



LEGEND

- PONDING AREA
- PONDING VOLUME (m³)
- PONDING AREA NUMBER
- PONDING AREA (1:100 yd) (m²)
- WATER LEVEL ELEVATION (MAX PONDING)
- PONDING DEPTH (m)
- AREA IN HECTARES
- RUNOFF COEFFICIENT
- TRIBUTARY PIPE REACH
- DRAINAGE BOUNDARY
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN (w/ ICD AND CB No.)
- PROPOSED CATCH BASIN MAINTENANCE HOLE
- PROPOSED CATCH BASIN & LEAD
- PROPOSED STORM SEWER & MANHOLE
- WATER QUALITY UNIT
- EXISTING STORM SEWER & MANHOLE
- MAJOR OVERLAND FLOW DIRECTION (1:100 YR)
- DEPRESSED CURB

No.	ISSUE / REVISION	DDMMYY
1	ISSUED FOR SITE PLAN CONTROL	05/10/2017

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VERIFY SHEET SIZE AND SCALES. BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING.

SCALE: 1:300

CLIENT:

CONSULTANT: www.jrichards.ca

J.L. Richards
ENGINEERS · ARCHITECTS · PLANNERS

CONSULTANT:

PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:

SELF STORAGE FACILITY

851 INDUSTRIAL AVE.

DRAWING:

PONDING PLAN

DESIGN: JW
DRAWN: CJM
CHECKED: KF
JLR #: 27296-002.1

DRAWING #:

SWM

ROOF DRAIN TABLE

BUILDING	ROOF DRAIN	WEIR OPENING	MAX PONDING DEPTH (mm)	ROOF DRAIN TYPE	RELEASE RATE (L/S)
PROPOSED D/M ON BLDG	R01	FULLY EXPOSED	152	WATTS ADJUSTABLE CONTROL WEIR	1.89
	R02	FULLY EXPOSED	152	WATTS ADJUSTABLE CONTROL WEIR	1.89
	R03	FULLY EXPOSED	152	WATTS ADJUSTABLE CONTROL WEIR	1.89
TOTAL FLOW RATE =					5.67

ICD TABLE

ICD #	OUTLET PIPE DIA. (mm)	Qr (L/s)	OUTLET INVERT (m)	TOP OF GRATE (m)	MAX PONDING (m)	DESIGN HEAD (m)	HYDROVEK MODEL #
ED1-CB2	250	41.43	70.91	72.80	73.00	2.09	200 VHW-2
ED2-CB3	200	20.00	70.91	72.50	72.60	2.09	125 VHW-2
ED3-CB4	200	38.00	70.87	71.96	72.15	1.48	200 VHW-2
ED4-CBMH1	300	10.00	70.80	72.66	72.95	2.15	100 VHW-1

