

KEY

- SITE BOUNDARY
- - - EXISTING PUBLIC FOUL WATER SEWER
- - - EXISTING PUBLIC SURFACE WATER SEWER
- PROPOSED DETENTION BASIN WITH PERMANENT WATER LEVEL
- PROPOSED POROUS PAVING
- PROPOSED SURFACE WATER PIPE RUN
- PROPOSED SURFACE WATER INSPECTION CHAMBER
- PROPOSED SURFACE WATER MANHOLE
- - - PROPOSED FOUL WATER PIPE RUN
- PROPOSED FOUL WATER MANHOLE
- PROPOSED FOUL WATER INSPECTION CHAMBER
- - - PROPOSED FOUL WATER DRAINAGE FOR FUTURE PHASES
- - - PROPOSED SURFACE WATER DRAINAGE FOR FUTURE PHASES
- PROPOSED MODULAR STORAGE TANK
- PROPOSED GREEN ROOF
- PROPOSED GRANULAR STORAGE AREA TO COURTYARDS
- PROPOSED PERFORATED PIPE WITHIN COURTYARD STORAGE
- PROPOSED RAIN GARDEN - PRIMARY TREATMENT FOR HIGHWAY RUNOFF

THIS IS AN INDICATIVE DRAINAGE & LEVELS STRATEGY AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES. DRAINAGE PROPOSALS ARE SUBJECT TO DETAILED DESIGN. THE ACTUAL POSITION AND DETAILS OF ANY EXISTING SERVICES ARE SUBJECT TO A DETAILED SURVEY.

Rev	Description	Date	Drawn	Checked	App'd
Project ROYAL BRUNSWICK PARK - NEW SOUTHGATE					
Drawing Description DRAINAGE STRATEGY - PHASE 1 ONLY					
Project Number ST-3013		Drawing Number 500			
Scale 1:500@A1	Date 04.05.21	Drawn TJW	Checked SB	Approved NJM	
Client		Architect			

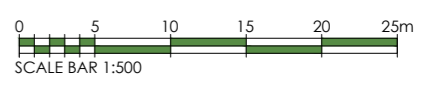
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ATTENUATION POND
BED LEVEL - 47.800m AOD
NORMAL WATER LEVEL - 48.800
TOP WATER LEVEL - 49.826m AOD
BANK LEVEL - 50.100m AOD
STORAGE VOLUME - 1298m³

COMPLEX FLOW CONTROL CHAMBER
LIMITING FLOWS LEAVING THE SITE TO THE EQUIVALENT GREENFIELD RUNOFF RATES AS FOLLOWS (WHOLE SITE):-
2y - 61.2 litres/second
30y+10% - 149.1 litres/second
100y+40% - 216.9 litres/second

(PHASE 1 ONLY)
2y - 19.4 litres/second
30y+10% - 42.2 litres/second
100y+40% - 69.7 litres/second

OUTFLOW RATES TO BE ADJUSTED AS EACH PHASE COMES ON LINE SO THAT THE EXISTING GREENFIELD RATE IS NOT EXCEEDED. FLOW CONTROL TO BE ADJUSTED ACCORDINGLY

CONNECTION TO DIVERTED PUBLIC SURFACE WATER SEWER

CONNECTION TO EXISTING PUBLIC FOUL WATER SEWER WITHIN EXISTING HIGHWAY. SUBJECT TO TWU APPROVAL

UPGRADE WORKS TO EXISTING PUBLIC FOUL WATER SEWER MAY BE REQUIRED. TWU TO CONFIRM