ICD TABLE

Structure	Invert	ICD Type	100yr Head (m)	100yr Flow (L/s)	2yr Head (m)	2yr Flow (L/s)
CB 101A	101.89	IPEX TEMPEST LMF 90	0.99	7.2	0.15	2.7
CB 102A	101.99	IPEX TEMPEST HF 127mm	1.65	40.5	0.70	25.6
CB 103A	102.23	IPEX TEMPEST HF 102mm	1.54	25.2	1.21	22.3
CB 104A	102.66	IPEX TEMPEST HF 154mm	1.68	59.9	0.94	44.0
STM 111	101.58	IPEX TEMPEST HF 127mm	1.91	43.6	0.32	16.4
CB 105C	103.82	IPEX TEMPEST LMF 105	1.46	11.8	0.35	5.8
CB 108A	103.97	IPEX TEMPEST HF 108mm	1.58	28.7	0.88	21.2
CB 110A	104.27	IPEX TEMPEST HF 127mm	1.50	38.4	0.57	22.9
CB 110B	104.05	IPEX TEMPEST LMF 90	1.56	9.0	1.01	7.2
CB 110C	103.97	IPEX TEMPEST HF 108mm	1.60	28.9	0.90	21.4
CB 110D	104.34	IPEX TEMPEST HF 102mm	1.49	24.8	0.56	14.8

SEWER AND WATERMAIN CROSSING TABLE

CROSSING	STM INV	STM OBV	SAN INV	SAN OBV	WTR TOP	WTR BTM	NOTES
1	99.28	99.96			101.30	101.10	
2	99.30	99.98	100.62	100.82			
3			100.93	101.13	101.88	101.63	DEFLECT W/M OVER SANITARY SEWER AS PER W25.2 / W22
4	99.74	100.04	100.73	100.93	101.68	101.43	DEFLECT W/M OVER STORM SEWER AS PER W25.2 / W22
5	99.81	100.34	100.84	101.04	101.79	101.54	DEFLECT W/M OVER STORM & SANITARY SEWER AS PER W25.2 / W22
6	99.82	100.35	101.02	101.22			
7	101.55	102.08	103.03	103.23			
8	101.56	102.08	102.66	102.86	103.61	103.36	DEFLECT W/M OVER STORM & SANITARY SEWER AS PER W25.2 / W22
9	102.11	102.56	103.12	103.32	104.07	103.82	DEFLECT W/M OVER STORM & SANITARY SEWER AS PER W25.2 / W22
10			101.85	102.05	102.93	102.68	
11	101.29	101.59			102.89	102.64	

250mmØ WATERMAIN 'A'

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	102.95	100.55±	EXISTING TOP OF PIPE
0+004.0	103.21	100.810	45° HORIZONTAL BEND
0+011.8	103.16	100.760	45° HORIZONTAL BEND
0+013.9	103.22	100.820	250mmØ VALVE & CHAMBER @ PL
0+020.0	103.34	100.940	TOP OF PIPE
0+020.0	103.34	100.940	250mmØ WATER VALVE
0+041.1	103.71	101.310	250mmØ x 200mmØ TEE
0+042.6	103.70	101.300	150mmØ FIRE HYDRANT TEE
0+045.2	103.69	101.290	250mmØ x 200mmØ TEE
0+047.9	103.68	101.880	45° VERTICAL BEND. DEFLECT WTR OVER SAN AS PER W25.2 AND W22.
0+052.7	103.67	101.680	45° VERTICAL BEND. DEFLECT WTR OVER STM AS PER W25.2 AND W22.
0+060.0	103.72	101.320	TOP OF PIPE
0+074.2	103.84	101.440	250mmØ WATER VALVE
0+076.1	103.85	101.450	150mmØ FIRE HYDRANT TEE
0+080.2	103.92	101.520	250mmØ x 250mmØ TEE

250mmØ WATERMAIN 'D'

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	105.84	103.440	250mmØ x 250mmØ TEE
0+002.9	105.83	104.070	45° VERTICAL BEND. DEFLECT WTR OVER SAN -STM AS PER W25.2 AND W22.
0+020.0	105.83	103.430	TOP OF PIPE
0+036.0	105.95	103.550	250mmØ x 250mmØ TEE

200mmØ WATERMAIN 'E'

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	103.71	101.310	250mmØ x 200mmØ TEE
0+010.8	103.80	101.400	200mmØ WATER VALVE
0+020.0	103.82	101.420	TOP OF PIPE
0+035.1	103.94	101.540	200mmØ CAP AND THRUST BLOCK

200mmØ - 250mmØ WATERMAIN 'B'

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	104.57	102.170	200mmØ CAP AND THRUST BLOCK
0+020.0	103.83	101.430	200mmØ WATER VALVE
0+022.0	103.85	101.450	250mmØ x 200mmØ REDUCER VALVE
0+027.8	103.87	101.790	45° VERTICAL BEND. DEFLECT WTR OVER STM AS PER W25.2 AND W22.
0+029.3	103.90	101.790	45° VERTICAL BEND. DEFLECT WTR OVER SAN AS PER W25.2 AND W22.
0+032.3	103.92	101.520	250mmØ x 250mmØ TEE
0+040.0	103.94	101.540	TOP OF PIPE
0+060.0	104.33	101.930	TOP OF PIPE
0+080.0	104.60	102.200	TOP OF PIPE
0+096.6	104.76	102.360	250mmØ WATER VALVE
0+101.0	104.81	102.410	150mmØ FIRE HYDRANT TEE
0+120.0	105.02	102.620	TOP OF PIPE
0+140.0	105.26	102.860	TOP OF PIPE
0+147.9	105.38	102.980	250mmØ x 200mmØ TEE
0+152.2	105.38	103.620	45° VERTICAL BEND. DEFLECT WTR OVER SAN-STM AS PER W25.2 AND W22.
0+160.0	105.54	103.140	TOP OF PIPE
0+172.1	105.70	103.300	250mmØ WATER VALVE
0+179.9	105.78	103.380	150mmØ FIRE HYDRANT TEE
0+183.1	105.80	103.400	250mmØ x 200mmØ TEE
0+200.0	105.81	103.410	TOP OF PIPE
0+220.0	105.82	103.420	TOP OF PIPE
0+241.53	105.81	103.410	150mmØ FIRE HYDRANT TEE
0+247.6	105.88	103.480	250mmØ WATER VALVE
0+253.1	105.05	102.650	250mmØ x 250mmØ TEE
0+257.1	105.99	103.590	250mmØ x 200mmØ REDUCER VALVE
0+259.1	106.00	103.600	200mmØ WATER VALVE

200mmØ WATERMAIN 'G'

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	104.75	102.350	200mmØ CAP AND THRUST BLOCK
0+020.0	105.41	103.010	TOP OF PIPE
0+040.0	105.47	103.070	TOP OF PIPE
0+060.0	105.49	103.090	200mmØ WATER VALVE
0+063.0	105.38	102.980	250mmØ x 200mmØ TEE

0+280.0	105.99	103.590	TOP OF PIPE
0+281.0	106.01	103.610	200mmØ CAP AND THRUST BLOCK

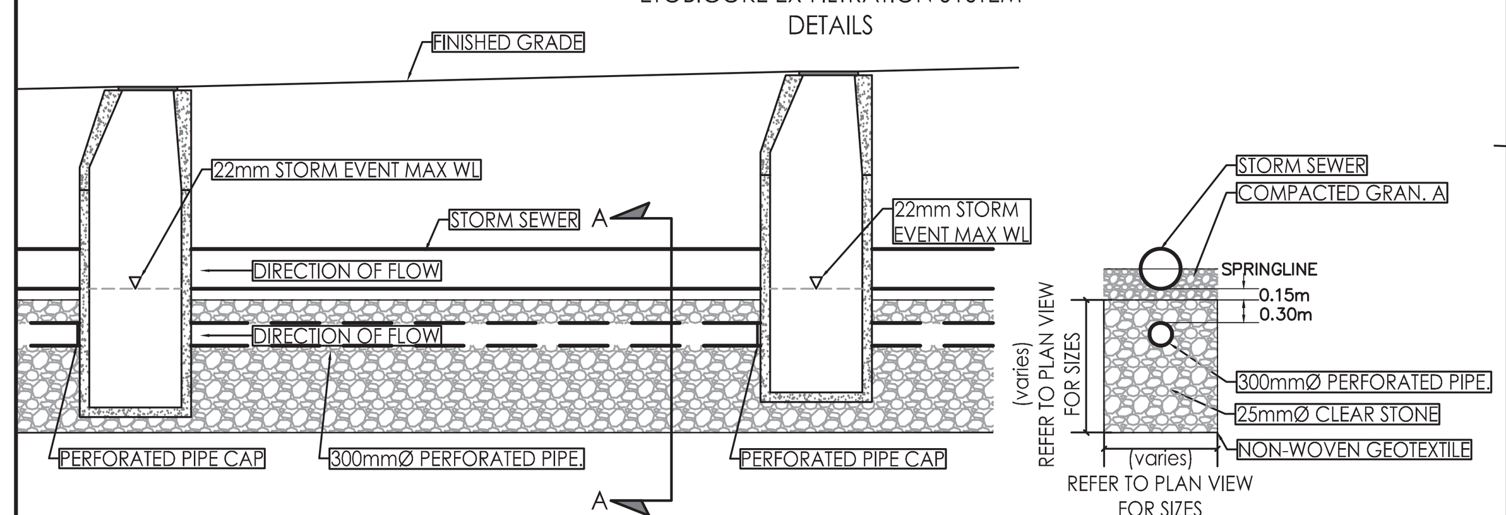
200mmØ - 250mmØ WATERMAIN 'C'

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	106.20	103.800	CONNECT INTO EX. 200mmØ W/M STUB
0+002.3	106.23	103.830	45° HORIZONTAL BEND
0+004.3	105.98	103.580	250mmØ x 200mmØ REDUCER VALVE
0+011.1	106.33	103.930	TOP OF PIPE
0+020.9	106.23	103.830	45° HORIZONTAL BEND
0+030.9	106.14	103.740	45° HORIZONTAL BEND
0+040.0	105.87	103.470	TOP OF PIPE
0+041.1	105.90	103.500	250mmØ WATER VALVE
0+054.1	106.00	103.600	150mmØ FIRE HYDRANT TEE
0+058.4	105.84	103.440	250mmØ x 250mmØ TEE
0+060.0	105.80	103.400	TOP OF PIPE
0+061.4	105.76	103.360	250mmØ x 200mmØ REDUCER VALVE
0+080.0	105.72	103.320	TOP OF PIPE
0+100.0	105.72	103.320	TOP OF PIPE
0+120.0	105.72	103.320	200mmØ WATER VALVE
0+126.9	105.72	103.320	45° HORIZONTAL BEND
0+128.8	105.86	103.460	45° HORIZONTAL BEND
0+140.0	105.67	103.270	TOP OF PIPE
0+160.0	105.73	103.330	200mmØ WATER VALVE
0+164.0	105.80	103.400	200mmØ x 200mmØ TEE

200mmØ WATERMAIN 'F'

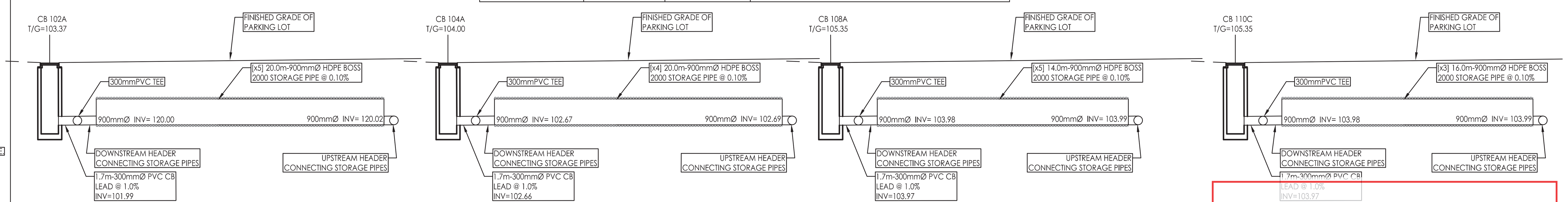
STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	103.69	101.290	250mmØ x 200mmØ TEE
0+004.2	103.66	101.260	200mmØ WATER VALVE
0+020.0	103.87	101.470	TOP OF PIPE
0+040.0	104.31	101.910	TOP OF PIPE
0+060.0	104.40	102.000	TOP OF PIPE
0+062.0	104.41	102.010	200mmØ CAP AND THRUST BLOCK

ETOBICOKE EX-FILTRATION SYSTEM DETAILS



PROFILE VIEW
SCALE 1:100

SECTION A-A
SCALE 1:50



900mmØ BOSS 2000 STORAGE PIPE DETAIL
SECTION A-A

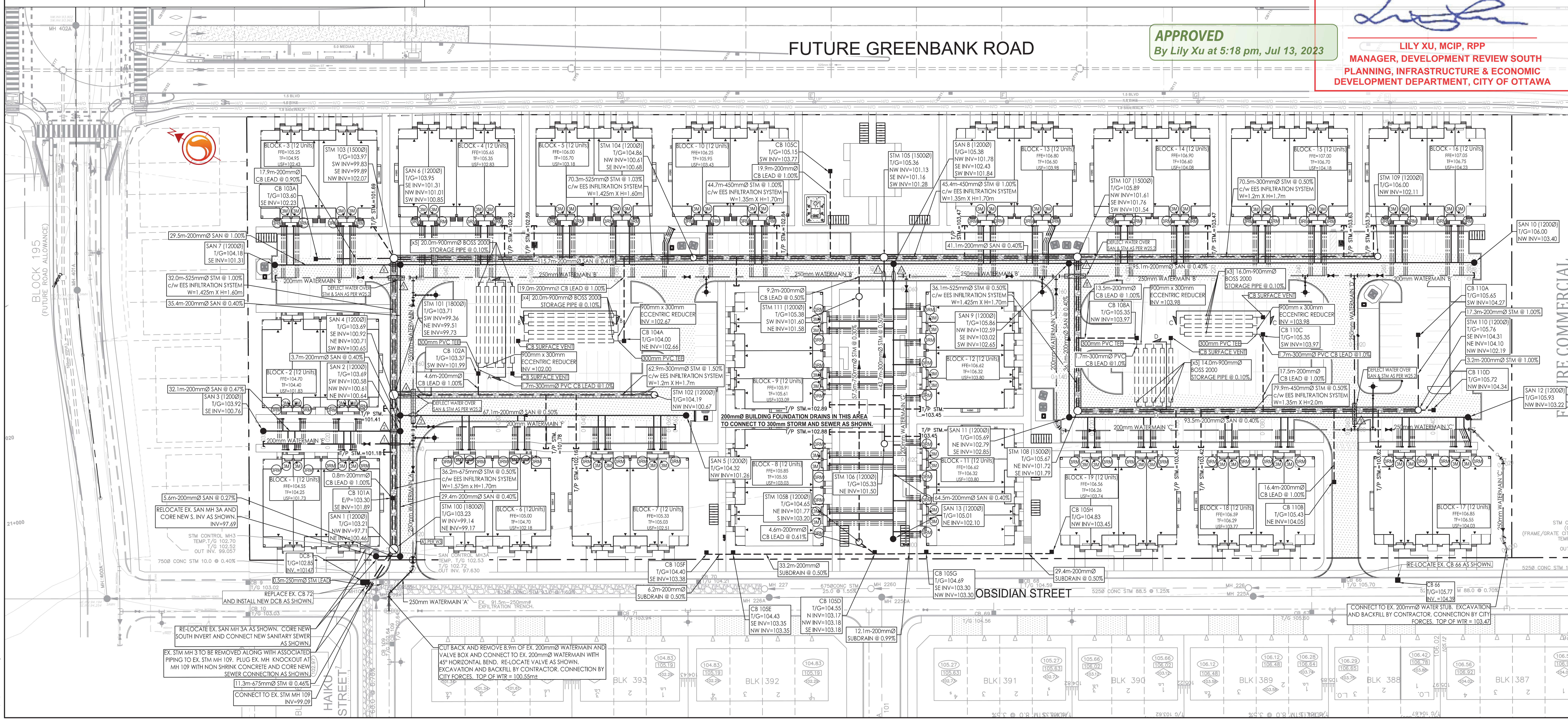
900mmØ BOSS 2000 STORAGE PIPE DETAIL
SECTION B-B

900mmØ BOSS 2000 STORAGE PIPE DETAIL
SECTION C-C

900mmØ BOSS 2000 STORAGE PIPE DETAIL
SECTION D-D

APPROVED
By Lily Xu at 5:18 pm, Jul 13, 2023

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA



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Ottawa ON
Tel. 613.722.4420
www.stantec.com

Legend

- PROPOSED WATERMAIN
- PROPOSED VALVE AND VALVE BOX
- PROPOSED VALVE CHAMBER
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED STORM SEWER c/w ETOBICOKE EX-FILTRATION SYSTEM
- PROPOSED CATCHBASIN
- EX/FUT. WATERMAIN
- EXISTING/FUTURE VALVE AND VALVE BOX
- EXISTING/FUTURE VALVE CHAMBER
- EXISTING/FUTURE REDUCER
- EXISTING/FUTURE FIRE HYDRANT
- EXISTING/FUTURE SANITARY SEWER
- EXISTING/FUTURE STORM SEWER
- EXISTING/FUTURE CATCHBASIN MANHOLE
- EXISTING/FUTURE CATCHBASIN
- DC PROPOSED DEPRESSED CURB LOCATIONS
- PROPOSED BARRIER CURB
- 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.
- (3M) NUMBER OF WATER METERS
- (1RM) NUMBER OF REMOTE WATER METER
- CMB PROPOSED COMMUNITY MAILBOX LOCATIONS

BACK TO BACK TERRACE HOME SERVICES
200mm STORM SERVICE PVC SDR 28 @ 1% MIN
150mm SANITARY SERVICE PVC SDR 28 @ 1% MIN
19mm PEX TUBING WATER SERVICE C/W CURB STOP AND SERVICE POST

Notes

1. MAINTENANCE HOLES LOCATED IN PONDING AREAS SHALL HAVE WATER TIGHT FRAME AND COVERS AS PER CITY STANDARD S24, S24.1 AND S25.

		By	Appd.	YY.MM.DD
5	ISSUED FOR 3RD SUBMISSION	AJ	SG	23.06.01
4	REVISED SITE PLAN	AJ	SG	23.05.19
3	REVISED AS PER CITY COMMENTS	AJ	SG	23.04.26
2	REVISED AS PER CITY COMMENTS	AJ	SG	23.03.31
1	ISSUED FOR 1ST SUBMISSION	AJ	SG	22.12.07
0	FOR REVIEW	AJ	SG	21.11.23

Revision

File Name: 160401657 DB | MJS (Dwn.) | SG (Chkd.) | MJS (Dsgn.) | 21.06.29 (YY.MM.DD)

Permit-Seal

LICENSED PROFESSIONAL ENGINEER — D. C. THIFFAULT 100186107 — 2023-06-14 — PROVINCE OF ONTARIO

Client/Project
Mattamy Homes

HMB PHASE 8

OTTAWA, ON

Title
SITE SERVICING PLAN

Project No. 160401657 | Scale 1:500 (0 5 15 25m)

Drawing No. SSP-1 | Sheet 3 of 8 | Revision 5

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2023/06/14 11:13 AM By: Thiffault, Dustin

ORIGINAL SHEET - ARCH D