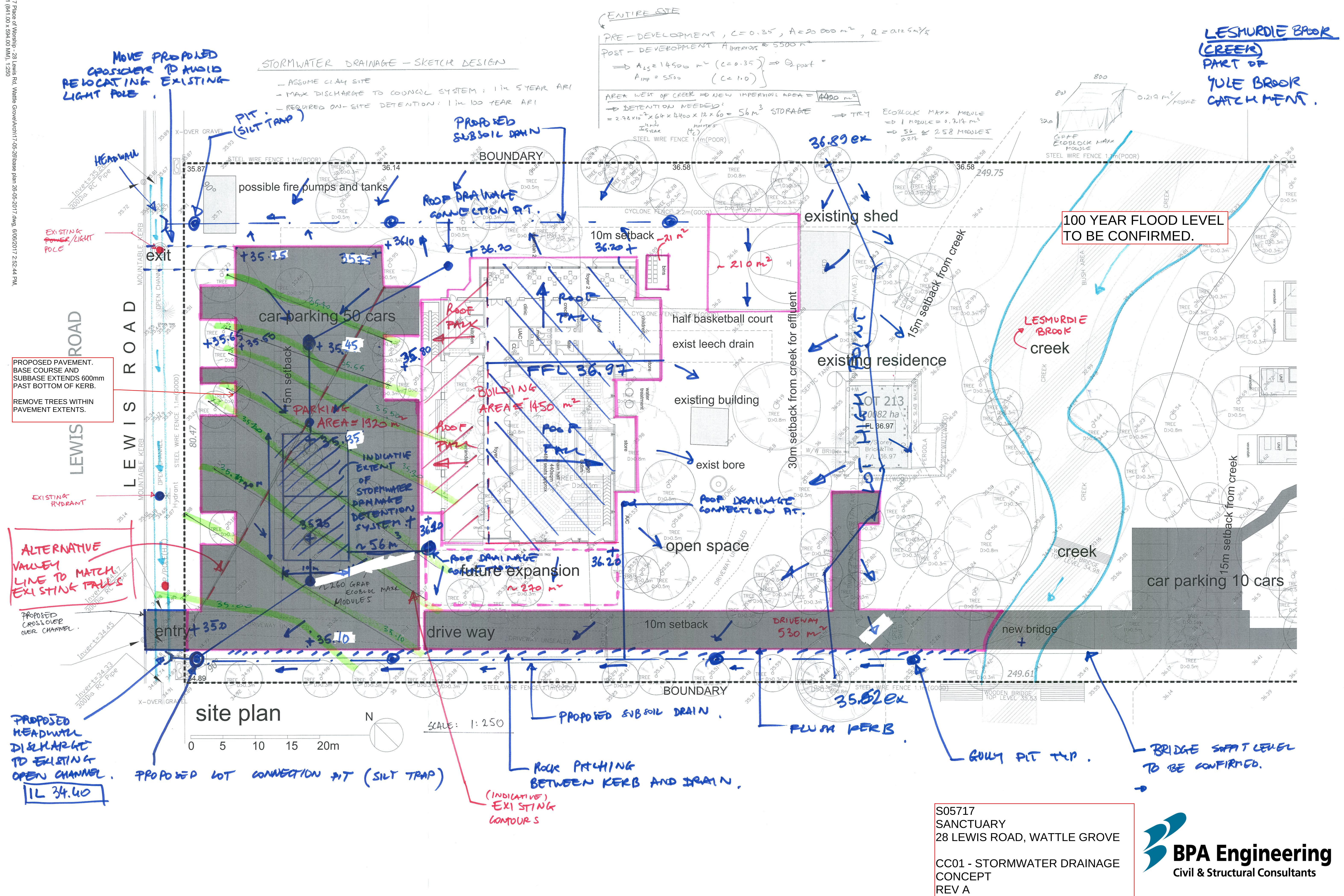


MS05717 Phase of Work: 28 Lewis Rd, Wattle Grove Arch17-05-2016 plan 28-05-2017 dwg: 6/06/2017 2:52:44 PM
C:\Users\A1 (64130) \AppData\Local\Temp\12250



ENTIRE SITE
PRE-DEVELOPMENT, $C = 0.35$, $A = 20,000 \text{ m}^2$, $Q = 0.125 \text{ m}^3/\text{s}$
POST-DEVELOPMENT $A_{\text{IMPERVIOUS}} \approx 5500 \text{ m}^2$
 $\Rightarrow A_{\text{LS}} = 14500 \text{ m}^2$ ($C = 0.35$) $\Rightarrow Q_{\text{POST}} =$
 $A_{\text{IMP}} = 5500$ ($C = 1.0$)
AREA WEST OF CREEK $\Rightarrow$ NEW IMPERVIOUS AREA = 4400 m^2
 $\Rightarrow$ DETENTION NEEDED:
 $= 2.78 \times 10^{-2} \times 64 \times 4400 \times 12 \times 60 = 56 \text{ m}^3$ STORAGE
 $\Rightarrow$ TRY
CYCLONE FENCE 2.2m (GOOD)
STEEL WIRE FENCE 1.1m (POOR)
ECOBLOCK MAXX MODULE
 $\Rightarrow$ 1 MODULE = 0.712 m^3
 $\Rightarrow \frac{56}{0.712} \approx 78.78$ MODULES

LESMURDIE BROOK
(CREEK)
PART OF
YULE BROOK
CATCHMENT.

100 YEAR FLOOD LEVEL
TO BE CONFIRMED.

PROPOSED PAVEMENT.
BASE COURSE AND
SUBBASE EXTENDS 600mm
PAST BOTTOM OF KERB.

REMOVE TREES WITHIN
PAVEMENT EXTENTS.

ALTERNATIVE
VALLEY
LINE TO MATCH
EXISTING FALLS

PROPOSED
HEADWALL
DISCHARGE
TO EXISTING
OPEN CHANNEL.
IL 34.40

BRIDGE SPAN LEVEL
TO BE CONFIRMED.

S05717
SANCTUARY
28 LEWIS ROAD, WATTLE GROVE

CC01 - STORMWATER DRAINAGE
CONCEPT
REV A

