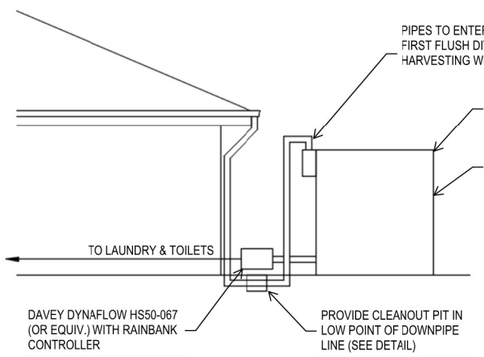

RAINWATER TANK RE-USE SCHEMATIC

N.T.S

STORMWATER CALCULATIONS

SITE AREA = 3035m²
EXISTING % IMPERVIOUS AREA = 0.13 (393.9m²)
PROPOSED % IMPERVIOUS = 0.31 (932.6m²)

MINOR STORM EVENT
PRE-DEVELOPMENT SITE DISCHARGE, $Q_{20\%\ AEP,\ 15mins}$ = 47L/s
POST-DEVELOPMENT SITE DISCHARGE, $Q_{20\%\ AEP,\ 10mins}$ = 50L/s

DIRECT ALL FLOWS TO LEGAL POINT OF DISCHARGE VIA ON-SITE DETENTION FACILITY:
ON-SITE DETENTION VOLUME FOR MINOR STORM EVENT = (50-47)*60*10 = 1,800L

MAJOR STORM EVENT
PRE-DEVELOPMENT SITE DISCHARGE, $Q_{1\%\ AEP,\ 15mins}$ = 109L/s
POST-DEVELOPMENT SITE DISCHARGE, $Q_{1\%\ AEP,\ 10mins}$ = 115L/s

DIRECT ALL FLOWS TO LEGAL POINT OF DISCHARGE VIA ON-SITE DETENTION FACILITY:
ON-SITE DETENTION VOLUME FOR MAJOR STORM EVENT = (115-109)*60*10 = 3,600L

PROVIDE MIN. 1,800L OF OSD ABOVE 20% AEP ORIFICE IN OSD TANK,
225Ø CHOKE PIPE OUTLET REQUIRED (PSD = 47L/s FROM 20% AEP OUTLET)

PROVIDE MIN. 1,800L OF OSD ABOVE 1% AEP ORIFICE IN OSD TANK,
225Ø CHOKE PIPE OUTLET REQUIRED (PSD = 62L/s FROM 1% AEP OUTLET)

MINIMUM OSD VOLUME PROVIDED TO BE NO LESS THAN 5,400L TO SUIT OUTLET ARRANGEMENT ($Q_{POST-DEV.\ 1\%\ AEP,\ 10mins}$ = 106L/s)

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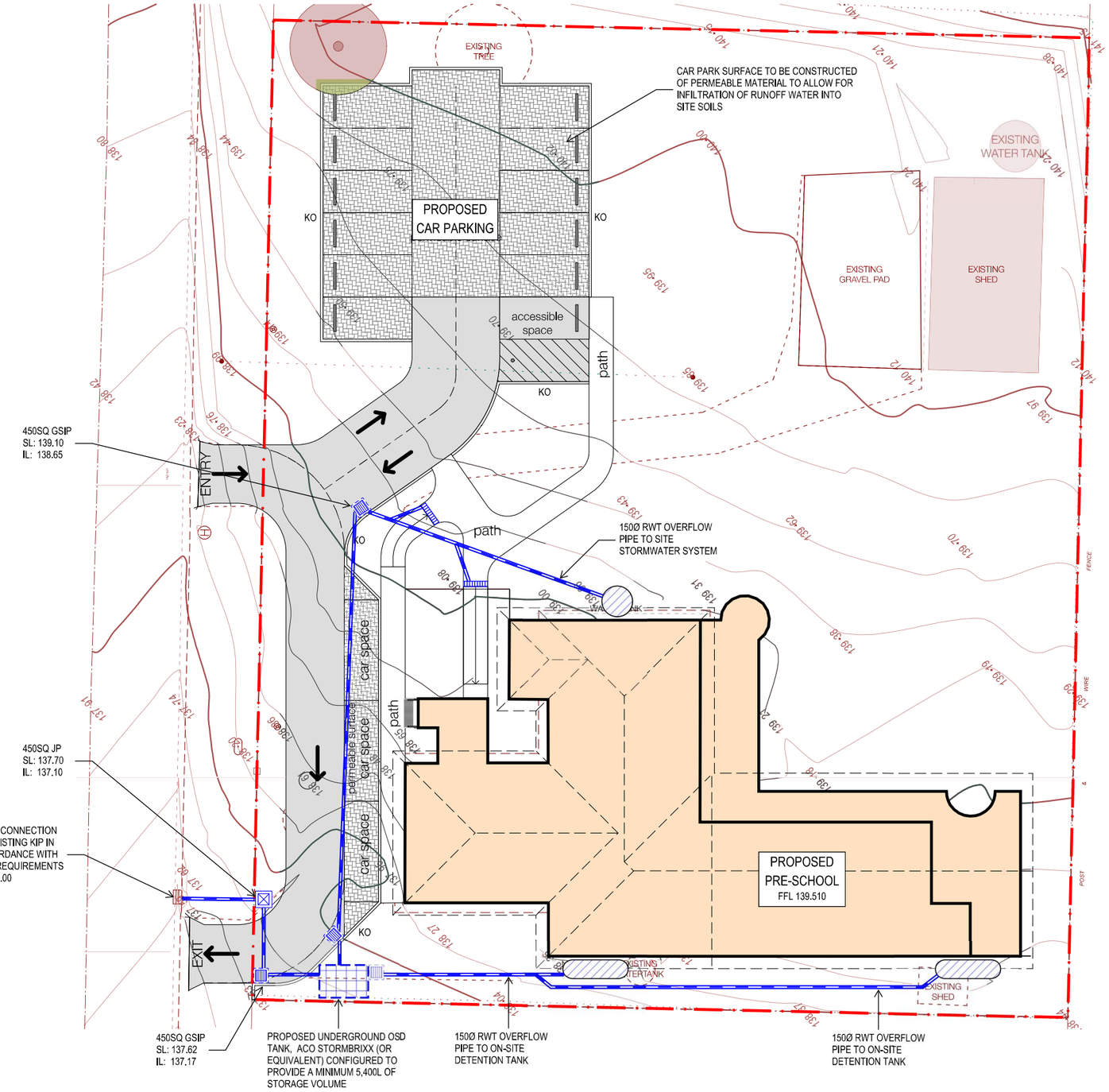


CIVIL CONSULTING

GENERAL NOTES

THIS DRAWING TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DETAILS.

ALL WORKS IN ACCORDANCE WITH AS3500, COUNCIL DEVELOPMENT CONTROL PLANS AND PROPRIETARY MANUFACTURER'S RECOMMENDATIONS.

ALL PROPOSED DOWNPIPES ARE TO BE CONNECTED TO THE RAINWATER HARVESTING TANKS. LOCATION OF TANKS & TANK TYPES CAN BE VARIED AT OWNER'S DIRECTION.

ALL RAINWATER HARVESTING TANKS TO HAVE A MINIMUM 100Ø OVERFLOW CONNECTED TO THE STORMWATER DISPOSAL SYSTEM.

ALL STORMWATER PIPES, INCLUDING DOWNPIPES AND RAINWATER TANK OVERFLOW PIPES, TO BE MIN. 100Ø UPVC SEWER WATER GRADE, U.N.O. JOINTED & INSTALLED TO MANUFACTURER'S RECOMMENDATIONS.

DOWNPIPE INLETS TO RAINWATER TANKS TO BE FITTED WITH LEAF EATER™ RAIN HEAD TO PROVIDE INSECT, VERMIN AND DEBRIS CONTROL.

ALL STORMWATER LINES TO HAVE ALL JOINTS, INC. DP CONNECTIONS, FULLY SOLVENT WELDED (AS LINES ARE 'CHARGED').

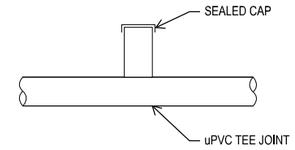
ALL LEVELS ARE FINISHED PAVEMENT OR LAWN LEVELS.

ALL LEVELS ARE DATUM AHD.

FINISHED LEVELS SHOWN AS RL X.XX

LEGEND

- NEW DOWNPIPE LINES/STORMWATER PIPES TO BE CONSTRUCTED. PIPES TO BE MIN. 150Ø uPVC SEWER GRADE LAID @ 1% MIN, U.N.O.
- DENOTES NEW RAINWATER TANK
- DENOTES NEW GSIP PIT
- DENOTES NEW JUNCTION PIT
- DENOTES MIN. 150 WIDE GRATED CHANNEL WITH 'HEELGUARD' GRATE
- KO — DENOTES MIN. 150 HIGH KERB ONLY



DOWNPIPE CLEANOUT DETAIL

N.T.S

REV	DATE	DRAWING STATUS	DRN	APP
A	05.08.25	ISSUE FOR APPROVAL	M.W.	M.W.

ISSUE FOR APPROVAL

ADDRESS
LOT 16 DP 1063381
82-86 ARGYLE STREET
BARRINGTON

CLIENT
BARRINGTON PRE-SCHOOL

TITLE
CONCEPT STORMWATER MANAGEMENT PLAN

DRAWN	APPROVED	SHEET SIZE	SCALE
M.Watson	M.Watson	A1	1:150

PROJECT No.	DRAWING No.	REVISION
25-042	SK-01	A

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