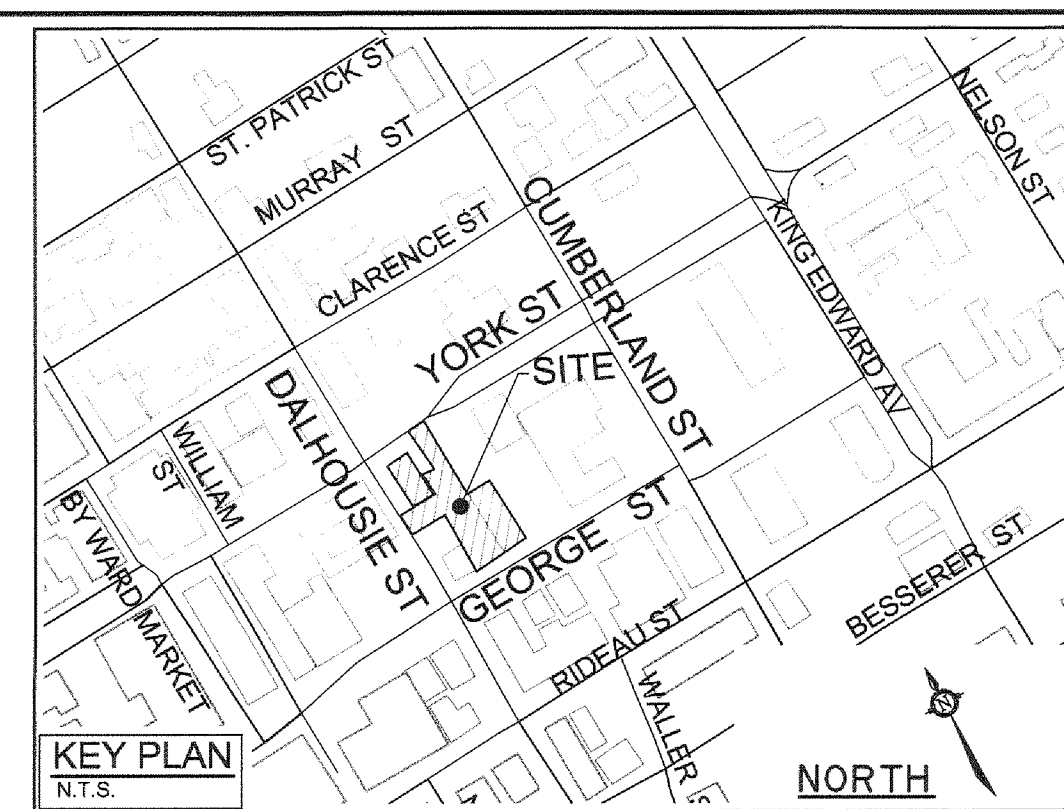


AREA ID	ZURN SPECIFICATION	NOTCHES	ZURN ROOF DRAIN CONTROL PARAMETERS					
			5-YEAR EVENT			100-YEAR EVENT		
			HEAD(m)	Q(m <sup>3</sup> /s)	VOL(m <sup>3</sup> )	HEAD(m)	Q(m <sup>3</sup> /s)	VOL(m <sup>3</sup> )
R-1	ZCF121-1W-X4-Z-105-10-77	1	0.09	0.36	0.35	0.12	0.47	0.84
R-2	ZCF121-1W-X4-Z-105-10-77	1	0.06	0.23	0.02	0.09	0.33	0.07
R-3	ZCF121-1W-X4-Z-105-10-77	1	0.09	0.36	0.36	0.13	0.47	0.93
R-4	ZCF121-1W-X4-Z-105-10-77	1	0.06	0.23	0.02	0.09	0.33	0.07
R-5	ZCF121-1W-X4-Z-105-10-77	1	0.10	0.38	0.53	0.13	0.50	1.25
R-6	ZCF121-1W-X4-Z-105-10-77	1	0.11	0.41	1.87	0.14	0.53	4.13
R-7	ZCF121-1W-X4-Z-105-10-77	1	0.10	0.38	1.23	0.14	0.51	2.76
R-8	ZCF121-1W-X4-Z-105-10-77	1	0.12	0.43	4.63	0.15	0.58	9.82
R-9	ZCF121-1W-X4-Z-105-10-77	1	0.11	0.41	2.33	0.14	0.53	5.08
R-10	ZCF121-1W-X4-Z-105-10-77	1	0.08	0.32	0.19	0.12	0.43	0.49
R-11	ZCF121-1W-X4-Z-105-10-77	1	0.12	0.43	4.59	0.15	0.58	9.75
R-12	ZCF121-1W-X4-Z-105-10-77	1	0.11	0.42	3.76	0.15	0.55	8.02
R-13	ZCF121-1W-X4-Z-105-10-77	1	0.12	0.43	3.97	0.15	0.58	8.46
R-14	ZCF121-1W-X4-Z-105-10-77	1	0.12	0.43	4.11	0.15	0.58	8.72
R-15	ZCF121-1W-X4-Z-105-10-77	1	0.11	0.41	1.97	0.14	0.53	4.33
R-16	ZCF121-1W-X4-Z-105-10-77	1	0.06	0.23	0.06	0.09	0.33	0.15
R-17	ZCF121-1W-X4-Z-105-10-77	1	0.10	0.39	1.11	0.14	0.51	2.51
R-18	ZCF121-1W-X4-Z-105-10-77	1	0.10	0.38	0.86	0.13	0.50	2.04
R-19	ZCF121-1W-X4-Z-105-10-77	1	0.10	0.38	0.92	0.13	0.50	2.09
R-20	ZCF121-1W-X4-Z-105-10-77	1	0.11	0.41	1.90	0.14	0.53	4.19
R-21	ZCF121-1W-X4-Z-105-10-77	1	0.07	0.28	0.05	0.10	0.37	0.14
R-22	ZCF121-1W-X4-Z-105-10-77	1	0.11	0.42	4.04	0.14	0.50	8.88
R-23	ZCF121-1W-X4-Z-105-10-77	1	0.09	0.34	0.34	0.12	0.45	0.82
R-24	ZCF121-1W-X4-Z-105-10-77	1	0.12	0.43	4.24	0.15	0.55	9.05
R-25	ZCF121-1W-X4-Z-105-10-77	1	0.11	0.41	3.90	0.14	0.53	7.74
R-26	ZCF121-1W-X4-Z-105-10-77	1	0.11	0.40	1.29	0.14	0.52	3.02
R-27	ZCF121-1W-X4-Z-105-10-77	1	0.05	0.20	0.02	0.08	0.30	0.06
R-28	ZCF121-1W-X4-Z-105-10-77	1	0.05	0.20	0.02	0.03	0.30	0.06
R-29	ZCF121-1W-X4-Z-105-10-77	1	0.11	0.79	1.03	0.14	0.55	2.45
TOTAL				12.06	49.36		16.00	107.51

ROOF AREAS R-1 TO R-29 WILL HAVE CONTROLLED ROOF DRAINS WHICH WILL DIRECT RUNOFF TO THE OUTLET VIA THE BUILDINGS INTERNAL PIPES. REFER TO STORM DRAWING (112142-STM) FOR ROOF AREA IDS.



- LEGEND**
- 58.14 → 58.17: PROPOSED ELEVATION
  - 0.0%: EXISTING ELEVATION
  - 0.0%: PROPOSED PERCENT SLOPE GRADE
  - 0.070 / 0.7: DRAINAGE AREA (hectares)
  - 6: DRAINAGE SECTION
  - 0.7: RUN-OFF COEFFICIENT
  - ▲: BUILDING ENTRANCE
  - DC: DEPRESSED CURB
  - : STORM DRAINAGE AREA
  - : PROPOSED SANITARY MH
  - : PROPOSED STORM MH & SEWER
  - CB 1a: PROPOSED PARKING LOT CATCHBASIN & LEAD
  - : PROPOSED PODIUM DRAIN
  - : PROPOSED AREA DRAIN
  - : PROPOSED 100 YEAR STORAGE
  - : PROPOSED 5 YEAR STORAGE
  - : EXISTING SANITARY MH
  - : EXISTING STORM MH & SEWER
  - ✕: EXISTING STORM TO BE REMOVED
  - CB 1: EXISTING CATCHBASIN & LEAD
  - RY CB: EXISTING REAR YARD CATCHBASIN & LEAD
  - : EXISTING EASEMENT
  - : EXISTING LEGAL ADJACENT
  - ▶: DIRECTION OF FLOW (BOTH PROPOSED & EXISTING)

NOTE: THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, 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.

**CLARIDGE HOMES**

CLARIDGE HOMES SUITE 2001, 210 GLADSTONE AVENUE, OTTAWA, ONTARIO K2P 0Y6.

**NOTE:** CONTRACTOR TO CONFIRM ELEVATIONS OF INFRASTRUCTURE IN THE STREET PRIOR TO EXTENDING SERVICES INTO THE SITE AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.

No.	REVISION	DATE	BY
01	ISSUED WITH SITE PLAN APPLICATION	12/07/12	GJM

SCALE

1:400

DESIGN	GJM/JAG	FOR REVIEW ONLY
CHECKED	GJM	
DRAWN	MWC	
CHECKED	JAG	
APPROVED	GJM	

**NOVATECH**

ENGINEERS & PLANNERS CONSULTANTS LTD.

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LOCATION: City of Ottawa, 141 GEORGE STREET

DRAWING NAME: STORM WATER MANAGEMENT PLAN

PROJECT NO: 111142-01

REV # 01

DRAWING NO: 111142-STM