KEY						
	CATCHMENT - UPPER ROOF DIRECTED TO TANKS (140 REQD BASIX)	270M2				
$\bigcirc$	CATCHMENT - UPPER & LOWER LEVEL TERRACES. LODGER 2 TERRACE ROOF, PATHS AND CONCRETE DRIVEWAY	80M2				
$\bigcirc$	CATCHMENT - GRASSPAVE - EXCESS RUN-OFF DIRECTED TO STREET & PITS	85M2				
$\bigcap$	WATER TANKS	20KL				

## **STORMWATER STRATEGY**

BOOF WATER RETENTION

NOOL WATER HETENTION.
ROOF WATER FROM UPPER ROOF DIRECTED TO UNDER FLOOR TANK (TANK 1), GARDEN TANK (TANK 2)
AND FRONT TANK (TANK 3) . OVERFLOW TO DETENTION AN STREET

**RETENTION - RAINWATER USE:** AS A BASIX REQUIREMENT 11KL FOR GARDEN USE ONLY.

20.5KL

DETENTION (OSD) 9KL OF TANK SPACE ALLOCATED FOR ON SITE DETENTION - RELEASED TO STREET

HARDSCAPE

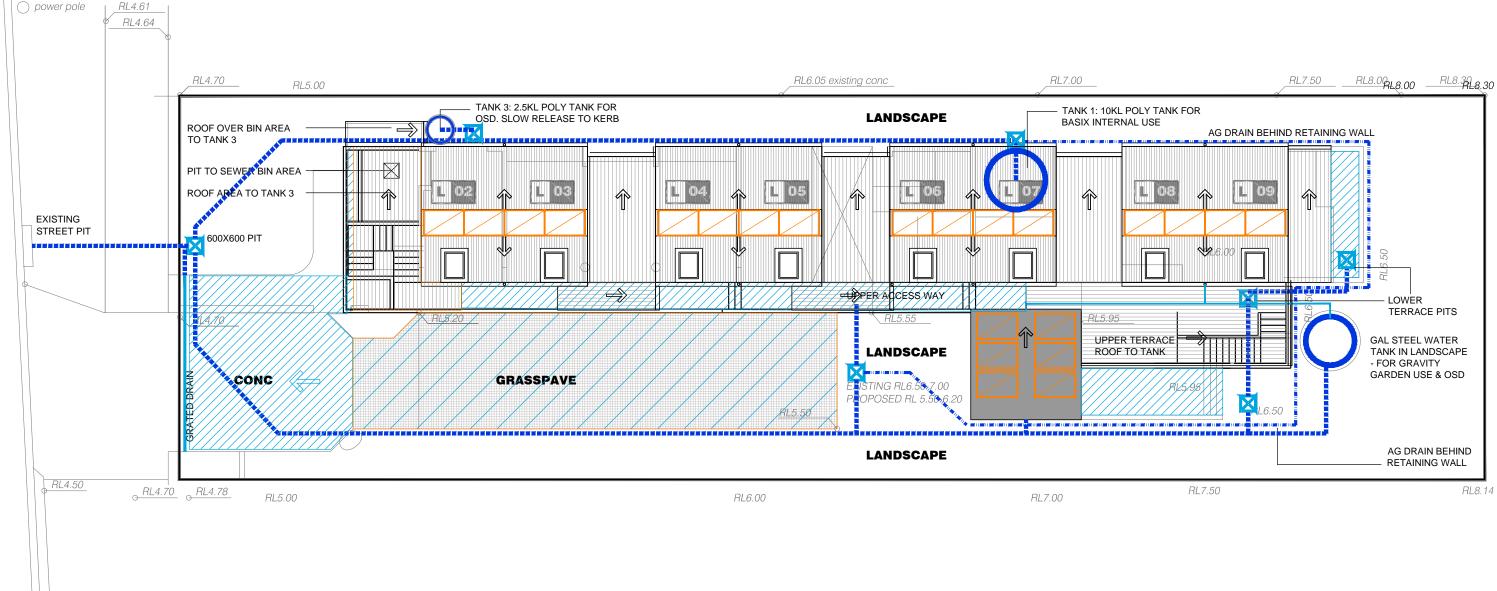
TOTALS

UPPER TERRACE AND SMALL AREA OD HARDSCAPE AND EXCESS GRASSPAVE RUNOFF TO BE COLLECTED AND DISCHARGED DIRECTLY TO STREET PIT. PATHS TO DRAIN TO ADJACENT GARDEN BEDS.

WATER TANK SCHEDULE						
	ID	CAPACIYTY	BASIX USE	OSD		
	TANK 1	10KL POLY	8KL - GARDEN USE	2KL		
	TANK 2	8KL STEEL	3KL GARDEN USE	5KL		
	TANK 3	2.0KL POLY	NIK	2.0KL		

11KL

9KL



SITE AREA TOTAL ROOF AREA DIRECTED TO TANKS ROOF AREA DIRECTED TO STREET TOTAL TANK CAPACITY CAPACITY - PRIVATE USE (BASIX) CAPACITY - (DETENTION) STORAGE RATIO

## **STORMWATER CALCS**

790m2 250m2 20m2 11.000L 10,000L 1 000 23m2/KL

## **SOLAR GENERATION**

NOM 1650X1000 300-400W SOLAR PANELS . LOCATIONS SHOWN REPRESENT 'POSSIBLE LOCATIONS' NOT PROPOSED SYSTEM PROVIDE INVERTER OR USE MICRO-INVERTER PANELS. GRID CONNECT NETT FEED SYSTEM.

BASIX REQUIREMENT 4.5KW = 12 PANELS

D-P-04

FINAL DA SET



532 PITTWATER ROAD NORTH MANLY. <LOT40 DP 7027> 1:150 AT A3 27 MAY 2021