



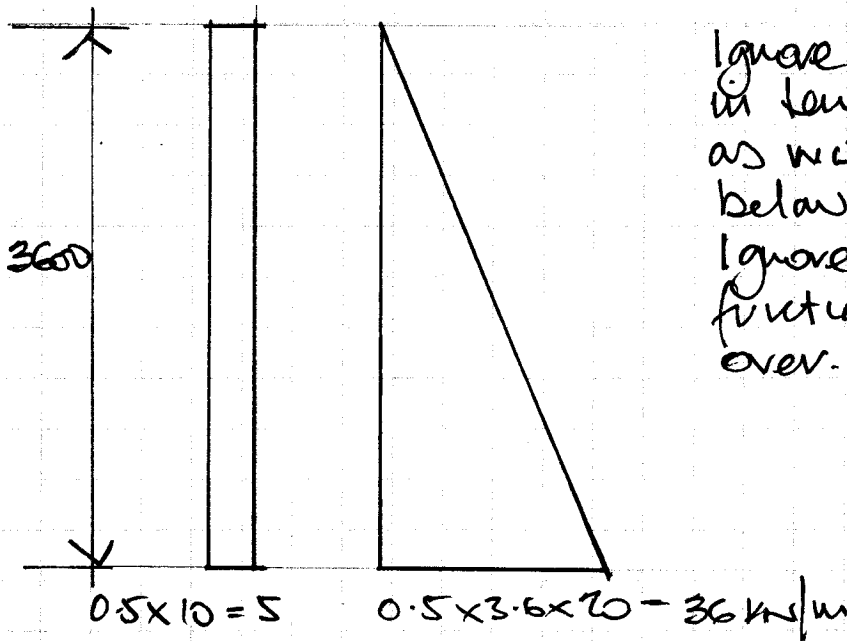
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Project
14 ROSECROFT AVE NWS 70B

Portion
TEMP WORKS & SEQUENCE.

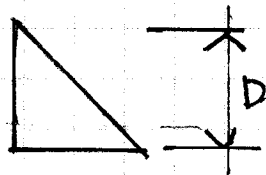
Job No. 16803
Sheet No. TWS1
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Take $K_0 = 0.50$ $\gamma = 20 \text{ kN/m}^3$ $\beta = 3.5$



Ignore hydrostatic pressure in temporary condition as water table will be below formation
Ignore benefit of base friction from wall load over.

Total lateral load = $(5 \times 3.6) + (36 \times 3.6 / 2) = 82.8 \text{ kN/m}$



$3.5 \times 20 \times D^2 / 2 = 82.8 \text{ kN/m}$

$D = 1.53 \text{ m}$

Insert props say 1.65 above formation.

props @ 2.50 c/c.

Bur ut = say $82.8 \times 1.45 \times 2.5^2 / 9 = 86.4 \text{ kNm}$

$S_{req} = 86.4 / 0.250 = 345.6 \text{ cm}^3$

103 Ue 46 $S = 497 \text{ cm}^3$
OK.

Deflection - (continuous)

$\frac{82.8 \times 2500^3 \times 10^3}{384 \times 210 \times 10^3 \times 4567 \times 10^4} = 0.4 \text{ mm}$
OK.



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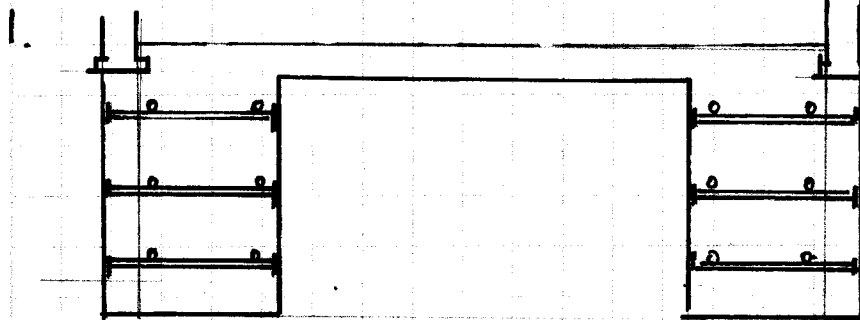
Portion
Temp works & SEQUENCE

Job No. 16 B03
Sheet No. TWS 2
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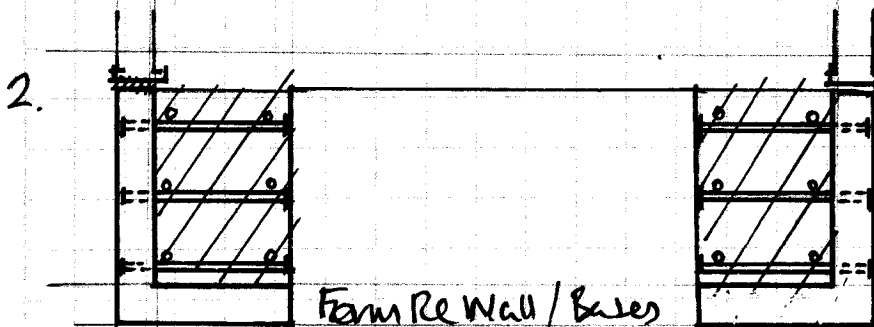
Props Max force = $86.4 \times 2.5 \times 1.45 = 313 \text{ kN}$
203LC60
For 10.00 $P_x = 920 \text{ kN}$
 $P_y = 340 \text{ kN}$ OK.

Use 203LC60 kg Props

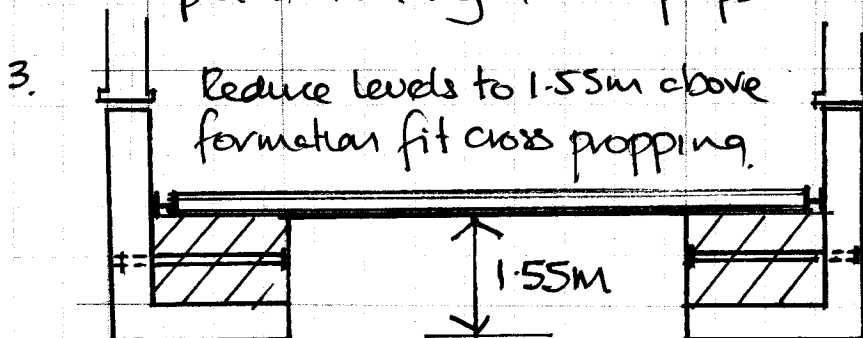
SEQUENCE



Excavate prop excavations across both ways



Backfill excavations as each pin location is completed leaving trench props in place.





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Portion

Temp works & sequence

Job No. 16B03

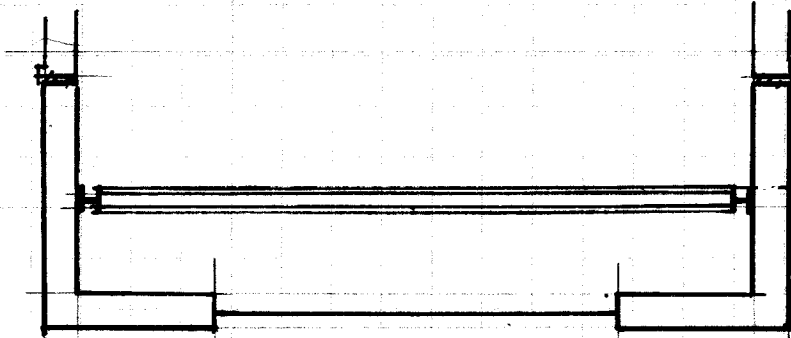
Sheet No. TWS 3

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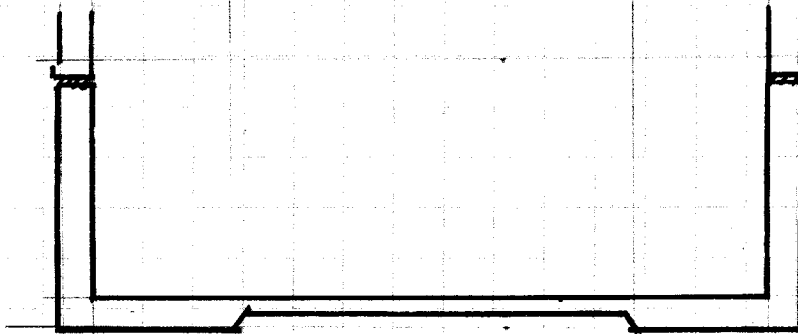
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4.

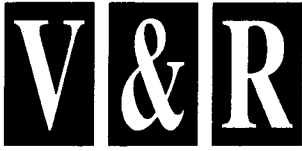


Reduce levels to formation fit drainage

5.



Construct slab, after curing remove cross
propping

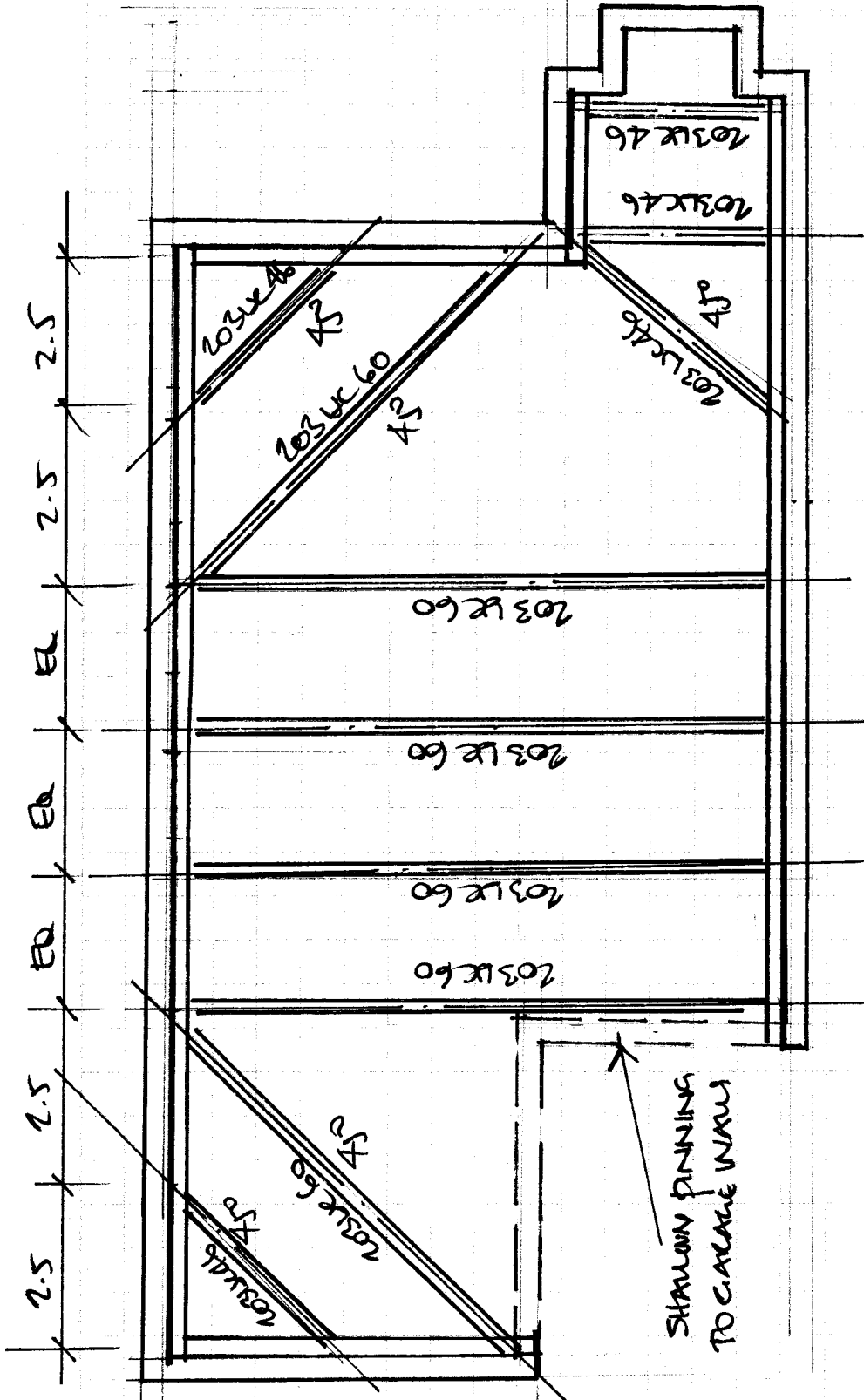


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