LEGEND

- PROPOSED BARRIER CURB
- DC — PROPOSED DEPRESSED CURB
- DRAINAGE AREA LIMITS
- 1:5 YR / 1:100 YR — APPROXIMATE PONDING LIMITS
- A-2 / 0.170 / 0.82 — POST-DEVELOPMENT AREA ID; POST-DEVELOPMENT DRAINAGE AREA (ha); 1:5 YEAR WEIGHTED RUNOFF COEFICIENT
- STM MH — PROPOSED STORM MANHOLE
- CBMH — PROPOSED CATCHBASIN MANHOLE
- CB — PROPOSED CATCHBASIN
- PROPOSED STRUCTURAL RETAINING WALL
- RD — CONTROLLED FLOW ROOF DRAIN
- OD — UNCONTROLLED OVERFLOW ROOF DRAIN
- PROPOSED STORM SEWER AND FLOW DIRECTION
- ICD — PROPOSED INLET CONTROL DEVICE
- EMERGENCY OVERLAND FLOW ROUTE
- PROPOSED BUILDING ENTRANCE / EXIT
- STM MH — EXISTING STORM MH & SEWER
- CB — EXISTING CATCHBASIN C/W CATCHBASIN LEAD
- MAXIMUM 3:1 SIDESLOPE

ROOF DRAIN TABLE: AREA R-1 (ROOF DRAINS 1 to 10)

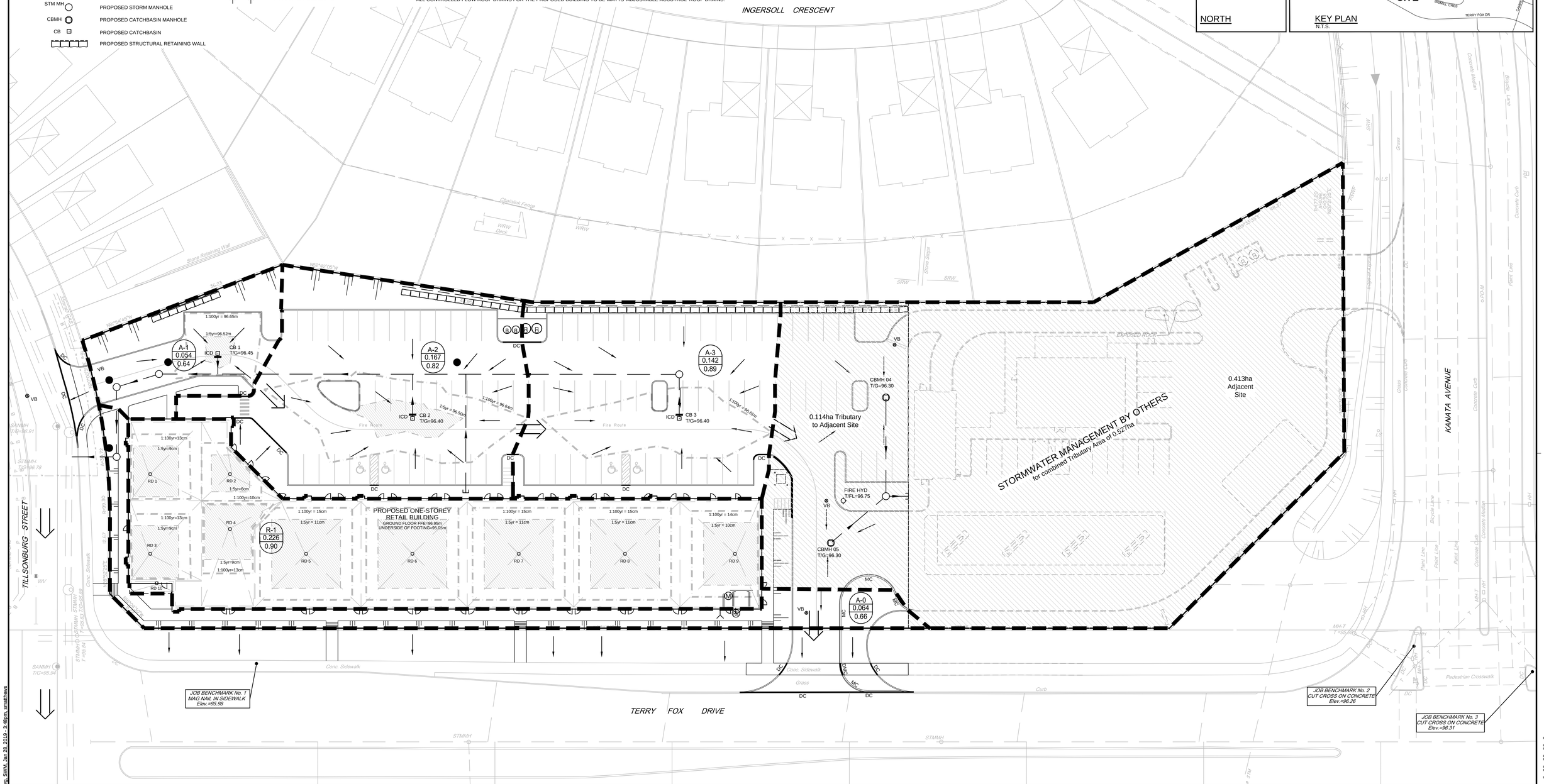
AREA ID *	ROOF DRAIN No. (WATTS MODEL)	ROOF DRAIN OPENING SETTING	1:5 YEAR RELEASE RATE	APPROX. 5 YR PONDING DEPTH	1:100 YEAR RELEASE RATE	APPROX. 100 YR PONDING DEPTH
R-1	RD 1 (RD-100-A-ADJ)	1/2 EXPOSED	0.79 L/s	9 cm	1.10 L/s	13 cm
R-1	RD 2 (RD-100-A-ADJ)	1/2 EXPOSED	0.79 L/s	6 cm	0.95 L/s	10 cm
R-1	RD 3 (RD-100-A-ADJ)	1/2 EXPOSED	0.79 L/s	9 cm	1.10 L/s	13 cm
R-1	RD 4 (RD-100-A-ADJ)	1/2 EXPOSED	0.79 L/s	9 cm	1.10 L/s	13 cm
R-1	RD 5 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.58 L/s	15 cm
R-1	RD 6 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.58 L/s	15 cm
R-1	RD 7 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.58 L/s	15 cm
R-1	RD 8 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.58 L/s	15 cm
R-1	RD 9 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	10 cm	1.26 L/s	14 cm
R-1 (CANOPY)	RD 10 (UN-CONTROLLED)	- - -	0.42 L/s	- - -	0.79 L/s	- - -

* REFER TO THE 'DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT' (R-2018-158) PREPARED BY NOVATECH FOR DRAINAGE AREA IDENTIFIERS AND STORMWATER MANAGEMENT DETAILS.

**ALL CONTROLLED FLOW ROOF DRAINS FOR THE PROPOSED BUILDING TO BE WATTS 'ADJUSTABLE ACCUTROL' ROOF DRAINS.

INLET CONTROL DEVICE - DATA TABLE

CB I.D.	ICD TYPE	DIAMETER OF OUTLET PIPE (mm)	DESIGN FLOW (L/s)		DESIGN HEAD (m)	
			2-YEAR	100-YEAR	2-YEAR	100-YEAR
CB 1	TEMPEST LMF (Vortex 90)	300	6.7	9.3	0.91	1.61
CB 2	TEMPEST MHF (126mmØ)	300	32.0	39.0	1.06	1.54
CB 3	TEMPEST MHF (162mmØ)	300	30.0	59.4	0.39	1.29



NOTE:
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.

NOT FOR CONSTRUCTION

OWNER INFORMATION
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DENNIS LAURIN
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dennis.laurin@laurin.ca

No.	REVISION	DATE	BY
2	ISSUED FOR SITE PLAN APPROVAL	JAN 25/19	MS
1	ISSUED FOR DESIGN COORDINATION	JAN 17/19	MS

SCALE 1:300 (0 3 6 9 12)

DESIGN: SM / MS
CHECKED: MS
DRAWN: SM
CHECKED: SM / MS
APPROVED: MS

FOR REVIEW ONLY

LICENSED PROFESSIONAL ENGINEER M. SAVIC 100102651 Jan 25/19 PROVINCE OF ONTARIO

LICENSED PROFESSIONAL ENGINEER C. M. STANG 100125708 Jan. 25/19 PROVINCE OF ONTARIO

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PLAN24x36 DWG - 914.4mmx609.6mm

LOCATION
CITY OF OTTAWA - 471 TERRY FOX DRIVE
HERITAGE HILLS RETAIL PLAZA

DRAWING NAME
STORMWATER MANAGEMENT PLAN

PROJECT No. 118133
REV REV # 2
DRAWING No. 118133-SWM

XXXXX

D07-12-18-XXXX

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