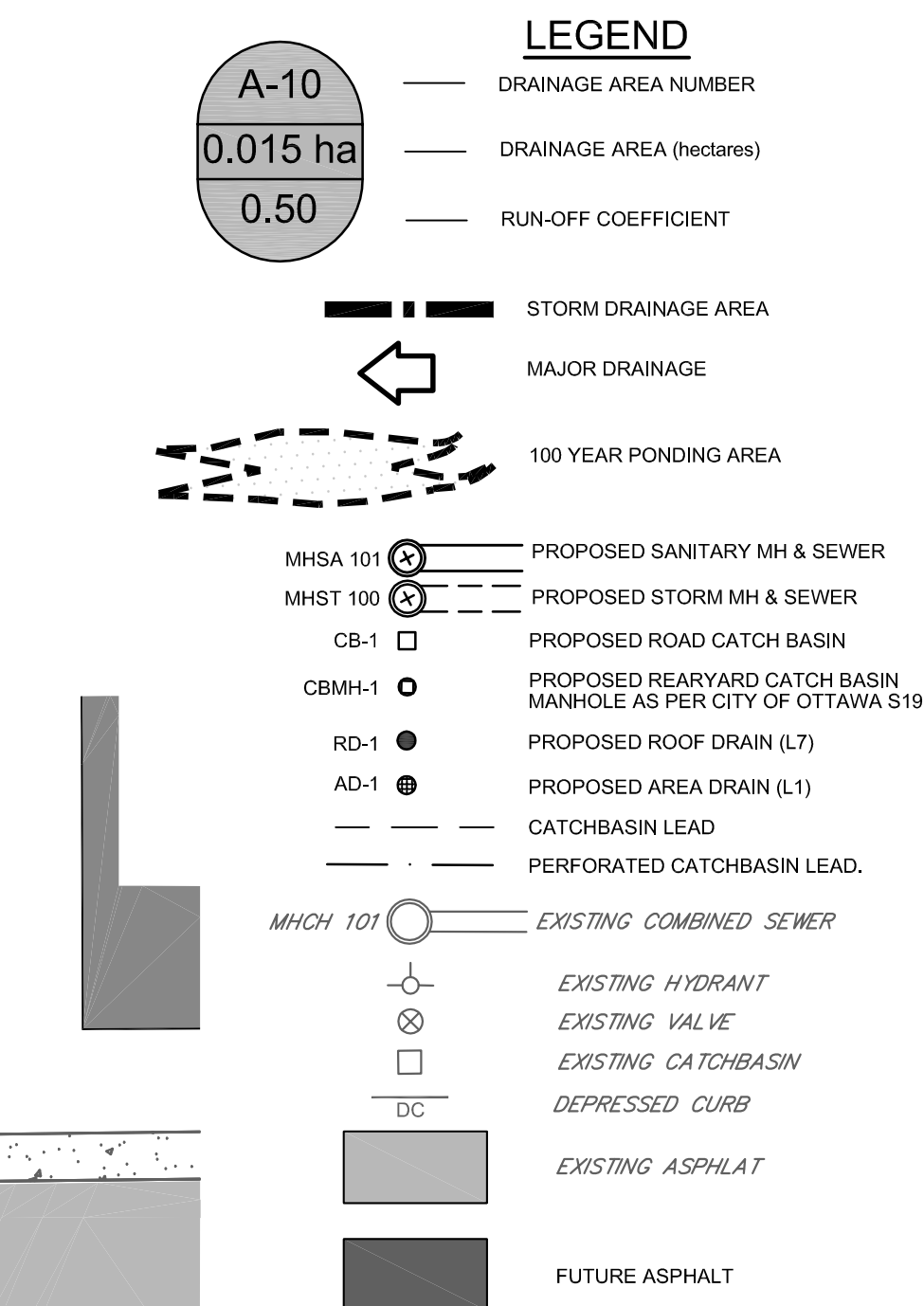




| ROOF AND AREA DRAIN TABLE |                          |         |        |                                         |                                         |                                          |
|---------------------------|--------------------------|---------|--------|-----------------------------------------|-----------------------------------------|------------------------------------------|
| DRAIN ID.                 | ZURN SPECIFICATION       | NOTICES | INVERT | POST-DEVELOPMENT CONTROLLED CONDITIONS  |                                         |                                          |
|                           |                          |         |        | 12 YEAR EVENT<br>FLOW (L/S) (DEPTH) (m) | 15 YEAR EVENT<br>FLOW (L/S) (DEPTH) (m) | 100 YEAR EVENT<br>FLOW (L/S) (DEPTH) (m) |
| RD-1                      | ZCF121-1W-X4-Z-105-10-77 | 1       | N/A    | 0.35<br>0.092                           | 0.35<br>0.106                           | 0.51<br>0.136                            |
| RD-2                      | ZCF121-1W-X4-Z-105-10-77 | 1       | N/A    | 0.31<br>0.082                           | 0.35<br>0.095                           | 0.46<br>0.123                            |
| RD-3                      | ZCF121-1W-X4-Z-105-10-77 | 1       | N/A    | 0.31<br>0.082                           | 0.35<br>0.095                           | 0.46<br>0.123                            |
| RD-4                      | ZCF121-1W-X4-Z-105-10-77 | 1       | N/A    | 0.30<br>0.082                           | 0.35<br>0.094                           | 0.45<br>0.122                            |
| RD-5                      | ZCF121-1W-X4-Z-105-10-77 | 1       | N/A    | 0.34<br>0.091                           | 0.39<br>0.104                           | 0.50<br>0.133                            |
| RD-6                      | ZCF121-1W-X4-Z-105-10-77 | 1       | N/A    | 0.32<br>0.086                           | 0.37<br>0.098                           | 0.47<br>0.127                            |
| RD-7                      | ZCF121-1W-X4-Z-105-10-77 | 1       | N/A    | 0.36<br>0.097                           | 0.41<br>0.110                           | 0.52<br>0.140                            |
| RD-8                      | ZCF121-1W-X4-Z-105-10-77 | 1       | N/A    | 0.40<br>0.106                           | 0.45<br>0.120                           | 0.56<br>0.150                            |
| RD-9                      | ZCF121-1W-X4-Z-105-10-77 | 1       | N/A    | 0.74<br>0.190                           | 0.84<br>0.212                           | 1.06<br>0.265                            |
| AD-1                      | ZCF10H-AD-2NH-95-P-7     | N/A     | 95.60  | 3.92<br>1.00                            | 3.63<br>1.00                            | 3.91<br>1.00                             |

PLEASE NOTE THAT THE LAYOUT OF THE ROOF DRAINS WERE BASED ON PRELIMINARY FLOOR PLANS. ONCE FLOOR PLANS HAVE BEEN FINALIZED, THE LAYOUT AND SIZE OF THE ROOF DRAINS SHOULD BE REVIEWED BY AN ENGINEER TO ENSURE THE COMPONENTS WILL PROVIDE THE REQUIRED LEVEL OF STORAGE AS PER THE SERVICING BRIEF & SWM REPORT.  
NOVATECH OCTOBER 31, 2017

# PRELIMINARY

LOCATION  
CITY OF OTTAWA  
115 ECHO DRIVE

DRAWING NAME  
STORM DRAINAGE PLAN

|             |
|-------------|
| PROJECT No. |
|-------------|

REV

DRAWING No.

115105-STM

NOVATECH

Engineers, Planners & Landscape Architects  
Suite 200, 240 Michael Cowpland Drive  
Ottawa, Ontario, Canada K2M 1P6

Telephone (613) 254-9643  
Facsimile (613) 254-5863  
Website [www.novatech-eng.com](http://www.novatech-eng.com)

**FOR REVIEW ONLY**



DESIGN

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APPROVED

SCALE

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| 4 | ISSUED FOR SITE PLAN CONTROL |
|---|------------------------------|

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|----|-------------------------------|
| 3. | REISSUED FOR OPA AND REZONING |
|----|-------------------------------|

|    |                             |
|----|-----------------------------|
| 2. | ISSUED FOR OPA AND REZONING |
|----|-----------------------------|

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| 1. | ISSUED FOR COORDINATION |
|    |                         |

|     |         |
|-----|---------|
| No. | REVISIO |
|-----|---------|

**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.