
85.23(85.15)	85.68(75.76)	84.63	84.83				
85.23(85.15)	85.68(75.76)	84.82	85.07	86.46	86.26		
85.52	85.82	84.95	85.20				
85.62	85.87	85.21	85.46				
85.63	85.88		86.58	86.38			



V:\01\160401710\160401710_SSP.dwg
 2023/12/13 10:53 AM by: [Name]
 ORIGINAL SHEET - ARCH D