

SANITARY MANHOLE TABLE				
MANHOLE ID	SIZE(mm)	T/G ELEV (m)	INVERT (m)	PIPE DIAMETER (mm)
3	1200	56.17	E=54.08 W=54.07	E=200 W=200
5	1200	56.73	E=54.37 W=54.39	E=200 W=200
7	1200	55.61	W=53.76 N=53.69 S=53.68	W=200 N=200 S=250
9	1200	56.15	NW=54.05 E=54.02	NW=200 E=200

STORM MANHOLE TABLE					
MANHOLE ID	SIZE(mm)	T/G ELEV (m)	INVERT (m)	PIPE DIAMETER (mm)	I.C.D.
4	1200	56.33	N=52.94 S=52.52	N=450 S=450	146mm
6	1200	56.20	W=54.57 S=53.30 E=53.44	W=200 S=450 E=450	-
8	1200	56.43	N=54.18 W=53.58 E=54.08	N=375 W=450 E=200	-
10	1200	56.88	N=54.48 W=53.48 E=54.08	N=300 E=300 W=250	-
12	1200	56.75	E=54.62 S=54.62 W=55.44	E=300 S=300 W=250	-
14	1200	56.76	W=54.71 E=55.52 S=55.40	W=300 E=250 S=250	-
CBMH1	1200	56.64	W=54.43 S=54.36 E=55.40	W=300 S=375 E=250	-

CATCHBASIN TABLE			
CB ID	T/G ELEVATION	INVERT	I.C.D.
CB1	56.26	54.86	-
CB2	56.06	54.66	-
CB3	56.07	54.67	-
CB4	56.06	54.66	-

REAR YARD CATCHBASIN TABLE			
RYCB No.	T/G ELEVATION	INVERT	I.C.D.
LC1	56.57	55.57	-
LC2	56.58	55.44	-
LC3	56.64	55.55	-
LC4	55.69	54.29	-
LC5	55.79	53.99	-
LC6	56.72	55.72	-
LC7	56.87	55.60	-
LC8	56.65	55.47	-
LC9	56.62	55.62	-
LC10	56.65	55.65	-
LC11	56.63	55.63	-
LC12	56.65	55.49	-
LC13	56.65	55.65	-
LC14	56.67	55.67	-
RY1	55.39	53.59	127mm
RY2	55.50	54.32	-
RY3	55.59	54.03	108mm
RY4	55.25	53.84	-
RY5	55.45	54.07	-
RY6	55.55	54.55	-
RY7	55.66	54.26	-

SEWER CROSSING TABLE		
LOCATION	ELEVATIONS	CLEARANCE
C1	SAN INV=53.96 WM OBV=53.72	0.24m
C2	WM INV=53.97 STM OBV=53.67	0.30m
C3	SAN INV=54.03 STM OBV=53.66	0.37m
C4	STM INV=54.67 SAN OBV=54.54	0.13m
C5	STM INV=55.65 SAN OBV=54.61	1.04m
C6	STM INV=54.19 SAN OBV=54.11	0.08m
C7	STM INV=55.09 SAN OBV=54.20	0.89m
C8	SAN INV=53.76 STM OBV=53.43	0.33m
C9	WM INV=53.73 STM OBV=53.43	0.30m
C10	SAN INV=53.69 WM OBV=53.22	0.47m
C11	WM INV=53.90 STM OBV=52.16	1.74m
C12	SAN INV=52.63 STM OBV=52.11	0.52m

WATERMAIN TABLE			
Station	PROPOSED GROUND ELEVATION	TOP OF WATERMAIN	DESCRIPTION
1+000.00	56.04	53.64	200 x 200 TEE
1+012.48	56.16	53.78	VB1
1+017.98	56.87	54.47	WTR SERVICE
1+018.98	56.88	54.48	WTR SERVICE
1+044.38	56.88	54.58	WTR SERVICE
1+062.37	56.91	54.60	WTR SERVICE
1+062.15	56.80	54.64	WTR SERVICE
1+080.96	56.74	54.34	H. BEND
1+083.79	56.70	54.30	H. BEND
1+139.23	56.34	54.40	WTR SERVICE
1+139.93	56.31	53.91	H. BEND
1+143.69	56.26	53.86	HYD1 TEE
1+145.93	56.19	53.79	H. BEND
1+148.49	56.20	53.80	VB2
1+171.34	56.38	54.34	WTR SERVICE
1+181.03	56.53	54.24	WTR SERVICE
1+182.23	56.53	54.13	HYD2 TEE
1+187.34	56.40	54.24	WTR SERVICE
1+206.23	56.24	53.84	WTR SERVICE
1+211.73	56.05	53.65	VB3
1+223.91	55.66	53.26	200 x 200 TEE

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.



No	REVISION	DATE	BY	No	REVISION	DATE	BY
15.	CONCEPT UPDATE	JUN 27/24	MAB	8.	CITY SUBMISSION	OCT 21/21	MAB
14.	MINOR UPDATES TO BLOCKS 1-4, 9	NOV 16/22	MAB	7.	CITY SUBMISSION	AUG 31/21	MAB
13.	USF LOWERED BLOCKS 1, 2, 3, 4 & 9	JUL 20/22	MAB	6.	CITY SUBMISSION	JUN 8/21	MAB
12.	SITE PLAN UPDATE	JUL 15/22	MAB	5.	CITY SUBMISSION	FEB 5/21	MAB
11.	ISSUED FOR ECA	MAR 24/22	MAB	4.	STORM OUTLET VIA 127 CARILLON	OCT 23/20	MAB
10.	ISSUED FOR BUILDING PERMIT	MAR 2/22	MAB	3.	SITE PLAN APPLICATION	AUG 24/20	MAB
9.	CITY SUBMISSION - PARK UPDATE	FEB 15/22	MAB	2.	RVCA APPROVAL IN PRINCIPAL APPLICATION	MAY 29/20	MAB
				1.	ISSUED FOR RVCA REVIEW	MAR 26/20	MAB

NOTES:
RIDEAU RIVER REGULATORY FLOOD LEVEL
(REDUCED FLOOD RISK) = 56.44
ALL BUILDINGS ARE SLAB-ON-GRADE

LEGEND	
	SANITARY MANHOLE, SEWER & FLOW DIRECTION
	STORM MANHOLE, SEWER & FLOW DIRECTION
	WATERMAIN AND DIAMETER
	VALVE & VALVE BOX
	BEND AND THRUST BLOCK
	HYDRANT CW VALVE & LEAD
	CAP
	ROAD CATCHBASIN
	LANDSCAPE TYPE CATCHBASIN
	REAR YARD CATCH BASIN
	SERVICE POST LOCATION

SCALE	
1:250	
FOR REVIEW ONLY	
DESIGN	DTD
CHECKED	LRW
DRAWN	DTD
CHECKED	LRW
APPROVED	MAB



CITY OF OTTAWA
DOMINION VILLAGE - 200 BARIBEAU STREET

SERVICING PLAN

PROJECT No.	119068
REV	REV #15
DRAWING No.	119068-GP

GENERAL NOTES:

- DIMENSIONS AND LAYOUT INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE ORIGINAL TOPOGRAPHY AND GROUND ELEVATIONS, SERVICING AND SURVEY INFORMATION SHOWN ON THIS PLAN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF ALL INFORMATION OBTAINED FROM THIS PLAN.
- CO-ORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- BEFORE COMMENCING CONSTRUCTION, PROVIDE PROOF OF COMPREHENSIVE ALL RISK AND OPERATIONAL LIABILITY INSURANCE INCLUDING BLASTING. INSURANCE POLICY TO NAME THE OWNER, ENGINEER AND THE CITY AS CO-INSURED.
- CONNECT TO EXISTING SYSTEMS AS DETAILED, INCLUDING ALL RESTORATION WORK NECESSARY TO REINSTATE SURFACES TO EXISTING CONDITIONS OR BETTER.
- DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS.
- OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS BEFORE COMMENCING CONSTRUCTION.
- RESTORE ALL TRENCHES AND SURFACE FEATURES TO EXISTING CONDITIONS OR BETTER AND TO THE SATISFACTION OF MUNICIPAL AUTHORITIES.
- REMOVE FROM SITE ALL DEBRIS AND EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
- ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
- REFER TO GEOTECHNICAL INVESTIGATION PA0278-1 (DATED JULY 5, 2019), PREPARED BY PATERSON GROUP INC. FOR SUBSURFACE CONDITIONS AND CONSTRUCTION RECOMMENDATIONS.
- PERFORATED PIPE SUB-DRAINS TO BE PROVIDED AT SUBGRADE LEVEL EXTENDING FROM THE ROADSIDE CATCHBASIN FOR A DISTANCE OF 3.0m, PARALLEL TO THE CURB IN TWO DIRECTIONS.

SEWER NOTES:

- SPECIFICATIONS:

ITEM	SPEC. No.	REFERENCE
CATCHBASIN (600x600mm)	705.010	OPSD
CATCHBASIN MANHOLE (1200)	701.010	OPSD
STORM / SANITARY MANHOLE (1200)	701.010	OPSD
ROADSIDE CB, FRAME & COVER	S2 & S19	CITY OF OTTAWA
CBMH FRAME & COVER	S25 & S28.1	CITY OF OTTAWA
STORM / SANITARY MH FRAME & COVER	S24.1 / S24 & S25	CITY OF OTTAWA
STORM SEWER	PVC DR 35 OR CONC.	(CLASS SPECIFIED ON PROFILE DRAWINGS)
SANITARY SEWER	PVC DR 35	
CATCHBASIN LEAD	PVC DR 35	
- INSULATE ALL PIPES (SAN/STM) THAT HAVE LESS THAN 1.5m COVER WITH 50mmX1200mm HI-40 INSULATION. PROVIDE 150mm CLEARANCE BETWEEN PIPE AND INSULATION.
- SERVICES ARE TO BE CONSTRUCTED TO PROPERTY LINE AT MINIMUM SLOPE OF 1.0% (2.0% IS PREFERRED).
- PIPE BEDDING, COVER AND BACKFILL ARE TO BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. THE USE OF CLEAR CRUSHED STONE AS A BEDDING LAYER SHALL NOT BE PERMITTED.
- SEWER SERVICE CONNECTIONS PER CITY OF OTTAWA DETAILS S11 AND S11.1.
- THE SITE SERVICING CONTRACTOR SHALL PERFORM FIELD TESTS FOR QUALITY CONTROL OF ALL SANITARY SEWERS. LEAKAGE TESTING SHALL BE COMPLETED IN ACCORDANCE WITH OPS5 410.07.16 AND 407.07.24. DYE TESTING IS TO BE COMPLETED ON ALL SANITARY SERVICES TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN. THE FIELD TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER.
- STORM MANHOLES AND CBMHs SHALL HAVE 300mm SUMP'S UNLESS OTHERWISE INDICATED.
- CONTRACTOR TO TELEVISION (CCTV) ALL PROPOSED SEWERS, 200mm OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES.

WATERMAIN NOTES:

- GENERAL:

ITEM	DETAIL No.	REFERENCE
WATERMAIN TRENCHING	W17	CITY OF OTTAWA
THERMAL INSULATION IN SHALLOW TRENCHES	W22	CITY OF OTTAWA
WATERMAIN CROSSING BELOW SEWER / OVER SEWER	W25 / W25.2	CITY OF OTTAWA
- THE WATERMAIN SHALL BE PVC DR 18 IN ACCORDANCE WITH MATERIAL SPECIFICATION MW-18.1, UNLESS OTHERWISE INDICATED.
- SUPPLY AND CONSTRUCT ALL WATERMANS AND APPURTENANCES IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. EXCAVATION, INSTALLATION, BACKFILL AND RESTORATION OF ALL WATERMANS BY THE CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN AND CHLORINATION OF THE WATER SYSTEM SHALL BE PERFORMED BY CITY OFFICIALS.
- WATERMAIN SHALL BE MINIMUM 2.4m DEPTH BELOW GRADE UNLESS OTHERWISE INDICATED.
- PROVIDE MINIMUM 0.50m CLEARANCE BETWEEN OUTSIDE OF PIPES AT ALL CROSSINGS.