Roof volume calculations:

Volume 1, hip-to-gable - $V = A \ x \ \dfrac{B}{2} \ x \ \dfrac{C}{3}$
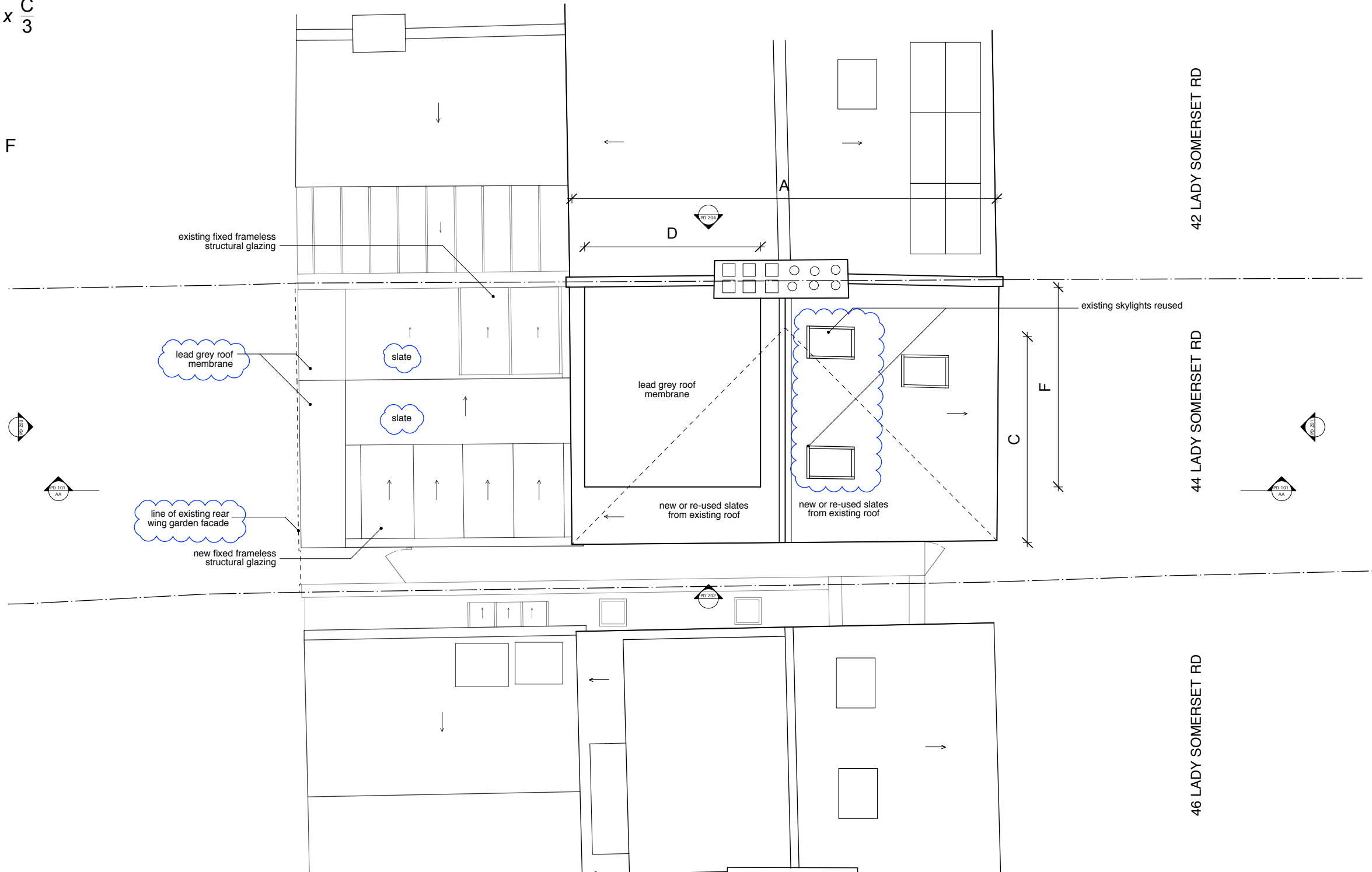
$9.5 \ x \ \dfrac{2.6}{2} \ x \ \dfrac{4.7}{3} = 19.4m^3$

Volume 2, dormer - $V = \dfrac{D \ x \ E}{2} \ x \ F$

$\dfrac{4.5 \ x \ 2.2}{2} \ x \ 4 = 19.8m^3$

Total volume 1 & 2 = $39.2m^3$

Maximum roof extension under
Permitted Development: $40m^3$

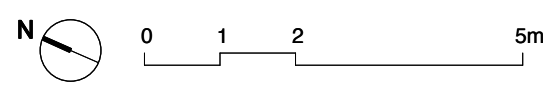existing fixed frameless
structural glazing

lead grey roof
membrane

slate

slate

line of existing rear
wing garden facade

new fixed frameless
structural glazing

A

D

lead grey roof
membrane

new or re-used slates
from existing roof

new or re-used slates
from existing roof

existing skylights reused

C

F

42 LADY SOMERSET RD

44 LADY SOMERSET RD

46 LADY SOMERSET RD

N

0   1   2   5m

Rev	Date	Notes
A	25.05.21	Revised to planner request

project	project no
44 Lady Somerset Rd	293

drawing	scale
Proposed Roof Plan	1:100
	drawn by OO

drawing no	rev	date
PD 001	A	May 2021
		dwg status Information