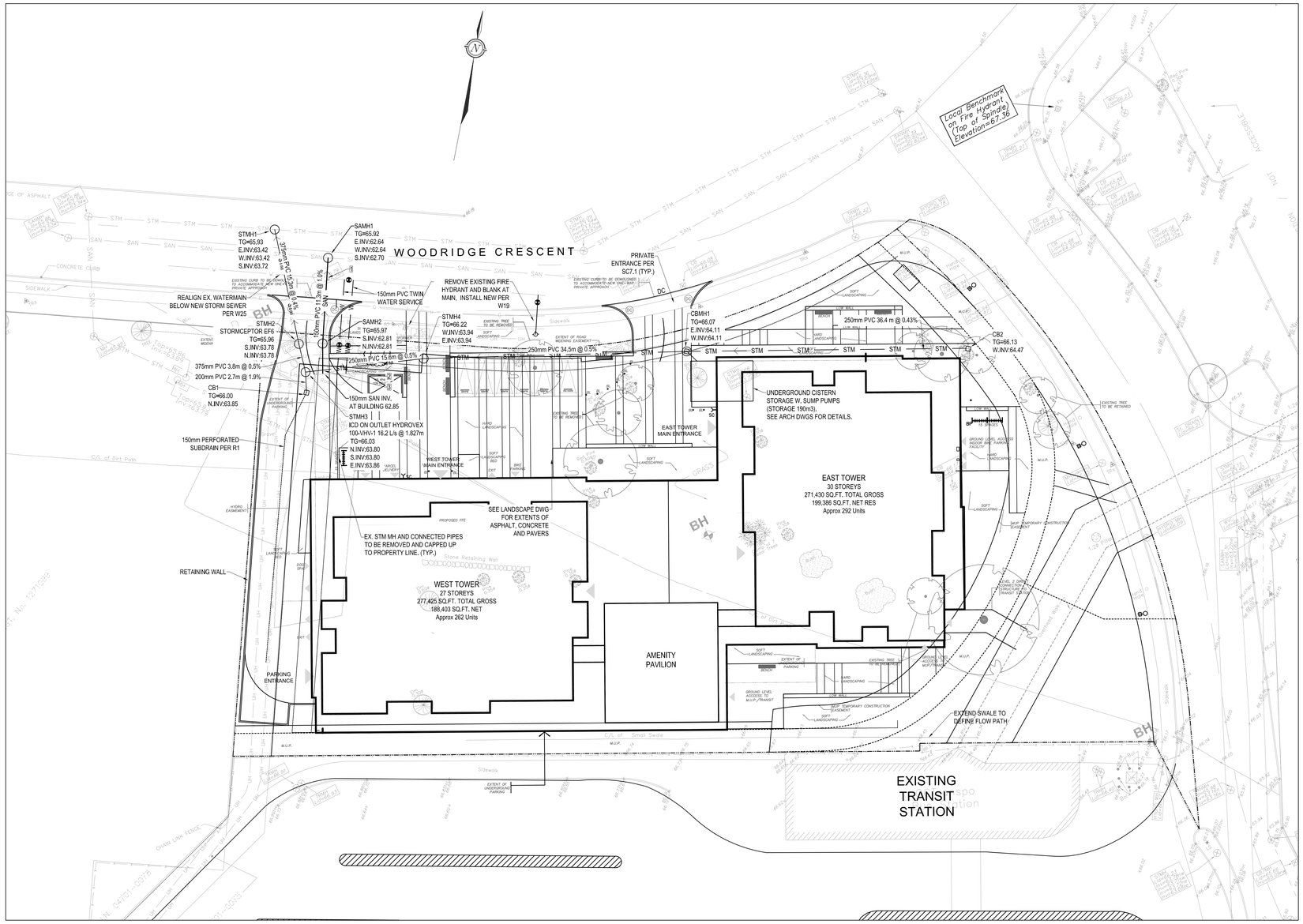

1 C001 SERVICING PLAN
SCALE=1:250

0 5m 10m 20m 25m
SCALE: 1:250

LEGEND

66.50	PROPOSED GRADE ELEVATION
66.50TC 66.35	PROPOSED TOP AND BOTTOM OF CURB
STMH	PROPOSED STORM SEWER MANHOLE
SAMH	PROPOSED SANITARY SEWER MANHOLE
CBMH	PROPOSED CATCHBASIN MANHOLE
CB	PROPOSED CATCHBASIN
STM	PROPOSED STORM SEWER
SAN	PROPOSED SANITARY SEWER
W	PROPOSED WATER SERVICE LINE
	PROPOSED VALVE BOX
	PROPOSED REDUCER
FH	PROPOSED FIRE HYDRANT
DC	PROPOSED DEPRESSED CURB
x65.96	EXISTING GRADE ELEVATION
MH	EXISTING MANHOLE
CB	EXISTING CATCHBASIN
VB	EXISTING VALVE & BOX
FH	EXISTING FIRE HYDRANT
STM	EXISTING STORM SEWER
SAN	EXISTING SANITARY SEWER
W	EXISTING WATERMAIN
G	EXISTING GASMAIIN

NOTES: STORM SEWERS AND STRUCTURES

1. ALL STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW STORM SEWERS, SERVICES AND CB LEADS.
2. STORM SEWERS 450mm DIAMETER AND SMALLER SHALL BE PVC SDR-35, WITH RUBBER GASKET PER CSA A-257.3.
3. STORM SEWER LARGER THAN 450mm SHALL BE REINFORCED CONCRETE CLASS 100.
4. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
5. ALL STORM MANHOLES TO BE AS PER STORM STRUCTURE TABLE.
6. ANY NEW OR EXISTING STORM SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER.
7. ALL CATCHBASIN LEADS TO BE MINIMUM 200mm DIAMETER AT MINIMUM 1.0% SLOPE UNLESS OTHERWISE SPECIFIED.
8. STORM CATCHBASINS AS PER OPSD 705.010 AND FRAME/COVER AS PER CITY STANDARD DRAWINGS S19. STORM CBMH'S AS INDICATED IN TABLE WITH SUMP, ADJUSTMENT SECTIONS SHALL BE AS PER OPSD 704.010.
9. INSTALLATION OF FLOW CONTROL ICD'S TO BE VERIFIED BY QUALITY VERIFICATION ENGINEER RETAINED BY CONTRACTOR.

NOTES: SANITARY SEWER AND MANHOLES

1. ALL SANITARY SEWER, SANITARY SEWER APPURTENANCES AND CONSTRUCTION METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. PROVIDE CCTV INSPECTION REPORTS FOR ALL NEW SANITARY PIPING.
2. SANITARY SEWER PIPE SIZE 150mm DIAMETER AND GREATER TO BE PVC SDR-35 (UNLESS SPECIFIED OTHERWISE) WITH RUBBER GASKET TYPE JOINTS IN CONFORMANCE WITH CSA B-182.2,3,4.
3. SEWER BEDDING AS PER CITY OF OTTAWA DETAIL S6.
4. ALL SANITARY MANHOLES 1200mm IN DIAMETER TO BE AS PER OPSD 701.01. FRAME AND COVER TO BE AS PER CITY OF OTTAWA STANDARD S25 AND S24.
5. MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES AS PER THE OPSD 701.021
6. ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR APPROVED BY THE ENGINEER.

NOTES: WATERMAIN

1. ALL WATERMAIN AND WATERMAIN APPURTANANCES, MATERIALS, CONSTRUCTION AND TESTING METHODS SHALL CONFORM TO THE CURRENT CITY OF OTTAWA AND MINISTRY OF ENVIRONMENT STANDARDS AND SPECIFICATIONS.
2. ALL WATERMAIN 300mm DIAMETER AND SMALLER TO BE POLY VINYL CHLORIDE (PVC) CLASS 150 DR 18 MEETING AWWA SPECIFICATION C900.
3. ALL WATERMAIN TO BE INSTALLED AT MINIMUM COVER OF 2.4m BELOW FINISHED GRADE. WHERE WATERMAINS CROSS OVER OTHER UTILITIES, A MINIMUM 0.30m CLEARANCE SHALL BE MAINTAINED; WHERE WATERMAINS CROSS UNDER OTHER UTILITIES, A MINIMUM 0.50m CLEARANCE SHALL BE MAINTAINED. WHERE THE MINIMUM SEPARATION CANNOT BE ACHIEVED, THE WATERMAIN SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W25 AND W25.2. WHERE 2.4m MINIMUM DEPTH CANNOT BE ACHIEVED, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W22. WHERE A WATERMAIN IS IN CLOSE PROXIMITY TO AN OPEN STRUCTURE, THERMAL INSULATION SHALL BE PROVIDED AS PER CITY OF OTTAWA STANDARD W23.
4. CONCRETE THRUST BLOCKS AND MECHANICAL RESTRAINTS ARE TO BE INSTALLED AT ALL TEES, BENDS, HYDRANTS, REDUCERS, ENDS OF MAINS AND CONNECTIONS 100mm AND LARGER, IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS W25.3 & W25.4.
5. CATHODIC PROTECTION REQUIRED FOR ALL IRON FITTINGS AS PER CITY OF OTTAWA STANDARD W40 & W42.
6. ALL VALVES AND VALVE BOXES AND CHAMBERS, HYDRANTS, AND HYDRANT VALVES AND ASSEMBLES SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARD
7. FIRE HYDRANT LOCATION AND INSTALLATION AS PER CITY OF OTTAWA STANDARD W18 & W19. CONTRACTOR TO PROVIDE FLOW TEST AND PAINTING OF NEW HYDRANT IN ACCORDANCE WITH CITY STANDARDS.
8. IF WATER MAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS LESS THAN HALF THAT RECOMMENDED BY THE MANUFACTURER.

SAN STRUCTURE TABLE

STRUCTURE ID	TOP OF GRATE ELEVATION	INVERT IN			INVERT OUT	INSULATION REQUIRED ON OUTLET PIPE?	DESCRIPTION SIZE	DESCRIPTION OPSD	DESCRIPTION COVER	NOTES
SAMH1	65.92	62.70	62.64		62.64	N	1200mm DIA.	OPSD 701.010	S24	
SAMH2	65.97	62.81			62.81	N	1200mm DIA.	OPSD 701.010	S24	

STORM STRUCTURE TABLE

STRUCTURE ID	TOP OF GRATE ELEVATION	INVERT IN			INVERT OUT	INSULATION REQUIRED ON OUTLET PIPE?	DESCRIPTION SIZE	DESCRIPTION OPSD	DESCRIPTION COVER	NOTES
CB1	66.00				63.85	N	600X600mm	OPSD 705.010	S19.1	
CB2	66.13				64.47	Y	600X600mm	OPSD 705.010	S19.1	
STMH1	65.93	63.72	63.42		63.42	N	1200mm DIA.	OPSD 701.010	S24.1	
STMH2	65.96	63.78			63.78	Y	1800mm DIA.	OPSD 701.012	Stormceptor	EF6
STMH3	66.03	63.86	63.80		63.80	Y	1200mm DIA.	OPSD 701.010	S24.1	
STMH4	66.22	63.94			63.94	N	1200mm DIA.	OPSD 701.010	S24.1	
CBMH1	66.08	64.11			64.11	Y	1200mm DIA.	OPSD 701.010	S28.1	

PIPE CROSSING TABLE

		Obvert			Invert	
1	150mm SAN	62.88	0.50	Clearance Under	63.38	200mm Ex. WM
2	150mm WM	63.39	0.50	Clearance Under	63.89	250mm STM
3	150mm SAN	63.00	0.87	Clearance Under	63.87	250mm STM

None Above

KingSett CAPITAL

Ivanhoé Cambridge

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no.	date	revision
1	2021-04-28	ISSUED FOR SPA

LICENSED PROFESSIONAL ENGINEER
S.A.G. MCCAUGHEY
100217133
2021-04-28
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OTTAWA ONTARIO CANADA K2B 8K2
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PROJECT/LOCATION:
100 BAYSHORE LOT "B"
WOODRIDGE CRESCENT

DRAWING TITLE:
SERVICING PLAN

DRAWN BY:	DATE:	SCALE:
B.N. / S.M.	APRIL 28, 2021	AS NOTED

PROJECT: 211-02810-00

DRAWING NO.: C001

REVISION NO.: