

The diagrams illustrate the construction stages of a retaining wall:

- STAGE A - TEMPORARY CONDITION:** Shows the initial wall with a temporary berm. A callout box indicates a reference to site investigation for hydrostatic and ground conditions. Dimensions $\Delta 1$ and $\Delta 2$ are shown relative to ground level.
- STAGE B - TEMPORARY CONDITION:** Shows the wall after excavation to the LB2 level. A green arrow labeled 'LG0 SLAB' points to the left. A callout box again refers to site investigation. Dimensions $\Delta 1$ and $\Delta 2$ are shown. A note 'BERM REMOVED' points to the excavation area.
- STAGE C - PERMANENT CONDITION:** Shows the final wall with a water table indicated by blue lines. A dimension of '1000 TO BS 8102' is shown for the water table depth. The 'BERM REMOVED' label is also present.

N.T.S REFER TO TABLE 1 FOR DESIGN MOVEMENTS



N.T.S REFER TO TABLE 1 FOR DESIGN MOVEMENTS



REFER TO DIAGRAMS FOR DEFINITION OF Δ_2 AND Δ_3

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTS AND ENGINEERS DRAWINGS, SPECIFICATIONS AND DETAILS.
2. ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS STATED OTHERWISE
3. DO NOT SCALE FROM THIS DRAWING
4. FOR MOVEMENT AND TOLERANCES REFER TO DRAWING No A041949-S-005
5. FOR GENERAL NOTES PLEASE REFER TO A041949-S-001/004
6. SURCHARGE LOADING FOR ALL CONDITIONS IS 10 kN/m²
7. FOR DETAILS OF FULL SITE INVESTIGATION REFER TO NORWEST HOLIST REPORT REF: F15468h, 102, QCD, REVISION "FINAL" DATED 31/03/2010 AND ADDENDUM "ADDITIONAL TRAIL PTS ALONG THE NORTH/ERN BOUNDARY WALL" REF: F15468hF03-ADD, DATED 27/07/2010
8. VALVES GIVEN IN THE PERMANENT CONDITION ALREADY INCLUDE THOSE GIVEN IN THE TEMPORARY CONDITION

**FOR BASEMENT WATER PROOFING STRATEGY
REFER TO DRAWINGS S-GEN-012. DIAPHRAGM
WALL TO BE DESIGNED TO PROVIDE TYPE B
(STRUCTURALLY INTEGRAL) PROTECTION;
INCLUDING ALL WALL PANEL - PANEL
AND WALL PANEL - SLAB CONNECTIONS**

**ALL RETAINING WALLS ARE TO BE
CONTRACTOR DESIGNED PORTION**

**FOR MONITORING INFORMATION REFER
TO DRAWING S-GEN-025 AND S-GEN-026**

P2	09.02.11	ISSUED FOR STAGE D	KT	RP
P1	04.02.11	ISSUED FOR STAGE D - INFORMATION	TS	TW
T1	20.09.10	ISSUED FOR TENDER	BB	RP

REV	DATE	DESCRIPTION	BY	CHECKED
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DESIGN CRITERIA OF BASEMENT RETAINING WALLS

TITLE		
DRAWN JH	SCALE 1:500@A1	CAO FILENAME S-GEN-020.dgn
DATE AUG 10	CHECKED RP	STATUS INFORMATION

A041949 | **S-GEN-020** | **P2**
 PROJECT No. | DRAWING No. | REVISION

PLOT DATE 11/02/2011 BY todslaughter

1. DO NOT SCALE FROM THIS DRAWING
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS
3. ALL EXISTING SUBSTRUCTURE, FOUNDATIONS AND SERVICES ARE INDICATIVELY ONLY AND ARE SUBJECT TO CONFIRMATION ON SITE
4. ALL DIMENSIONS SHOWN IN MILLIMETRES UNLESS STATED OTHERWISE
5. FOR MOVEMENT AND TOLERANCE REFER TO DRAWING No S-GEN-005
6. FOR GENERAL NOTES REFER TO S-GEN-001/004



1000 N
950 N
900 N
500 E

BRICK PLACE

MIDLAND ROAD

5m SETBACK LINE FROM EASEMENT CORRIDOR

POSSIBILITY OF MINI-PILES USED FOR TEMPORARY WORKS TO THAMESLINK BOX WHERE CLOUDED

SITE PLAN

KEY LEGEND

	- THAMES WATER SEWER		- OTHER		- EXISTING WALL FOOTING
	- GAS MAIN		- NATIONAL GRID APPROX LOCATION OF NORTHERN GAS MAIN (NOTE: NATIONAL GRID LOCATION OF SOUTHERN GAS MAIN AGREES WITH WITH HOK SURVEY INFORMATION)		- SITE BOUNDARY
	- ELECTRIC		- EXISTING PAD FOUNDATION		- APPROXIMATE LOCATION OF BRITISH LIBRARY TANK FARM
	- COMMUNICATION				- APPROXIMATE LOCATION OF THAMESLINK BOX
	- WATER MAIN				

NOTES:
INFORMATION SHOWN IS TAKEN FROM SURVEY DRAWINGS, TRIAL PITS AND HISTORIC DRAWINGS OF THE SITE. THEREFORE INFORMATION SHOWN MAY NOT BE ACCURATE OR COMPLETE AND OTHER STRUCTURES, SERVICES ETC MAY EXIST ON THE SITE

REV	DATE	DESCRIPTION	BY	CHECKED
P1	11.02.11	ISSUED FOR STAGE D	TS	RP
T1	20.08.10	ISSUED FOR TENDER	BB	RP



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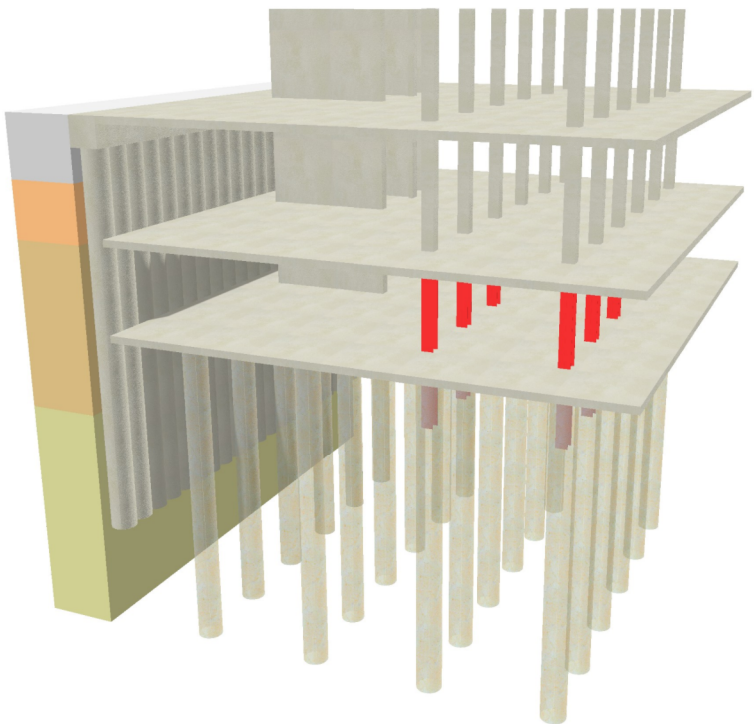
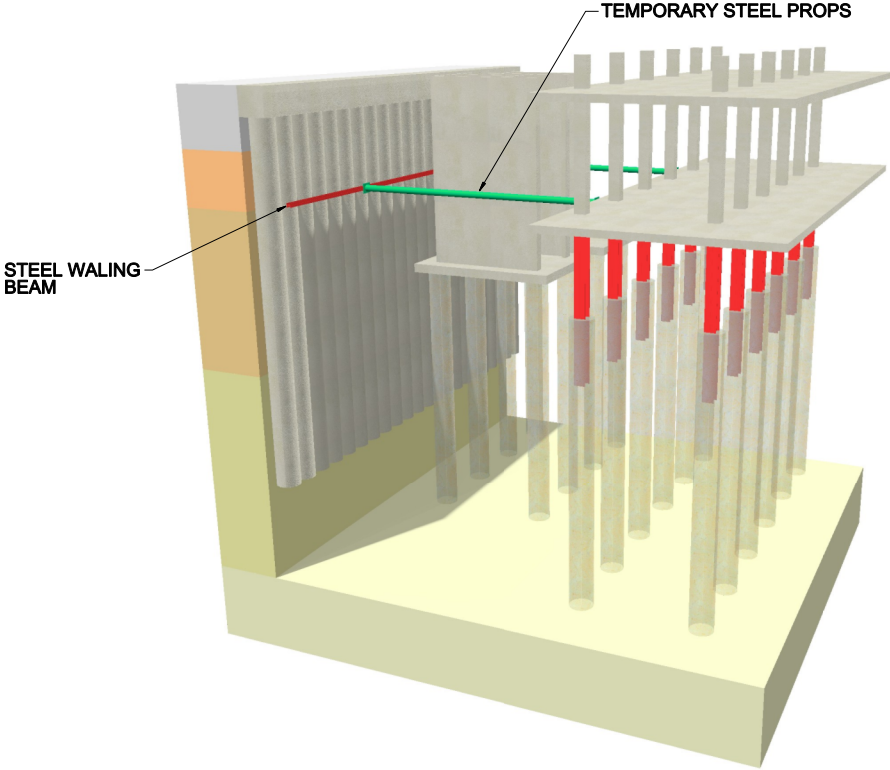
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BASEMENT PERIMETER
SITE CONSTRAINTS

TITLE	TS	SCALE	1:300 @ A1	CAD FILENAME	S-GEN-030.dgn
DATE	JUNE '10	CHECKED	RP	STATUS	INFORMATION
PROJECT NO.	A041949	DRAWING NO.	S-GEN-030	REVISION	P1

FOR INFORMATION ONLY

TOP DOWN CONSTRUCTION CORE CONSTRUCTION METHOD (PRINCIPLES)
OPTION B



KEY LEGEND

- MADE GROUND
- WEATHERED LONDON CLAY
- UNWEATHERED LONDON CLAY
- LAMBETH GROUP
- THANET SAND

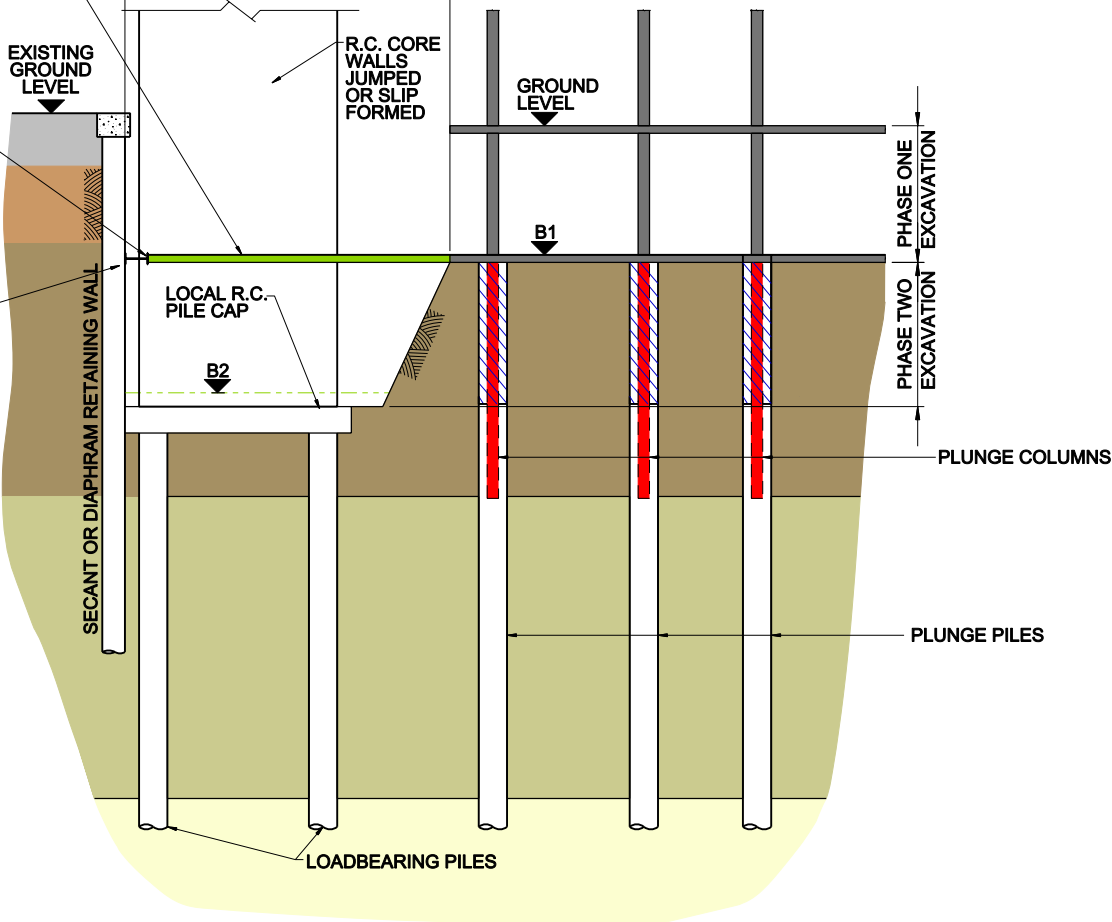
DRAWING TO BE READ
IN CONJUNCTION WITH PILE
LEVEL OPTION C
DRAWING NO. A041949/SK604

ALTERNATELY PART OF
THE B1 SLAB COULD BE
CAST AND TEMPORARY
PROPS OMITTED.
POTENTIAL ISSUE OF
ACCESS AND SIZE OF
MOLE - HOLES

EXTENT OF PHASE TWO EXCAVATION
NEEDED TO BE ACCELERATED IN
ORDER TO CONSTRUCT CORE

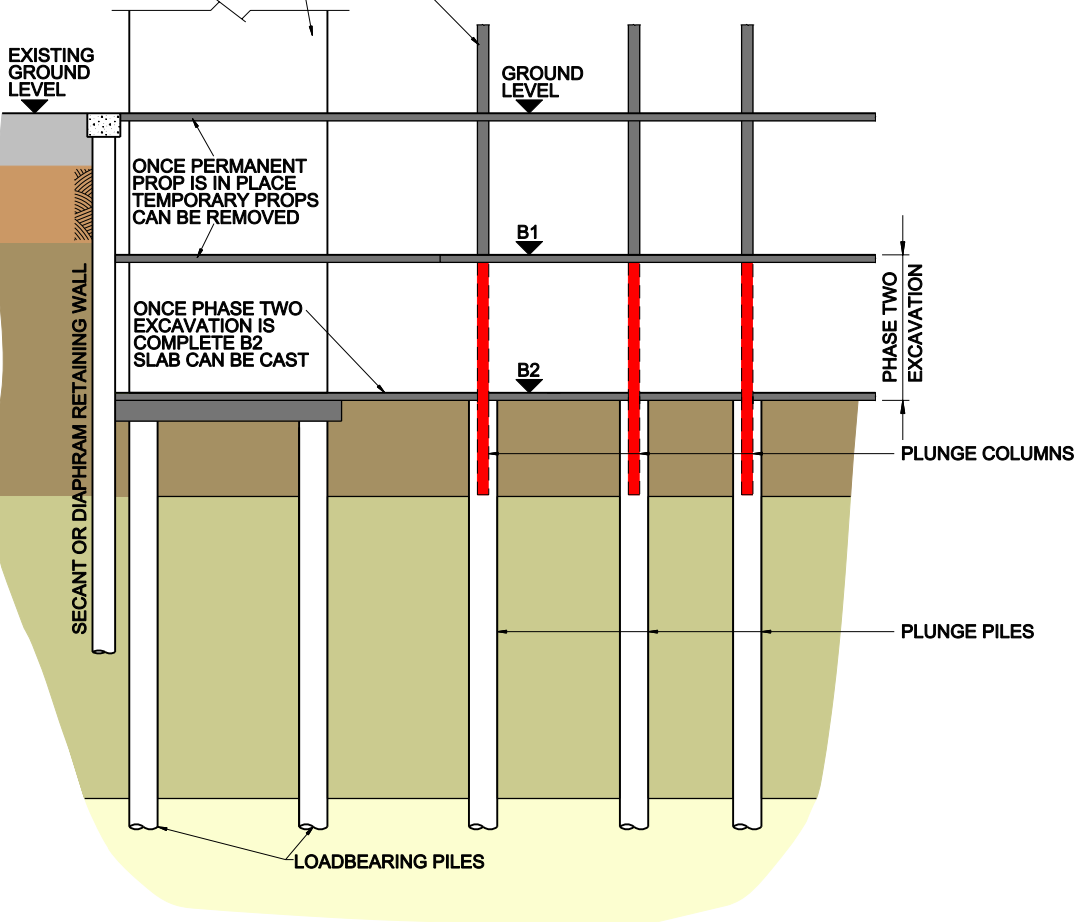
TEMPORARY PROPPING
LOCAL TO CORE
PROVIDED IN ORDER
THAT PHASE TWO
EXCAVATION CAN BE
LOCALLY ACCELERATED

STEEL WALING
BEAM



STAGE 1

CONSTRUCTION OF
SUPERSTRUCTURE
FRAME AND
CORE WALLS
CAN PROGRESS
TOGETHER



STAGE 2

P3	11.02.11	ISSUED FOR STAGE D	TS	CN
P2	26.07.10	ISSUED FOR STAGE C - NEW SCHEME	TS	CN
P1	16.02.10	ISSUED FOR INFORMATION	PO	RP

REV	DATE	DESCRIPTION	BY	CHECKED
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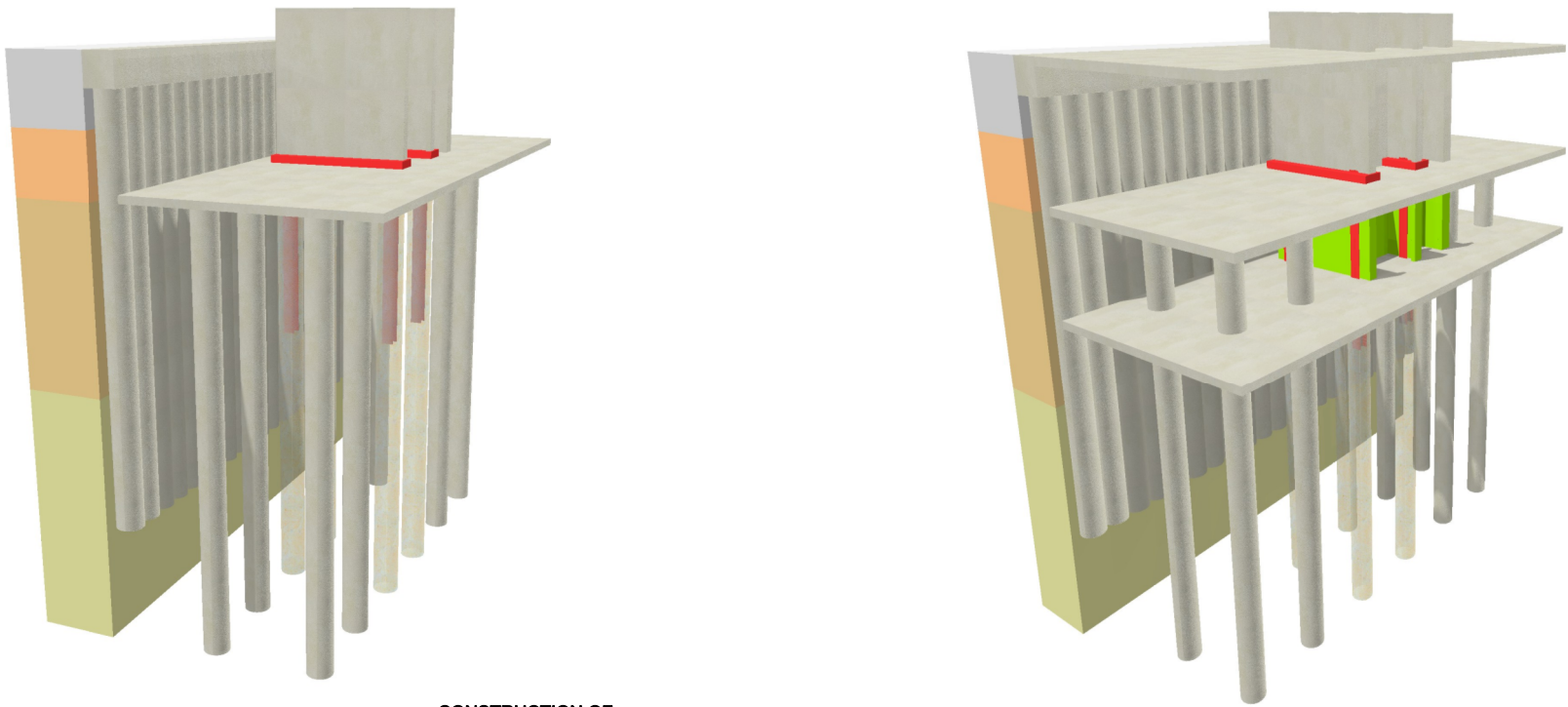
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TOP DOWN CONSTRUCTION
CORE CONSTRUCTION METHOD
(PRINCIPLES) OPTION B

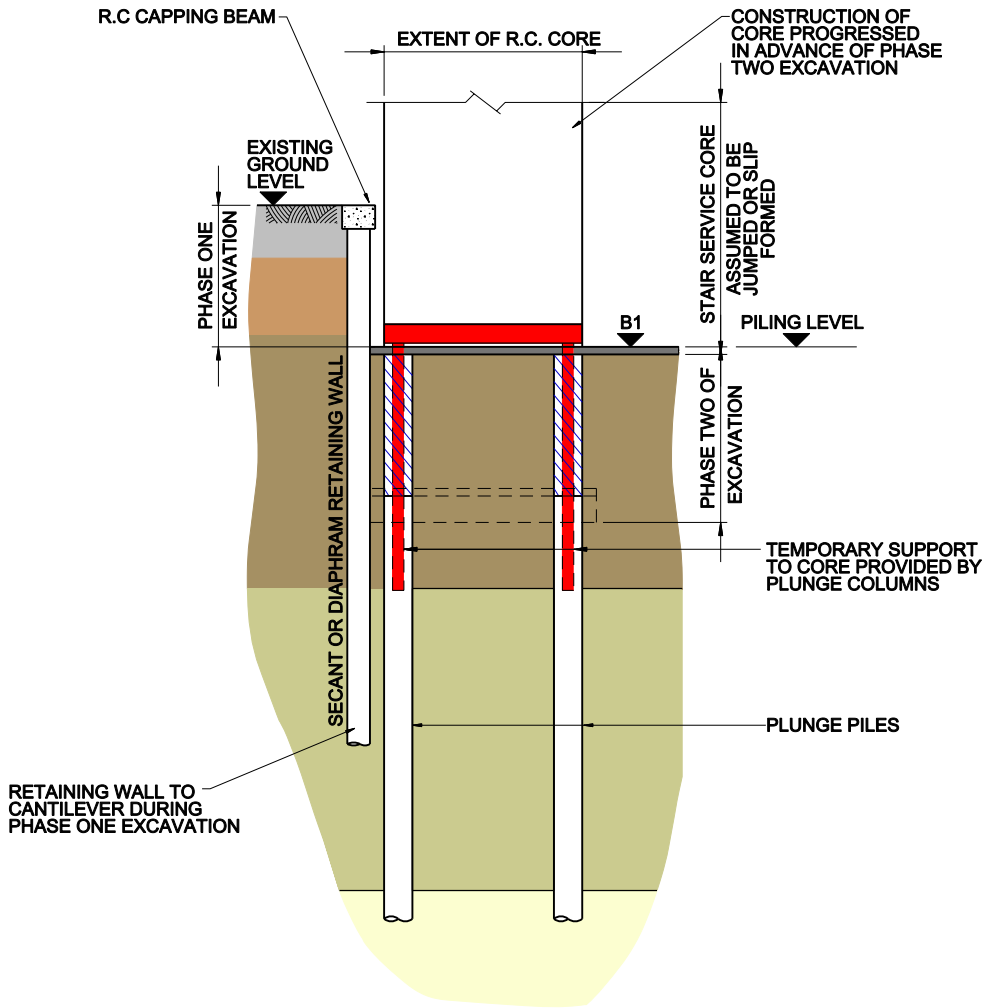
TITLE			
DRAWN PO	SCALE 1:200 @ A1	CAD FILENAME A041949-SK180.dgn	
DATE JAN '10	CHECKED RP	STATUS INFORMATION	
A041949	SK-260	P3	
PROJECT NO.	DRAWING NO.	REVISION	
PLOT DATE 11/02/2011 BY tdd44@hgh			

TOP DOWN CONSTRUCTION CORE CONSTRUCTION METHOD
(PRINCIPLES) OPTION A

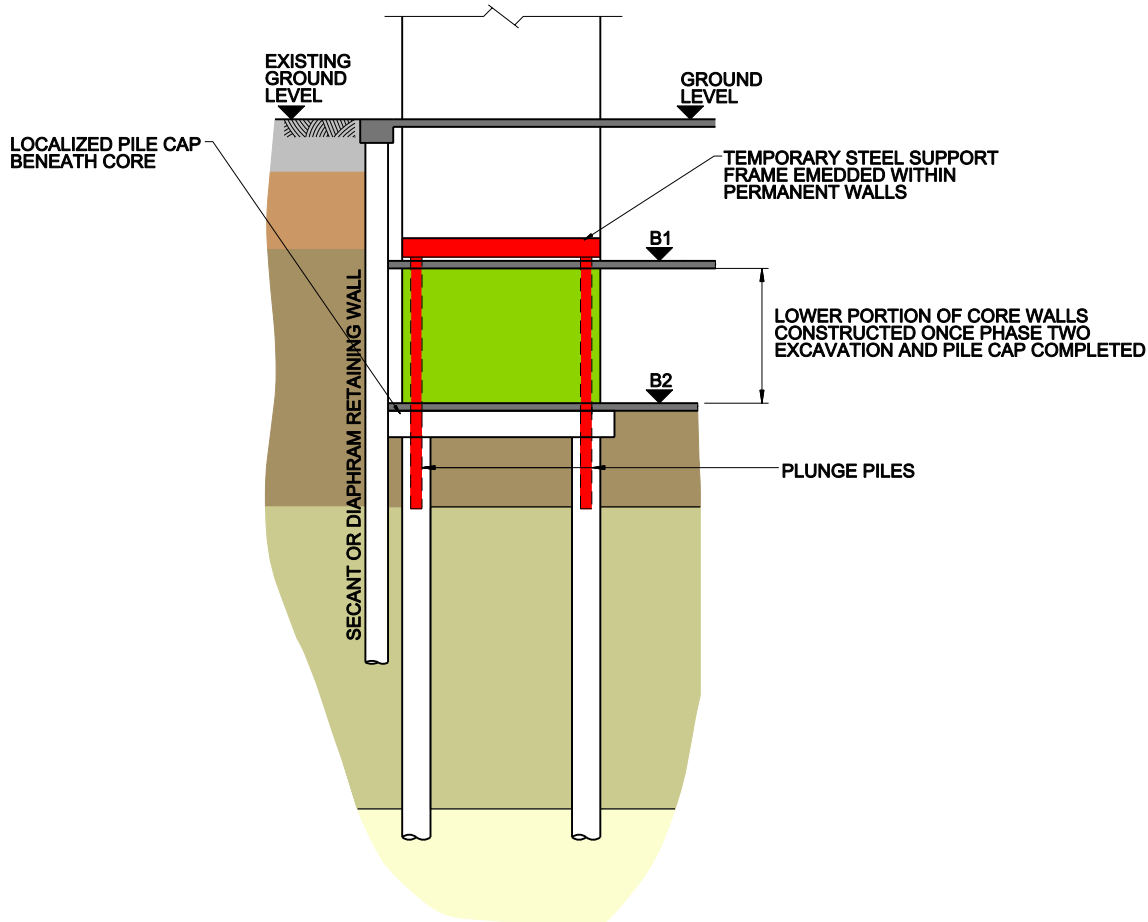


KEY LEGEND	
	MADE GROUND
	WEATHERED LONDON CLAY
	UNWEATHERED LONDON CLAY
	LAMBETH GROUP
	THANET SAND

DRAWING TO BE READ
IN CONJUNCTION WITH PILE
LEVEL OPTION C
DRAWING NO. A041949/SK604



STAGE 1



STAGE 2

P3	11.02.11	ISSUED FOR STAGE D	BB	CN
P2	28.07.10	ISSUED FOR STAGE C - NEW SCHEME	TS	CN
P1	16.02.10	ISSUED FOR INFORMATION	PO	RP

REV	DATE	DESCRIPTION	BY	CHECKED
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TOP DOWN CONSTRUCTION
CORE CONSTRUCTION METHOD
(PRINCIPLES) OPTION A

TITLE				
DRAWN	PO	SCALE	1:200 @ A1	CAD FILENAME A041949-SK180.dgn
DATE	JAN '10	CHECKED	RP	STATUS INFORMATION
PROJECT NO.	A041949	DRAWING NO.	SK-261	REVISION P3
PLOT DATE 11/02/2011 BY: todd.leather				