

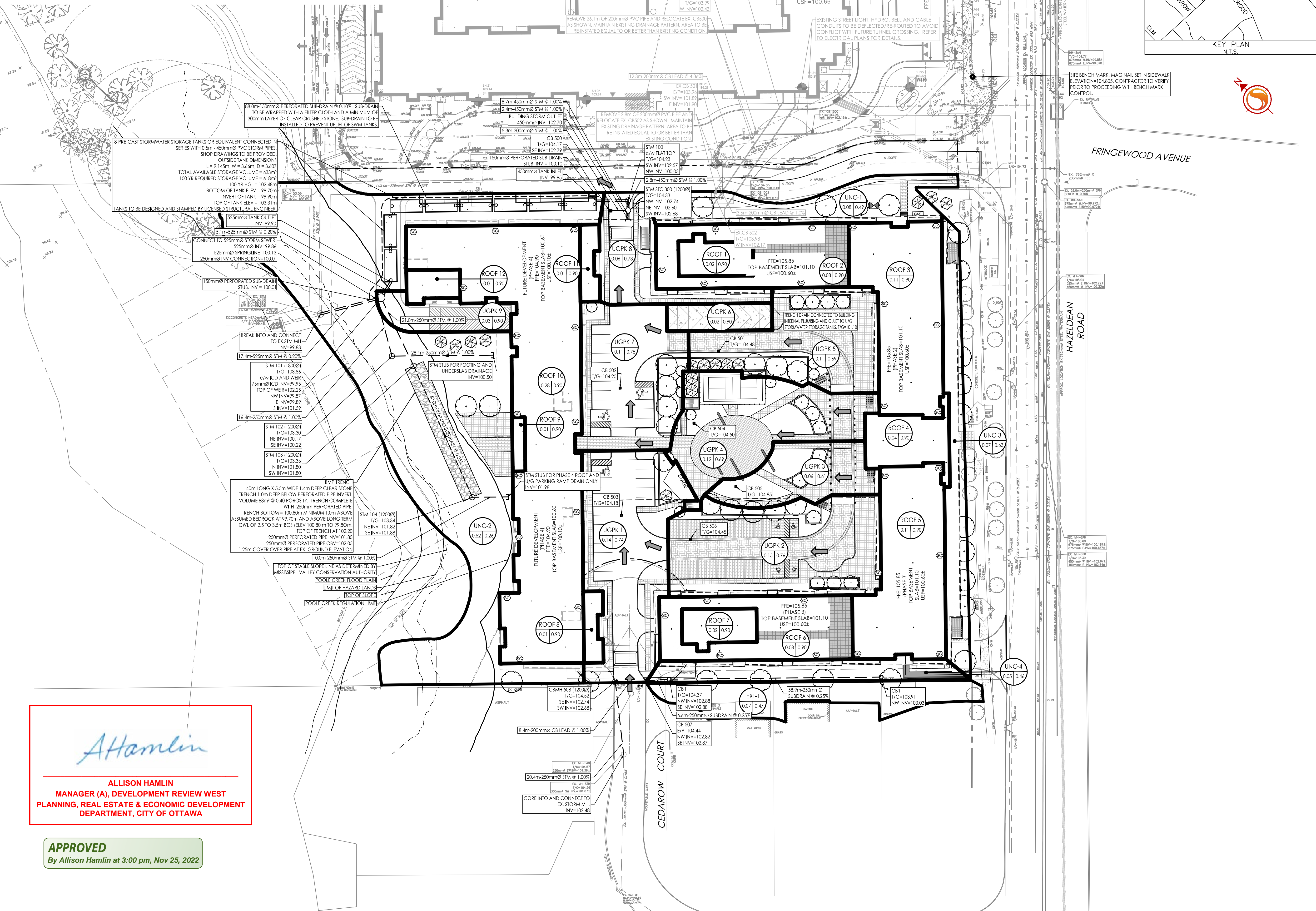
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**Legend**

- ROOF 1: AREA ID
- 1.00 0.90: RUNOFF COEFFICIENT
- : STORM DRAINAGE AREA b.c.
- : STORM DRAINAGE AREA b.c. MAXIMUM PONDING LIMITS
- : DIRECTION OF OVERLAND FLOW
- : PROPOSED STORM SEWER
- : PROPOSED CATCHBASIN MANHOLE
- : PROPOSED CATCHBASIN
- : PROPOSED DITCH INLET CATCHBASIN
- : PROPOSED DOUBLE CATCH BASIN
- : PROPOSED SUB DRAIN CATCH BASIN AS PER CITY OF OTTAWA STANDARD DETAIL DRAWINGS L10 AND L11
- : PROPOSED PERFORATED SUBDRAIN
- : EXISTING STORM SEWER
- : EXISTING CATCHBASIN MANHOLE
- : EXISTING CATCHBASIN
- : EXISTING SUBDRAIN CATCHBASIN
- : EXISTING SWALE
- : 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.
- : PROPOSED SCUPPER LOCATIONS

**SCHEDULE OF ROOF RELEASE RATES**

ROOF	DRAIN TYPE	NUMBER OF DRAINS	DEPTH (m)	HEAD (m)	DISCHARGE (L/s)	VOLUME REQUIRED (m <sup>3</sup> )	VOLUME AVAILABLE (m <sup>3</sup> )
1+2	WATTS ACCUFLOW (50% OPEN)	7	136	0.136	8.21	29.1	38.2
3	WATTS ACCUFLOW (100% OPEN)	4	142	0.142	7.14	37.9	43.9
4	WATTS ACCUFLOW (CLOSED)	5	135	0.135	3.15	10.5	14.1
5	WATTS ACCUFLOW (100% OPEN)	4	142	0.142	7.14	37.9	43.9
6+7	WATTS ACCUFLOW (50% OPEN)	7	136	0.136	8.21	29.1	38.2
8	WATTS ACCUFLOW (25% OPEN)	2	117	0.117	1.68	1.9	3.9
9	WATTS ACCUFLOW (25% OPEN)	2	100	0.100	1.58	0.6	2.1
10	WATTS ACCUFLOW (25% OPEN)	21	141	0.141	19.25	94.7	112.4
11	WATTS ACCUFLOW (25% OPEN)	2	120	0.120	1.70	2.2	4.2
12	WATTS ACCUFLOW (25% OPEN)	2	118	0.118	1.69	2.0	4.0



Revision	By	Appd.	YY.MM.DD	
5	REVISÉ AS PER CITY COMMENTS	MJS	DT	22.07.14
4	REVISÉ AS PER CITY COMMENTS	MJS	DT	22.03.29
3	REVISÉ AS PER CITY COMMENTS	MJS	TR	21.09.02
2	ISSUED FOR GEOTECH REVIEW	MJS	DT	21.08.03
1	ISSUED TO CITY FOR SPA	MJS	DT	20.05.22

File Name: 160401511-DB MJS DT MJS 19.09.05  
Dwn. Chkd. Dgn. YY.MM.DD

Permit-Seal

Client/Project  
**NAUTICAL LANDS GROUP**  
2962 Carp Road  
**WELLINGS OF STITTSVILLE PH 2**  
20 CEDAROW COURT  
OTTAWA, ON

Title  
**STORM DRAINAGE PLAN**

Project No. 160401511 Scale 1:500  
Drawing No. Sheet Revision

SD-1 6 of 7 5  
PLAN No. 18190

*Allanlin*  
**ALLISON HAMLIN**  
MANAGER (A), DEVELOPMENT REVIEW WEST  
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
DEPARTMENT, CITY OF OTTAWA

**APPROVED**  
By Allison Hamlin at 3:00 pm, Nov 25, 2022

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22/11/2022 14:15:59 by: mhamlin