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Legend

- PROPOSED WATERMAIN
- PROPOSED VALVE AND VALVE BOX
- PROPOSED VALVE CHAMBER
- PROPOSED W3 CHAMBER
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED C8 T AND SUBDRAIN
- 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
- EXISTING C8 T AND SUBDRAIN
- 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 S35.
- WATER METER
- REMOTE WATER METER

Notes

- FINAL METER AND REMOTE METER LOCATIONS TO BE CONFIRMED BY MECHANICAL CONSULTANT.
- SANITARY, STORM AND WATER SERVICE SIZES TO BE 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 CONTINUING WITH CONSTRUCTION.
- INTERNAL PLUMBING AND SUMP PUMPS TO BE DESIGNED BY THE MECHANICAL CONSULTANT.
- USE TO BE CONFIRMED BY THE STRUCTURAL CONSULTANT.

Revision	By	App'd.	Y/M/D
0 1ST SUBMISSION	MJS	DT	25.05.26
1	MJS	DT	25.01.20
2	Dwn.	Chkd.	Dgn.

Permit-Seal

Client/Project
**RICH CRAFT
MER BLEUE ROAD
COMMERCIAL DEVELOPMENT**

Ottawa, ON, Canada

Title
SITE SERVICING PLAN

Project No. 160401884	Scale 1:500	Sheet 0	Revision 0
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SSP-1

3 of 7

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SEWER AND WATERMAIN CROSSING TABLE

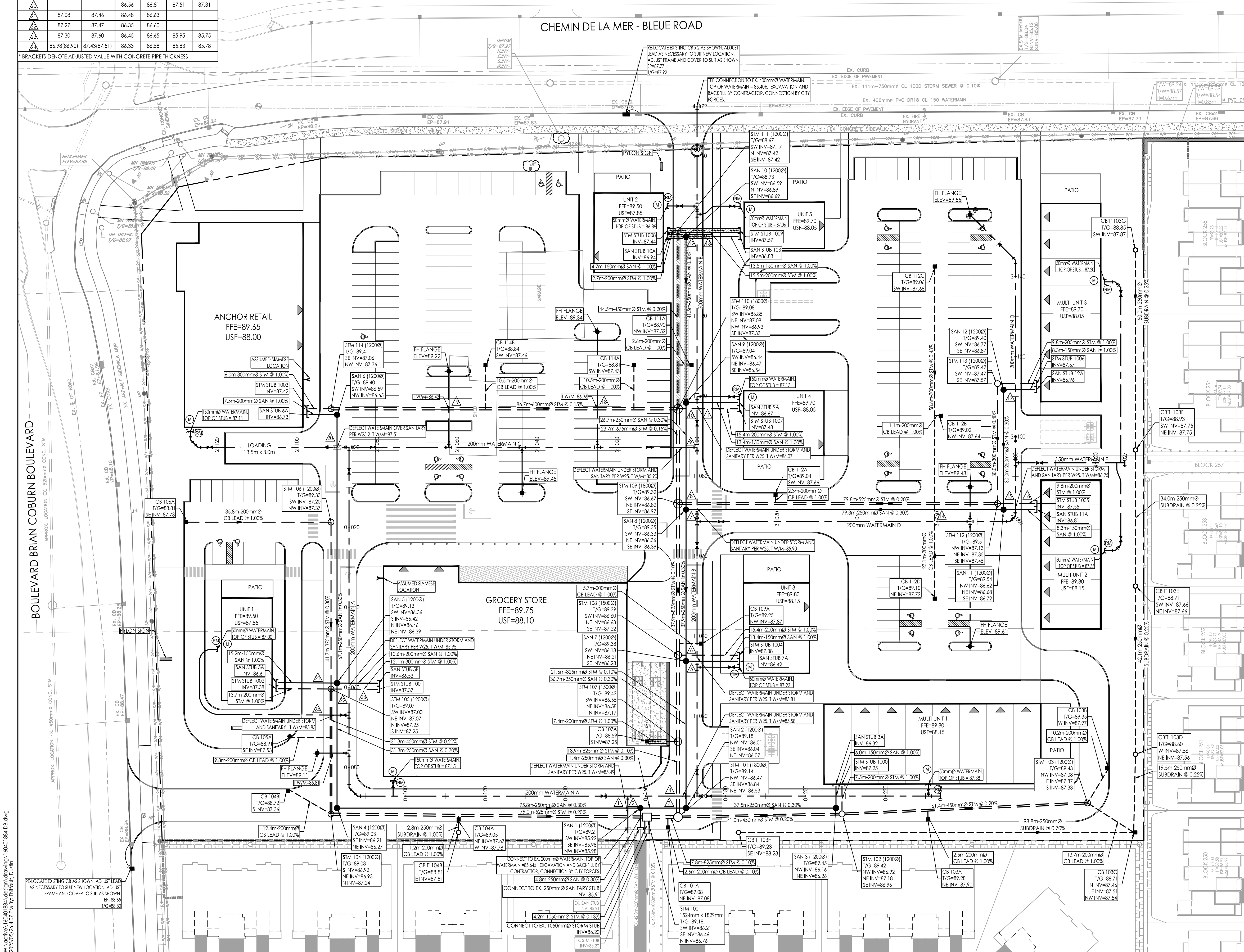
CROSSING	STM INV	STM OBV	SAN INV	SAN OBV	WTR TOP	WTR BTM
86.77(86.68)	87.30(87.39)	85.99	86.24	85.49	85.29	
86.76(86.67)	87.29(87.38)	85.92	86.17			
86.53(86.41)	87.34(87.48)	86.01	86.26			
86.53(86.41)	87.34(87.48)	86.08	86.33	85.58	85.38	
87.27	87.47	86.31	86.46	85.81	85.61	
87.23	87.43	86.22	86.47			
86.98(86.89)	87.51(87.63)	86.40	86.65	85.90	85.70	
86.97(86.88)	87.50(87.59)	86.36	86.61			
86.83(86.72)	87.51(87.62)	86.40	86.65	85.90	85.70	
87.35	87.55	86.44	86.69			
87.38	87.58	86.57	86.72	86.07	85.87	
86.17(86.09)	86.62(87.71)	86.91	87.06			
87.47	87.67	86.72	86.87	86.22	86.02	
87.49	87.69	86.57	86.82			
87.47	87.67	86.69	86.94			
87.50	87.70	86.75	86.90	86.25	86.05	
87.42	87.82	86.90	87.05	86.40	86.20	
86.94(86.84)	87.54(87.64)			86.36	83.21	
87.02(86.92)	87.42(87.72)			86.42	86.27	
		86.56	86.81	87.51	87.31	
87.08	87.46	86.48	86.63			
87.27	87.47	86.35	86.60			
87.30	87.60	86.45	86.65	85.95	85.75	
86.98(86.90)	87.43(87.51)	86.33	86.58	85.83	85.78	

ICD TABLE

CATCHBASIN ID	TRIBUTARY AREA ID	ICD TYPE	2YR HEAD (m)	100YR HEAD (m)	2YR FLOW (L/s)	100YR FLOW (L/s)
CB101A	L101A	95mm ORIFICE	1.51	2.19	22.1	26.6
CB103A	L103A	95mm ORIFICE	0.25	1.45	8.9	21.6
CB103B	L103B	83mm ORIFICE	0.71	1.48	11.6	16.7
CB103C	L103C	83mm ORIFICE	0.53	1.21	10.0	15.1
CB104A	L104A	83mm ORIFICE	0.38	1.55	8.5	17.1
CB104B	L104B	108mm ORIFICE	0.77	1.53	20.4	28.7
CB105A	L105A	83mm ORIFICE	0.42	1.49	8.8	16.7
CB106A	L106A	200mm CB LEAD	0.16	1.13	33.7	90.2
CB107A	L107A	NONE	-	-	4.2	10.9
CB109A	L109A	95mm ORIFICE	0.78	1.52	15.8	22.2
CB111A	L111A	83mm ORIFICE	0.59	1.52	10.5	16.9
CB112A	L112A	152mm ORIFICE	0.27	1.46	23.8	55.6
CB112B	L112B	152mm ORIFICE	0.95	1.60	44.8	58.2
CB112C	L112C	178mm ORIFICE	0.79	1.53	56.2	78.0
CB112D	L112D	152mm ORIFICE	0.93	1.61	44.3	58.4
CB114A	L114A	127mm ORIFICE	1.02	1.62	32.3	40.8
CB114B	L114B	250mm CB LEAD	0.81	1.58	119.1	165.4

SCHEDULE OF ROOF RELEASE RATES

DRAIN TYPE	TRIBUTARY AREA ID	100YR HEAD (m)	100YR RELEASE RATE (L/s)	100YR PONDING VOLUME (m³)
ZURN CONTROL-FLO	R1000A	0.138	8.5	34.4
ZURN CONTROL-FLO	R1001A	0.139	23.4	99.9
ZURN CONTROL-FLO	R1002A	0.128	3.9	8.1
ZURN CONTROL-FLO	R1003A	0.137	12.6	47.2
ZURN CONTROL-FLO	R1004A	0.131	4.0	10.0
ZURN CONTROL-FLO	R1005A	0.139	4.3	18.1
ZURN CONTROL-FLO	R1006A	0.136	6.3	22.7
ZURN CONTROL-FLO	R1007A	0.129	4.0	8.5
ZURN CONTROL-FLO	R1008A	0.129	4.0	8.8
ZURN CONTROL-FLO	R1009A	0.135	2.1	6.8



200mmØ WATERMAIN TABLE A

STATION	FINISHED GRADE	TOP W/M	ITEM
0+000	89.42	87.020	200mmØ TEE
0+006	89.43	87.030	200mmØ VALVE AND VALVE BOX
0+020	89.47	87.070	TOP OF PIPE
0+040	89.43	87.030	TOP OF PIPE
0+060	89.20	85.950	TOP OF PIPE
0+066.9	89.12	86.720	50mmØ BUILDING SERVICE
0+076.4	89.02	86.620	150mmØ HYDRANT TEE
0+085.1	89.11	86.710	45° HORIZONTAL BEND
0+088.1	89.17	86.770	45° HORIZONTAL BEND
0+097	89.28	86.880	150mmØ BUILDING SERVICE TEE
0+120	89.27	86.870	TOP OF PIPE
0+140	89.35	86.950	TOP OF PIPE
0+149.6	89.29	86.890	200mmØ VALVE AND VALVE BOX
0+155.6	89.25	86.850	200mmØ TEE
0+172.9	89.23	86.830	200mmØ TEE
0+175.9	89.24	86.840	200mmØ VALVE AND VALVE BOX
0+200	89.49	87.090	TOP OF PIPE
0+220	89.50	87.100	TOP OF PIPE
0+230.7	89.50	87.100	50mmØ BUILDING SERVICE
0+233.7	89.50	87.100	CAP AND THRUST BLOCK

200mmØ WATERMAIN TABLE B

STATION	FINISHED GRADE	TOP W/M	ITEM
1+000	89.23	86.830	200mmØ TEE
1+006	89.31	86.910	200mmØ VALVE AND VALVE BOX
1+020	89.45	87.050	TOP OF PIPE
1+032.2	89.34	86.940	50mmØ BUILDING SERVICE
1+040	89.29	86.890	TOP OF PIPE
1+062.6	89.41	87.010	200mmØ VALVE AND VALVE BOX
1+068.6	89.35	86.950	200mmØ TEE
1+080	89.25	86.850	TOP OF PIPE
1+087.2	89.18	86.780	200mmØ TEE
1+093.2	89.09	86.690	200mmØ VALVE AND VALVE BOX
1+099.8	89.01	86.610	50mmØ BUILDING SERVICE
1+120	89.01	86.610	TOP OF PIPE
1+140	88.73	86.330	TOP OF PIPE
1+145.5	88.73	86.330	50mmØ BUILDING SERVICE
1+147.5	88.46	86.060	50mmØ BUILDING SERVICE
1+161.6	88.09	85.690	W3 CHAMBER
1+172.4	87.86	85.402	TEE CONNECTION TO EXISTING 400mmØ

200mmØ WATERMAIN TABLE C

STATION	FINISHED GRADE	TOP W/M	ITEM
2+000	89.18	86.780	200mmØ TEE
2+012	89.09	86.690	200mmØ VALVE AND VALVE BOX
2+024.9	89.09	86.690	150mmØ HYDRANT TEE
2+043.7	89.09	86.690	150mmØ HYDRANT TEE
2+062	89.12	86.720	150mmØ HYDRANT TEE
2+081	89.34	86.940	200mmØ VALVE AND VALVE BOX
2+087	89.42	87.020	200mmØ TEE
2+093	89.36	86.940	200mmØ TO 150mmØ REDUCER
2+121.8	89.57	87.160	150mmØ VALVE AND VALVE BOX
2+124.7	89.44	87.040	45° HORIZONTAL BEND
2+127.2	89.45	87.050	45° HORIZONTAL BEND
2+129.3	89.51	87.110	CAP AND THRUST BLOCK

200mmØ WATERMAIN TABLE D

STATION	FINISHED GRADE	TOP W/M	ITEM
3+000	89.35	86.950	200mmØ TEE
3+006	89.28	86.880	200mmØ VALVE AND VALVE BOX
3+020	89.15	86.750	TOP OF PIPE
3+040	89.33	86.930	TOP OF PIPE
3+060	89.46	87.060	TOP OF PIPE
3+068.2	89.51	87.110	200mmØ TO 150mmØ HYDRANT TEE
3+078.2	89.58	87.180	45° HORIZONTAL BEND
3+080.2	89.58	87.180	45° HORIZONTAL BEND
3+093.5	89.43	87.030	200mmØ TO 150mmØ TEE
3+099.5	89.40	87.000	200mmØ VALVE AND VALVE BOX
3+120	89.48	87.080	TOP OF PIPE
3+144.1	89.47	87.070	45° HORIZONTAL BEND
3+150.1	89.41	87.010	200mmØ TO 150mmØ REDUCER
3+157.1	89.34	86.940	HYDRANT VALVE
3+160.1	89.45	87.050	HYDRANT

150mmØ WATERMAIN TABLE E

STATION	FINISHED GRADE	TOP W/M	ITEM
4+000	89.43	87.030	200mmØ TO 150mmØ TEE
4+006	89.61	87.210	150mmØ VALVE AND VALVE BOX
4+020	89.61	87.210	TOP OF PIPE
4+025.3	89.43	87.030	50mmØ BUILDING SERVICE
4+026.3	89.38	86.980	50mmØ BUILDING SERVICE