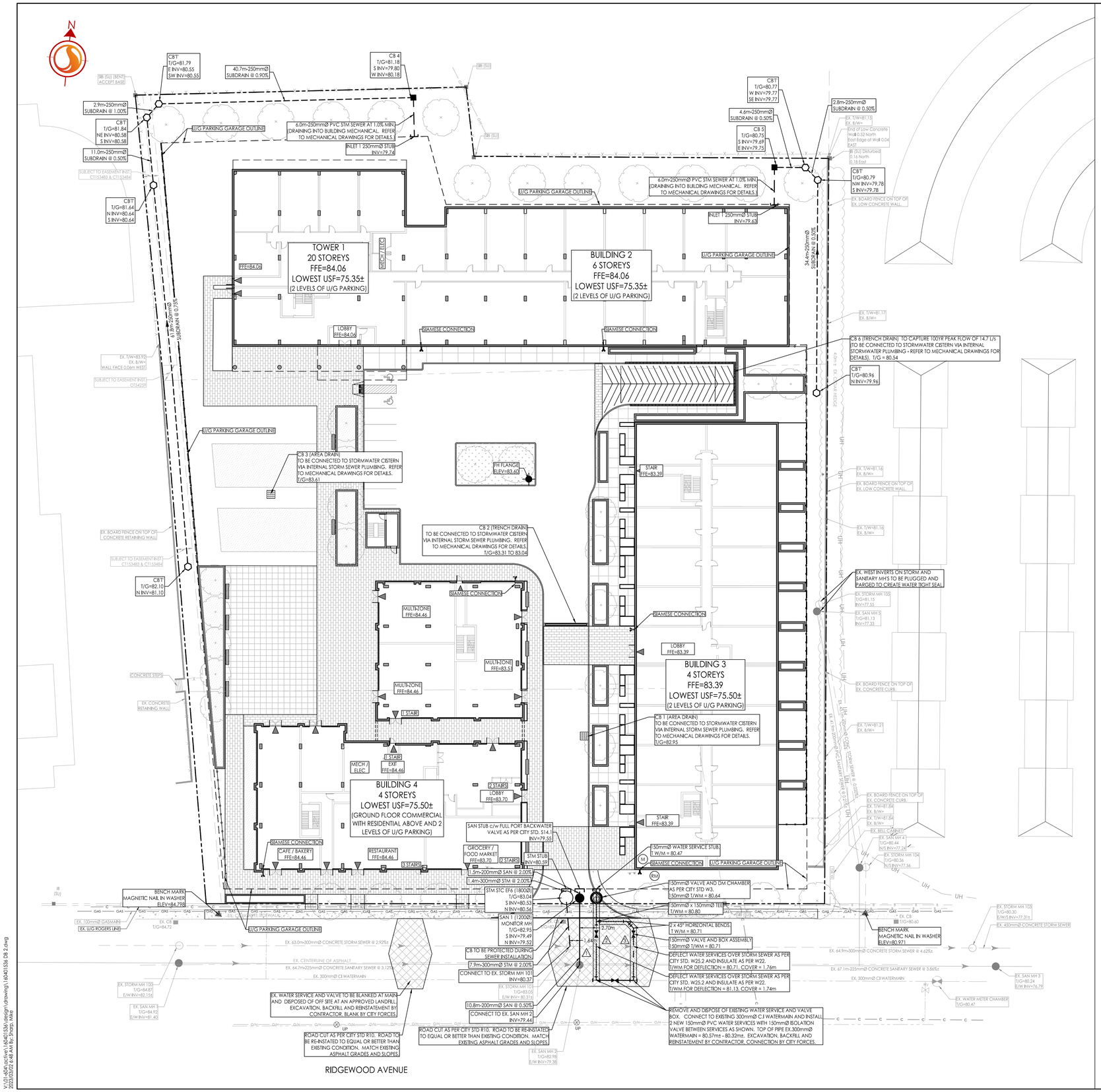

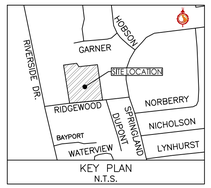

SCHEDULE OF ROOF RELEASE RATES				
DRAIN TYPE	TRIBUTARY AREA ID	# OF DRAINS	100YR Head (m)	100YR RELEASE RATE (L/s)
WATTS ACCUFLOW (50% OPEN)	ROOF 1	4	0.148	5.0
WATTS ACCUFLOW (100% OPEN)	ROOF 2	4	0.117	5.9
WATTS ACCUFLOW (75% OPEN)	ROOF 3	6	0.146	9.2
WATTS ACCUFLOW (100% OPEN)	ROOF 4	4	0.148	7.5

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)	79.47	79.67		
2	80.11 (80.04)	80.41 (80.48)	79.28 (79.21)	79.51 (79.58)	81.13	80.98
3	79.84 (79.77)	80.14 (80.21)	79.04 (78.97)	79.27 (79.34)	80.86	80.71

* 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 FIRE HYDRANT
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED CATCHBASIN
- PROPOSED AREA DRAIN REFER TO MECHANICAL DRAWINGS FOR DETAILS
- EX/FUT. WATERMAIN
- EXISTING/FUTURE VALVE AND VALVE BOX
- EXISTING/FUTURE VALVE CHAMBER
- EXISTING/FUTURE FIRE HYDRANT
- EXISTING/FUTURE SANITARY SEWER
- EXISTING/FUTURE STORM SEWER
- EXISTING/FUTURE CATCHBASIN MANHOLE
- EXISTING/FUTURE CATCHBASIN
- 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.
- WATER METER
- 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 40m³ CISTERN LOCATED IN THE UNDERGROUND PARKING.
6. MAX. CISTERN RELEASE RATE TO STORM SEWER = 166.2L/s
7. BOOSTER PUMPS TO BE PROVIDED TO MAINTAIN MINIMUM PRESSURES FOR TOWERS 6-STOREYS AND HIGHER.
8. SUMP PUMP REQUIRED TO DISCHARGE TO INTERNAL SANITARY SEWER. (REFER TO MECHANICAL DRAWINGS FOR DETAILS)
9. FLOOR DRAINS LOCATED INSIDE PARKING GARAGE TO BE CONNECTED TO BUILDING INTERNAL SANITARY SEWER.
10. USF TO BE CONFIRMED BY THE STRUCTURAL CONSULTANT.

Revision	By	Appd.	YY.MM.DD
2 REVISED AS PER CITY COMMENTS	MJS	DT	23.03.02
1 REVISED AS PER CITY COMMENTS	MJS	DT	22.07.05
0 ISSUED FOR SPA	MJS	AMP	21.06.09

File Name: 160401536 D8.DWG	MJS	AMP	MJS	21.06.01
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
D. C. THIFFAULT
100186107
2023-03-08
PROVINCE OF ONTARIO

Client/Project

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Title

SITE SERVICING PLAN

Project No.	Scale	
160401536	1:300 (0 3 9 15m)	
Drawing No.	Sheet	Revision
SSP-1	3 of 7	2

PLAN # 18552

D07-12-21-0089

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2023/03/02 6:48 AM By: Sharp, Mike

ORIGINAL SHEET - ARCH D