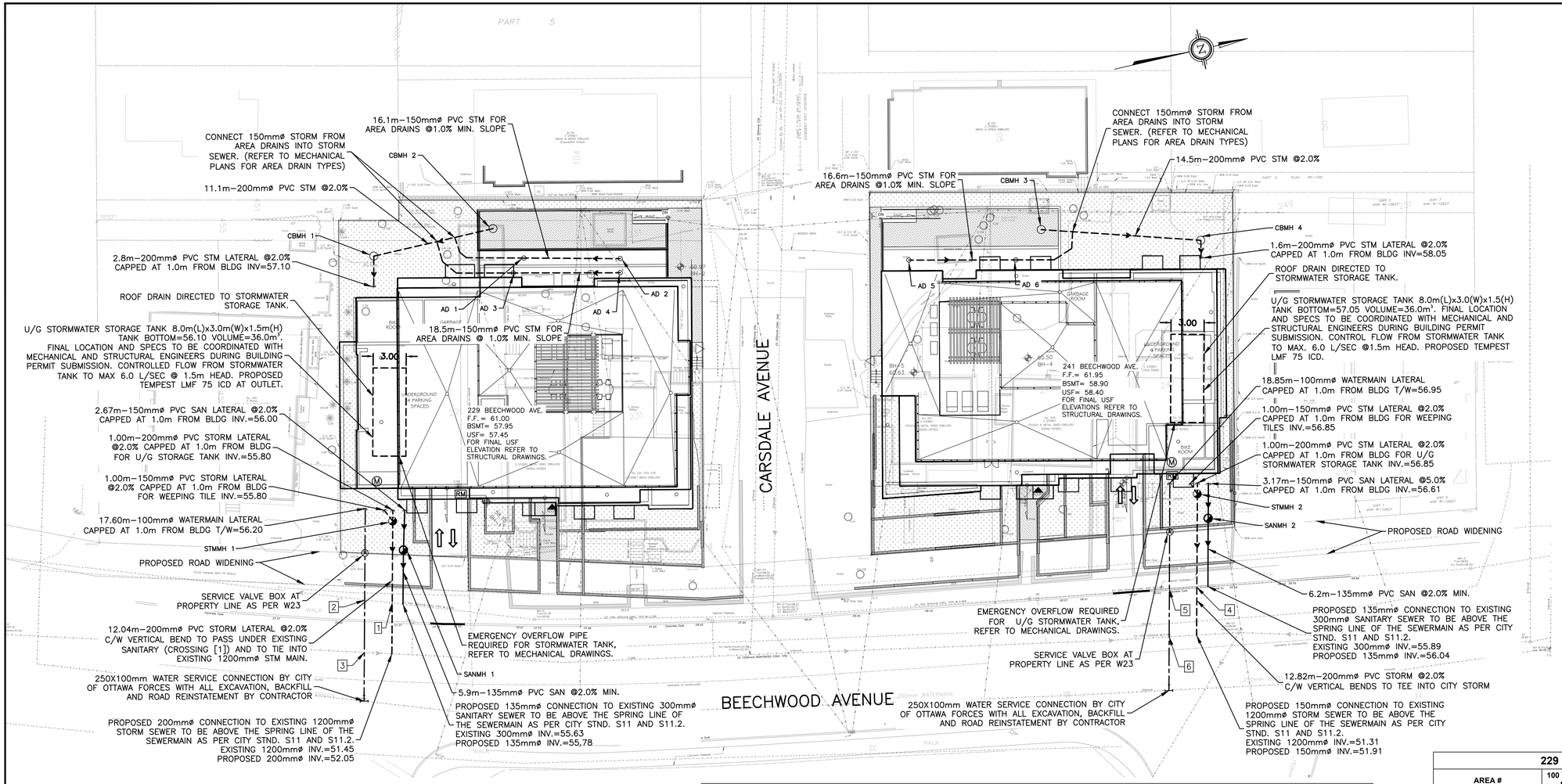
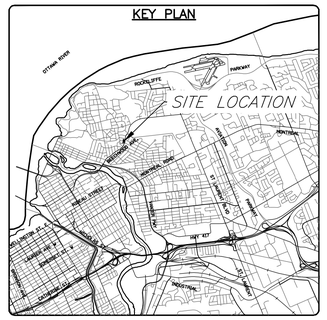
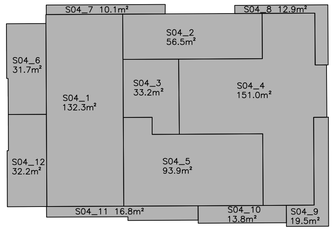
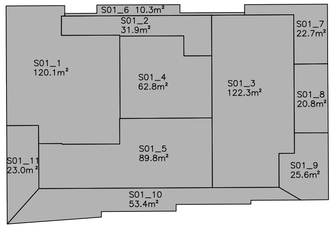






ROOF DRAIN AREA PLAN
229 BEECHWOOD AVE.
N.T.S.



ROOF DRAIN AREA PLAN
241 BEECHWOOD AVE.
N.T.S.

WATERMAIN / SEWER CROSSING TABLE

LOCATION	FINISHED GRADE (m)	SANITARY SEWER			STORM SEWER			WATERMAIN			CLEARANCES (mm)
		INV ELEV (m)	DIA (mm)	OBV ELEV (m)	INV ELEV (m)	DIA (mm)	OBV ELEV (m)	INV ELEV (m)	DIA (mm)	OBV ELEV (m)	
1	57.69	55.63	300	55.93	54.93	200	55.13				500
2	57.68	55.62	300	55.92				54.87	100	54.97	650
3	57.50				51.89	1200	53.09	55.25	100	55.35	2160
4	58.65	55.87	300	56.17	56.63	200	56.83				460
5	58.67	55.88	300	56.18				56.50	100	56.60	320
6	58.60				51.31	1200	52.51	56.45	100	56.55	3940

WATERMAIN TABLE

STATION	DESCRIPTION	GROUND ELEVATION (m)	TOP OF WATERMAIN. ELEV (m)	
			PROPOSED (m)	AS-BUILT (m)
229 Beechwood				
0+000	250x100 TEE	57.50	55.40	
0+07.7	45° VERTICAL BEND	57.67	55.27	
0+08.0	45° VERTICAL BEND	57.67	54.97	
0+10.3	45° VERTICAL BEND	58.15	54.97	
0+11.1	45° VERTICAL BEND	58.17	55.77	
0+013.4	VALVE AND VALVE BOX	58.37	55.97	
0+017.5	CAP - 1m FROM BUILDING	58.60	56.20	
241 Beechwood				
0+000	250x100 TEE	58.60	56.50	
0+014.4	VALVE AND VALVE BOX	59.05	56.65	
0+018.8	CAP - 1m FROM BUILDING	59.73	56.95	

STRUCTURE TABLE

STRUCTURE NUMBER	TYPE	LID ELEV (m)	INVERT IN (m) and DIA (mm)		INVERT OUT (m) and DIA (mm)		STRUCTURE				Comment
							SIZE	REFERENCE	FRAME	COVER	
CBMH 1	STORM	59.26	57.220	(200)	57.160	(200)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S28.1	
CBMH 2	STORM	60.67			57.440	(200)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S28.1	
CBMH 3	STORM	60.69			58.430	(200)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S28.1	
CBMH 4	STORM	60.65	58.140	(200)	58.080	(200)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S28.1	
STMMH 1	STORM	58.44	55.78 (W)	(200)	55.750	(200)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24.1	Lateral to stormwater storage tank
			55.78 (SW)	(150)							Lateral for weeping tile connection
STMMH 2	STORM	59.70	56.83 (W)	(200)	56.800	(200)	1200 DIA	OPSD 701.010	Ottawa S25	Ottawa S24.1	Lateral to stormwater storage tank
			56.83 (SW)	(150)							Lateral for weeping tile connection
SANMH 1	SANITARY	58.32	55.930	(150)	55.900	(135)	1200 DIA	OPSD 705.010	Ottawa S25	Ottawa S24	
SANMH 2	SANITARY	59.67	56.450	(150)	56.400	(135)	1200 DIA	OPSD 705.010	Ottawa S25	Ottawa S24	

ICD SUMMARY TABLE

Control Location	Post-Dev Area No.	Max Flow (L/sec)	Max Head (m)	Type	Model
229 Beechwood U/G Stormwater Tank	S04	6.00	1.5	TEMPEST	LMF75
241 Beechwood U/G Stormwater Tank	S01	6.00	1.5	TEMPEST	LMF75

229 BEECHWOOD ROOF PONDING TABLE

AREA #	100 YEAR PONDING DEPTH (mm)	WEIR TYPE	NO. OF WEIRS PER DRAIN	WEIR POSITION
S04_1	110	WATTS ACCUTROL	1	6-FULL
S04_2	98	WATTS ACCUTROL	1	6-FULL
S04_3	95	WATTS ACCUTROL	1	3-1/4 OPEN
S04_4	125	WATTS ACCUTROL	1	4-1/2 OPEN
S04_5	120	WATTS ACCUTROL	0	3-1/4 OPEN
S04_6	0	NONE	NO WEIR	1-NONE
S04_7	0	NONE	NO WEIR	1-NONE
S04_8	0	NONE	NO WEIR	1-NONE
S04_9	0	NONE	NO WEIR	1-NONE
S04_10	0	NONE	NO WEIR	1-NONE
S04_11	0	NONE	NO WEIR	1-NONE
S04_12	0	NONE	NO WEIR	1-NONE

241 BEECHWOOD ROOF PONDING TABLE

AREA #	100 YEAR PONDING DEPTH (mm)	WEIR TYPE	NO. OF WEIRS PER DRAIN	WEIR POSITION
S01_1	113	WATTS ACCUTROL	1	6-FULL
S01_2	82	WATTS ACCUTROL	1	6-FULL
S01_3	124	WATTS ACCUTROL	1	3-1/4 OPEN
S01_4	107	WATTS ACCUTROL	1	4-1/2 OPEN
S01_5	119	WATTS ACCUTROL	1	3-1/4 OPEN
S01_6	0	NONE	NO WEIR	1-NONE
S01_7	0	NONE	NO WEIR	1-NONE
S01_8	0	NONE	NO WEIR	1-NONE
S01_9	0	NONE	NO WEIR	1-NONE
S01_10	0	NONE	NO WEIR	1-NONE
S01_11	0	NONE	NO WEIR	1-NONE

CAUTION
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, 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.

REV	REVISION DESCRIPTION	DATE	BY	APPD
2	ISSUED FOR CITY REVIEW	22/03/22	AC	BMT
1	ISSUED FOR SITE PLAN CONTROL	15/12/20	SK	BMT

SCALE: 0 2m 4m 8m HORIZONTAL 1:200
NORTH
DESIGNED BY
REVIEWED BY
LICENSED PROFESSIONAL ENGINEER B. M. THOMAS 2022-03-22 PROVINCE OF ONTARIO

CLIENT: 229 BEECHWOOD HOLDINGS INC. AND 241 BEECHWOOD HOLDINGS INC. C/O BINTEE DEV INC.BINTEE DEV INC. 226 ARGYLE Ave., OTTAWA, ON, K2P 1B9

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BASEPLAN	SK
DESIGN	JLF/ARO
CHECKED	BMT
CAD	SK
PROJECT MANAGER	BMT
APPROVED	BMT

PROJECT: 229–247 BEECHWOOD OTTAWA, ON
TITLE: SITE SERVICING PLAN

PROJECT No.	OTT–238207–C0
SURVEY	AOV
DATE	DEC 2020
DRAWING No.	C100

#18403

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Scale: 1:200 Units: Metric
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