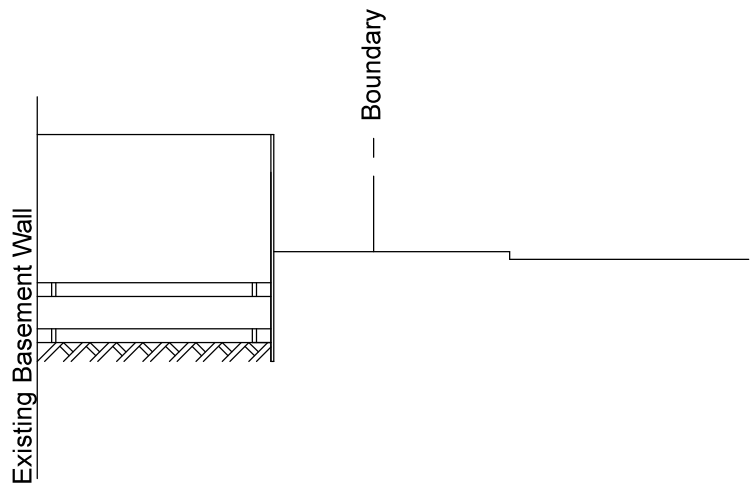


By Inspection,  
the lateral movements/vertical settlements from an  
adequately designed/supported temporary excavation  
and/or permanent structure should not be significant  
beyond the site boundary,  
provided that  
the works are performed in an adequately controlled  
construction sequence.

Suitable Construction Sequence :



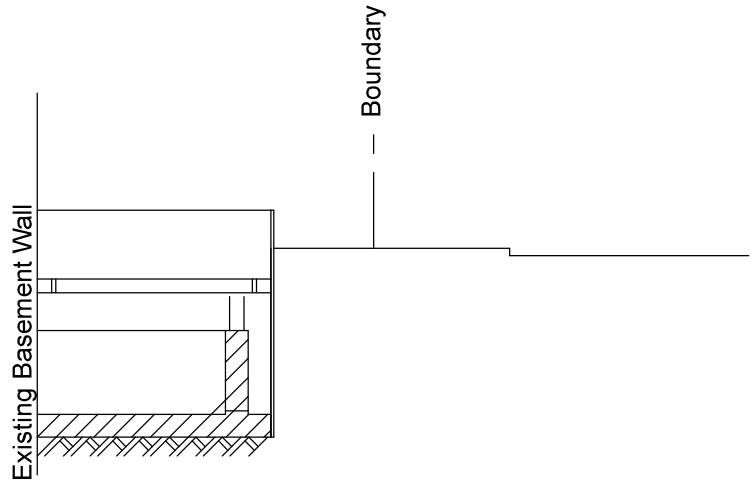
Stage 1 :

Excavate to 1200 depth.

"Pitch" M6 trench sheets around  
perimeter of excavation.

Place LOWER level of bracing at  
the BOTTOM of the excavation  
(1200) and lightly pressurise.

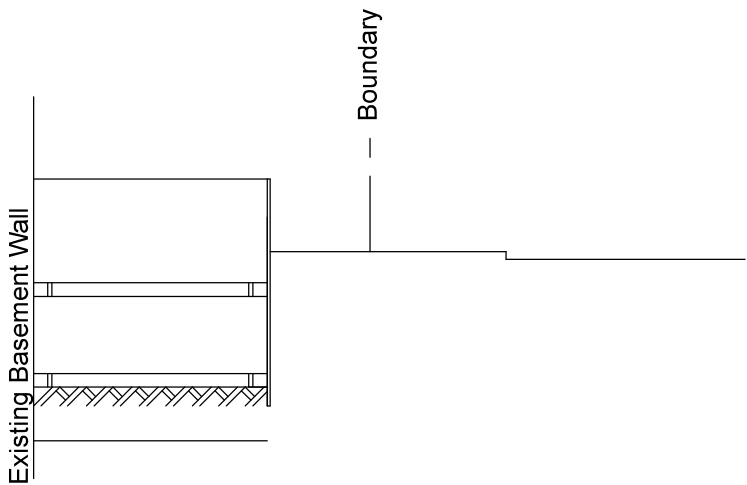
Place UPPER level of bracing at  
500 depth and pressurise.



Stage 5 :

When concrete to base slab has  
gained adequate strength, remove  
lower bracing frame.

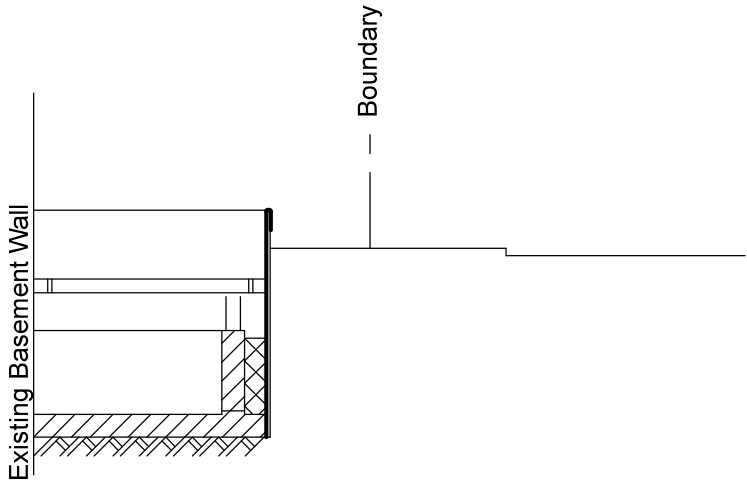
Constuct "first lift" of rc wall  
construction.



Stage 2 :

Proceed with excavation  
advancing the trench sheets,  
depressurising, lowering and lightly  
pressurising the "bottom" bracing  
as excavation proceeds.

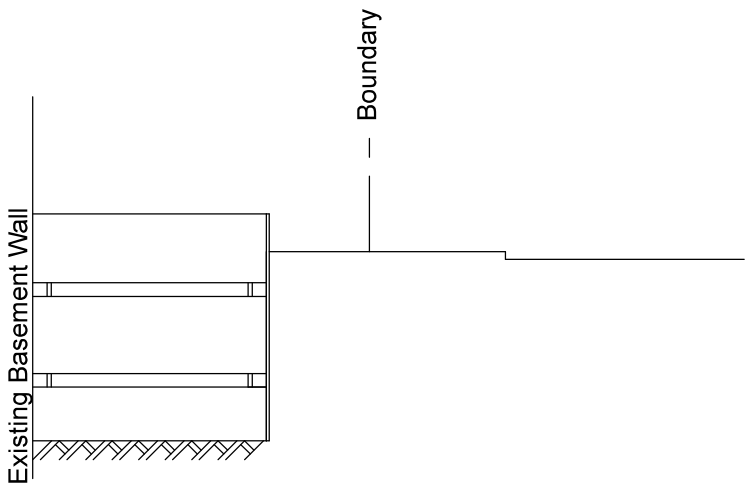
When the BOTTOM bracing is at  
final depth (1700), pressurise the  
bracing.



Stage 6 :

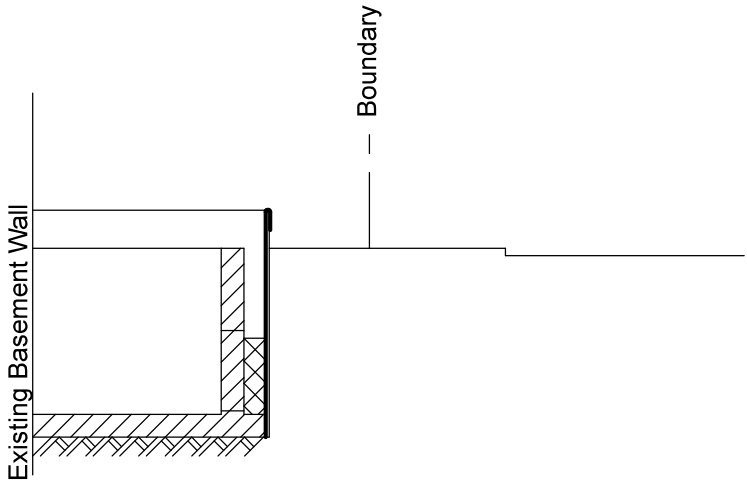
When the "wall stem" has gained  
adequate strength,  
"drape" polythene sheet (or other  
"bond breaking" material) down  
trench sheets and then place lean  
mix concrete behind wall "stem".  
(Possibly semi-dry concrete and/or  
"no fines" lean mix concrete.)

Alternatively, place well compacted  
granular fill if there is adequate  
working space to compact the  
granular fill.



Stage 3 :

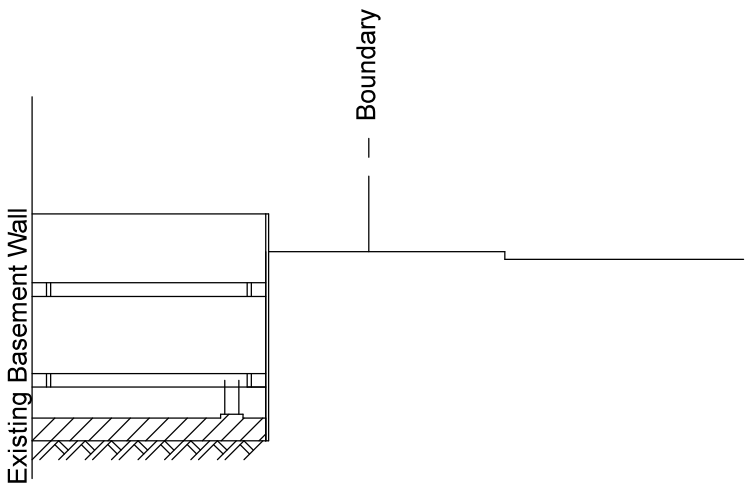
Proceed with excavation to full  
depth (2500) "pushing" the trench  
sheets down as excavation  
proceeds.



Stage 7 :

When the "wall stem" has gained  
adequate strength, remove upper  
bracing frame.

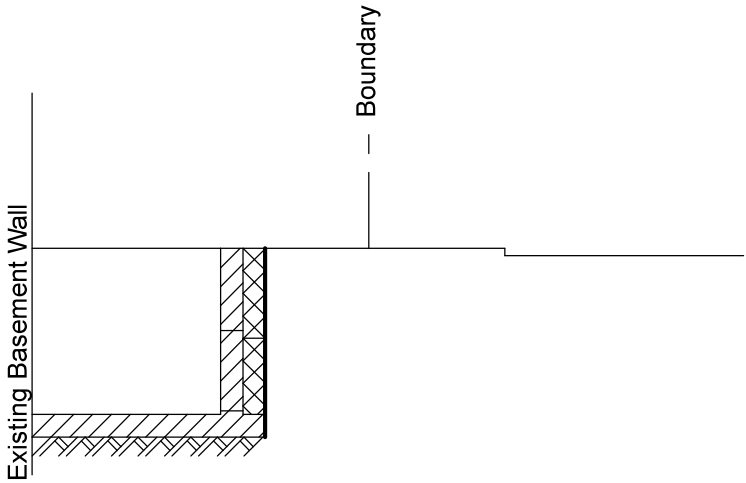
Construct "final lift" of rc wall  
construction.



Stage 4 :

ASSUME rc construction as the  
most onerous option.

Constuct base slab plus "kicker"  
and allow to gain strength.




Stage 8 :

When the "wall stem" has gained  
adequate strength, backfill behind  
"wall stem" with lean mix concrete  
(or well compacted granular fill).

Cut off polythene sheet.

Remove trench sheets.

NOTES

01	First Issue	WR	01/01/17
Rev.	Revision Detail	Drawn	Date
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CLIENT:			
PROJECT:			
28 Kylemore Road London NW6 2PT			
TITLE:			
INITIAL Evaluation of Construction Sequence for Lightwell Construction			
Drawn: IFG	Checked: ??	Date: 24/08/17	
Scale: 1:100	Original Sheet Size: A2	Status: PRELIM	
Drawing No. 17-135-D-003			Revision: 00
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