

BUILDING 'A' ROOF DRAIN TABLE: AREA R-1 (ROOF DRAINS A1 to A24)						
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)	3/4 EXPOSED	1.26 L/s	11 cm	1.34 L/s	13 cm
R-1	RD 2 (RD-100-A-ADJ)	FULLY EXPOSED	1.34 L/s	11 cm	1.89 L/s	15 cm
R-1	RD 3 (RD-100-A-ADJ)	3/4 EXPOSED	0.87 L/s	11 cm	1.34 L/s	14 cm
R-1	RD 4 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.58 L/s	14 cm
R-1	RD 5 (RD-100-A-ADJ)	3/4 EXPOSED	0.87 L/s	11 cm	1.34 L/s	14 cm
R-1	RD 6 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.58 L/s	14 cm
R-1	RD 7 (RD-100-A-ADJ)	3/4 EXPOSED	0.87 L/s	11 cm	1.34 L/s	14 cm
R-1	RD 8 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.58 L/s	14 cm
R-1	RD 9 (RD-100-A-ADJ)	3/4 EXPOSED	0.87 L/s	11 cm	1.34 L/s	14 cm
R-1	RD 10 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.58 L/s	14 cm
R-1	RD 11 (RD-100-A-ADJ)	3/4 EXPOSED	0.87 L/s	11 cm	1.34 L/s	14 cm
R-1	RD 12 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.58 L/s	14 cm
R-1	RD 13 (RD-100-A-ADJ)	FULLY EXPOSED	1.34 L/s	11 cm	1.89 L/s	15 cm
R-1	RD 14 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-1	RD 15 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-1	RD 16 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-1	RD 17 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-1	RD 18 (RD-100-A-ADJ)	FULLY EXPOSED	1.34 L/s	11 cm	1.89 L/s	14 cm
R-1	RD 19 (RD-100-A-ADJ)	FULLY EXPOSED	1.34 L/s	11 cm	1.89 L/s	14 cm
R-1	RD 20 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-1	RD 21 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-1	RD 22 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-1	RD 23 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-1	RD 24 (RD-100-A-ADJ)	FULLY EXPOSED	1.34 L/s	11 cm	1.89 L/s	14 cm

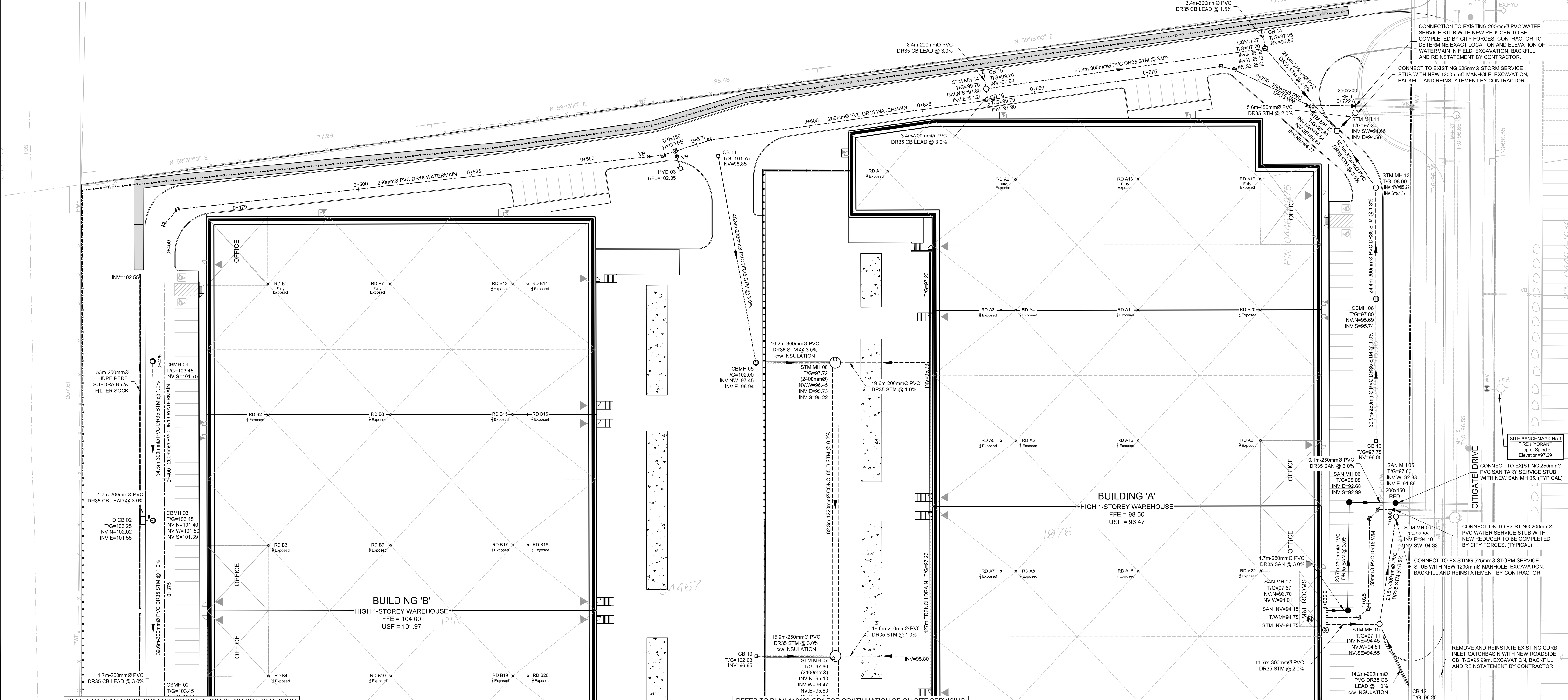
BUILDING 'B' ROOF DRAIN TABLE: AREA R-2 (ROOF DRAINS B1 to B24)						
AREA ID	ROOF DRAIN NO. (WATTS MODEL)	ROOF DRAIN OPENING SETTING	1.5 YEAR RELEASE RATE	APPROX. 5-YR PONDING DEPTH	1-100 YEAR RELEASE RATE	APPROX. 100-YR PONDING DEPTH
R-2	RD 1 (RD-100-A-ADJ)	FULLY EXPOSED	1.34 L/s	11 cm	1.89 L/s	14 cm
R-2	RD 2 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-2	RD 3 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-2	RD 4 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-2	RD 5 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-2	RD 6 (RD-100-A-ADJ)	FULLY EXPOSED	1.34 L/s	11 cm	1.89 L/s	14 cm
R-2	RD 7 (RD-100-A-ADJ)	FULLY EXPOSED	1.34 L/s	11 cm	1.89 L/s	14 cm
R-2	RD 8 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-2	RD 9 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-2	RD 10 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-2	RD 11 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	11 cm	1.58 L/s	15 cm
R-2	RD 12 (RD-100-A-ADJ)	FULLY EXPOSED	1.34 L/s	11 cm	1.89 L/s	14 cm
R-2	RD 13 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.58 L/s	14 cm
R-2	RD 14 (RD-100-A-ADJ)	3/4 EXPOSED	0.87 L/s	11 cm	1.34 L/s	14 cm
R-2	RD 15 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.58 L/s	14 cm
R-2	RD 16 (RD-100-A-ADJ)	3/4 EXPOSED	0.87 L/s	11 cm	1.34 L/s	14 cm
R-2	RD 17 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.58 L/s	14 cm
R-2	RD 18 (RD-100-A-ADJ)	3/4 EXPOSED	0.87 L/s	11 cm	1.34 L/s	14 cm
R-2	RD 19 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.58 L/s	14 cm
R-2	RD 20 (RD-100-A-ADJ)	3/4 EXPOSED	0.87 L/s	11 cm	1.34 L/s	14 cm
R-2	RD 21 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.58 L/s	14 cm
R-2	RD 22 (RD-100-A-ADJ)	3/4 EXPOSED	0.87 L/s	11 cm	1.34 L/s	14 cm
R-2	RD 23 (RD-100-A-ADJ)	FULLY EXPOSED	1.34 L/s	11 cm	1.89 L/s	15 cm
R-2	RD 24 (RD-100-A-ADJ)	FULLY EXPOSED	1.34 L/s	11 cm	1.58 L/s	13 cm

CRITICAL SEWER PIPE CROSSING TABLE				
CROSSING	LOWER PIPE	HIGHER PIPE	CLEARANCE	SURFACE ELEVATION
Ⓐ	150mmØ TWM#95.80	250mmØ SAN INV#96.53	± 0.7m	98.30 m
Ⓑ	375mmØ STM OBV#96.45	150mmØ U/S WM#95.75	± 0.3m	98.30 m
Ⓒ	375mmØ STM OBV#96.27	250mmØ SAN INV#97.75	± 1.5m	99.93 m
Ⓓ	375mmØ STM OBV#96.32	150mmØ U/S WM#97.28	± 1.0m	100.03 m
Ⓔ	250mmØ TWM#94.50	375mmØ STM MH#94.50	± 0.5m	97.68 m

THIS PLAN IS TO BE READ IN CONJUNCTION WITH CIVIL PLANS 119123-NLD1&2 AND 119123-GR1&2

\* REFER TO THE 'DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT' (R-2023-069) PREPARED BY NOVATECH FOR DRAINAGE AREA IDENTIFIERS AND STORMWATER MANAGEMENT DETAILS.  
 \*\* ALL CONTROLLED FLOW ROOF DRAINS FOR THE PROPOSED BUILDINGS TO BE WATTS 'ADJUSTABLE ACCUTROL' ROOF DRAINS.

\* REFER TO THE 'DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT' (R-2023-069) PREPARED BY NOVATECH FOR DRAINAGE AREA IDENTIFIERS AND STORMWATER MANAGEMENT DETAILS.  
 \*\* ALL CONTROLLED FLOW ROOF DRAINS FOR THE PROPOSED BUILDINGS TO BE WATTS 'ADJUSTABLE ACCUTROL' ROOF DRAINS.



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.

REFER TO PLAN 119123-GP1 FOR CONTINUATION OF ON-SITE SERVICING

REFER TO PLAN 119123-GP1 FOR CONTINUATION OF ON-SITE SERVICING

No.	REVISION	DATE	BY
1	ISSUED FOR CITY OF OTTAWA REVIEW	MAY 3/23	DDB

SCALE: 1:400

DESIGN: SM / BM / DDB  
 CHECKED: DDB  
 DRAWN: SM  
 CHECKED: BM / DDB  
 APPROVED: DDB

FOR REVIEW ONLY

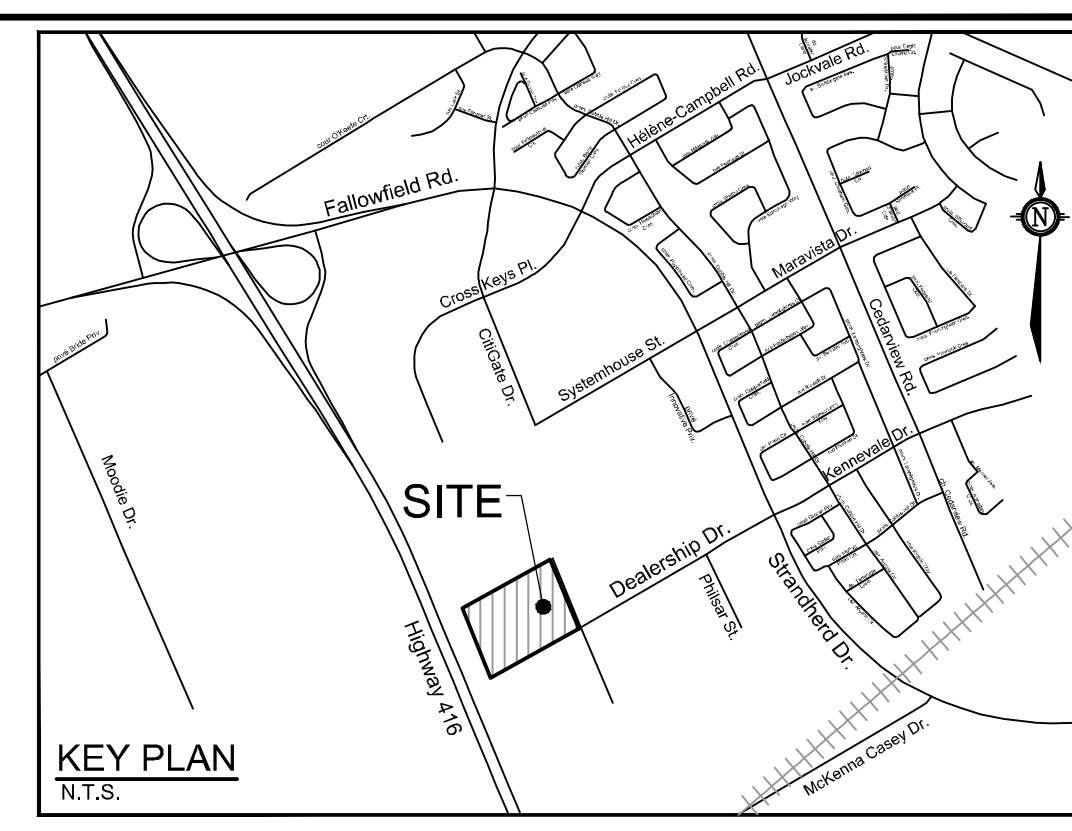
PROFESSIONAL ENGINEER  
 D. D. BLAIR  
 100122737  
 May 3 2023  
 PROVINCE OF ONTARIO

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 Suite 200, 240 Michael Cowland Drive  
 Ottawa, Ontario, Canada K2M 1P6  
 Telephone: (613) 254-9643  
 Facsimile: (613) 254-5867  
 Website: www.novatech-eng.com

LOCATION: CITY OF OTTAWA  
 575 DEALERSHIP DRIVE - PROPOSED WAREHOUSES

DRAWING NAME: GENERAL PLAN OF SERVICES

PROJECT No.: 119123  
 REV #1  
 DRAWING No.: 119123-GP2



PART 3 PLAN AR-31718  
 PIN 04467-1974

PIN 04467 - 0021

PIN 04467-1974

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