BUILDING 'A' ROOF DRAIN TABLE: AREA R-1 (ROOF DRAINS A1 to A36)

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)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 2 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 3 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 4 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 5 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 6 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	13 cm
R-1	RD 7 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 8 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 9 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 10 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 11 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 12 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	13 cm
R-1	RD 13 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm
R-1	RD 14 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 15 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 16 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 17 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 18 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm
R-1	RD 19 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm
R-1	RD 20 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 21 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 22 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 23 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 24 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm
R-1	RD 25 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 26 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 27 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 28 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 29 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 30 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm
R-1	RD 31 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm
R-1	RD 32 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 33 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 34 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 35 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 36 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm

* REFER TO THE 'DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT' (R-2022-209) PREPARED BY NOVATECH FOR DRAINAGE AREA IDENTIFIERS AND STORMWATER MANAGEMENT DETAILS.

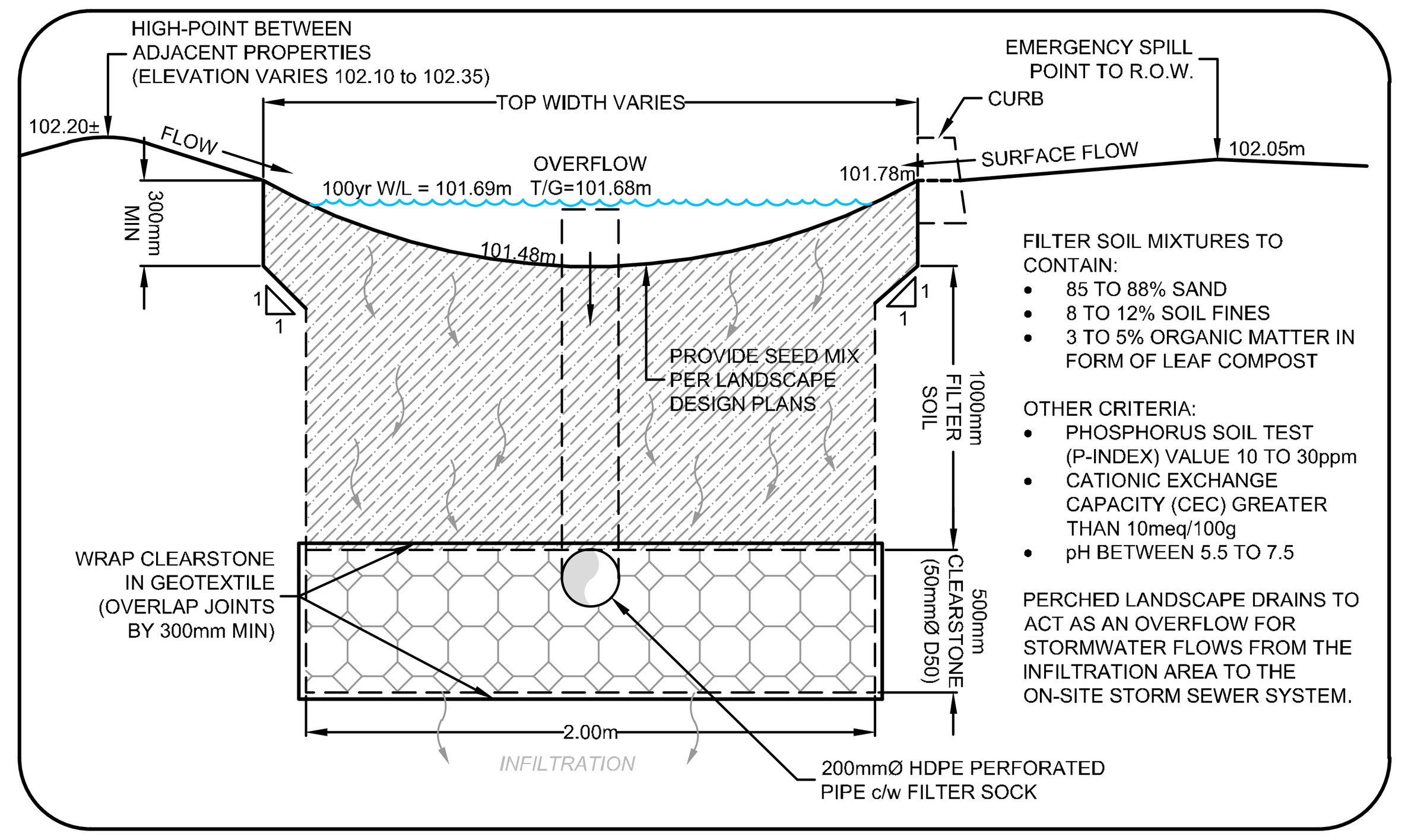
**ALL CONTROLLED FLOW ROOF DRAINS FOR THE PROPOSED BUILDINGS TO BE WATTS 'ADJUSTABLE ACCUTROL' ROOF DRAINS.

BUILDING 'B' ROOF DRAIN TABLE: AREA R-2 (ROOF DRAINS B1 to B42)

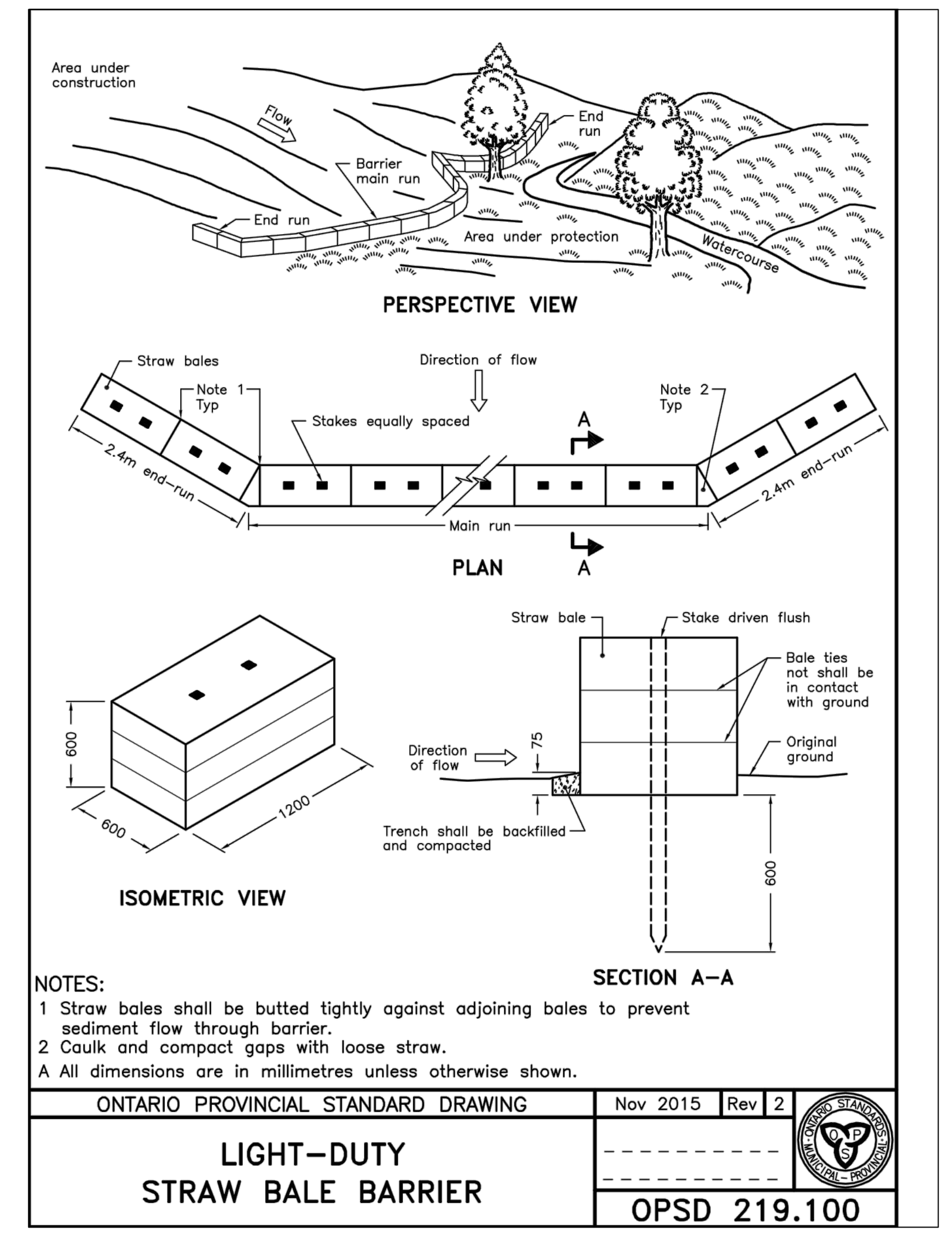
AREA ID *	ROOF DRAIN No. (WATTS MODEL)	ROOF DRAIN OPENING SETTING	1:5 YEAR RELEASE RATE	APPROX. 5-YR PONDING DEPTH	1:100 YEAR RELEASE RATE	APPROX. 100-YR PONDING DEPTH
R-2	RD 1 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 2 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	13 cm
R-2	RD 3 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	13 cm
R-2	RD 4 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	13 cm
R-2	RD 5 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	13 cm
R-2	RD 6 (RD-100-A-ADJ)	FULLY EXPOSED	0.79 L/s	6 cm	0.95 L/s	8 cm
R-2	RD 7 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm
R-2	RD 8 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 9 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 10 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 11 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 12 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm
R-2	RD 13 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm
R-2	RD 14 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 15 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 16 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 17 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 18 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm
R-2	RD 19 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm
R-2	RD 20 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 21 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 22 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 23 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 24 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm
R-2	RD 25 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm
R-2	RD 26 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 27 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 28 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 29 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 30 (RD-100-A-ADJ)	1/2 EXPOSED	1.10 L/s	11 cm	1.26 L/s	15 cm
R-2	RD 31 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 32 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 33 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 34 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 35 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 36 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 37 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 38 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 39 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 40 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 41 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm
R-2	RD 42 (RD-100-A-ADJ)	1/4 EXPOSED	0.87 L/s	11 cm	0.95 L/s	15 cm

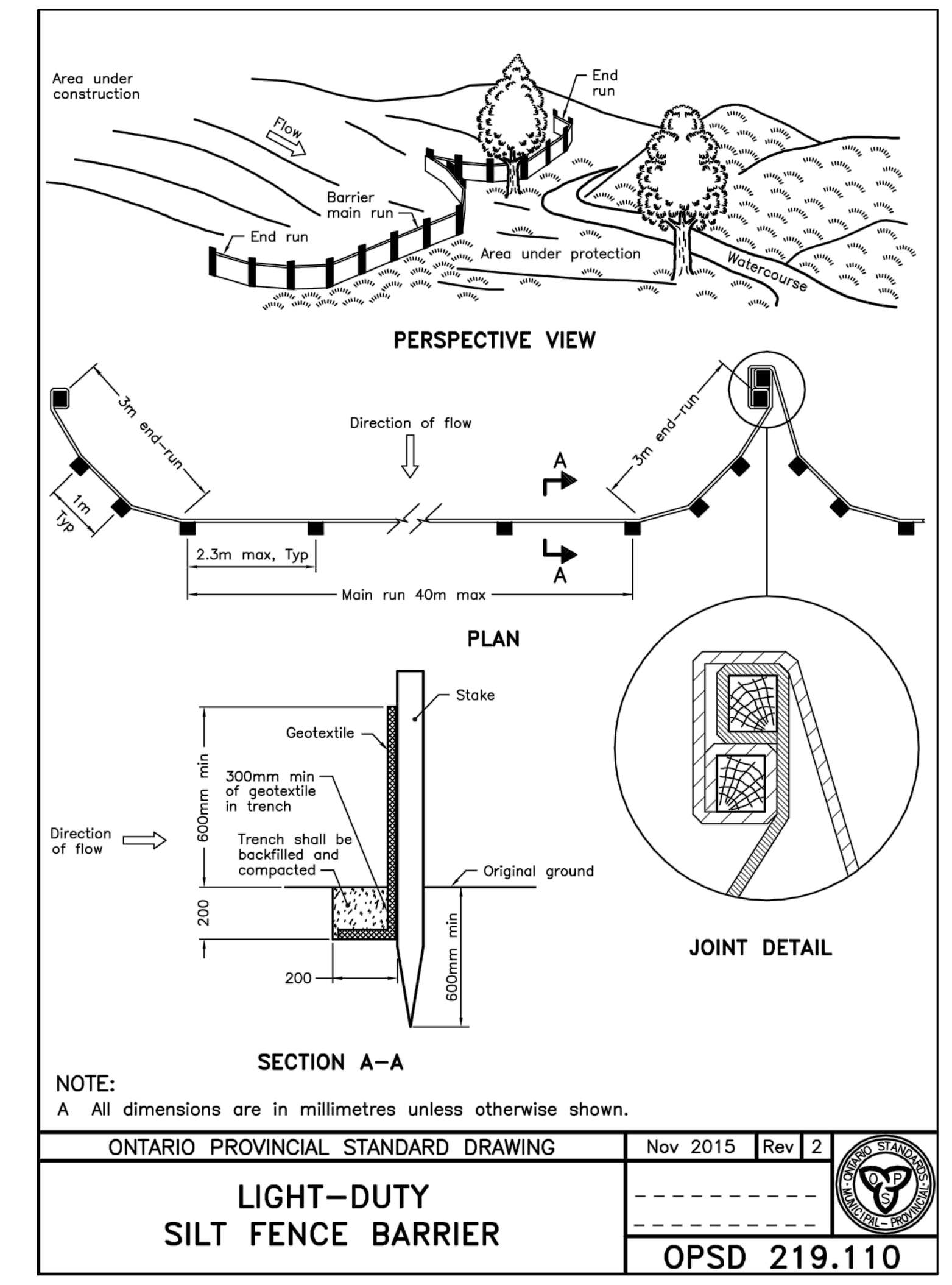
* REFER TO THE 'DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT' (R-2022-209) PREPARED BY NOVATECH FOR DRAINAGE AREA IDENTIFIERS AND STORMWATER MANAGEMENT DETAILS.

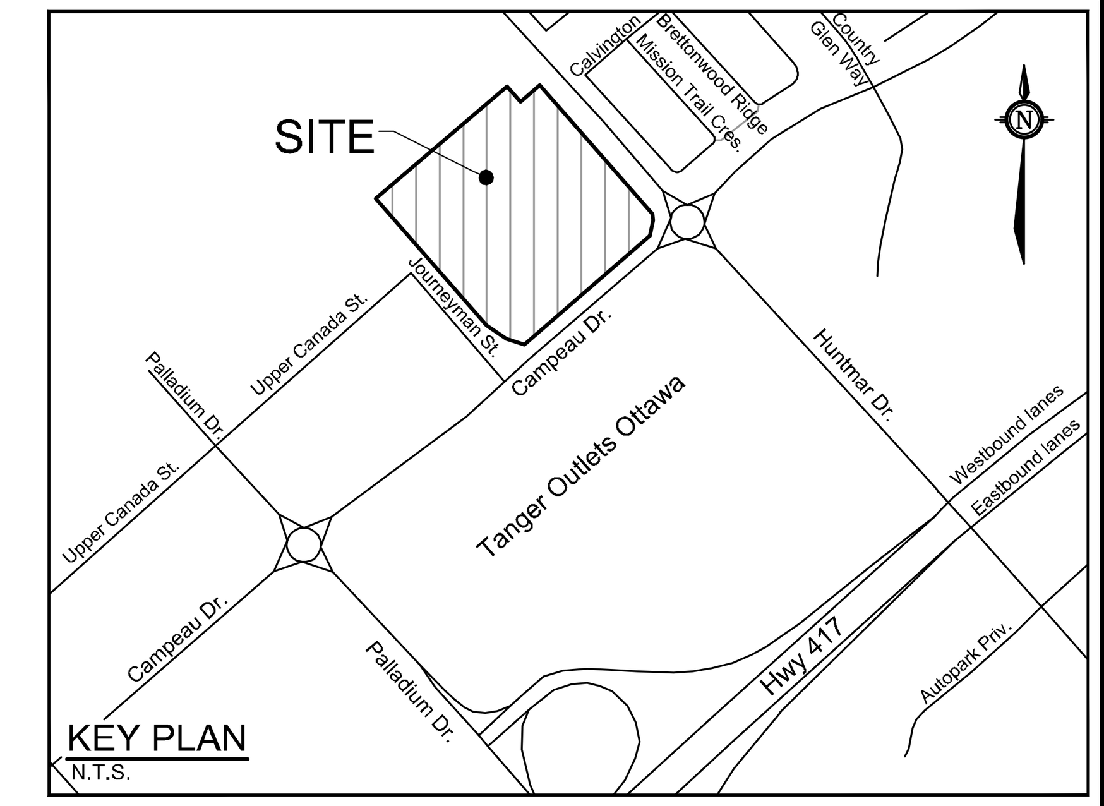
**ALL CONTROLLED FLOW ROOF DRAINS FOR THE PROPOSED BUILDINGS TO BE WATTS 'ADJUSTABLE ACCUTROL' ROOF DRAINS.



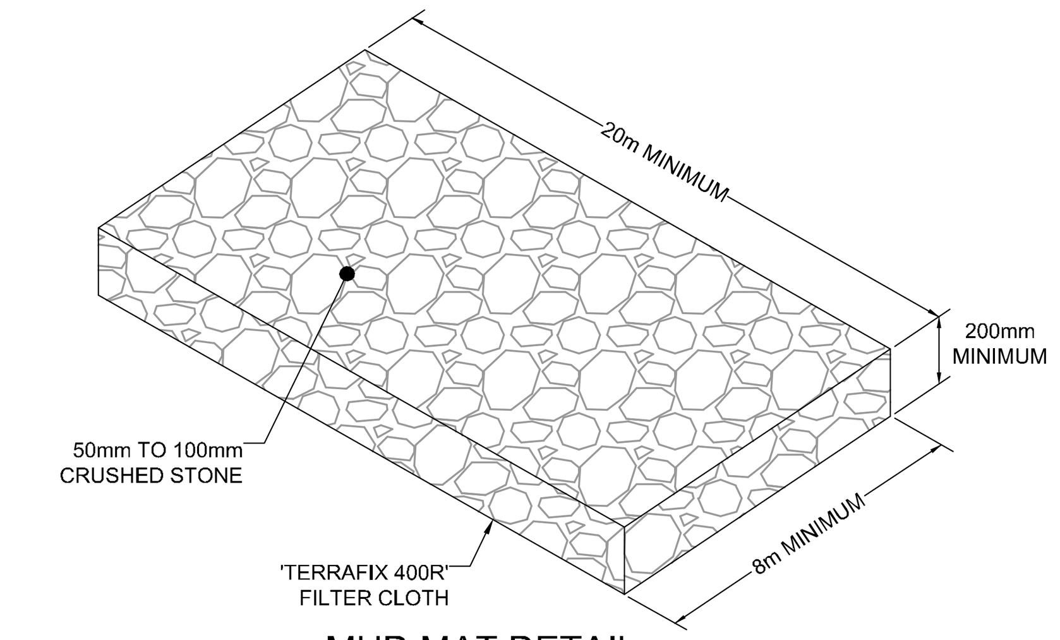
RAIN GARDENS INFILTRATION DETAIL WITH OVERFLOW DRAINS
SCALE 1:25



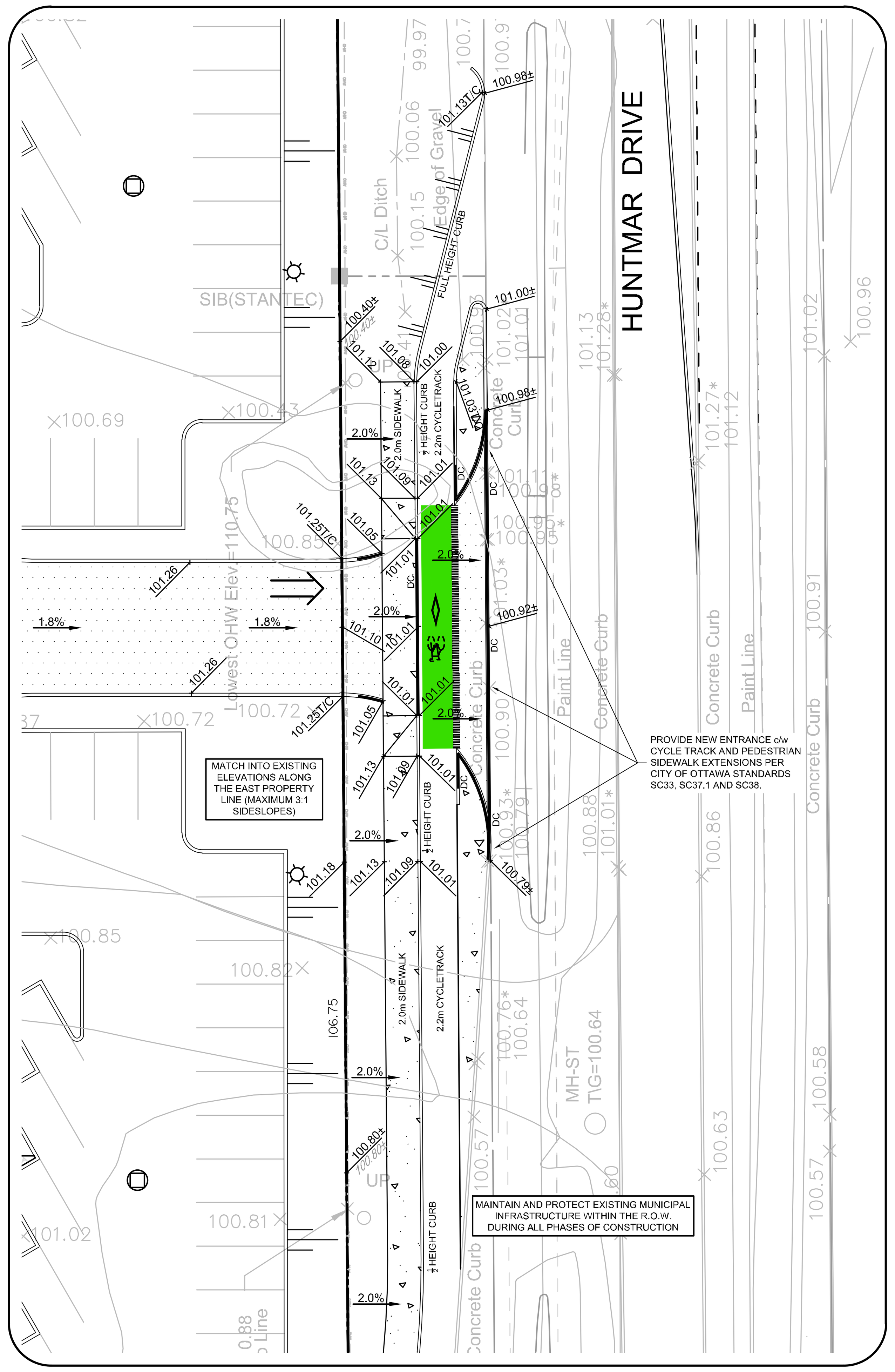




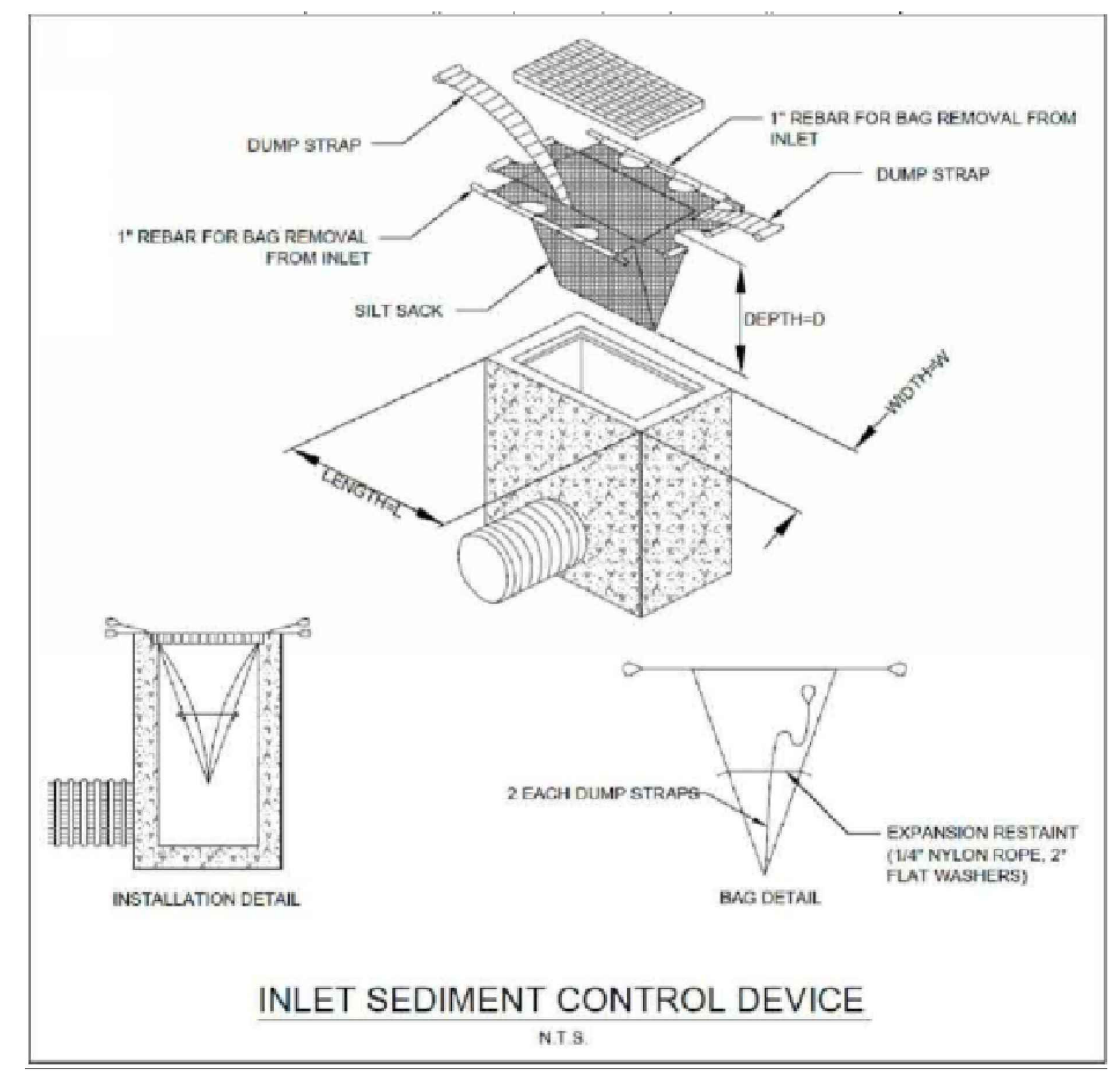
KEY PLAN
N.T.S.



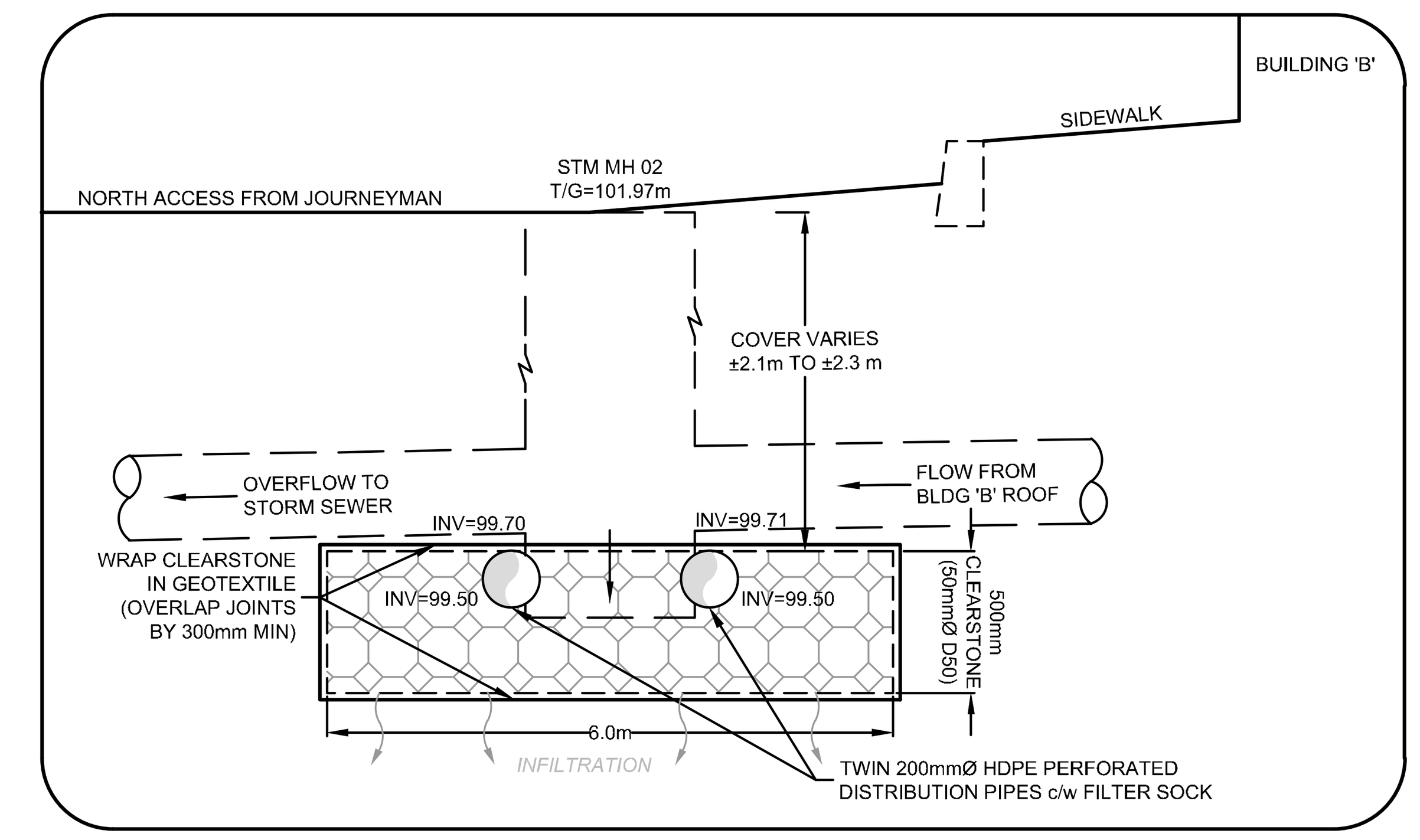
MUD MAT DETAIL
NTS



BUILDING 'A' HUNTMAR SOUTH ACCESS GRADING DETAIL
NOT TO SCALE



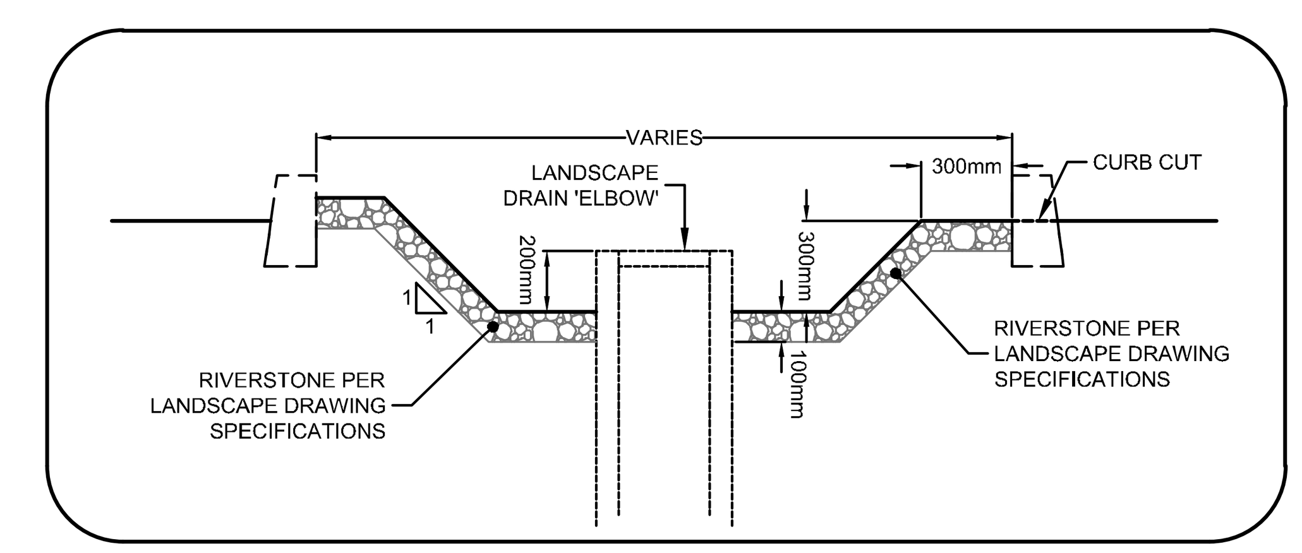
INLET SEDIMENT CONTROL DEVICE
N.T.S.



BUILDING 'B' RAINWATER INFILTRATION GALLERY DETAIL
NOT TO SCALE

Erosion and Sediment Control Responsibilities:

				During Construction			After Construction Prior to Final Acceptance		After Final Acceptance
	ESC Measure	Symbol	Specification	Installation Responsibility	Inspection/Maintenance Responsibility	Inspection Frequency	Approval to Remove	Removal Responsibility	Inspection/Maintenance Responsibility
Temporary Measures	Straw Bale Barrier (Light Duty)		OPSD 219.100	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	N/A
	Silt Fence (Light Duty)		OPSD 219.110	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	N/A
	Filter Bags	Location as Indicated in ESC Note #3	Erosion and Sediment Control Notes	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	N/A
	Mud Mat	MM	Drawing Details	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Developer's Contractor	Developer's Contractor	N/A
	Dust Control	Location as Required Around Site	Erosion and Sediment Control Notes	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Consultant	Developer's Contractor	N/A
	Stabilized Material Stockpiling	Location as Required by Contractor	Erosion and Sediment Control Notes	Developer's Contractor	Developer's Contractor	Weekly (as a minimum)	Developer's Contractor	Developer's Contractor	N/A
	Sediment Basin (for flows being pumped out of excavations)	Location as Required by Contractor	- - -	Developer's Contractor	Developer's Contractor	After Every Rainstorm	Developer's Contractor	Developer's Contractor	N/A



TYPICAL LANDSCAPE DRAINS IN CURBED PARKING ISLANDS
SCALE 1:25

ALL PROJECT NOTES, DETAILS AND SPECIFICATIONS ARE TO MEET THE MOST CURRENT AND AMENDED VERSIONS OF THE CITY OF OTTAWA AND PROVINCIAL STANDARDS

THIS PLAN IS TO BE READ IN CONJUNCTION WITH CIVIL PLANS 122151-GP1&2, 122151-GR1&2 AND 122151-PR1

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.

No.	REVISION	DATE	BY
5	ISSUED FOR SITE PLAN APPROVAL	AUG 4/23	DDB
4	ISSUED FOR BUILDING PERMIT	JUL 14/23	DDB
3	REVISED PER CITY COMMENTS	MAY 31/23	DDB
2	REVISED PER CITY COMMENTS	MAR 30/23	DDB
1	ISSUED FOR CITY OF OTTAWA REVIEW	DEC 16/22	DDB

SCALE: NOT TO SCALE

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

FOR REVIEW ONLY

LICENSED PROFESSIONAL ENGINEER
D. D. BLAIR
100122737
Aug 4 2023
PROVINCE OF ONTARIO

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Website www.novatech-eng.com

LOCATION
CITY of OTTAWA
405 HUNTMAR DRIVE - WAREHOUSE DEVELOPMENT

DRAWING NAME
NOTES, LEGEND AND DETAILS

PROJECT No. 122151
REV: REV # 5
DRAWING No. 122151-NLD2

D07-12-22-0186

#18906