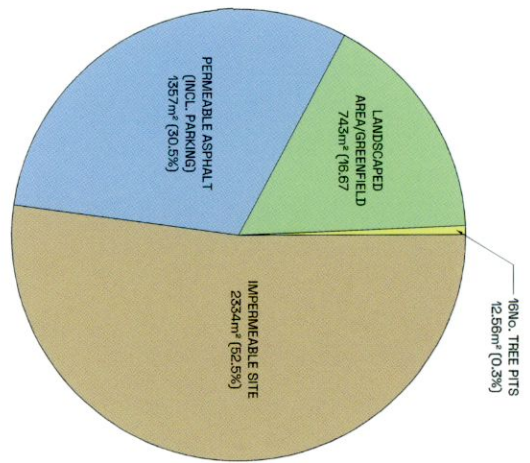


Notes:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING.



PROPOSED SITE AREAS
1 : 50

STORM WATER ATTENUATION

TOTAL SITE AREA = 4464m².

FOR CALCULATION OF ATTENUATION VOLUME, THE FOLLOWING RUN-OFF COEFFICIENTS ARE USED:

- GRASSED AREA = 0.10m³
- PERMEABLE PAVING AREAS = 0.20m³
- HARD & STANDING ROOF AREAS = 1.00m³

EQUIVALENT IMPERMEABLE AREAS TO BE ATTENUATED = 2245m².

FOR 100-YEAR RETURN EVENT

SURFACE WATER OUTFLOW RATE = 2L/s

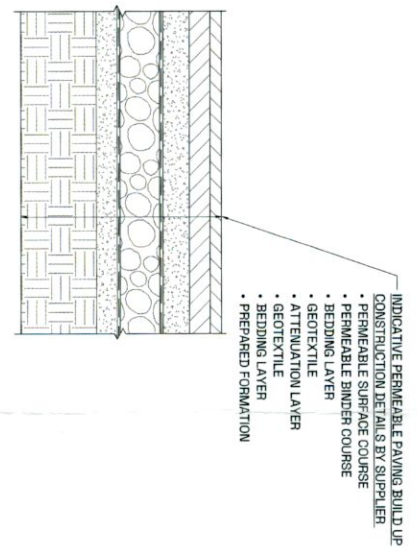
20% INCREASE IN ATTENUATION VOLUME INCLUDED FOR CLIMATE CHANGE.

MAX ATTENUATE VOLUME REQUIRED = 173m³

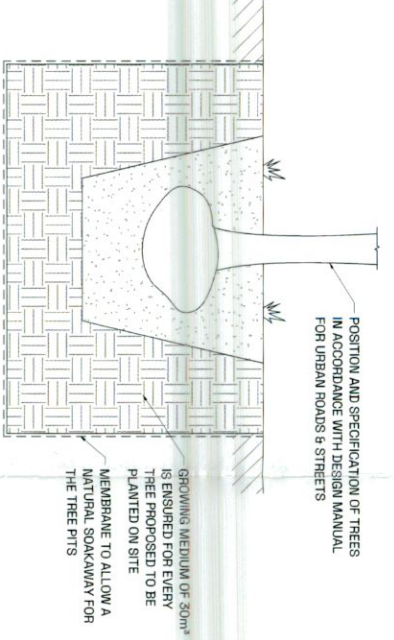
TOTAL ATTENUATE VOLUME TO BE PROVIDED = 101m³ + 68m³ (TREE PITS) = 174m³ (0.99 UTILISATION)

SUSTAINABLE URBAN DRAINAGE SYSTEM (SUDD) - PERMEABLE PAVING

IT IS PROPOSED TO INCORPORATE A PERMEABLE PAVING SYSTEM (AQUAFLOW® BY FORM PAVE OR SIM. APPROVED) INTO THE PAVED AREA SURROUNDING THE DEVELOPMENT, WITH THE AIM OF REDUCING RUNOFF FROM THE SITE IN TIMES OF PRECIPITATION AND IMPROVING QUALITY OF RUNOFF GENERALLY. A MINIMUM OF 300mm DEPTH 65mm-10mm SUB BASE WITH APPROX. 30% Voids IS TO BE USED TO PROVIDE ADDITIONAL SUB-GROUND STORAGE FOR RAINFALL EVENTS. THE INTENTION IS TO PROVIDE A SUSTAINABLE FORM OF STORMWATER SOURCE CONTROL WITHIN THE SITE THAT WILL REDUCE THE TOTAL RUNOFF FROM THE SITE BY TEMPORARILY RETAINING THE RUNOFF WITH THE PAVING/BEDDING, PROMOTING EVAPORATION AND FACILITATING INFILTRATION INTO THE SUB-SOILS. THE QUALITY OF RUNOFF FROM THE SITE SHALL ALSO BE IMPROVED DUE TO THE FILTERING PROCESS OF THE PAVING, WHICH RETAINS SILTS AND DEGRADES HYDROCARBONS.



INDICATIVE PERMEABLE ASPHALT SECTION
1 : 10



INDICATIVE TREE PIT DETAIL
1 : 25

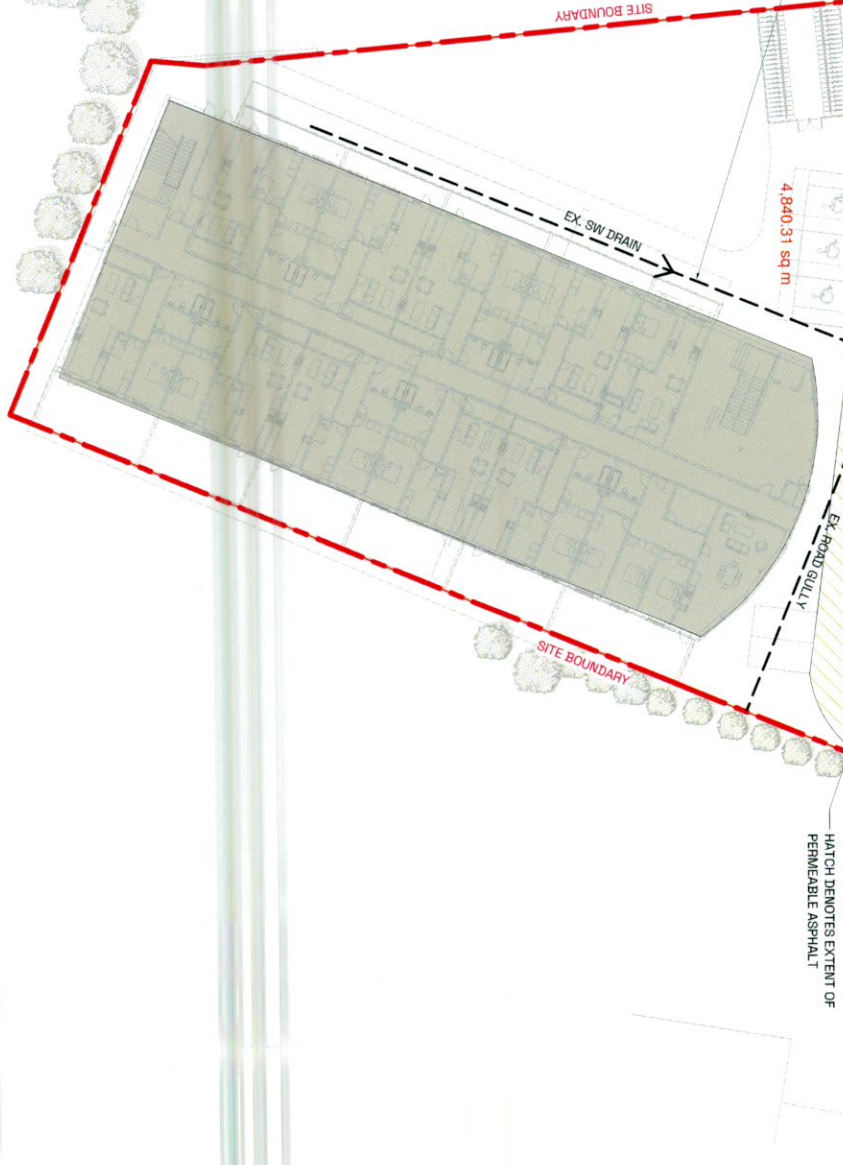


ATTENUATION VOLUME: 101m³
NO INCREASE IN VOLUME PROPOSED

MINOR UPGRADE WORKS REQUIRED TO THE NETWORK INTO EXISTING ATTENUATION STORAGE. PETROL INTERCEPTOR REQUIRED IN FRONT, WITH HYDROBRAKE AT 2L/s

NOTE:
SITE ACTIVELY DRAINED TO ROAD GULLIES AND KERBS VIA SLOPE IN SITE LEVELS.

ON SITE DRAINS ARE PRIVATELY OWNED LOCAL DRAINAGE NETWORKS, TYING INTO THE EXISTING PUBLIC NETWORK.



PROPOSED DRAINAGE INFRASTRUCTURE
1 : 300

TENT ENGINEERING

PROJECT: LARKFIELD HOUSE

TITLE: PROPOSED DRAINAGE INFRASTRUCTURE

ISSUED FOR PLANNING	DATE: 27.10.22	BY: RPH
ISSUED FOR PLANNING	DATE: 24.08.22	BY: RPH
STATUS: PLANNING	DATE:	BY:

SCALE: AS INDICATED	DATE: AUG 22	BY: RPH	DATE: 24.08.22
DRAWING NO: 22074-TNT-XX-FN-DR-C-92001	REVISION: P02	DATE:	BY: