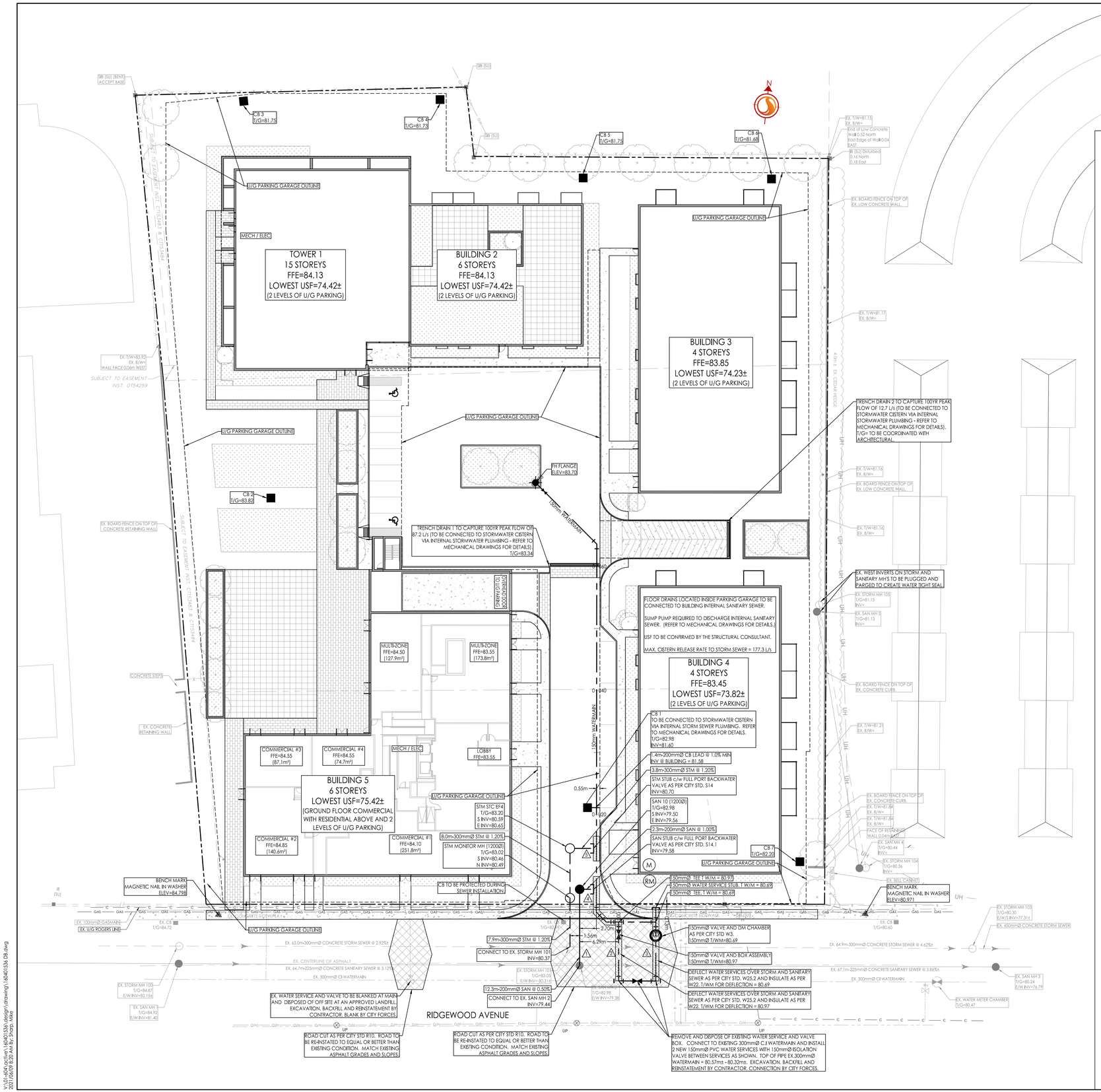

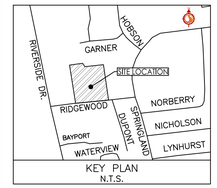

150mmØ WATERMAIN

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	82.67	80.970	150mm x 150mm TEE
0+002	82.74	80.950	45° HORIZONTAL BEND
0+004.3	82.81	80.900	45° HORIZONTAL BEND
0+010	82.92	80.520	TOP OF PIPE
0+012.5	83.00	80.600	45° VERTICAL BEND CROSSING STORM AS PER W25.2 AND W22.
0+013.5	83.04	81.660	45° VERTICAL BEND CROSSING STORM AS PER W25.2 AND W22.
0+014.5	83.08	81.660	WATER CROSSING OVER STORM SEWER
0+015.5	83.07	81.660	45° VERTICAL BEND CROSSING STORM AS PER W25.2 AND W22.
0+016.5	83.06	80.660	45° VERTICAL BEND CROSSING STORM AS PER W25.2 AND W22.
0+020	83.02	80.620	TOP OF PIPE
0+040	83.14	80.740	TOP OF PIPE
0+060	83.33	80.930	TOP OF PIPE
0+063.6	83.40	81.000	45° HORIZONTAL BEND
0+075.6	83.44	81.040	150mmØ VALVE AND VALVE BOX
0+077.6	83.60	81.200	FIRE HYDRANT

SCHEDULE OF ROOF RELEASE RATES

DRAIN TYPE	TRIBUTARY AREA ID	# OF DRAINS	100YR Head (m)	100YR RELEASE RATE (L/s)
WATTS ACCUFLOW (75% OPEN)	ROOF 1	4	0.141	6.0
WATTS ACCUFLOW (75% OPEN)	ROOF 3	4	0.145	6.1
WATTS ACCUFLOW (50% OPEN)	ROOF 4	4	0.149	5.0
WATTS ACCUFLOW (75% OPEN)	ROOF 5	6	0.145	9.2

SEWER AND WATERMAIN CROSSING TABLE

CROSSING	STM.INV	STM OBV	SAN INV	SAN OBV	WTR TOP	WTR BTM
1	80.24 (80.17)	80.54 (80.61)	79.46	79.66		
2	79.95 (79.88)	80.25 (80.32)	79.14 (79.07)	79.37 (79.44)	80.97	80.82
3	79.67 (79.60)	79.97 (80.04)	78.94 (78.84)	79.14 (79.21)	80.69	80.54
4			79.59	79.79	80.65	80.50
5	80.71	81.01			81.66	81.51

* BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS

Stantec

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Legend

PROPOSED WATERMAIN
PROPOSED VALVE AND VALVE BOX
PROPOSED VALVE CHAMBER
PROPOSED REDUCER
PROPOSED FIRE HYDRANT
PROPOSED SANITARY SEWER
PROPOSED STORM SEWER
PROPOSED CATCHBASIN
CIRCULAR ORIFICE (SEE ICD TABLE ON SSP-1 AND SD-1)
EX/FUT. WATERMAIN
EXISTING/FUTURE VALVE AND VALVE BOX
EXISTING/FUTURE VALVE CHAMBER
EXISTING/FUTURE REDUCER
EXISTING/FUTURE FIRE HYDRANT
EXISTING/FUTURE SANITARY SEWER
EXISTING/FUTURE STORM SEWER
EXISTING/FUTURE CATCHBASIN MANHOLE
EXISTING/FUTURE CATCHBASIN
DC PROPOSED DEPRESSED CURB LOCATIONS
PROPOSED BARRIER CURB
THERMAL INSULATION ON STORM SEWER WHERE COVER IS LESS THAN 1.5m. THERMAL INSULATION ON WATERMAIN WHERE COVER IS LESS THAN 2.4m AS PER W22.
M WATER METER
RM REMOTE WATER METER
ROAD CUT AS PER CITY OF OTTAWA STANDARD DETAIL R10

Notes

1. ALL CATCH BASINS AND TRENCH DRAINS TO BE CONNECTED TO INTERNAL PLUMBING AND COLLECTED IN STORM WATER MANAGEMENT CISTERN. INSTALLATION BY OTHERS.
2. FINAL METER AND REMOTE METER LOCATINS TO BE CONFIRMED BY MECHANICAL CONSULTANT.
3. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR THEIR PROTECTION AND THE IMPLEMENTATION OF ANY NECESSARY PROCEDURES CALLED FOR IN THE APPROPRIATE STANDARD AND REGULATIONS.
4. INTERNAL PLUMBING AND SUMP PUMPS TO BE DESIGNED BY THE MECHANICAL CONSULTANT.
5. STORMWATER MANAGEMENT TO BE PROVIDED THROUGH A 52m³ CISTERN LOCATED IN THE UNDERGROUND PARKING.
6. BOOSTER PUMPS TO BE PROVIDED TO MAINTAIN MINIMUM PRESSURES FOR TOWERS 6-STOREYS AND HIGHER.

0	ISSUED FOR SPA	MJS	AMP	21.06.09
Revision		By	Appd.	YY.MM.DD
File Name: 160401536 D8.DWG		MJS	AMP	MJS	21.06.01
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
A.M. PAREZ FERNANDEZ
100105130
2021-06-09
PROVINCE OF ONTARIO

Client/Project
BRIGIL HOMES

MOONEY'S BAY
729 RIDGEWOOD AVENUE
OTTAWA, ON, CANADA

Title
SITE SERVICING PLAN

Project No.	Scale	Revision
160401536	1:300 (0 3 9 15m)	
Drawing No.	Sheet	
SSP-1	3 of 7	0
		PLAN #

D