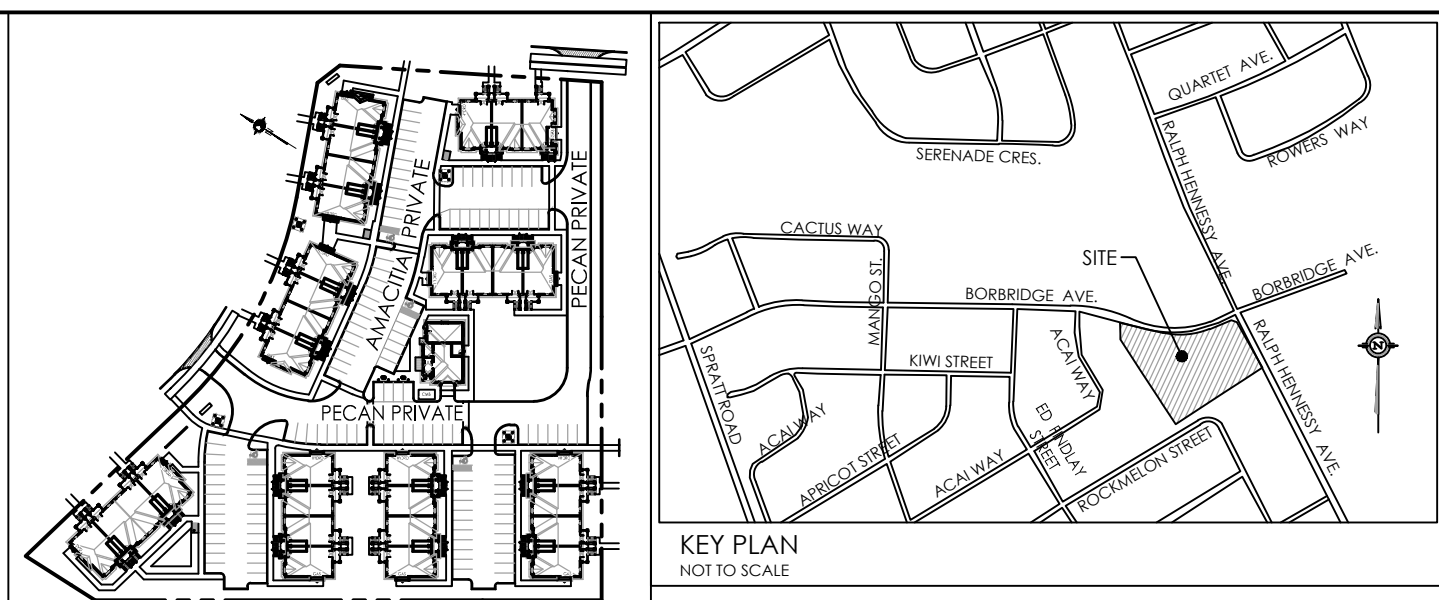
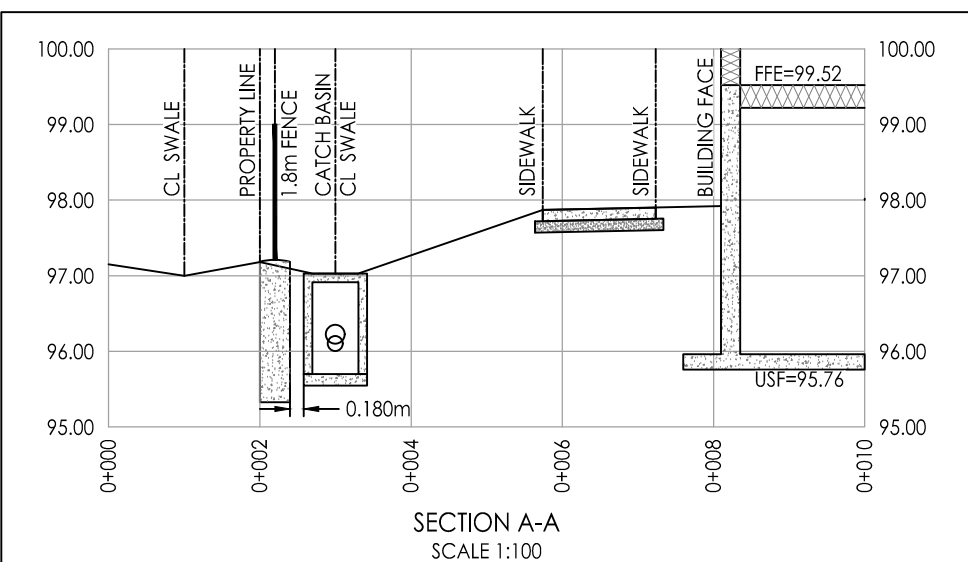
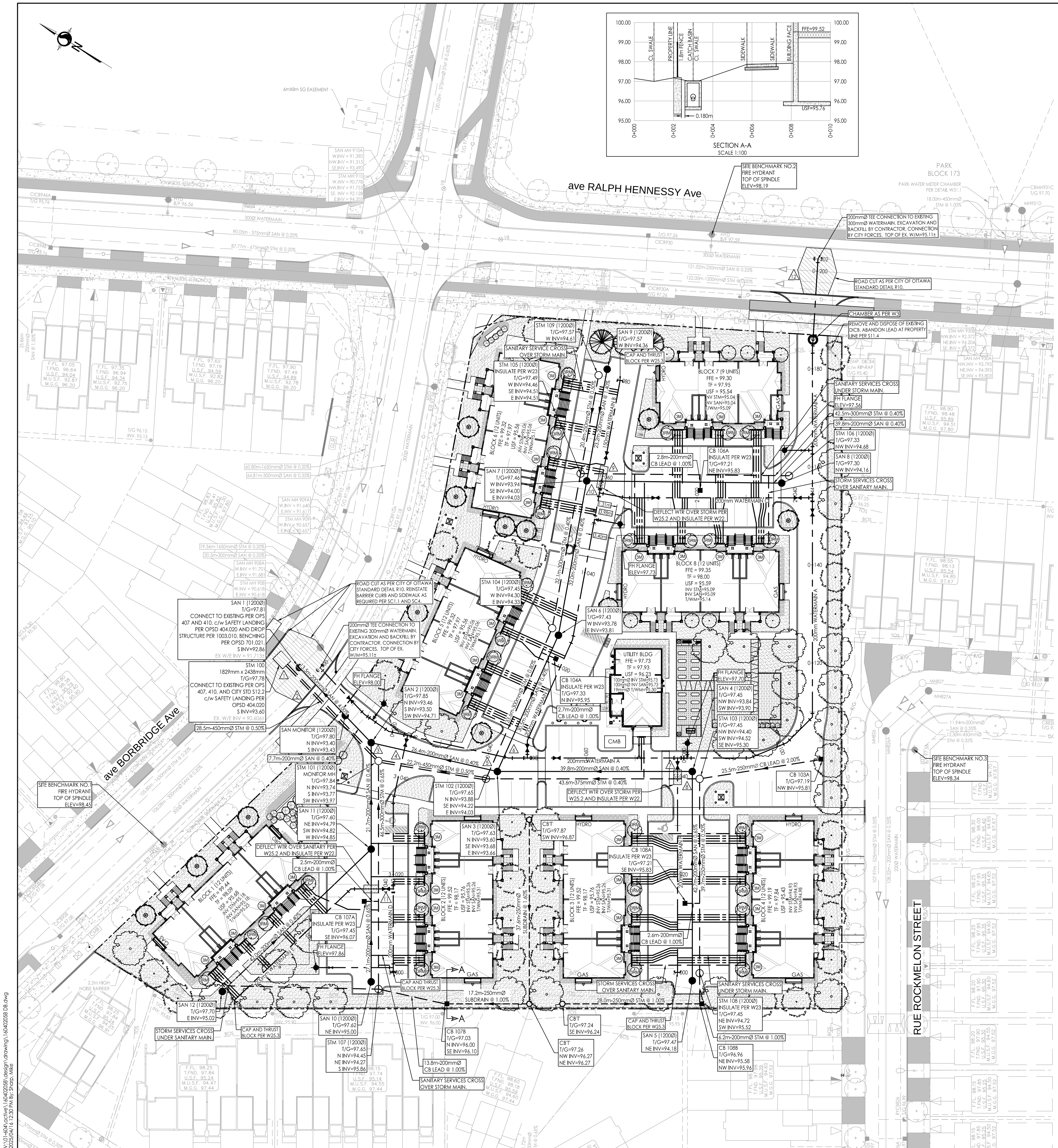




200mmØ WATERMAIN TABLE A				
STATION	FINISHED GRADE	TOP W/M	ITEM	
0+000	97.67	95.274	200mmØ TEE CONNECTION TO EX. 300mmØ PVC WATERMAIN	
0+008.9	97.70	95.300	200mmØ VALVE AND VALVE BOX	
0+013.1	97.75	95.350	11.1° HORIZONTAL BEND	
0+015.1	97.77	95.370	22.1° HORIZONTAL BEND	
0+019.1	97.77	95.370	22.1° HORIZONTAL BEND	
0+023.1	97.72	95.320	200mmØ x 200mmØ TEE	
0+044.2	97.40	95.200	11.1° HORIZONTAL BEND	
0+048	97.59	95.190	200mmØ x 200mmØ TEE	
0+054	97.58	95.180	200mmØ VALVE AND VALVE BOX	
0+078	97.45	95.050	200mmØ x 200mmØ TEE	
0+080.7	97.43	95.030	150mmØ FIRE HYDRANT TEE	
0+093.4	97.34	94.940	22.5° HORIZONTAL BEND	
0+101.6	97.28	94.880	22.5° HORIZONTAL BEND	
0+108.9	97.29	94.890	45° HORIZONTAL BEND	
0+120	97.38	94.980	TOP OF PIPE	
0+140	97.55	95.150	TOP OF PIPE	
0+150.7	97.41	95.010	200mmØ VALVE AND VALVE BOX	
0+153.7	97.38	94.980	200mmØ x 200mmØ TEE	
0+160	97.36	94.960	TOP OF PIPE	
0+163.4	97.39	94.990	150mmØ FIRE HYDRANT TEE	
0+180	97.55	95.150	TOP OF PIPE	
0+183.9	97.52	95.120	9° HORIZONTAL BEND	
0+186.2	97.51	95.110	VALVE AND CHAMBER PER W3	
0+202.5	97.51	95.114	200mmØ TEE CONNECTION TO EX. 300mmØ PVC WATERMAIN	

200mmØ / 150mmØ WATERMAIN TABLE B				
STATION	FINISHED GRADE	TOP W/M	ITEM	
1+000	97.60	95.200	200mmØ x 200mmØ TEE	
1+002	97.56	95.160	200mmØ VALVE AND VALVE BOX	
1+003.6	97.54	95.140	22.1° HORIZONTAL BEND	
1+000	97.56	94.960	TOP OF PIPE	
1+026.1	97.44	95.040	11.1° HORIZONTAL BEND	
1+040	97.46	95.260	TOP OF PIPE	
1+051.1	97.58	95.180	150mmØ FIRE HYDRANT TEE	
1+056.4	97.49	95.090	200mmØ x 200mmØ TEE	
1+059.4	97.44	95.530	200mmØ x 150mmØ REDUCER	
1+064.4	97.42	95.020	150mmØ VALVE AND VALVE BOX	
1+079.9	97.51	95.110	150mmØ CAP AND THRUST BLOCK	

200mmØ WATERMAIN TABLE C				
STATION	FINISHED GRADE	TOP W/M	ITEM	
2+000	97.49	95.090	200mmØ x 200mmØ TEE	
2+005.5	97.47	95.070	11.1° HORIZONTAL BEND	
2+011.5	97.37	94.970	200mmØ VALVE AND VALVE BOX	
2+020	97.26	94.860	TOP OF PIPE	
2+040.5	97.35	94.950	200mmØ VALVE AND VALVE BOX	
2+043.5	97.38	94.980	200mmØ x 200mmØ TEE	

200mmØ WATERMAIN TABLE D				
STATION	FINISHED GRADE	TOP W/M	ITEM	
3+000	97.42	95.220	200mmØ CAP AND THRUST BLOCK	
3+001	97.61	95.210	150mmØ FIRE HYDRANT TEE	
3+017	97.63	95.230	200mmØ x 200mmØ TEE	
3+035.2	97.78	95.380	11.1° HORIZONTAL BEND	
3+047.2	97.73	95.330	200mmØ VALVE AND BOX	
3+048.7	97.72	95.320	200mmØ x 200mmØ TEE	

200mmØ WATERMAIN TABLE E				
STATION	FINISHED GRADE	TOP W/M	ITEM	
4+000	97.45	95.050	200mmØ CAP AND THRUST BLOCK	
4+020	97.80	95.400	TOP OF PIPE	
4+032.9	97.52	95.120	45° HORIZONTAL BEND	
4+040.1	97.58	95.180	200mmØ VALVE AND BOX	
4+041.6	97.63	95.230	200mmØ x 200mmØ TEE	

200mmØ WATERMAIN TABLE F				
STATION	FINISHED GRADE	TOP W/M	ITEM	
5+000	97.52	95.120	200mmØ CAP AND THRUST BLOCK	
5+020	97.43	95.030	TOP OF PIPE	
5+042.3	97.46	95.060	200mmØ VALVE AND VALVE BOX	
5+043.8	97.44	95.040	200mmØ x 200mmØ TEE	

ICD TABLE							
CATCHBASIN ID	TRIBUTARY AREA ID	ICD TYPE	2YR FLOW (L/s)	2YR VOL REQUIRED (m³)	2YR VOL AVAILABLE (m³)	100YR FLOW (L/s)	100YR VOL AVAILABLE (m³)
CB 103A	L103A	140 mm ORRICE	43.4	0.0	50.2	52.4	47.6
CB 104A	L104A	102 mm ORRICE	23.9	0.2	37.8	26.0	26.6
CB 106A	L106A	140 mm ORRICE	45.2	0.0	60.5	52.8	47.1
CB 107A	L107A	108 mm ORRICE	26.5	0.0	40.8	29.5	28.5
CB 107B	L107B	102 mm ORRICE	15.0	0.0	19.8	22.0	13.0
CB 108A	L108A	102 mm ORRICE	23.0	0.0	39.8	26.4	22.9
CB 108B	L108B	102 mm ORRICE	3.5	0.0	0.0	7.4	0.0

SEWER AND WATER CROSSING TABLE							
CROSSING	STM INV	STM OBV	SAN INV	SAN OBV	WTR TOP	WTR BTM	COMMENTS
▲	93.61(93.53)	94.06(94.14)	91.72	92.02			STORM CROSSING SANITARY
▲	93.63(93.55)	94.08(94.16)	92.98	93.18	95.34±	95.04±	STORM AND SANITARY CROSSING WATERMAIN
▲	93.73(93.65)	94.18(94.26)	94.71	94.91			STORM CROSSING SANITARY
▲	93.79(93.71)	94.24(94.32)	93.52	93.72	95.34	95.14	STORM AND SANITARY CROSSING WATERMAIN
▲	94.04	94.34	93.40	93.80			STORM CROSSING SANITARY
▲	94.07	94.37	93.67	93.87	95.20	95.00	STORM AND SANITARY CROSSING WATERMAIN
▲	94.43	94.81	93.83	94.03	95.51	95.31	STORM AND SANITARY CROSSING WATERMAIN
▲	94.44	94.82	93.91	94.11			STORM CROSSING SANITARY
▲	94.52	94.82	94.05	94.25			STORM CROSSING SANITARY
▲	94.53	94.83	94.01	94.21	95.53	95.33	STORM AND SANITARY CROSSING WATERMAIN
▲	94.27	94.52	94.88	95.08	95.78	95.58	STORM AND SANITARY CROSSING WATERMAIN
▲	92.30(92.15)	93.50(93.65)	93.69	93.94	95.06	94.86	WATERMAIN CROSSING STORM AND SANITARY

* BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS

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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 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
- PROPOSED DEPRESSURE CURB LOCATIONS
- PROPOSED BARRIER CURB
- THEMAL 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 LOCATION AND NUMBER OF METERS
- REMOVE WATER METER LOCATION AND NUMBER OF METERS
- HOSE BIB
- PROPOSED 2H RATED FIRE WALL LOCATION
- 150mmØ SANITARY SEWER PVC SDR 28 @ 1% MIN
- 3 x 19mmØ PEK WATER SERVICE C/W CURB STOP AND SERVICE POST PER STACK UNLESS OTHERWISE SHOWN
- 200mmØ STORM SERVICE PVC SDR 28 @ 1% MIN

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, WATERMANS 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. EXISTING SEWER INFORMATION PROVIDED FROM ENGINEERING DESIGN DRAWINGS PREPARED BY IBI. PLAN AND PROFILE DRAWINGS 100, 101, AND 102 REVISION 6, PROJECT No 125891
- EXISTING SEWERS AND SERVICE CONNECTIONS IN THE AREA OF NEW SEWER CONNECTIONS TO BORBRIDGE AVENUE MUST BE DAYLIGHTED PRIOR TO THE INSTALLATION OF THE SEWERS TO CONFIRM NO CONFLICTS WITH EXISTING INFRASTRUCTURE.

2	REVISED PER CITY COMMENTS/HOI DESIGN	MJS	DT	25.04.16
1	REVISED PER CITY COMMENTS	MJS	DT	25.02.23
0	ISSUED FOR SPA	MJS	DT	24.11.11
Revision				
By	Appd.	YY.MM.DD		
File Name: 160402058 DB.dwg	MJS	DT	MJS	24.10.16
	Down.	Chkd.	Dsgn.	YY.MM.DD

Client/Project

RICH CRAFT HOMES

RIVERSIDE SOUTH BLOCK 167
955 BORBRIDGE AVENUE
OTTAWA, ON

Title

SITE SERVICING PLAN

Project No.
160402058

Drawing No.

Scale
1:400

Sheet

Revision
2

Revision

SSP-1

3 of 7

2

PLAN #19197

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