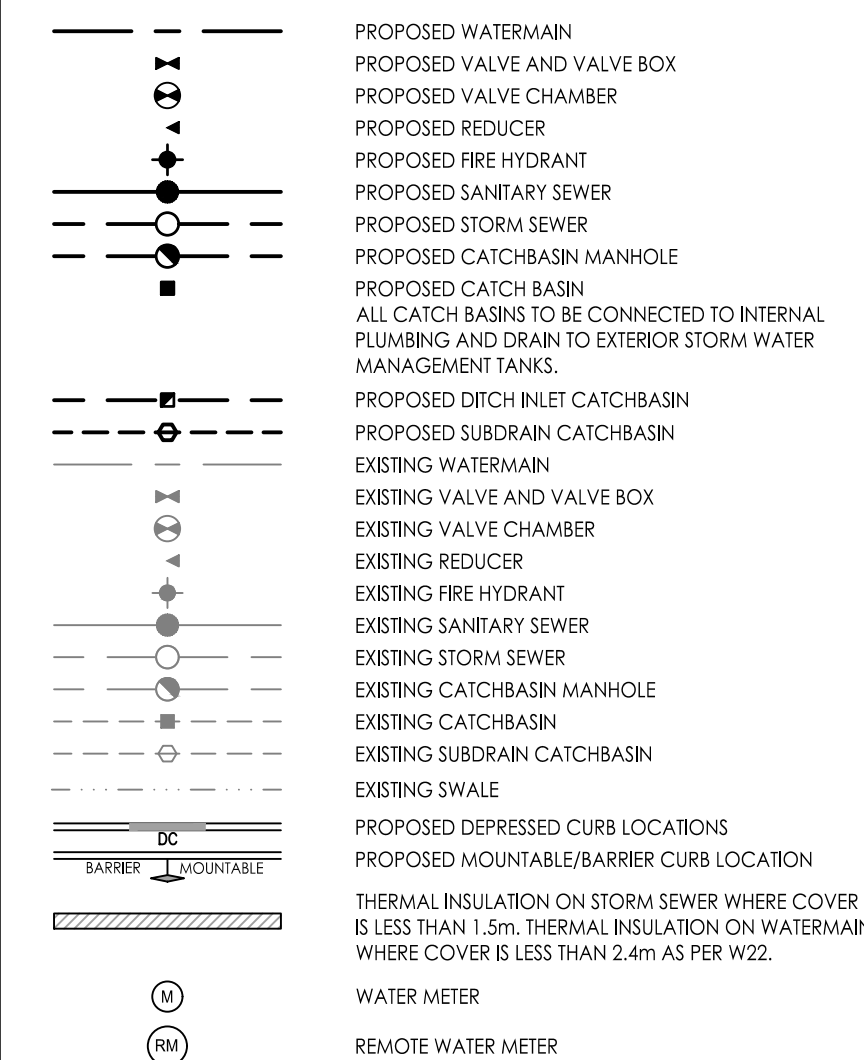


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Legend



NOTES:

- UNDERGROUND PARKING RAMP TRENCH DRAINS TO BE CONVEYED THROUGH BUILDING AND OUTLET INTO EXTERNAL UNDERGROUND STORM WATER MANAGEMENT STORAGE TANKS.
- ALL SURFACE CATCH BASINS INSTALLED ON TOP OF UNDERGROUND PARKING STRUCTURE TO BE CONVEYED THROUGH BUILDING AND OUTLET INTO EXTERNAL UNDERGROUND STORM WATER MANAGEMENT STORAGE TANKS.
- PROPOSED FIRE HYDRANT TO BE SERVICED THROUGH BUILDINGS INTERNAL PLUMBING.
- ALL CATCHBASINS AND FIRE HYDRANTS INSTALLED ON TOP OF PARKING GARAGE STRUCTURE ARE TO BE INSTALLED BY OTHERS.
- INTERNAL GARAGE DRAINS TO BE CONNECTED TO THE SANITARY SEWER.
- AT THE COMPLETION OF CONSTRUCTION A WATER SYSTEM PRESSURE CHECK IS REQUIRED TO BE COMPLETED TO DETERMINE IF PRESSURE CONTROL DEVICES ARE REQUIRED.

Revision	By	Appd.	Y/M/MD
6	ISSUED FOR SPA AMENDMENT	MJS	DT 22.12.22
5	REVISED AS PER CITY COMMENTS	MJS	DT 22.07.14
4	REVISED AS PER CITY COMMENTS	MJS	DT 22.03.29
3	REVISED AS PER CITY COMMENTS	MJS	TR 21.09.02
2	ISSUED FOR GEOTECH REVIEW	MJS	DT 21.08.03
1	ISSUED TO CITY FOR SPA	MJS	DT 20.05.22

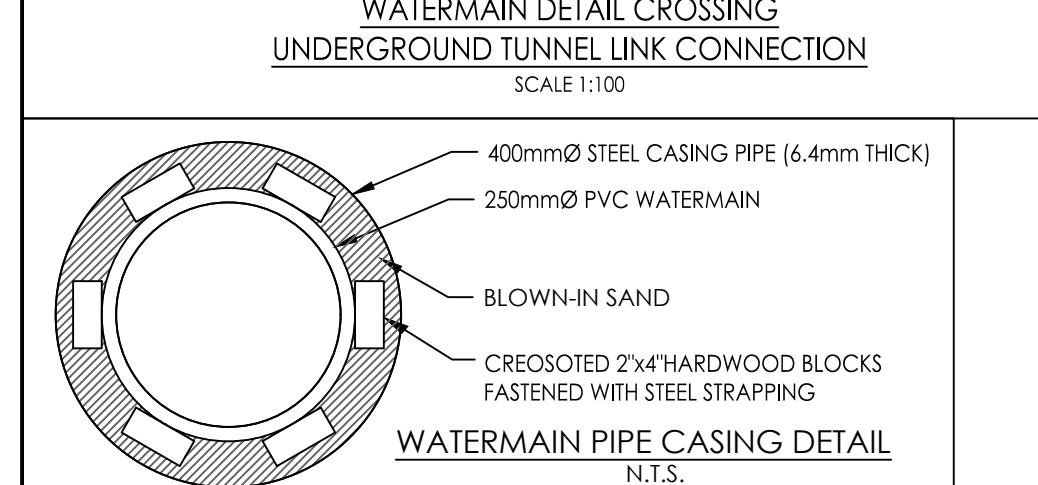
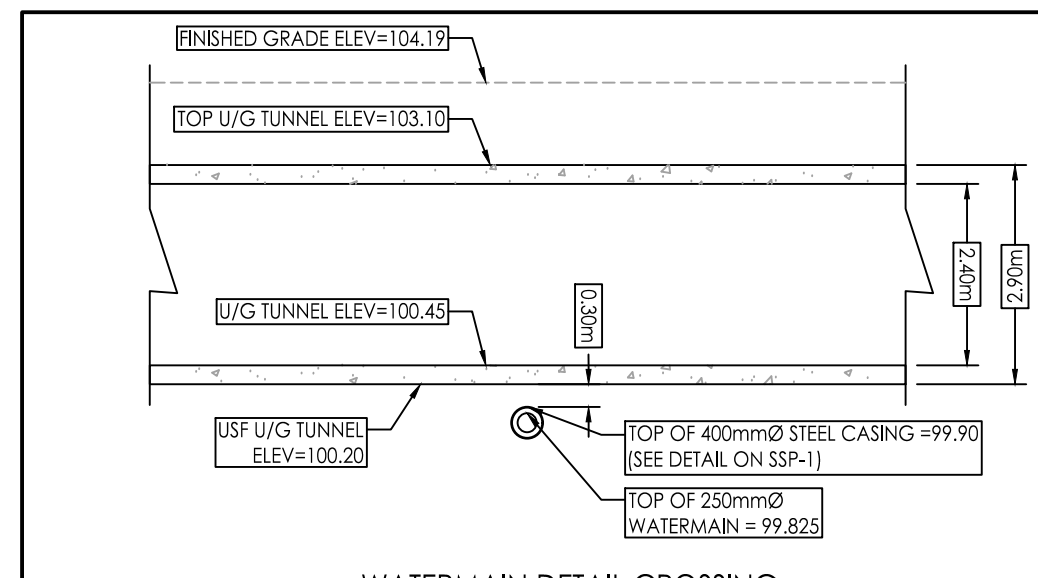
Revision	By	Appd.	Y/M/MD
File Name:	16401511-08	MJS	DT MJS 19.09.05
		Dwn.	Chkd. Dgn. Y/M/MD

Permit-Seal

Client/Project
NAUTICAL LANDS GROUP
2962 Carp Road
WELLINGS OF STITTSVILLE PH 2
20 CEDAROW COURT
OTTAWA, ON

Title
SITE SERVICING PLAN

Project No.	Scale	
16401511	1:500	
Drawing No.	Sheet	Revision
SSP-1	3 of 7	6



250mm Ø WATERMAIN DEFLECTION UNDER U/G TUNNEL

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	104.68	101.48	CONNECT TO EX. 250mmØ WATERMAIN WITH 45° VERTICAL BEND
0+00.02	104.66	99.825	45° VERTICAL BEND
0+00.75	104.66	99.825	START OF 400mmØ STEEL SLEEVE
0+00.25	104.60	99.825	END OF 400mmØ STEEL SLEEVE
0+01.0	104.60	99.825	45° VERTICAL BEND
0+01.2	103.55	101.55	CONNECT TO EX. 250mmØ WATERMAIN WITH 45° VERTICAL BEND

100mm Ø WATERMAIN A

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	104.47	101.48	CONNECT TO EX. VALVE CHAMBER (300mmØ W/M) AND REDUCE TO 200mmØ
0+02	104.44	102.540	22° HORIZONTAL BEND
0+00.8	104.37	101.970	22° HORIZONTAL BEND
0+02	104.44	102.540	TOP OF PIPE
0+040	104.43	102.550	TOP OF PIPE
0+040	104.30	101.800	TOP OF PIPE
0+080	104.64	101.440	TOP OF PIPE
0+100	104.44	102.560	TOP OF PIPE
0+120	104.42	102.500	TOP OF PIPE
0+132	104.56	101.840	200mmØ VALVE AND VALVE BOX
0+139.4	104.58	101.840	45° VERTICAL BEND. CROSSING AS PER W3.2 INSULATE PER W3.2
0+140.1	104.58	102.330	45° VERTICAL BEND. CROSSING AS PER W3.2 INSULATE PER W3.2
0+141.6	104.58	102.330	45° VERTICAL BEND. CROSSING AS PER W3.2 INSULATE PER W3.2
0+142.4	104.58	101.800	45° VERTICAL BEND. CROSSING AS PER W3.2 INSULATE PER W3.2
0+144	104.31	101.810	TEE CONNECTION TO EXISTING 250mmØ WATERMAIN

SEWER AND WATERMAIN CROSSING TABLE

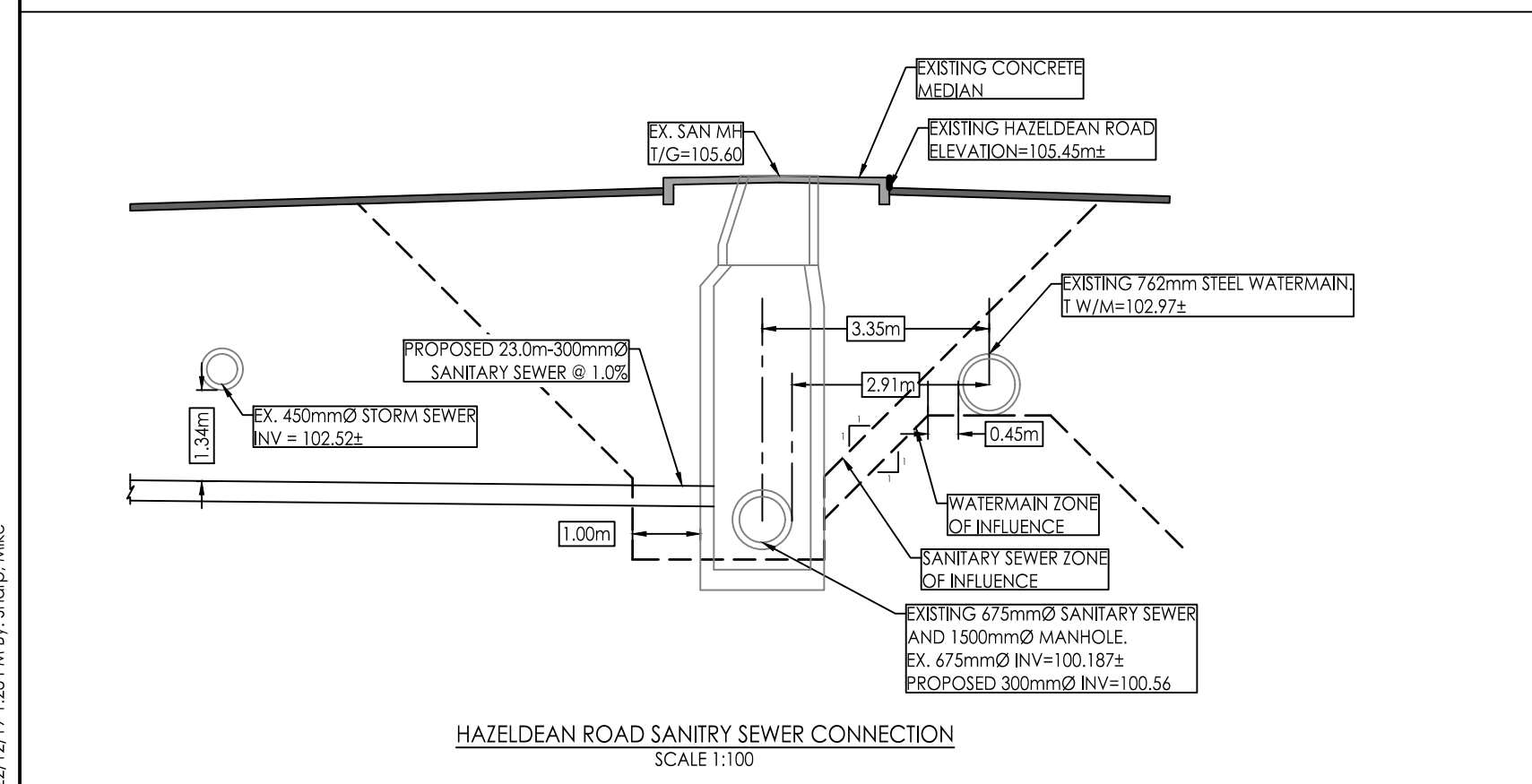
CROSSING ID	STM INV	STM OBV	WTR TOP	WTR BTM
1	101.45	101.83	102.53	102.33
2	102.61 (102.53)	103.04 (103.14)	102.06	101.84
3	100.89	101.14	101.95	101.75
4	102.90	103.10	102.02	101.82
5	102.80	103.00	102.04	101.84

CITY OF OTTAWA GROSS FLOOR AREAS & AMENITY AREAS (2&3)

Level	Area	City GFA	Amenity Area	Communal Amenity Area	Commercial
LEVEL 01	1801.58 m²	1801.58 m²	0.00 m²	0.00 m²	0.00 m²
LEVEL 01	160.24 m²	0.00 m²	160.24 m²	0.00 m²	0.00 m²
LEVEL 01	3182.96 m²	0.00 m²	0.00 m²	3182.96 m²	0.00 m²
LEVEL 01	950.85 m²	0.00 m²	0.00 m²	0.00 m²	950.85 m²
LEVEL 02	3640.94 m²	3640.94 m²	0.00 m²	0.00 m²	0.00 m²
LEVEL 02	315.00 m²	0.00 m²	315.00 m²	0.00 m²	0.00 m²
LEVEL 02	124.77 m²	0.00 m²	0.00 m²	124.77 m²	0.00 m²
LEVEL 03	3875.75 m²	3875.75 m²	0.00 m²	0.00 m²	0.00 m²
LEVEL 03	373.83 m²	0.00 m²	373.83 m²	0.00 m²	0.00 m²
LEVEL 04	3812.63 m²	3812.63 m²	0.00 m²	0.00 m²	0.00 m²
LEVEL 04	375.40 m²	0.00 m²	375.40 m²	0.00 m²	0.00 m²
LEVEL 05	3518.63 m²	3518.63 m²	0.00 m²	0.00 m²	0.00 m²
LEVEL 05	558.52 m²	0.00 m²	558.52 m²	0.00 m²	0.00 m²
LEVEL 06	3526.92 m²	3526.92 m²	0.00 m²	0.00 m²	0.00 m²
LEVEL 06	460.12 m²	0.00 m²	460.12 m²	0.00 m²	0.00 m²
Grand total	26678.13 m²	20176.45 m²	2243.10 m²	3307.73 m²	950.85 m²

UNIT TYPES AND BARRIER FREE UNITS

	LEVEL 1		LEVEL 2		LEVEL 3		LEVEL 4		LEVEL 5		LEVEL 6	
	TOTAL UNITS	BARRIER FREE UNITS	TOTAL UNITS	BARRIER FREE UNITS	TOTAL UNITS	BARRIER FREE UNITS	TOTAL UNITS	BARRIER FREE UNITS	TOTAL UNITS	BARRIER FREE UNITS	TOTAL UNITS	BARRIER FREE UNITS
STUDIO	0	0	6	2	9	2	9	2	5	2	5	2
1 BED	22	0	39	6	41	7	43	9	45	7	45	7
1 BED + DEN	2	1	3	1	3	1	3	0	3	0	3	0
2 BED	4	2	10	2	10	2	8	2	8	2	8	1
2 BED + DEN	0	0	2	1	2	1	2	2	0	0	2	0
TOTALS	28	3	60	12	65	13	65	14	63	11	63	10



Proposed ICD Schedule

Area ID	Orifice Name	ICD Invert	ICD Type	100yr Head (m)	100yr Flow (L/s)
L102A	CB102A-1	102.70	IPEX TEMPEST HF (95mm ORIFICE)	1.35	20.9
L103A	CB103A-1	103.07	IPEX TEMPEST HF (152mm ORIFICE)	1.39	52.6
L103B	CB103B-1	102.42	IPEX TEMPEST HF (83mm ORIFICE)	1.17	14.8
L103C	CB103C-1	102.70	IPEX TEMPEST HF (83mm ORIFICE)	1.40	16.2
L103D	CB103D-1	102.62	IPEX TEMPEST HF (152mm ORIFICE)	1.36	53.7
L103E	CB103E-1	102.43	IPEX TEMPEST HF (127mm ORIFICE)	1.32	36.9
L104A/B	CBM104A	102.61	IPEX TEMPEST HF (83mm ORIFICE)	1.25	15.3
L106A	CB106A-1	101.97	IPEX TEMPEST HF (83mm ORIFICE)	1.25	15.3
ADS TANK	100-O1	101.37	IPEX TEMPEST HF (83mm ORIFICE)	1.73	17.8
ADS TANK	100-O2	102.30	200mm Ø CIRCULAR ORIFICE	0.93	71.1

*NOTE: HEAD VALUES HAVE BEEN ADJUSTED DUE TO IMPACTS BY DOWNSTREAM ADS STORAGE UNIT HGL

Schedule of Roof Release Rates

Roof	Number of Drains	Drain Type	100yr Head (m)	100yr Flow (L/s)	100yr Storage (m3)
ROOF1	2	Watts Accutrol Weir (50% Open)	0.13	2.3	5.3
ROOF2	9	Watts Accutrol Weir (50% Open)	0.15	11.2	83.8
ROOF3	8	Watts Accutrol Weir (50% Open)	0.15	9.9	69.0
ROOF4	2	Watts Accutrol Weir (50% Open)	0.13	2.3	5.3

