KEY

SURFACE WATER FLOW EXCEEDANCE ROUTE

LOCATION OF POTENTIAL FLOODING DUE TO EXCEEDANCE OR DRAIN FAILURE

SITE BOUNDARY

FLOW PATHS OF SURFACE WATER WHEN STORAGE VOLUME AND OVERFLOW STORAGE ARE EXCEEDED

AREA OF ADDITIONAL SURFACE WATER STORAGE IN EVENT OF PROBLEMS WITH DRAINAGE OR STORM RETURN PERIOD EXCEEDED

NOTES

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THIS DRAWING INDICATES THE LIKELY FLOW ROUTES ACROSS THE SITE IN THE UNLIKELY EVENT THAT THE SURFACE WATER DRAINAGE SYSTEM BECAME BLOCKED AND THE WATER WAS TEMPORARILY UNABLE TO OUTFLOW FROM THE SITE. THE SURFACE WATER DRAINAGE SYSTEM AND ATTENUATION POND WOULD NEED TO BE FULL FOR THIS TO OCCUR THEREFORE THIS IS A WORST CASE SCENARIO.

NO FLOODING OCCURS FOR 1 IN 100YR DESIGN STORM PLUS 40% CLIMATE CHANGE. THE AREA SHOWN FOR ADDITIONAL SURFACE WATER STORAGE AT GROUND LEVEL INDICATES WHERE THE SURFACE WATER WILL TEMPORARILY POND FOR AN EXTREME EVENT IN EXCESS OF THE DESIGN OR FOR FAILURE WITHIN THE DRAINAGE NETWORK WITHIN THE SITE. THIS STORAGE IS ADDITIONAL TO THE CALCULATED VOLUME. IN THE EVENT OF PROBLEMS WITH THE DRAINAGE SYSTEM THIS SURFACE PONDING SHOULD HIGHLIGHT TO THE OCCUPIERS OF THE HOUSES THAT THERE IS A PROBLEM WITHIN THE DRAINAGE SYSTEM THAT NEEDS TO BE ADDRESSED.

THE ROUTES OF THESE POTENTIAL OVERLAND FLOWS CURRENTLY EXIST ON THE SITE AND HAVE NOT BEEN SUBSTANTIALLY ALTERED BY THE NEW DEVELOPMENT.

REV	DATE	AMENDMENT	BY

STATUS

PRELIMINARY

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CLIENT

MOUNT PLEASANT HOUSING LTD

PROJECT

TURNERS PASTURE
CHEADLE

TITLE

SURFACE WATER DRAINAGE EXCEEDANCE PLAN

DATE	DRAWN		
NOVEMBER 2024	SSD		
SCALE	SIZE	CHECKED	APPROVED
1:200	A1	KW	KW

DRAWING NUMBER	REVISION
1983-005	-