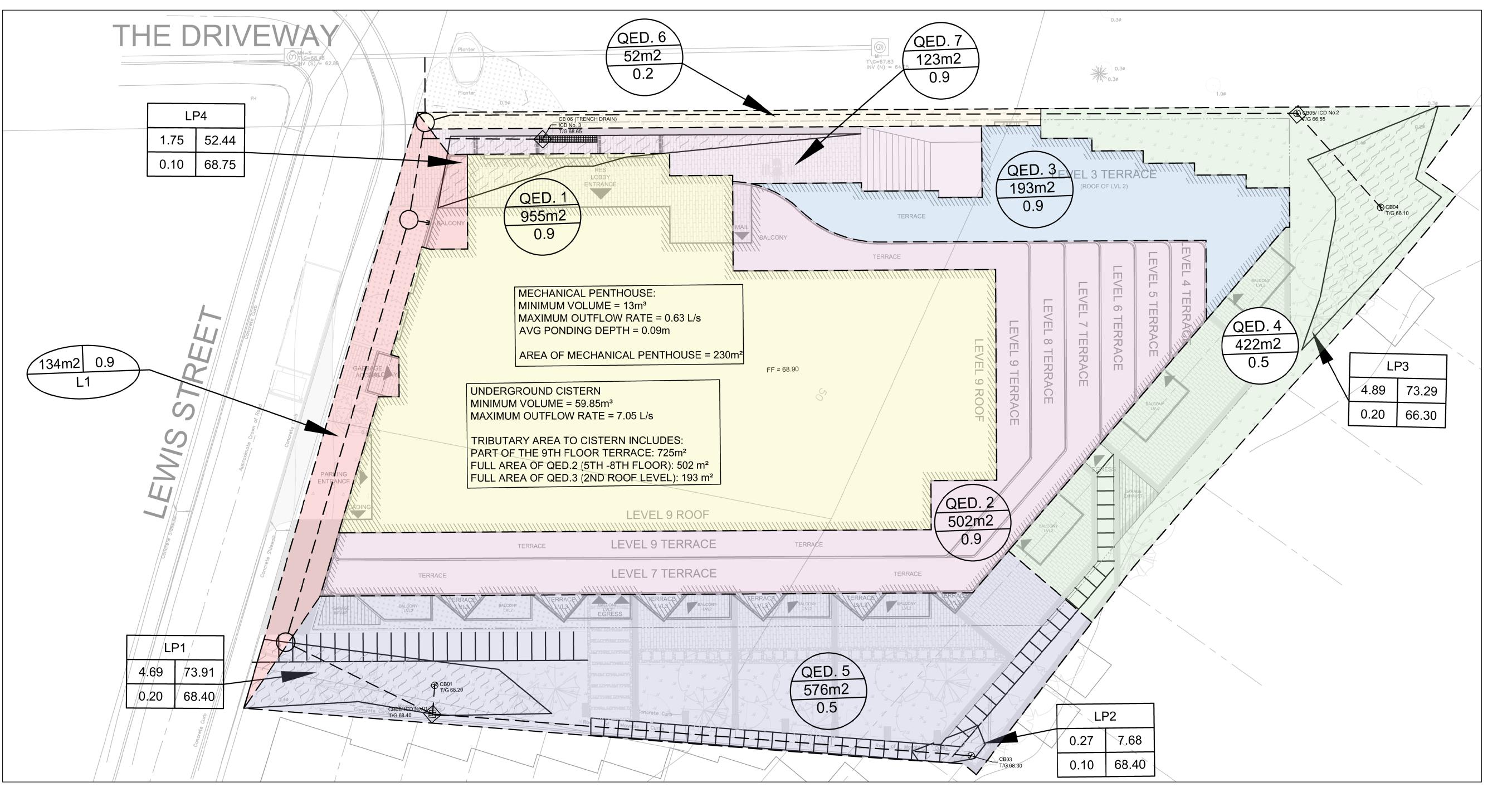


PONDING AREA TABLE											STORMWATER MANAGEMENT REQUIREMENTS:	
AREA ID.	OUTLET	ICD FLOW (L/s)	UNCONTROLLED FLOW (L/s)	MAXIMUM STATIC PONDING DEPTH (m)	MAXIMUM STATION (m)	MAXIMUM STATIC PONDING VOLUME (m³)	MAXIMUM STATIC PONDING AREA (m²)	MAX. 100 YR PONDING DEPTH (ABOVE CB T/G)	100 YR HGL (m) OR 1:100 YR FLOW DEPTH (m)	CLIMATE CHANGE EVENT ELEVATION (m)	PRE-DEVELOPMENT PEAK FLOWS (ALLOWABLE) TO BE SET BASED ON THE EXISTING RUNOFF COEFFICIENTS AND NOT TO EXCEED A C=0.40. THE ALLOWABLE PEAK FLOWED TO BE CALCULATED BASED ON THE 1:5 YEAR INTENSITY IN ACCORDANCE WITH AN EMAIL FROM THE CITY AND THE CALCULATED TIME OF CONCENTRATION.	
QED.5	QED	F 7	NI/A	0.20 (LP1)	68.40	4.69 (LP1)	73.91 (LP1)	0.13	60.05	68.41	TO LIMIT PCST-DEVELOPMENT FLOWS TO THE ALLOWABLE PEAK FLOWS, THE FOLLOWING IS PROPOSED: 1. THREE (3) GF THE CATCH BASINS TO BE EQUIPPED WITH INLET CONTROL DEVICES (ICDs), WHICH IS COMBINED WITH ON-SITE STORAGE AT FOUR (4) LOCATIONS. REFER TO DRAWING BELOW AND PONDING AREA TABLE FOR MORE INFORMATION. 2. ROOFTOP RESTRICTION AND STORAGE IS PROPOSED ON TOP OF THE MECHANICAL PENTHOUSE AS PER DRAWING AND PONDING AREA TABLE. PRELIMINARY PONDING DEPTH IS PROVIDED, TO BE REVISED BASED ON ROOFTOP DESIGN.	
LP1 (CB02/ICD1) & LP2 (CB03)	QED	5.7	N/A	0.10 (LP2)	68.40	0.27 (LP2)	7.68 (LP2)		68.35			
QED.4	QED	2.0	N/A	0.20	66.30	2.81	73.29	0.17	60.07	68.31		
LP3 (CB05/ICD2)	QED	3.0				1.26			68.27			
QED. 7		2		0.10 (LP4)	68.75	1.75 (LP4)	52.44 (LP4)	0.02				
LP4	QED					0.64			68.67	68.73		
(CB06/ICD3)												
QED. 6	QED		0.52	0.01	0.01	N/A	N/A	0.01	0.01	0.01	3. UNDERGROUND CISTERN IS PROPOSED AS PER THE DETAILS SHOWN IN THE	
PENTHOUSE (PART QED.1)	QED	0.63		0.15	N/A	20.7	N/A	0.15	N/A	N/A	DRAWING AND THE PONDING AREA TABLE. THE CISTERN TO BE SIZED TO ACCOMMODATE PART OF QED. 1 (LOWER TERRACE), AS WELL AS AREAS QE	
CISTERN											AND QED.3	
QED.1 (PART), QED. 2 & QED.3	QED	7.05		N/A	N/A	59.85	N/A	N/A	N/A	N/A		
L1	LEWIS	5.99		0.01	0.01	N/A	N/A	0.01	0.01	0.01		

ICD TABLE										
ICD ID.	SEWER T/G ELEV (m)		PONDING ELEV (m)	HEAD (m)	100-YEAR RESTRICTED FLOW (L/s)	ICD TYPE				
CB02/ICD1	66.45	68.40	68.40	1.45	5.7	HYDROVEX 75-VH-1				
CB05/ICD2	64.36	66.55	66.30	1.20	3.0	HYDROVEX 50-VH-1				
CB06/ICD3	68.25	68.65	68.75	0.5	2.0	HYDROVEX 50-VH-2				

PRE-DEVELOPMENT DRAINAGE PLAN - SCALE 1:300

POST-DEVELOPMENT DRAINAGE PLAN - SCALE 1:150



DRAINAGE AREA TO LEWIS STREET PRE-DEVELOPMENT PEAK FLOWS (ALLOWABLE) TO BE SET BASED ON THE EXISTING RUNOFF COEFFICIENTS AND NOT TO EXCEED A C=0.40. THE ALLOWABLE PEAK FLOWS TO BE CALCULATED BASED ON THE 1:5 YEAR INTENSITY IN ACCORDANCE WITH AN DRAINAGE AREA TO QUEEN ELIZABETH WAY DRAINAGE AREA NUMBER AND OUTLET ■ AREA IN SQUARE METERS POST DRAINAGE BOUNDARY 3. UNDERGROUND CISTERN IS PROPOSED AS PER THE DETAILS SHOWN IN THE PONDING - MAX. PONDING VOLUME (m³) ACCOMMODATE PART OF QED. 1 (LOWER TERRACE), AS WELL AS AREAS QED.2 LP3 ------ AREA ID — MAX. PONDING AREA (m²) 4.89 73.29 — MAX. WATER LEVEL (m) (STATIC) — PONDING DEPTH (m) (STATIC) MAX. WATER LEVEL (STATIC) CONCRETE SURFACE GRASS SURFACE INTERLOCK PATHWAY BUILDING OUTLINE EXISTING BUILDING OUTLINE UNDERGROUND PARKING LIMITS LANDSCAPE POT CATCHBASIN WITH ICD LANDSCAPE POT WITH ICD ISSUED FOR SITE PLAN SUBMISSION ISSUE / REVISION Main + Main 50 THE DRIVEWAY DRAINAGE AND STORMWATER MANAGEMENT PLAN CHECKED: GF DST JLR #: 31333-000

