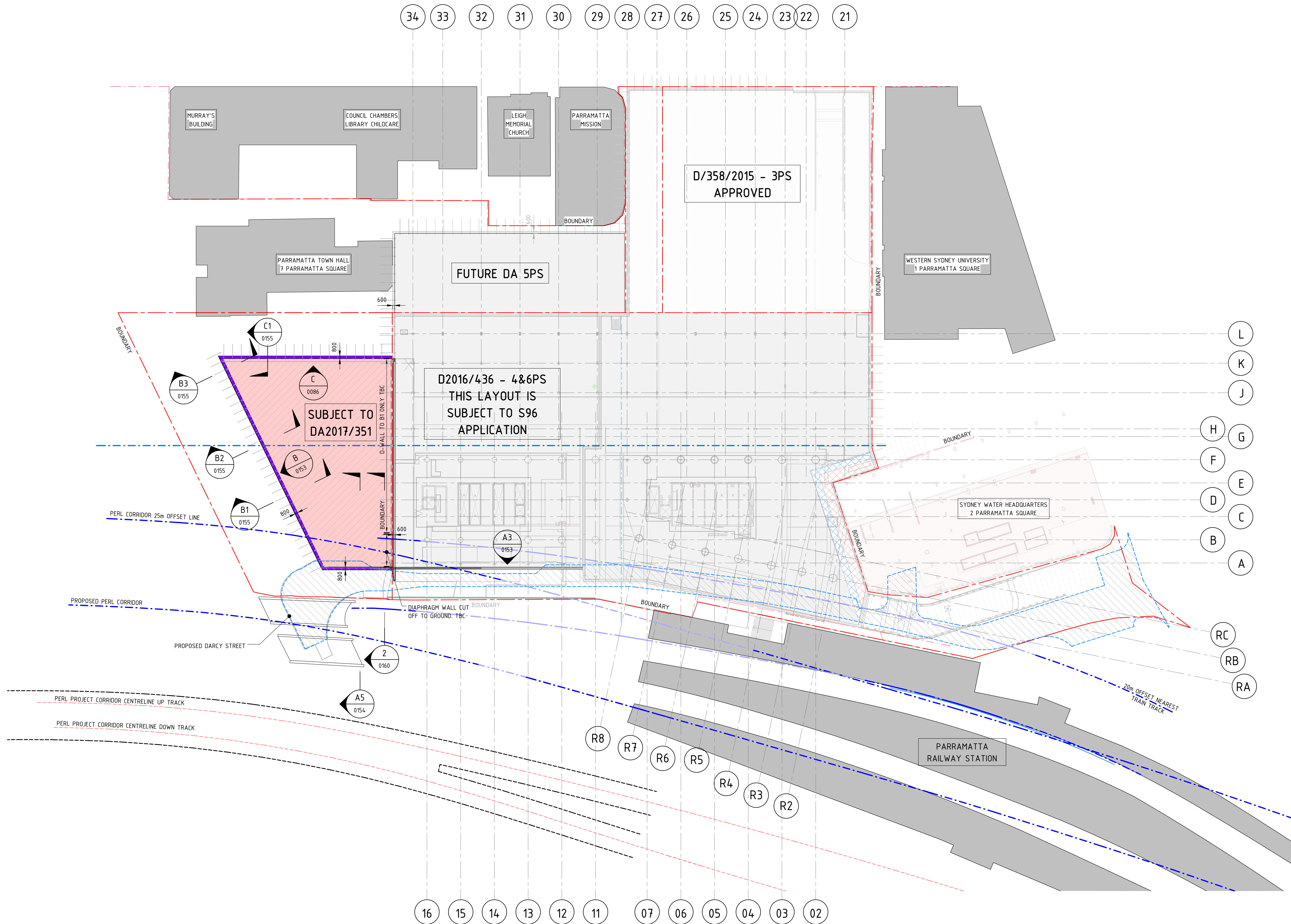




REV	DATE	DESCRIPTION	RVD	REV	DATE	DESCRIPTION	RVD
REVISIONS				REVISIONS			
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D	22.08.17	ISSUED FOR BPS EARLY WORKS DA	CLP				
C	26.07.17	ISSUED FOR BPS EARLY WORKS DA	AL				
B	29.06.17	ISSUED FOR BPS EARLY WORKS DA	AL				
A	01.03.17	ISSUED FOR BPS EARLY WORKS DA	CLP				



CLIENT
walker
Walker Corporation
Level 21 Governor Macquarie Tower
1 Farrer Place, SYDNEY NSW 2000 Australia
Telephone +61 8273 1600
Facsimile +61 8273 1600

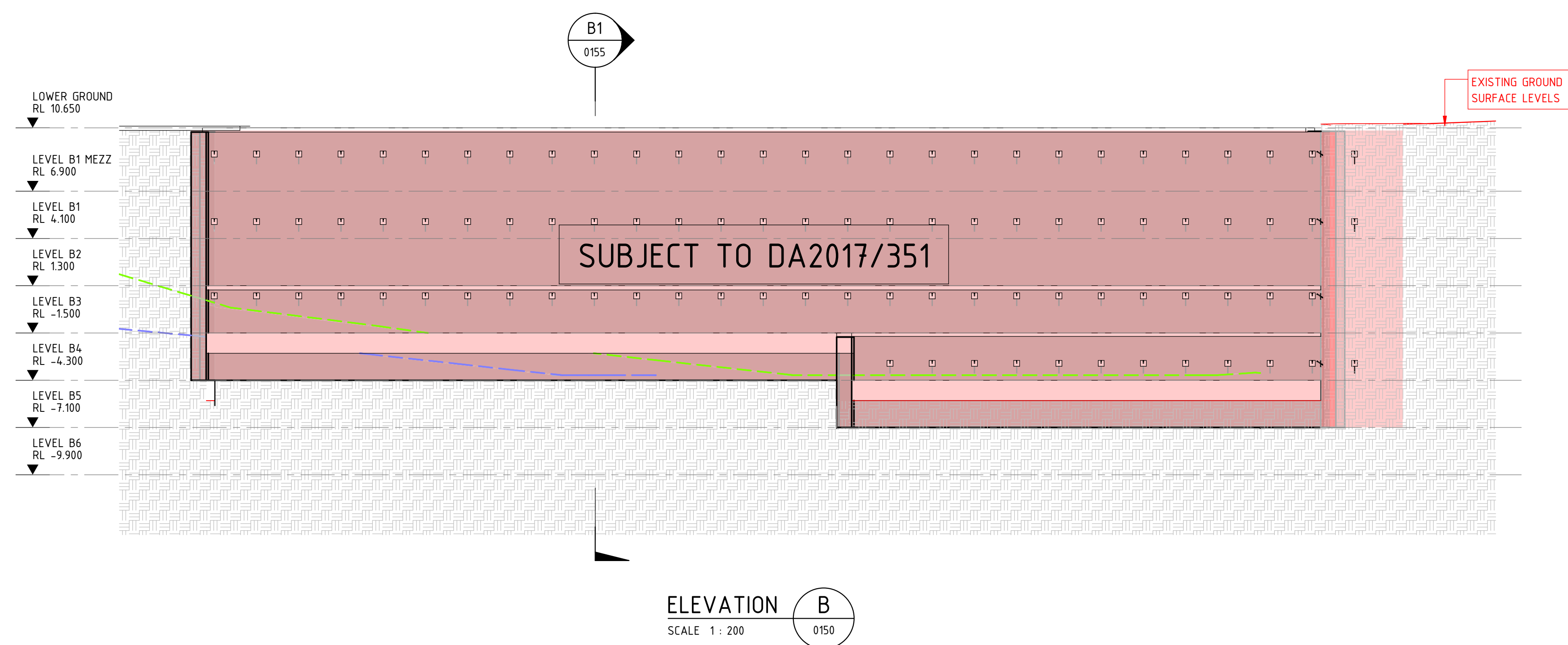
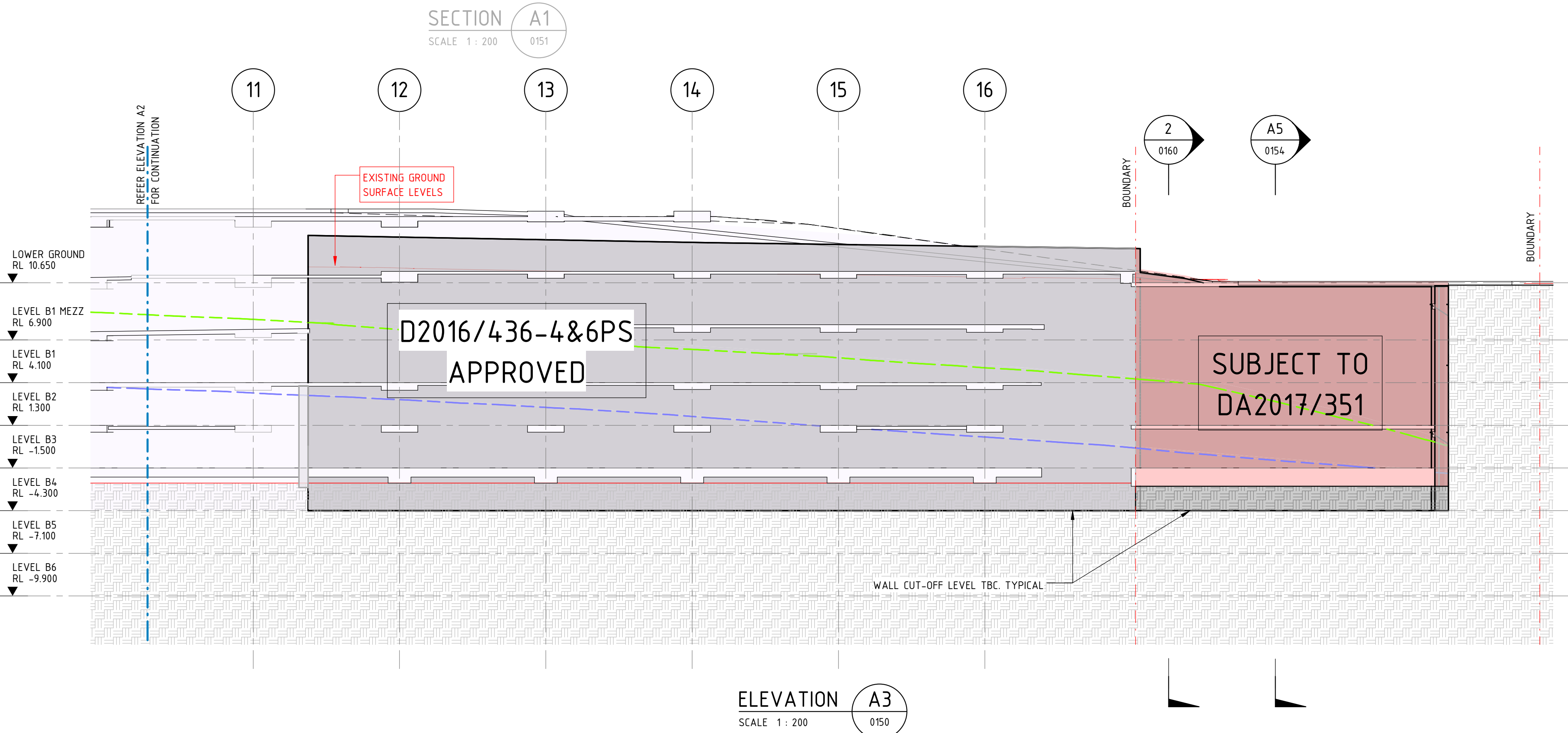
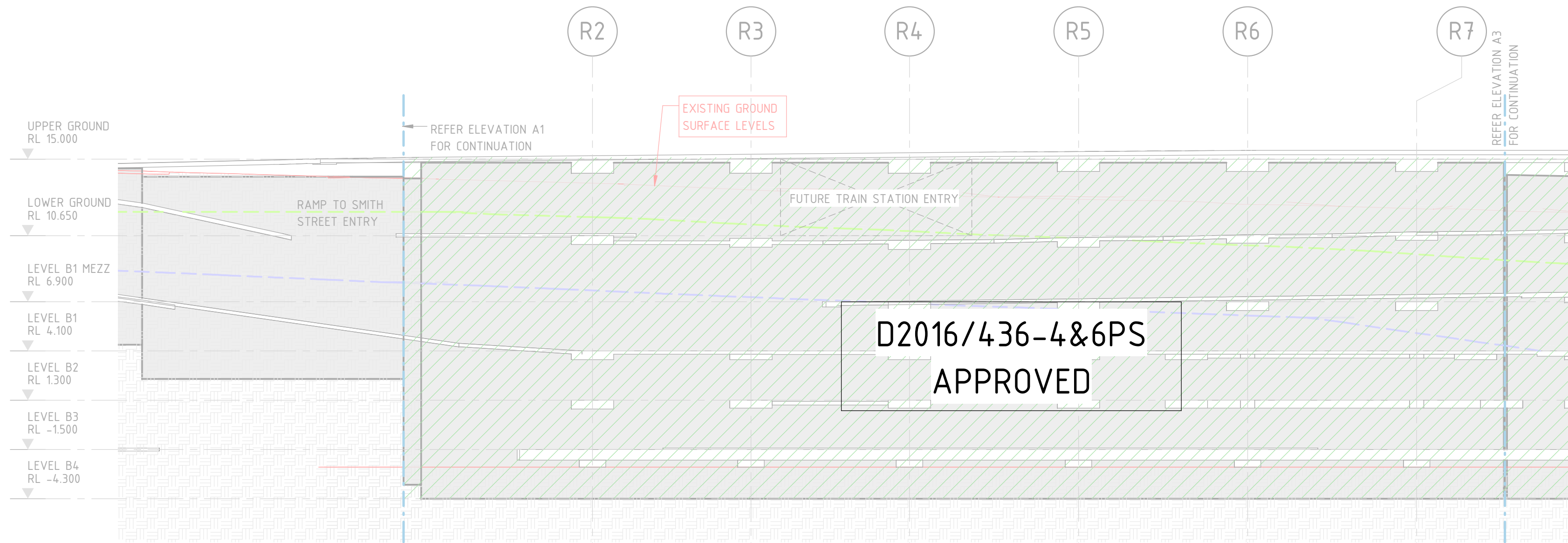
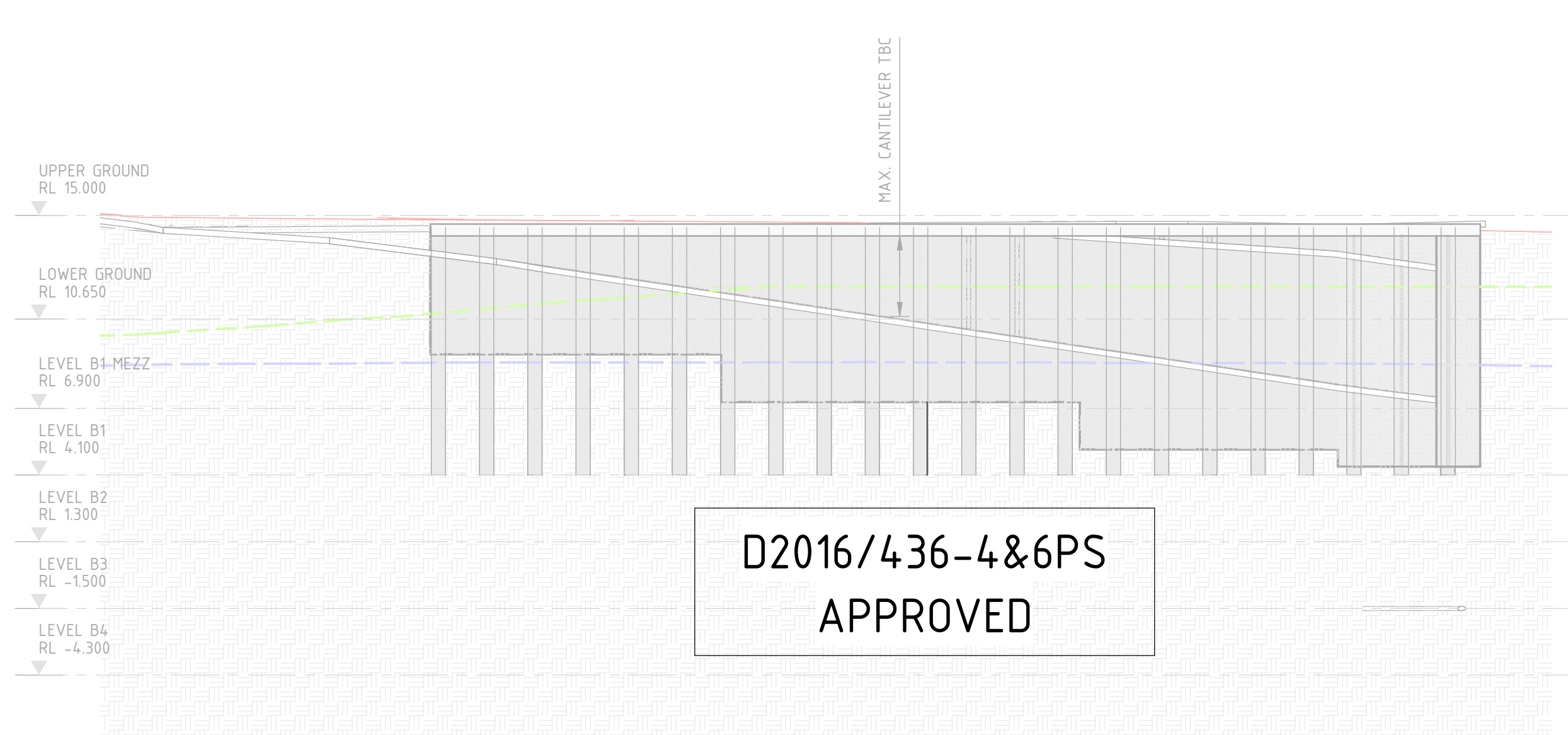
ARCHITECT
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E: info@bg&e.com
bg&e.com—

PROJECT
8 PARRAMATTA SQUARE
DARCY ST, PARRAMATTA, N.S.W.
(EARLY WORKS PACKAGE)

STATUS			
ISSUED FOR DA APPROVAL			
DRAWN CLP	DESIGNED MF/PR	CHECKED VB	APPROVED JC
DATUM	GRID	SCALE 1 : 500	AT B1 SIZE

TITLE		PROJECT No.	DRAWING No.	REV
8 PARRAMATTA SQUARE EARLY WORKS STAGING		S15243	S-0150	E



SURFACE LEVELS KEY PLAN:

--- DENOTES APPROX. EXTENT OF LOW STRENGTH SHALE

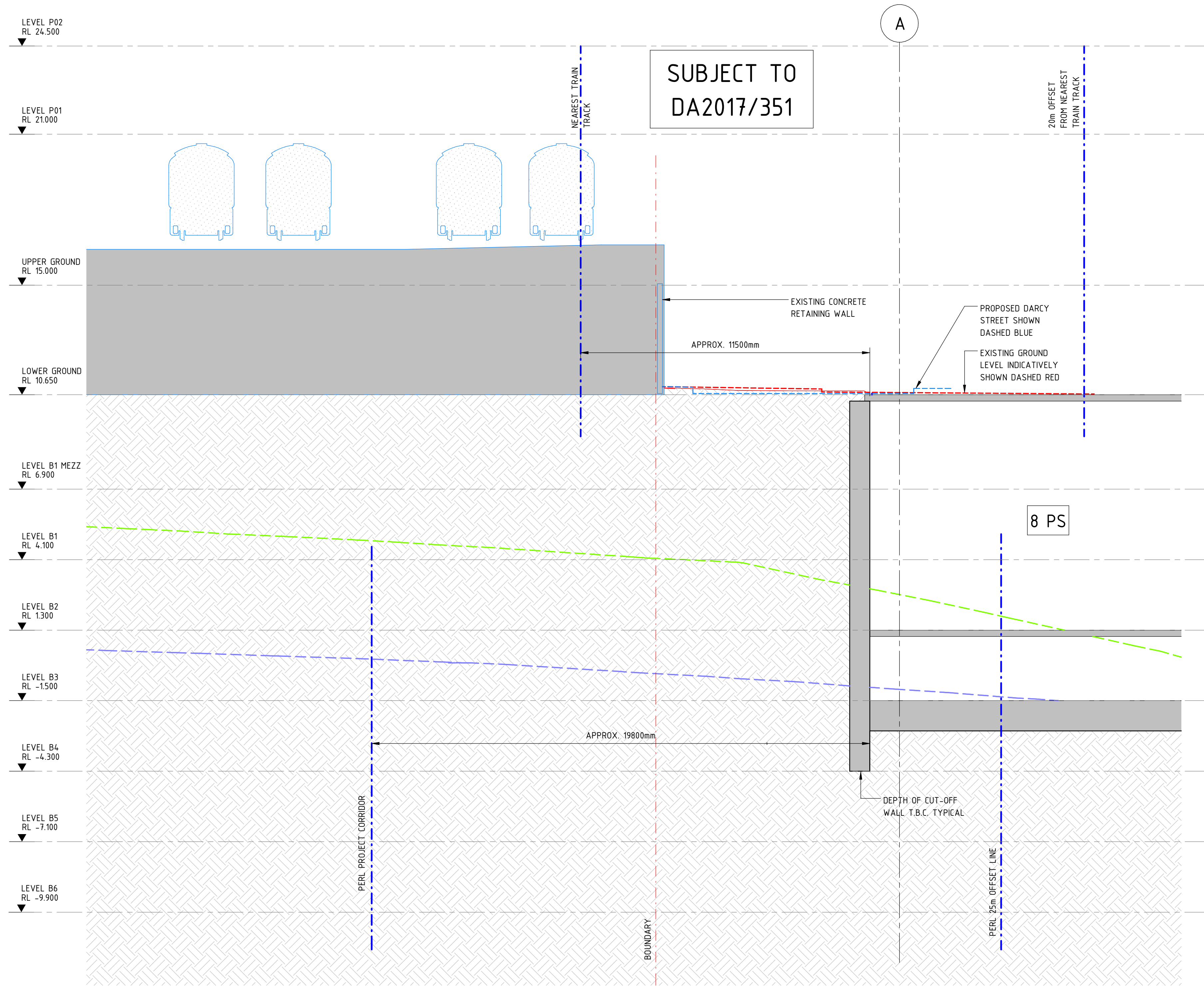
--- DENOTES APPROX. EXTENT OF MID STRENGTH SHALE

NOTE:

ALL EXISTING INGROUND SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF EXCAVATION, INSTALLATION OF SOLDIERS AND ANCHORS

SELF SUPPORTING VERTICAL CUT ROCK FACE IN MEDIUM STRENGTH ROCK TO BE INSPECTED BY GEOTECHNICAL ENGINEER AS EXCAVATION PROGRESSES. ADDITIONAL ROCK BOLTING TO BE PROVIDED WHERE REQUIRED TO ENSURE STABILITY OF ROCK FACE

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SECTION A5
SCALE 1 : 100
0/150

SURFACE LEVELS KEY PLAN:
--- DENOTES APPROX. EXTENT OF LOW STRENGTH SHALE
--- DENOTES APPROX. EXTENT OF MID STRENGTH SHALE

NOTE:
ALL EXISTING INGROUND SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF EXCAVATION, INSTALLATION OF SOLDIERS AND ANCHORS

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REV	DATE	DESCRIPTION	RVD	REV	DATE	DESCRIPTION	RVD
E	23.08.17	ISSUED FOR BPS EARLY WORKS DA	CLP				
D	22.08.17	ISSUED FOR BPS EARLY WORKS DA	CLP				
C	26.07.17	ISSUED FOR BPS EARLY WORKS DA	AL				
B	29.06.17	ISSUED FOR BPS EARLY WORKS DA	AL				
A	01.03.17	ISSUED FOR BPS EARLY WORKS DA	CLP				
REV	DATE	DESCRIPTION	RVD	REV	DATE	DESCRIPTION	RVD
REVISIONS				REVISIONS			

CLIENT

walker

Walker Corporation
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Facsimile +61 8273 1600

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bg&e

PROJECT

8 PARRAMATTA SQUARE
DARCY ST, PARRAMATTA, N.S.W.
(EARLY WORKS PACKAGE)

STATUS

ISSUED FOR DA APPROVAL

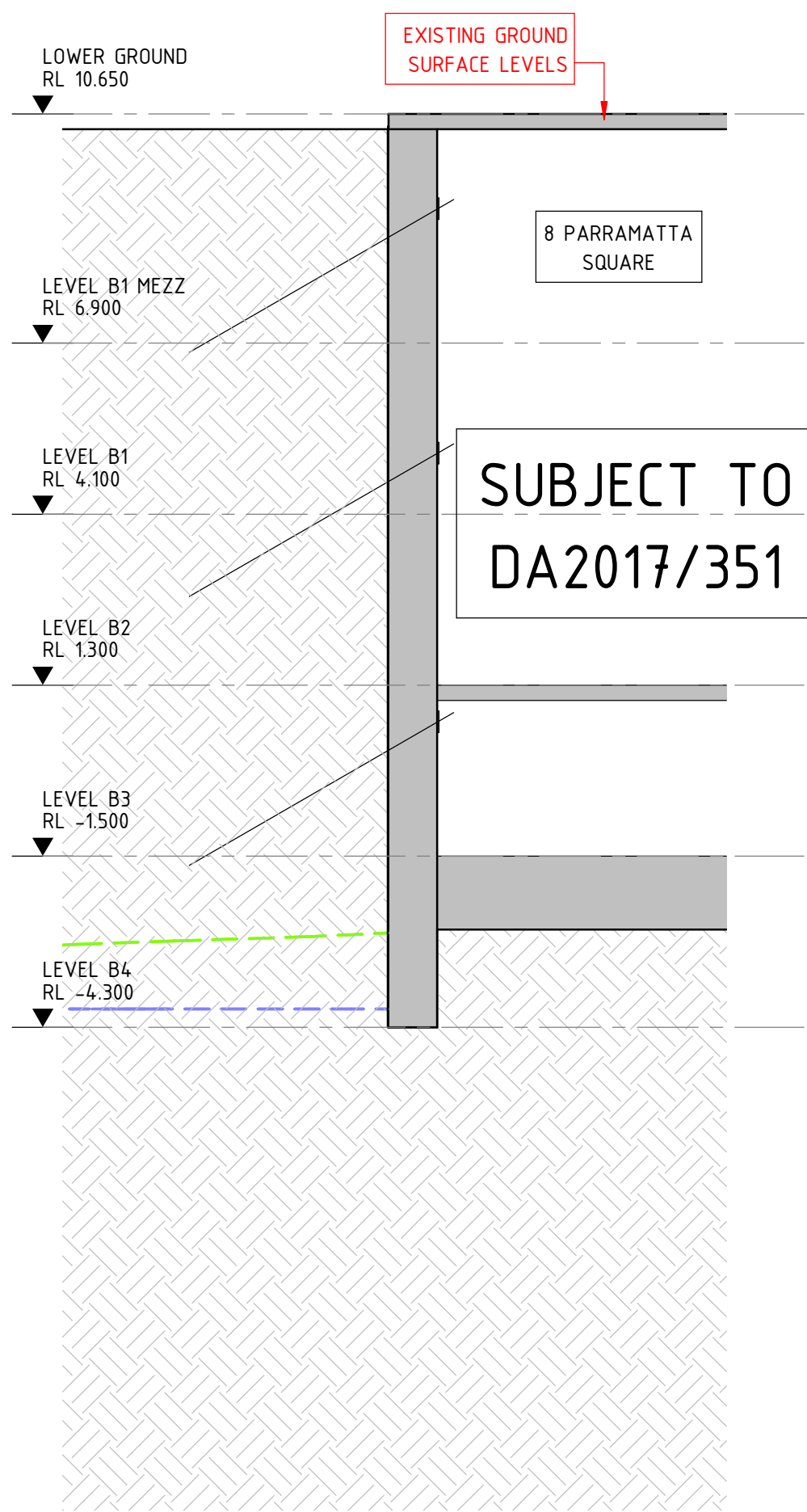
DRAWN	DESIGNED	CHECKED	APPROVED
AL	MF/PR	VB	JC
DATUM	GRD	SCALE	As indicated

AT B1 SIZE

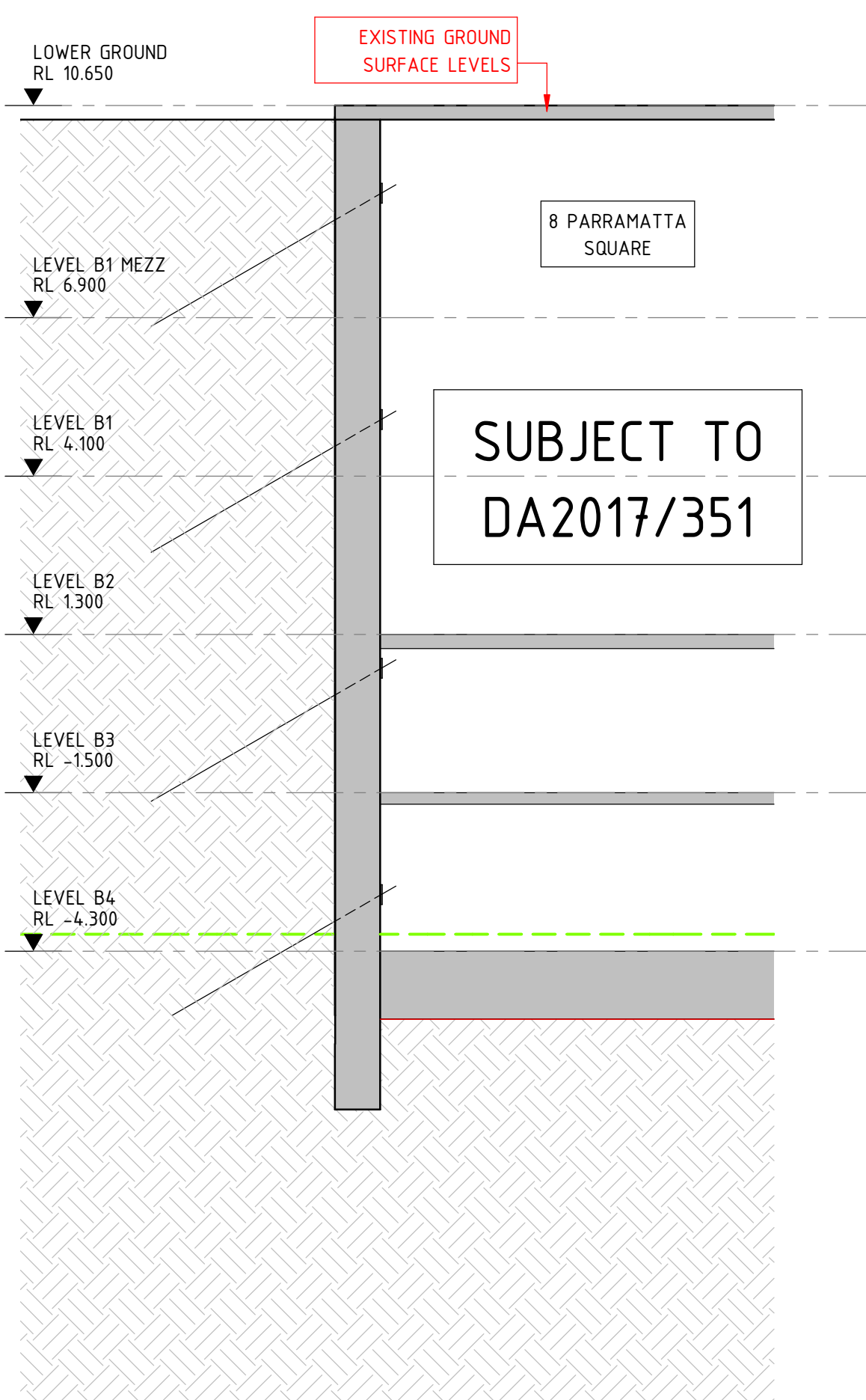
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RETENTION WALL SECTIONS
SHEET 2

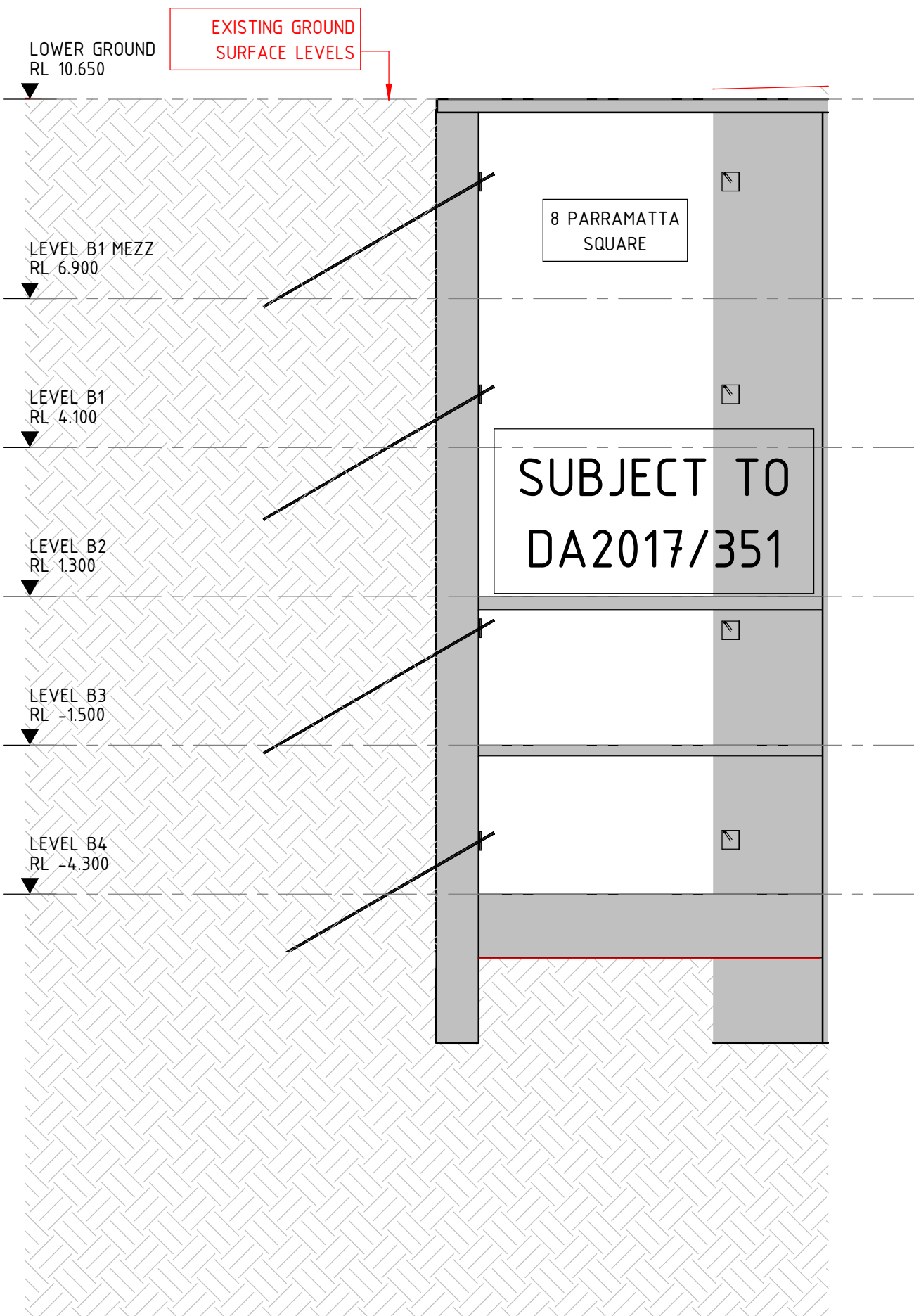
PROJECT NO.	DRAWING NO.	REV
S15243	S-0154	E



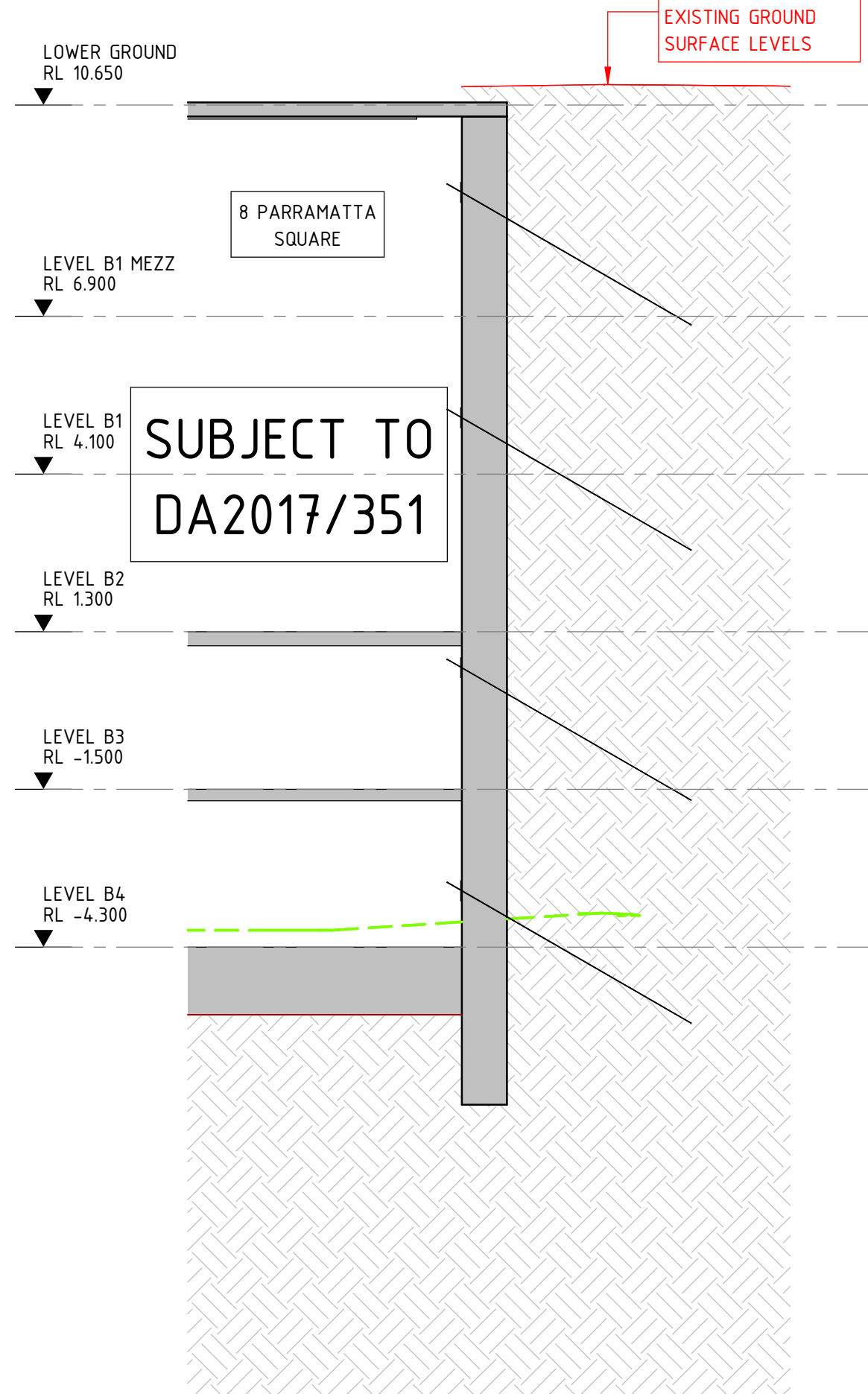
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SCALE 1 : 100 0150



SECTION **B2**
SCALE 1 : 100 0150



SECTION **B3**
SCALE 1 : 100 0150



SECTION **C1**
SCALE 1 : 100 0086

NOTE:
ALL EXISTING INGROUND SERVICES TO BE
LOCATED PRIOR TO COMMENCEMENT OF
EXCAVATION, INSTALLATION OF
RETENTION WALL AND ANCHORS

SELF SUPPORTING VERTICAL CUT ROCK FACE IN
MEDIUM STRENGTH ROCK TO BE INSPECTED BY
GEOTECHNICAL ENGINEER AS EXCAVATION
PROGRESSES. ADDITIONAL ROCK BOLTING TO BE
PROVIDED WHERE REQUIRED TO ENSURE
STABILITY OF ROCK FACE

SURFACE LEVELS KEY PLAN:
--- DENOTES APPROX. EXTENT OF LOW STRENGTH SHALE
--- DENOTES APPROX. EXTENT OF MID STRENGTH SHALE

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E	23.08.17	ISSUED FOR BPS EARLY WORKS DA	CLP				
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A	01.03.17	ISSUED FOR BPS EARLY WORKS DA	CLP				
REV	DATE	DESCRIPTION	RVD	REV	DATE	DESCRIPTION	RVD
REVISIONS				REVISIONS			

CLIENT	Walker Corporation Level 21 Governor Macquarie Tower 1 Farrer Place, SYDNEY NSW 2000 Australia Telephone +61 8273 1600 Facsimile +61 8273 1600
--------	--

ARCHITECT	JPW JOHNSON PILTON WALKER Johnson Pilton Walker Pty Ltd ACN 095 778 885 Level 10 Plaza Building Australia Square 95 Pitt Street Sydney New South Wales 2000 Australia Telephone +61 2 9250 5000 Facsimile +61 2 9250 5000 Email jpww@jpww.com.au
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P/+61 2 9770 3300
E: info@bg&e.com.au
bg&e.com—

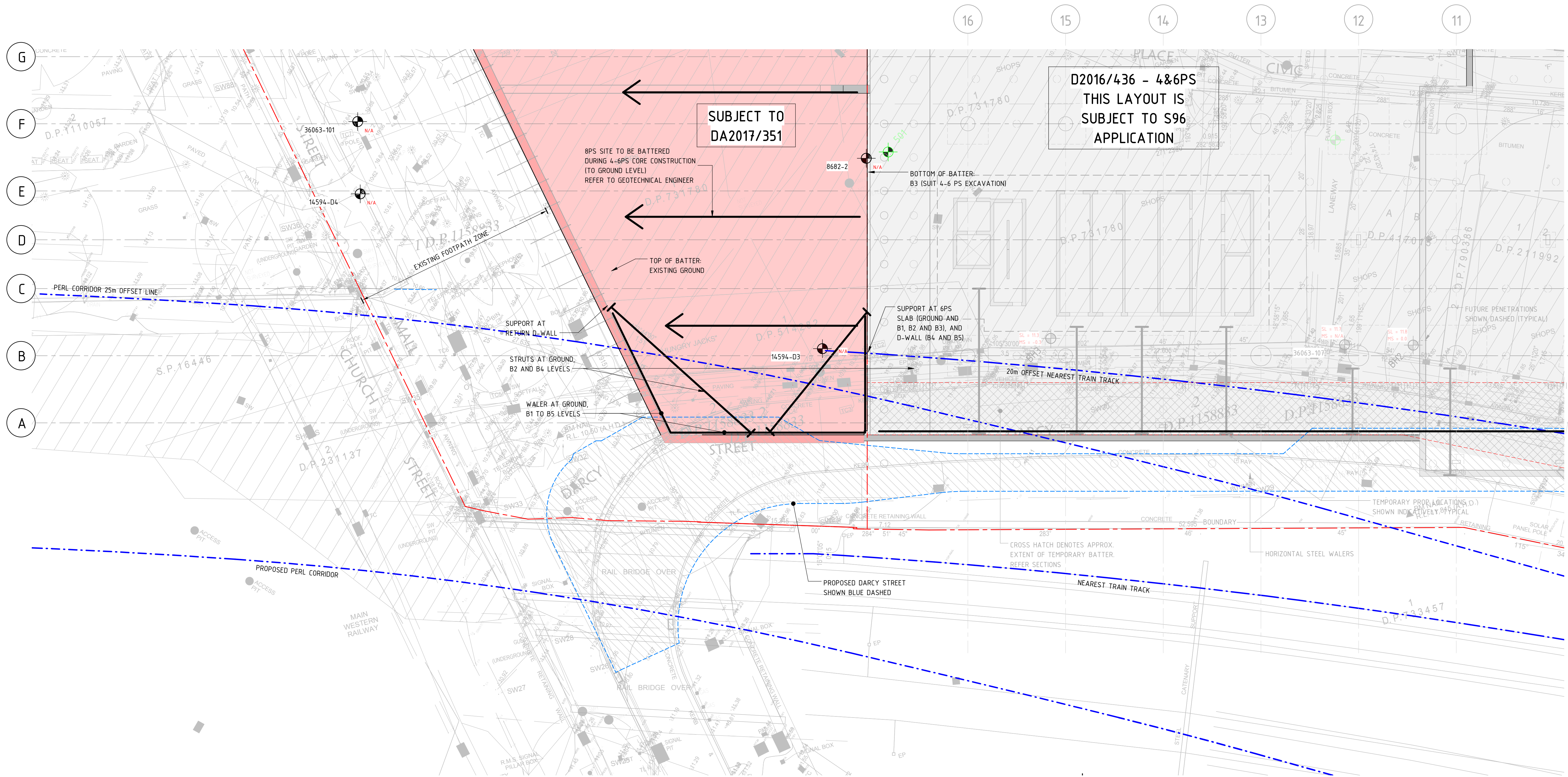


8 PARRAMATTA SQUARE
DARCY ST, PARRAMATTA, N.S.W.
(EARLY WORKS PACKAGE)

STATUS			
ISSUED FOR DA APPROVAL			
DRAWN	DESIGNED	CHECKED	APPROVED
AL	MF/PR	VB	JC
DATUM	GRD	SCALE	As indicated
AT B1 SIZE			

TITLE		
RETENTION WALL SECTIONS SHEET 3		
PROJECT No.	DRAWING No.	REV
S15243	S-0155	E

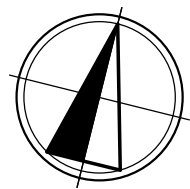
© RG&F Pty. Limit



8PS ALTERNATIVE CONSTRUCTION SEQUENCE
SCALE 1 : 200

ALTERNATIVE CONSTRUCTION SEQUENCE
FOR 8PS USING STRUTS RATHER THAN
SLAB STRIPS. STAGES 13 TO 17 SIMILAR

REV	DATE	DESCRIPTION	RVD	REV	DATE	DESCRIPTION	RVD
E	23.08.17	ISSUED FOR 8PS EARLY WORKS DA	CLP				
D	22.08.17	ISSUED FOR 8PS EARLY WORKS DA	CLP				
C	26.07.17	ISSUED FOR 8PS EARLY WORKS DA	AL				
B	29.06.17	ISSUED FOR 8PS EARLY WORKS DA	AL				
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REV	DATE	DESCRIPTION	RVD	REV	DATE	DESCRIPTION	RVD



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Sydney Office—
L2 8 Windmill St Sydney NSW 2000
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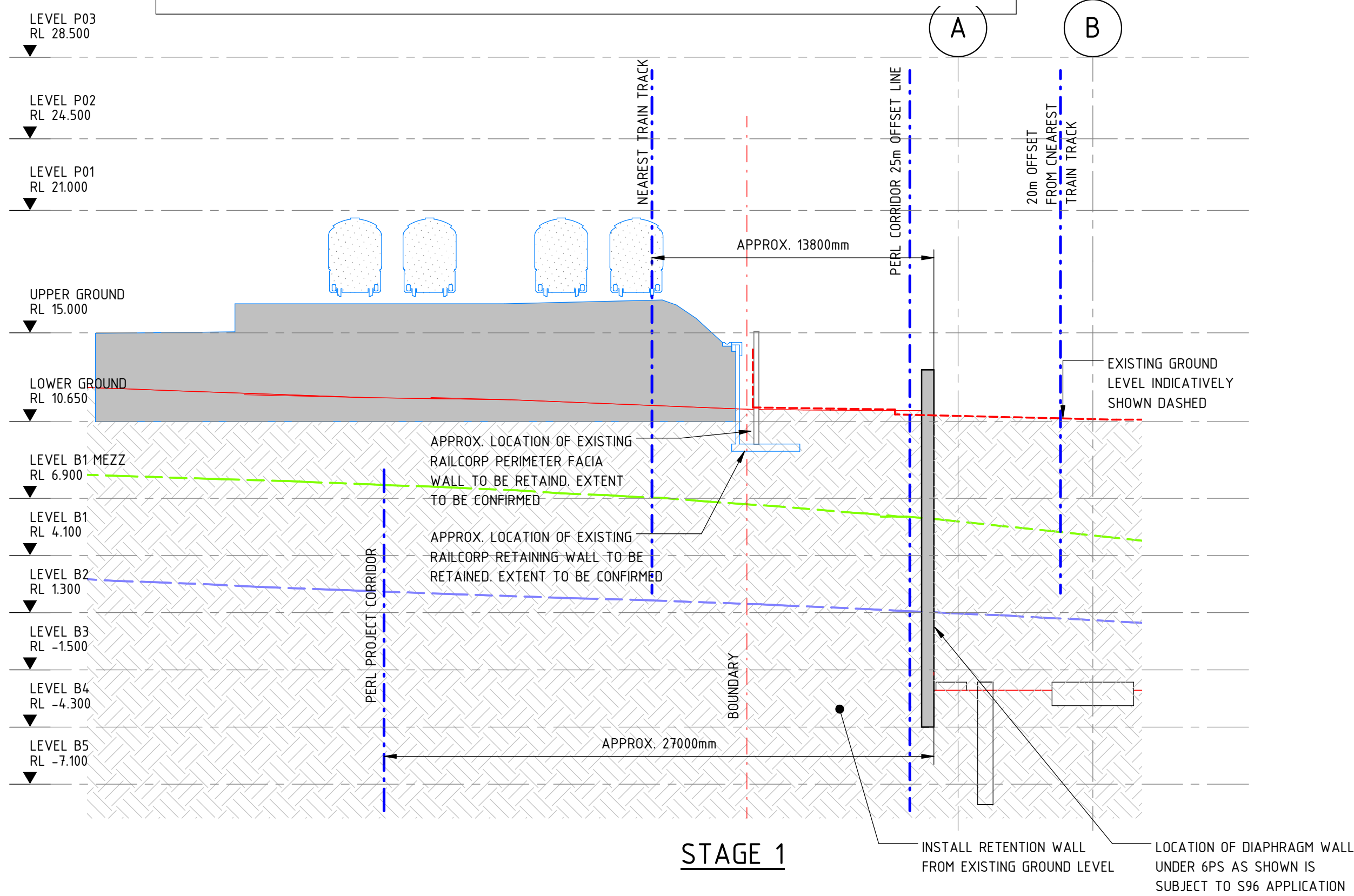


PROJECT
8 PARRAMATTA SQUARE
DARCY ST, PARRAMATTA, N.S.W.
(EARLY WORKS PACKAGE)

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ISSUED FOR DA APPROVAL			
DRAWN	DESIGNED	CHECKED	APPROVED
CLP	MF/PR	VB	JC
DATUM	GRD	SCALE	1 : 200

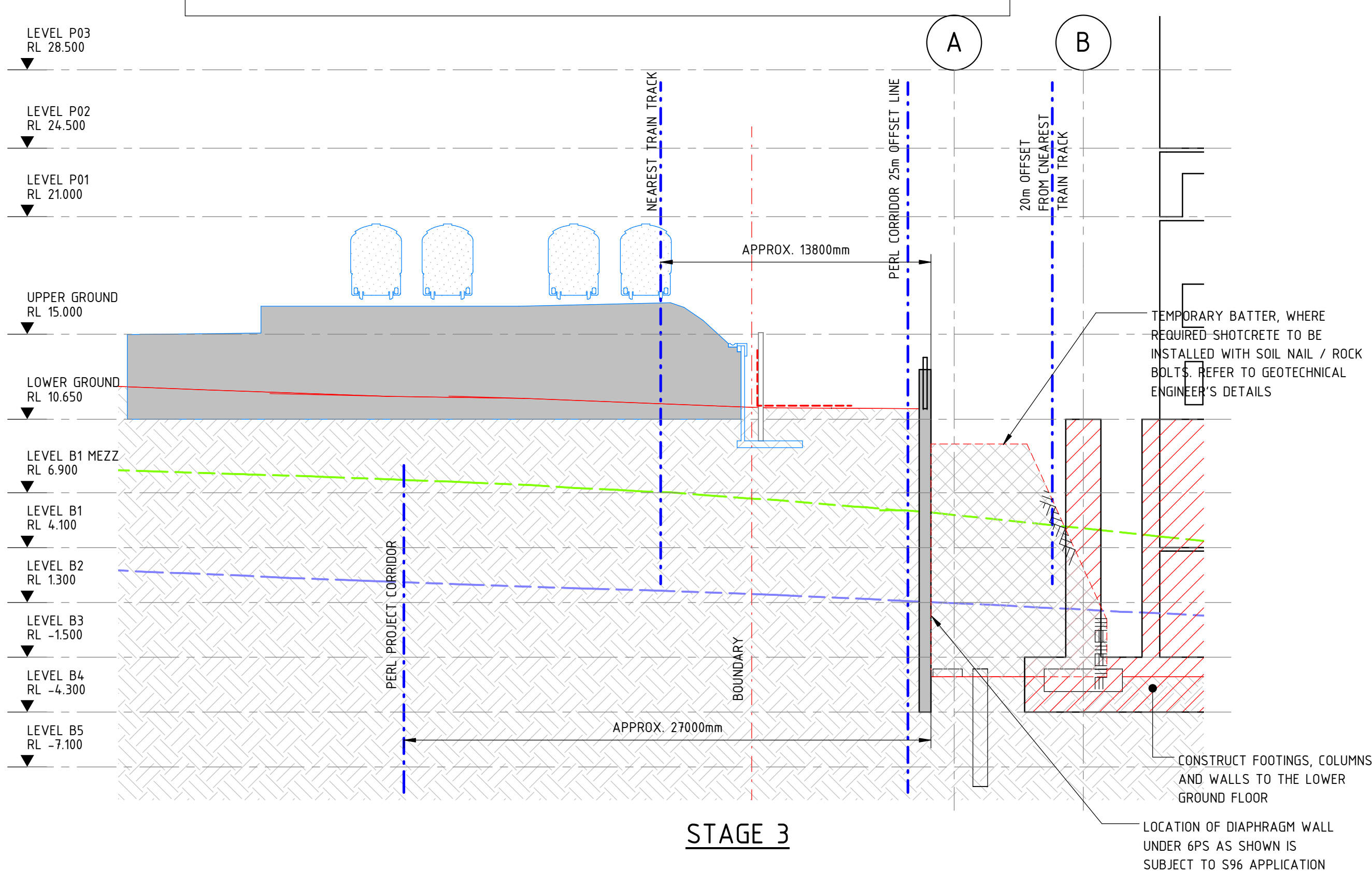
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PROJECT No.	DRAWING No.	REV
S15243	S-0157	E

D2016/436 - 4&6PS
THIS LAYOUT IS SUBJECT TO S96 APPLICATION



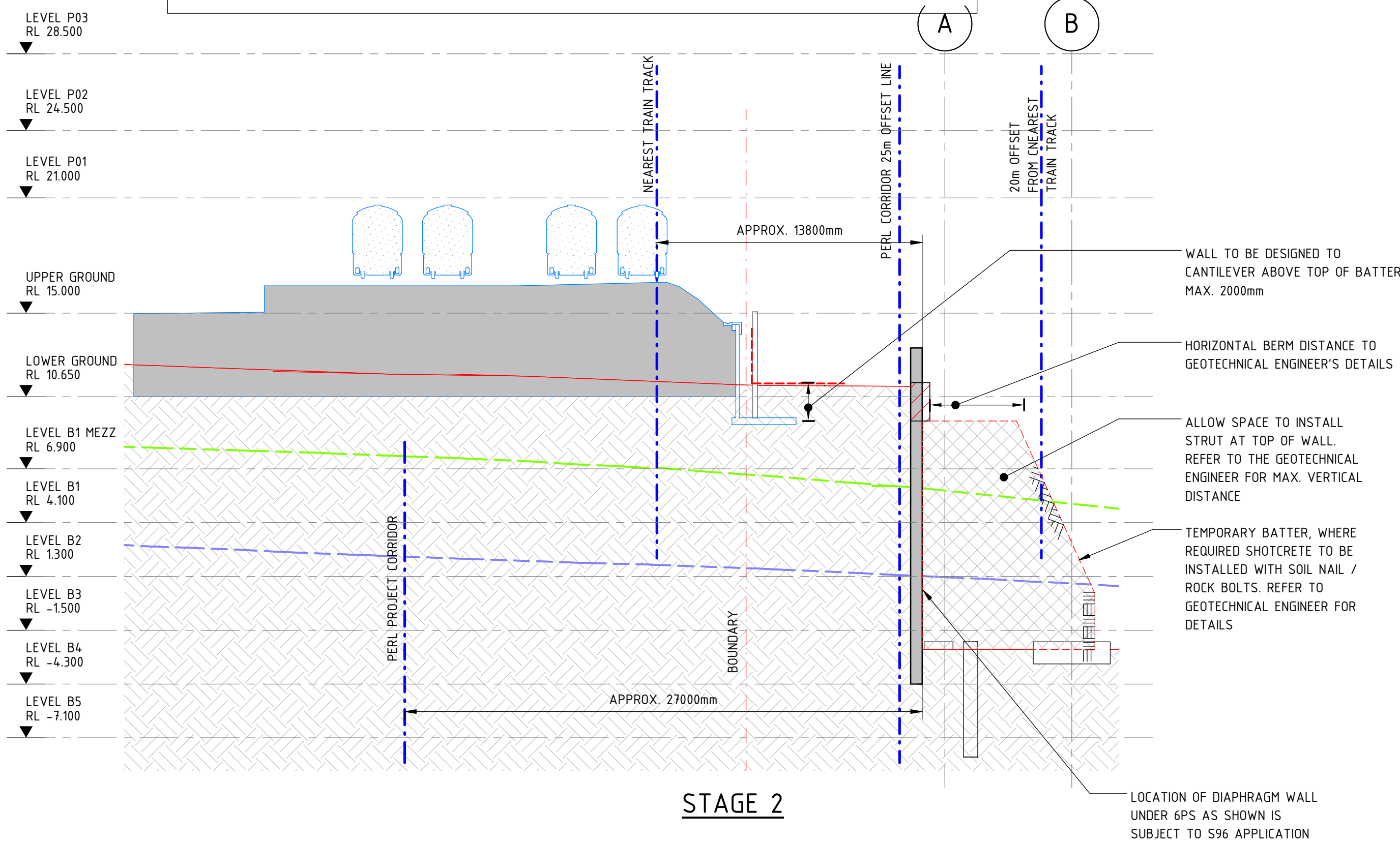
SECTION 1
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D2016/436 - 4&6PS
THIS LAYOUT IS SUBJECT TO S96 APPLICATION



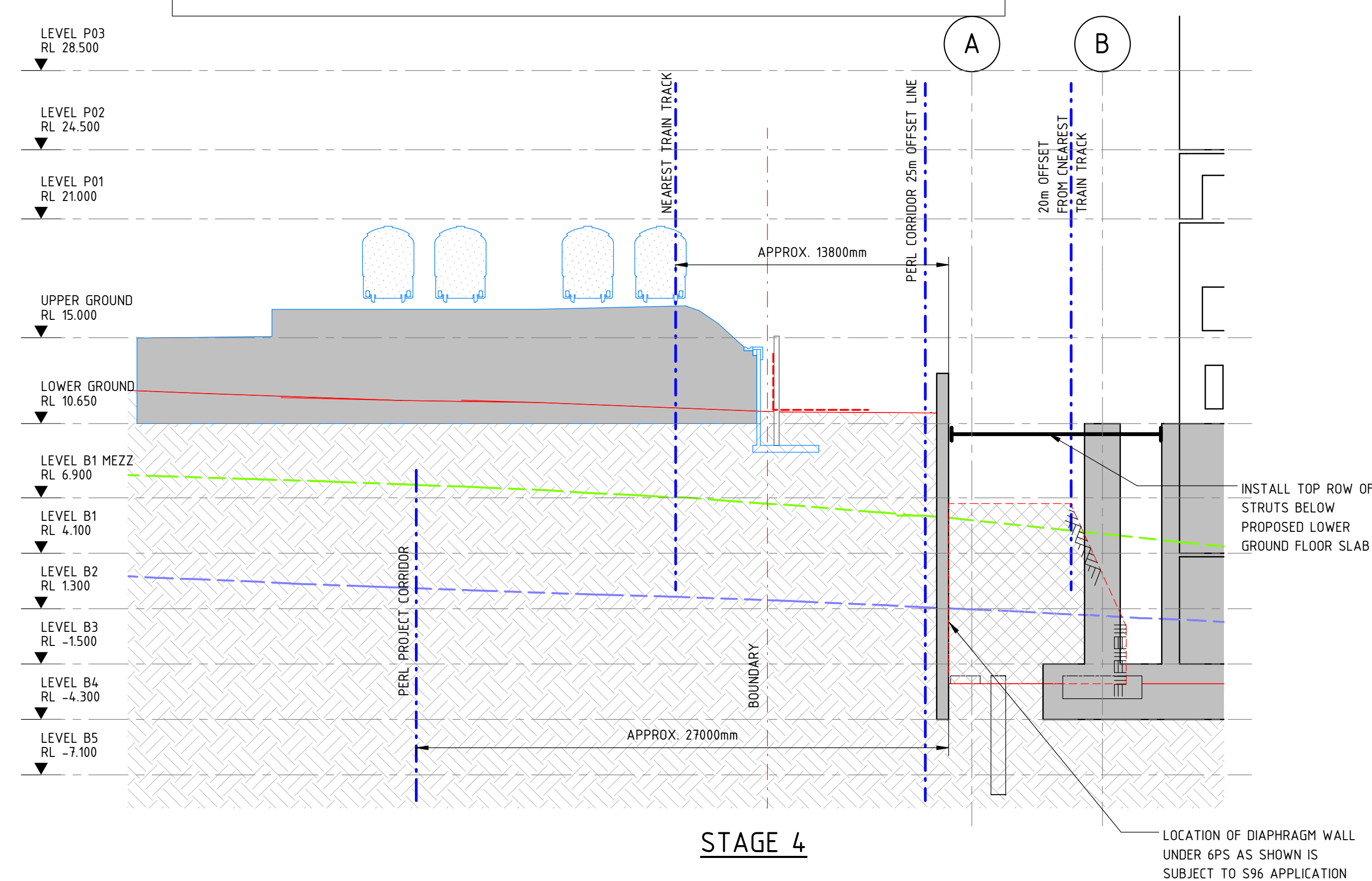
STAGE 3

D2016/436 - 4&6PS
THIS LAYOUT IS SUBJECT TO S96 APPLICATION



STAGE 2

D2016/436 - 4&6PS
THIS LAYOUT IS SUBJECT TO S96 APPLICATION



STAGE 4

NOTE:
ALL EXISTING INGROUND SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF EXCAVATION, INSTALLATION OF RETENTION WALL AND ANCHORS

SELF SUPPORTING VERTICAL CUT ROCK FACE IN MEDIUM STRENGTH ROCK TO BE INSPECTED BY GEOTECHNICAL ENGINEER AS EXCAVATION PROGRESSES. ADDITIONAL ROCK BOLTING TO BE PROVIDED WHERE REQUIRED TO ENSURE STABILITY OF ROCK FACE

4 & 6 PS CONSTRUCTION SEQUENCE:

- STAGE 1: CONSTRUCT RETENTION WALL
- STAGE 2: EXCAVATE THE 4 AND 6 PS SITE, LEAVING THE BATTER AS INDICATED ALONG SOUTHERN WALL AND 8 PS SITE. REFER TO GEOTECHNICAL ENGINEER FOR TEMPORARY BATTER SUPPORT DETAILS
- STAGE 3: CONSTRUCT THE FOOTINGS, PRIMARY COLUMNS AND WALLS TO LOWER GROUND
- STAGE 4: INSTALL TOP ROW OF STRUTS
- STAGE 5: EXCAVATE THE BATTER TO B1 LEVEL
- STAGE 6: INSTALL SECOND ROW OF STRUTS
- STAGE 7: EXCAVATE TO B.E.L.
- STAGE 8: CONSTRUCT B2, B3 AND B1 SLABS
- STAGE 9: REMOVE LOWER ROW OF STRUTS
- STAGE 10: CONSTRUCT B1 AND LOWER GROUND SLABS
- STAGE 11: REMOVE TOP ROW OF STRUTS

8 PS CONSTRUCTION SEQUENCE:

- STAGE 12: CONSTRUCT TEMPORARY PILES AND DARCY STREET SLAB AT GROUND LEVEL
- STAGE 13: EXCAVATE THE 8 PS SITE TO B1
- STAGE 14: CONSTRUCT SOUTHERN SLAB STRIP AT B1, CONNECTING TO THE B1 SLAB AT 6 PS. ALTERNATIVELY USE STEEL STRUTS TO RETURN WALL (WEST SIDE) AND 6 PS SLAB (EAST SIDE)
- STAGE 15: REPEAT STAGES 13 AND 14 AT B2, B3, B4 AND B5
- STAGE 16: EXCAVATE 8 PS SITE TO B6
- STAGE 17: CONSTRUCT 8 PS SITE FROM B6 UPWARDS, CONNECTING BACK INTO THE SLAB STRIPS AT B4 AND B2

DARCY STREET RAMP
CONSTRUCTION SEQUENCE:

- STAGE A: INSTALL PILES ALONG SOUTHERN WALL OF RAMP AND POUR CAPPING BEAM
- STAGE B: EXCAVATE HIT AND MISS TO RAMP SLAB LEVEL (VARIES) IN STAGES, INSTALLING TEMPORARY DIAGONAL STRUTS (3 OF SHOWN ON PLAN) TO THE CAPPING BEAM
- STAGE C: POUR RAMP LID SLAB. REMOVE STRUTS.

SURFACE LEVELS KEY PLAN:
--- DENOTES APPROX. EXTENT OF LOW STRENGTH SHALE
--- DENOTES APPROX. EXTENT OF MID STRENGTH SHALE

REV	DATE	DESCRIPTION	CLP	REV	DATE	DESCRIPTION	CLP
E	23.08.17	ISSUED FOR BPS EARLY WORKS DA	CLP				
D	22.08.17	ISSUED FOR BPS EARLY WORKS DA	CLP				
C	26.07.17	ISSUED FOR BPS EARLY WORKS DA	AL				
B	29.06.17	ISSUED FOR BPS EARLY WORKS DA	AL				
A	01.03.17	ISSUED FOR BPS EARLY WORKS DA	CLP				

REV	DATE	DESCRIPTION	CLP

CLIENT	Walker Corporation Level 21 Governor Macquarie Tower 1 Farrer Place, SYDNEY NSW 2000 Australia Telephone +61 8273 3600 Facsimile +61 8273 3600
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ARCHITECT	JPW JOHNSON PILTON WALKER Johnson Pilton Walker Pty Ltd ACN 095 778 885 Level 10 Plaza Building Australia Square 95 Pitt Street Sydney New South Wales 2000 Australia Telephone +61 2 9250 5800 Facsimile +61 2 9250 5889 Email jpwl@jpwl.com.au
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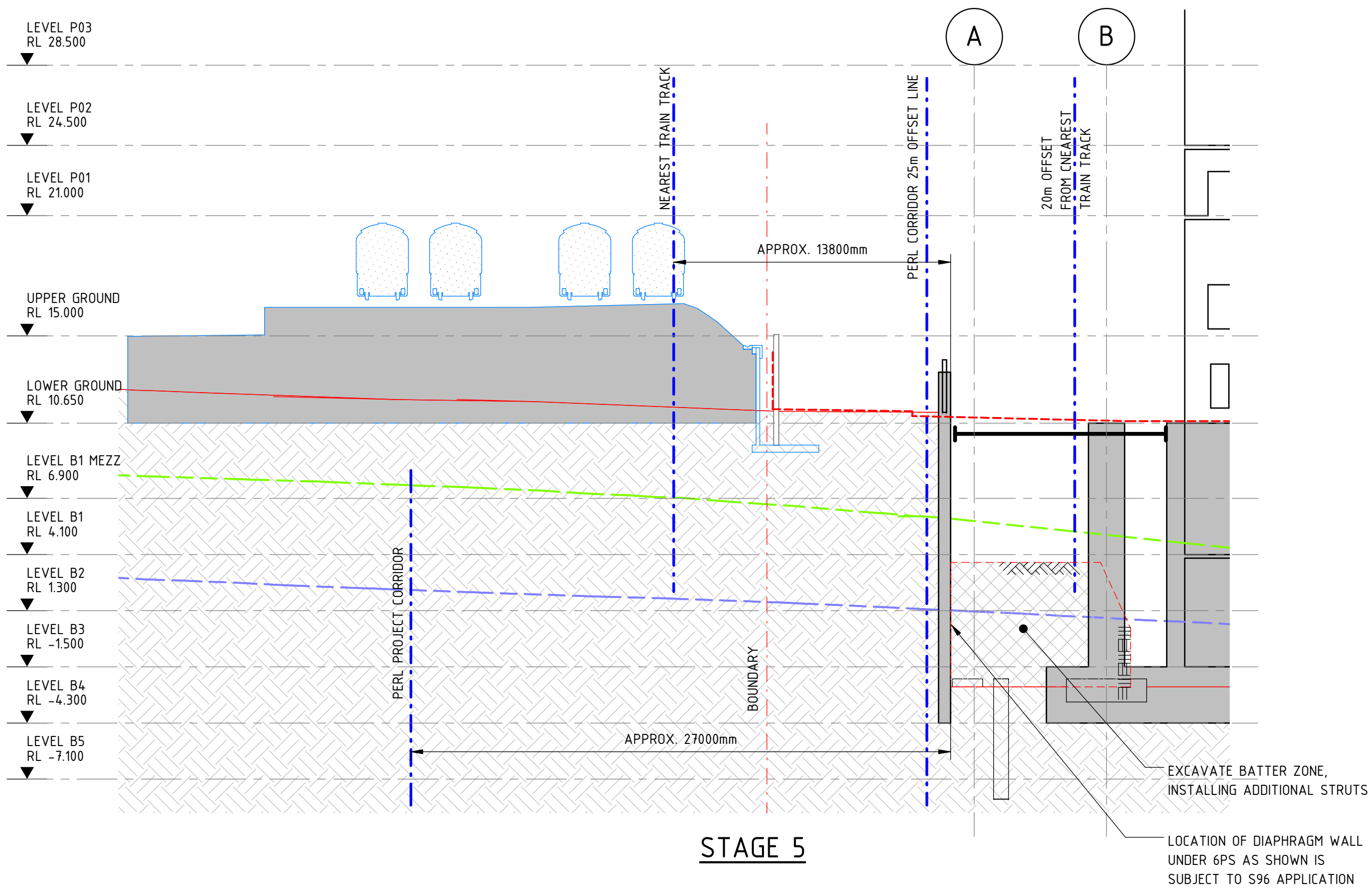
Sydney Office— L2 8 Windmill St Sydney NSW 2000 P/+61 2 9770 3300 E: info@bg&e.com.au bg&e.com—

PROJECT	8 PARRAMATTA SQUARE DARCY ST, PARRAMATTA, N.S.W. (EARLY WORKS PACKAGE)
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STATUS	ISSUED FOR DA APPROVAL
DRAWN	CLP
DESIGNED	MF/PR
CHECKED	VB
APPROVED	JC
DATUM	GRD
SCALE	As indicated
AT B1 SITE	

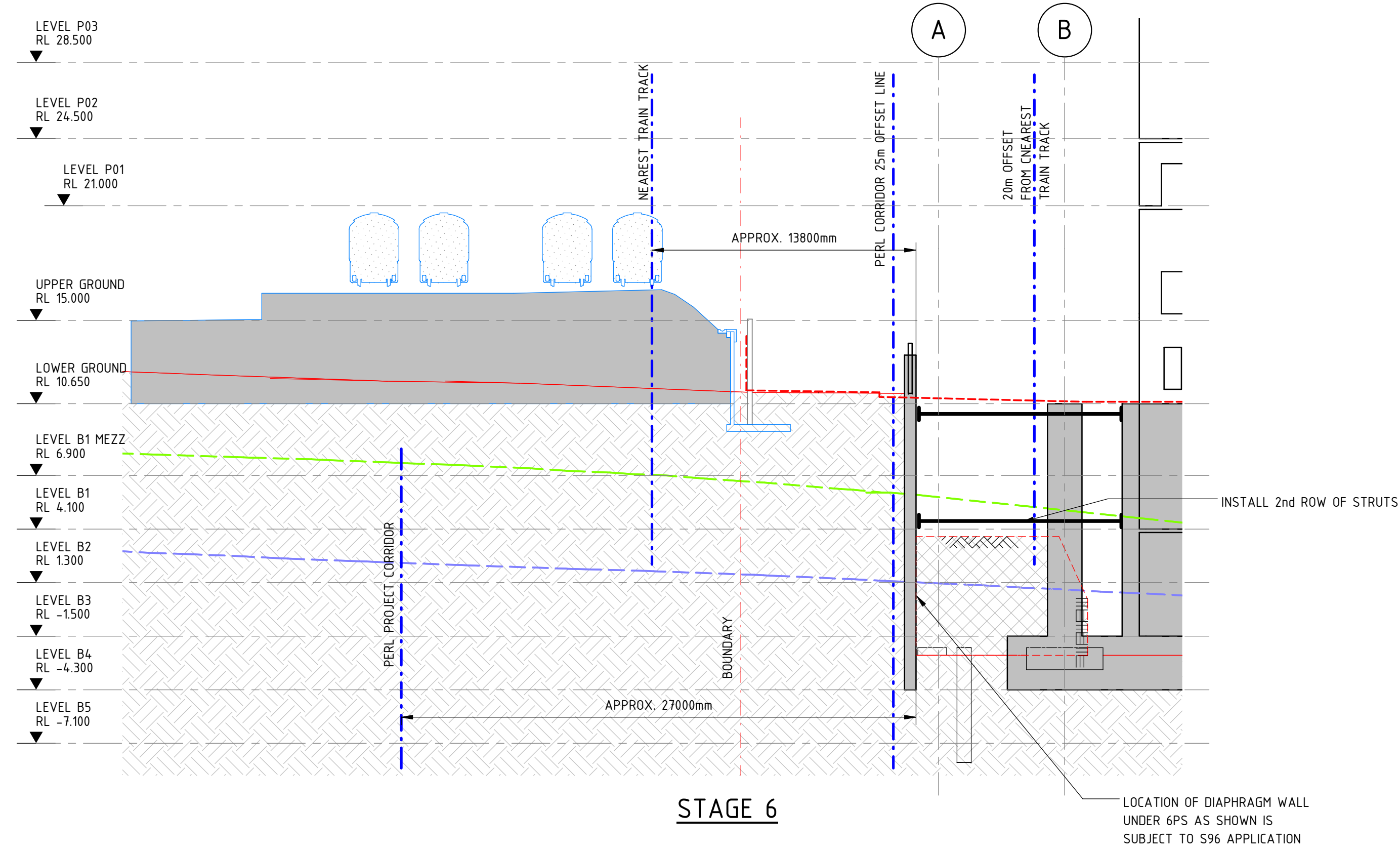
TITLE	SOUTH WALL CONSTRUCTION METHODOLOGY SHEET 1
PROJECT No.	S15243
DRAWING No.	S-0158
REV	E

D2016/436 - 4&6PS
THIS LAYOUT IS SUBJECT TO S96 APPLICATION



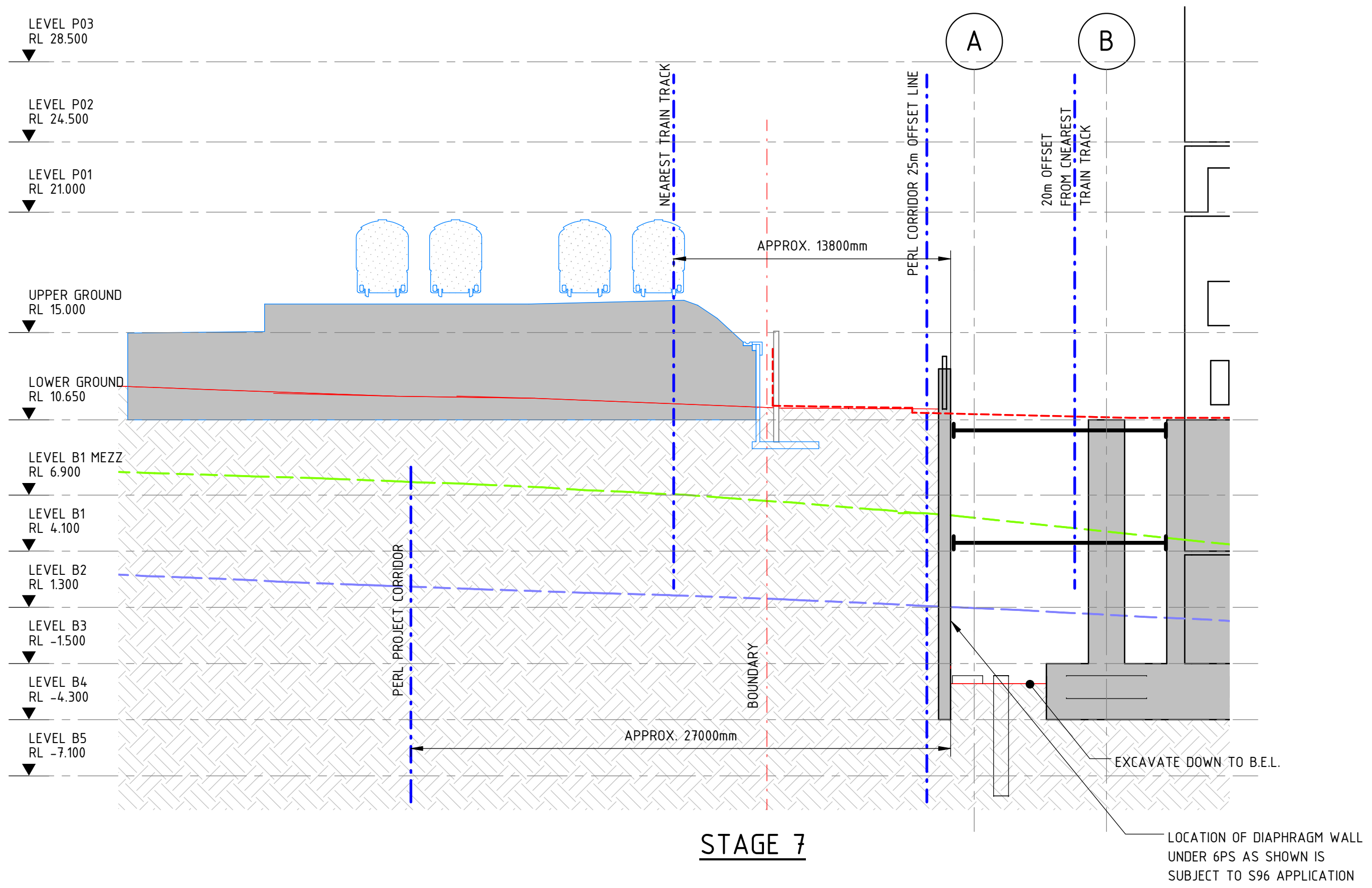
STAGE 5

D2016/436 - 4&6PS
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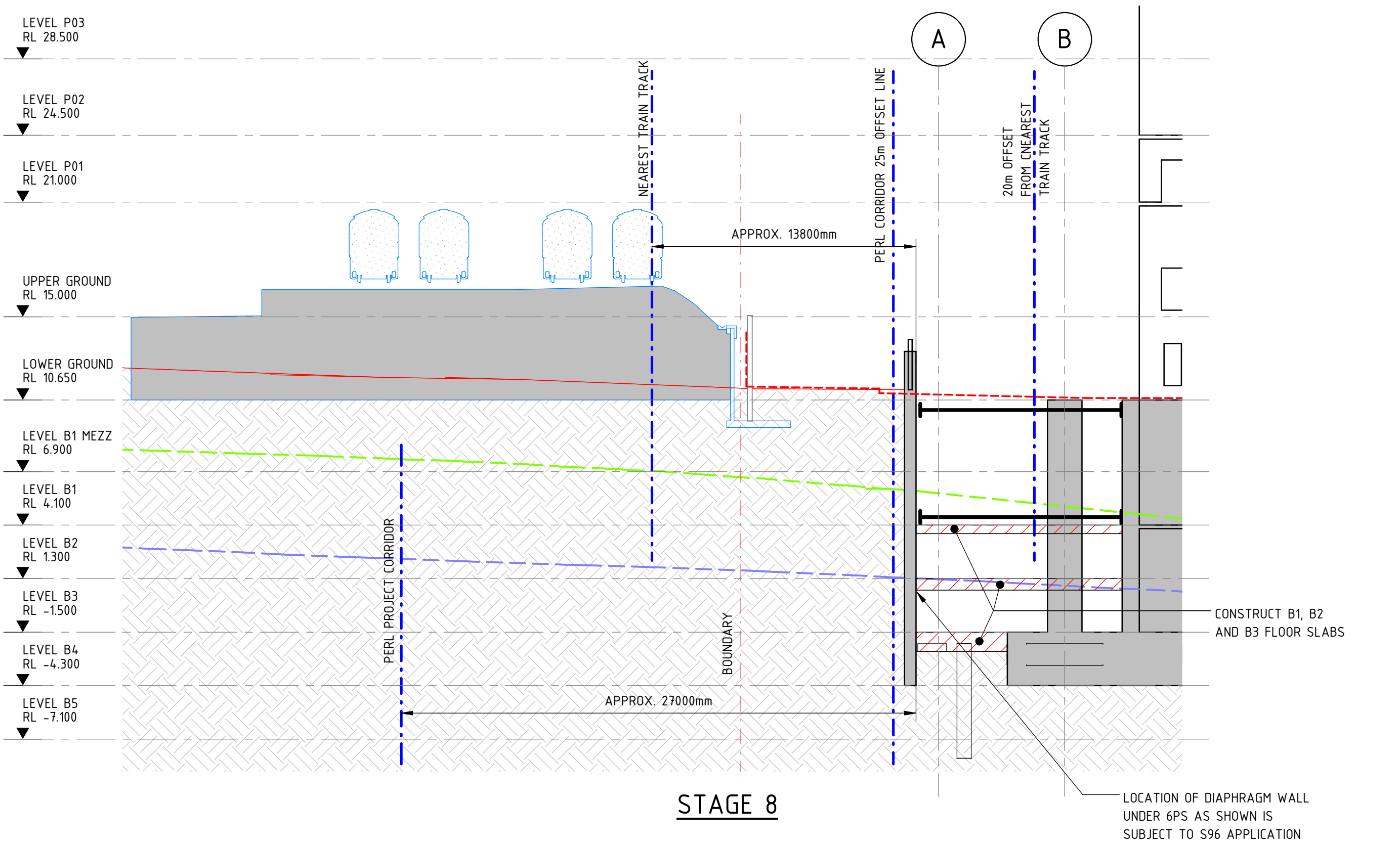
STAGE 6

D2016/436 - 4&6PS
THIS LAYOUT IS SUBJECT TO S96 APPLICATION



STAGE 7

D2016/436 - 4&6PS
THIS LAYOUT IS SUBJECT TO S96 APPLICATION



STAGE 8

4 & 6 PS CONSTRUCTION SEQUENCE:

- STAGE 1: CONSTRUCT RETENTION WALL
- STAGE 2: EXCAVATE THE 4 AND 6 PS SITE, LEAVING THE BATTER AS INDICATED ALONG SOUTHERN WALL AND 8 PS SITE. REFER TO GEOTECHNICAL ENGINEER FOR TEMPORARY BATTER SUPPORT DETAILS
- STAGE 3: CONSTRUCT THE FOOTINGS, PRIMARY COLUMNS AND WALLS TO LOWER GROUND
- STAGE 4: INSTALL TOP ROW OF STRUTS
- STAGE 5: EXCAVATE THE BATTER TO B1 LEVEL
- STAGE 6: INSTALL SECOND ROW OF STRUTS
- STAGE 7: EXCAVATE TO B.E.L.
- STAGE 8: CONSTRUCT B2, B3 AND B1 SLABS
- STAGE 9: REMOVE LOWER ROW OF STRUTS
- STAGE 10: CONSTRUCT B1 AND LOWER GROUND SLABS
- STAGE 11: REMOVE TOP ROW OF STRUTS

8 PS CONSTRUCTION SEQUENCE:

- STAGE 12: CONSTRUCT TEMPORARY PILES AND DARCY STREET SLAB AT GROUND LEVEL
- STAGE 13: EXCAVATE THE 8 PS SITE TO B1
- STAGE 14: CONSTRUCT SOUTHERN SLAB STRIP AT B1, CONNECTING TO THE B1 SLAB AT 6 PS. ALTERNATIVELY USE STEEL STRUTS TO RETURN WALL (WEST SIDE) AND 6 PS SLAB (EAST SIDE)
- STAGE 15: REPEAT STAGES 13 AND 14 AT B2, B3, B4 AND B5
- STAGE 16: EXCAVATE 8 PS SITE TO B6
- STAGE 17: CONSTRUCT 8 PS SITE FROM B6 UPWARDS, CONNECTING BACK INTO THE SLAB STRIPS AT B4 AND B2

DARCY STREET RAMP CONSTRUCTION SEQUENCE:

- STAGE A: INSTALL PILES ALONG SOUTHERN WALL OF RAMP AND POUR CAPPING BEAM
- STAGE B: EXCAVATE HIT AND MISS TO RAMP SLAB LEVEL (VARIES) IN STAGES, INSTALLING TEMPORARY DIAGONAL STRUTS (3 OF SHOWN ON PLAN) TO THE CAPPING BEAM
- STAGE C: POUR RAMP LID SLAB. REMOVE STRUTS.

NOTE:
ALL EXISTING INGROUND SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF EXCAVATION, INSTALLATION OF RETENTION WALL AND ANCHORS

SELF SUPPORTING VERTICAL CUT ROCK FACE IN MEDIUM STRENGTH ROCK TO BE INSPECTED BY GEOTECHNICAL ENGINEER AS EXCAVATION PROGRESSES. ADDITIONAL ROCK BOLTING TO BE PROVIDED WHERE REQUIRED TO ENSURE STABILITY OF ROCK FACE

SURFACE LEVELS KEY PLAN:
--- DENOTES APPROX. EXTENT OF LOW STRENGTH SHALE
--- DENOTES APPROX. EXTENT OF MID STRENGTH SHALE

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D	22.08.17	ISSUED FOR BPS EARLY WORKS DA	CLP		
C	26.07.17	ISSUED FOR BPS EARLY WORKS DA	AL		
B	29.06.17	ISSUED FOR BPS EARLY WORKS DA	AL		
A	01.03.17	ISSUED FOR BPS EARLY WORKS DA	CLP		

REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION

CLIENT	Walker Corporation Level 21 Governor Macquarie Tower 1 Farrer Place, SYDNEY NSW 2000 Australia Telephone +61 8273 1600 Facsimile +61 8273 1600
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ARCHITECT	JPW JOHNSON PILTON WALKER Johnson Pilton Walker Pty Ltd ACN 095 778 885 Level 10 Plaza Building Australia Square 95 Pitt Street Sydney New South Wales 2000 Australia Telephone +61 2 9250 5800 Facsimile +61 2 9250 5889 Email jpww@jpww.com.au
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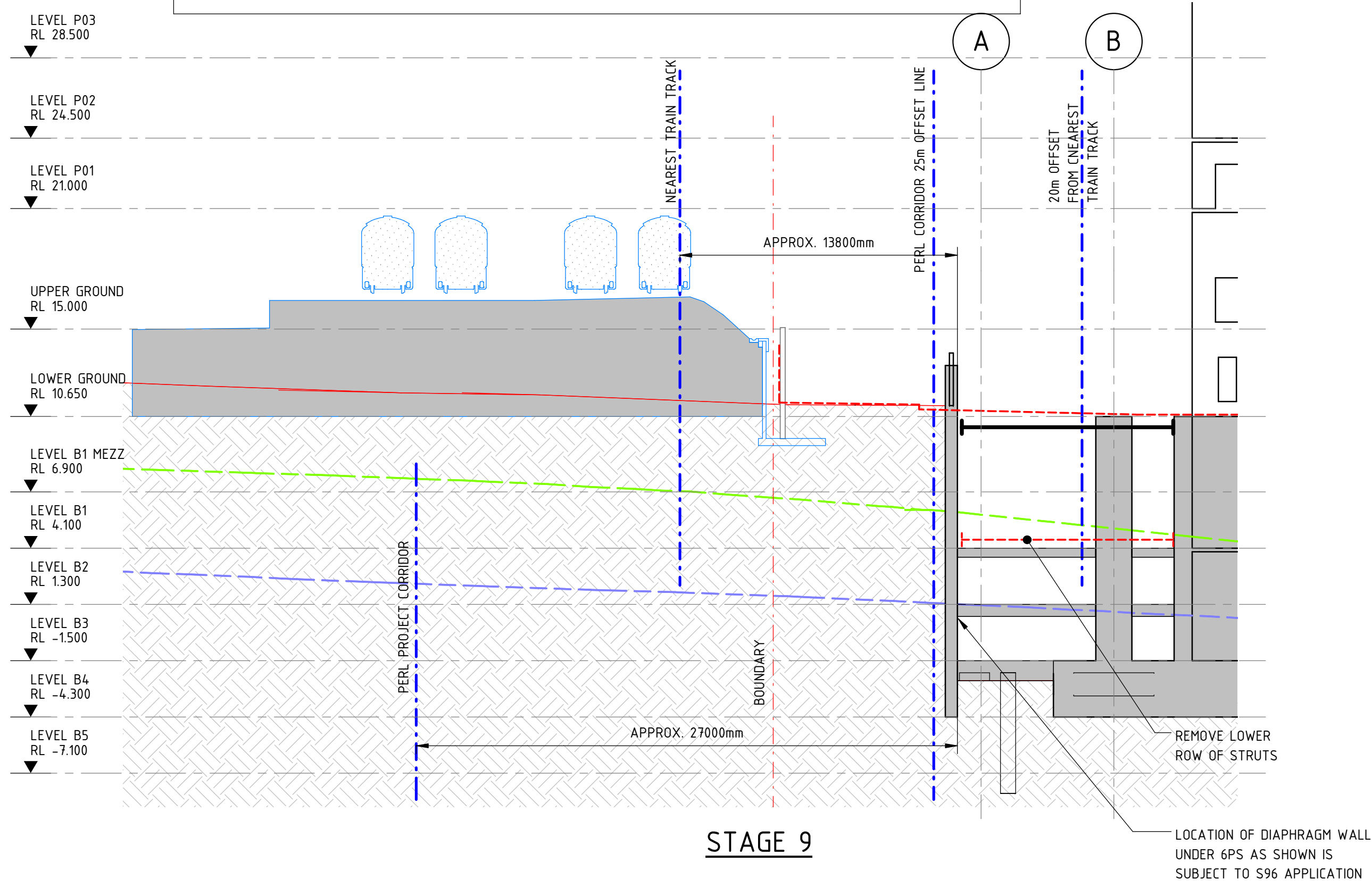
Sydney Office— L2 8 Windmill St Sydney NSW 2000 P/+61 2 9770 3300 E: info@bg&e.com.au bg&e.com—

PROJECT	8 PARRAMATTA SQUARE DARCY ST, PARRAMATTA, N.S.W. (EARLY WORKS PACKAGE)
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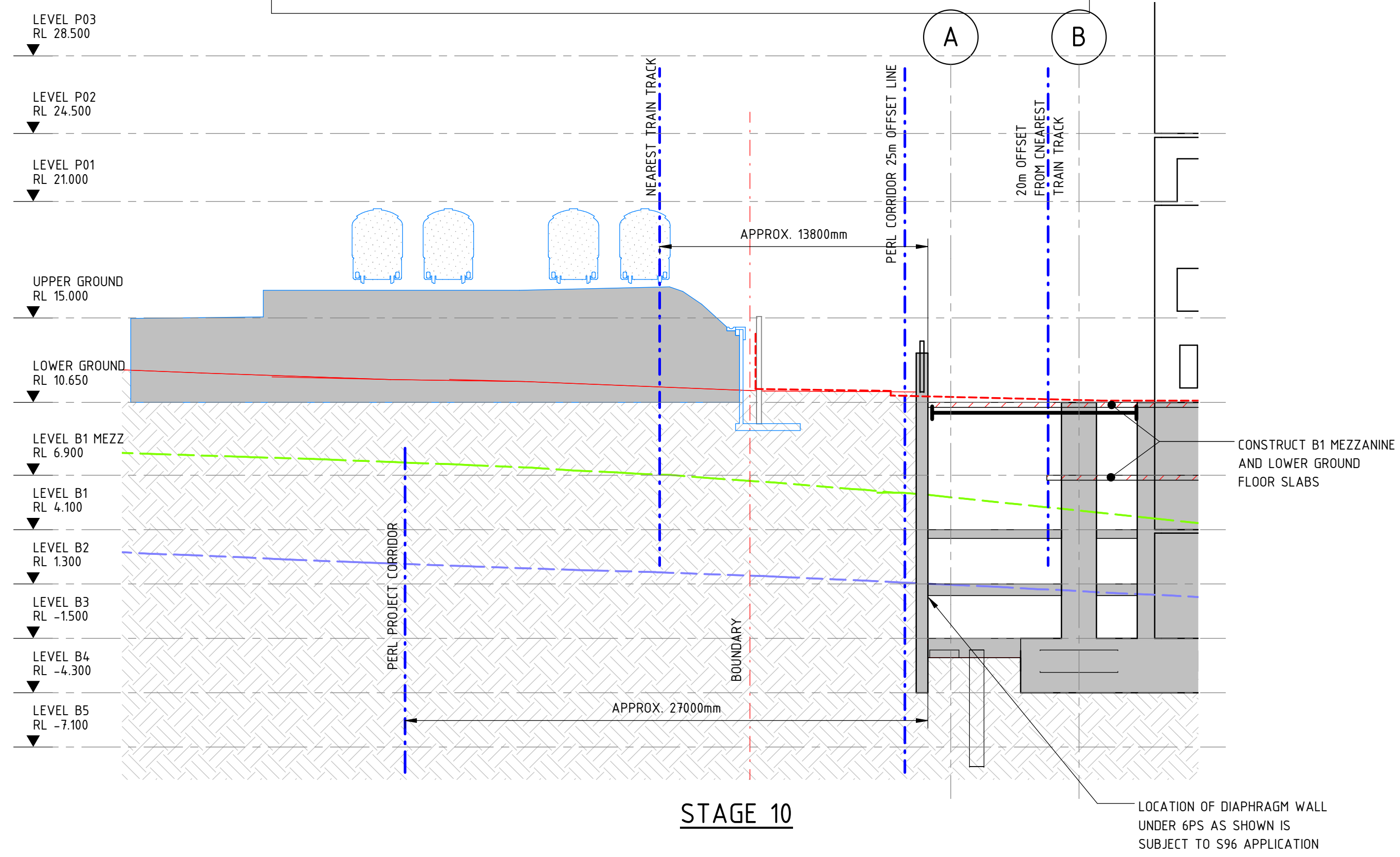
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CHECKED	VB
APPROVED	JC
DATUM	GRD
SCALE	As indicated
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TITLE	SOUTH WALL CONSTRUCTION METHODOLOGY SHEET 2
PROJECT No.	S15243
DRAWING No.	S-0159
REV	E

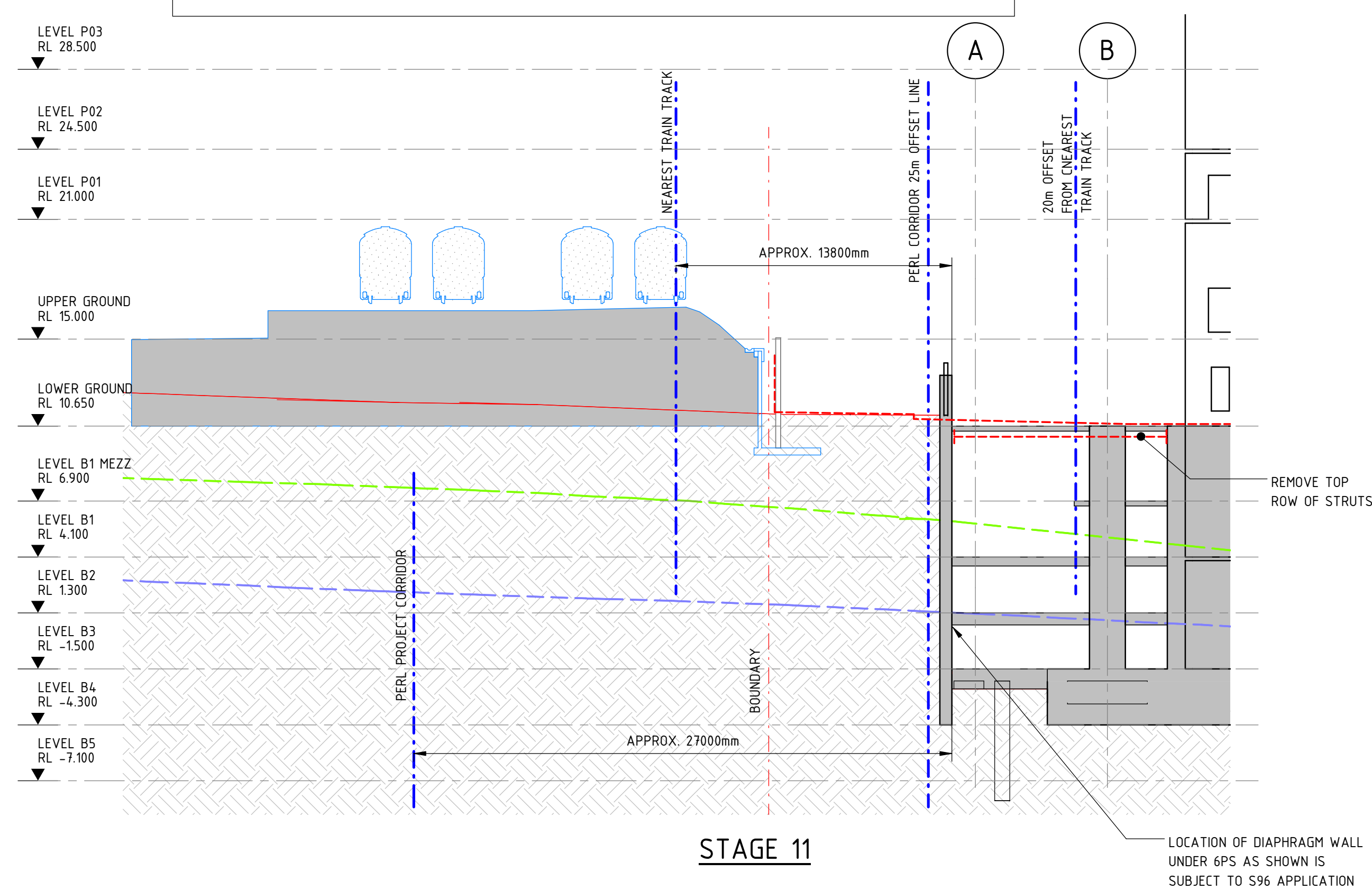
D2016/436 - 4&6PS
THIS LAYOUT IS SUBJECT TO S96 APPLICATION



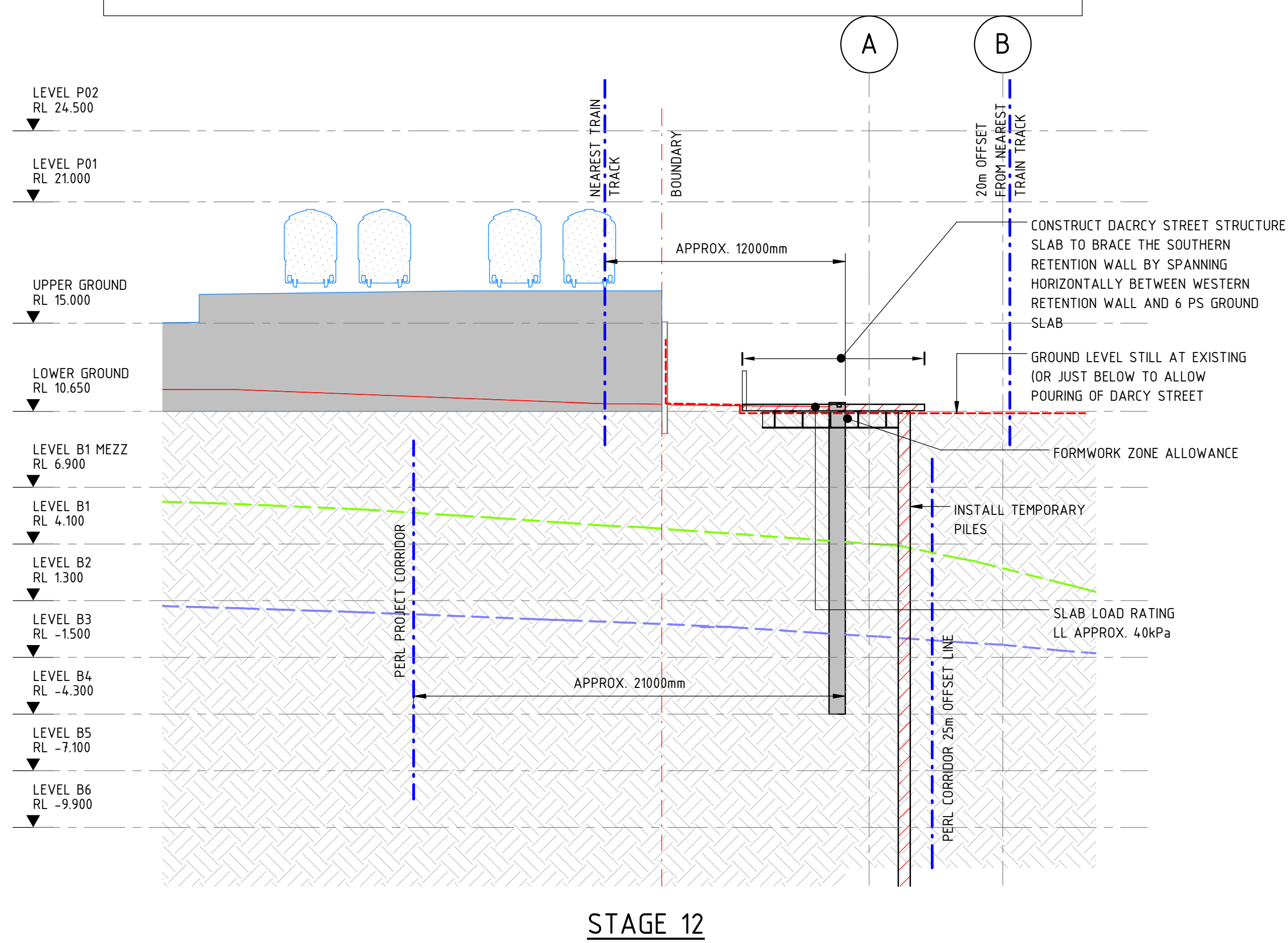
D2016/436 - 4&6PS
THIS LAYOUT IS SUBJECT TO S96 APPLICATION



D2016/436 - 4&6PS
THIS LAYOUT IS SUBJECT TO S96 APPLICATION



SUBJECT TO DA2017/351
THIS LAYOUT IS SUBJECT TO 4/6PS S96 APPLICATION



SECTION 2

SCALE 1 : 200

NOTE:
ALL EXISTING INGROUND SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF EXCAVATION, INSTALLATION OF RETENTION WALL AND ANCHORS

SELF SUPPORTING VERTICAL CUT ROCK FACE IN MEDIUM STRENGTH ROCK TO BE INSPECTED BY GEOTECHNICAL ENGINEER AS EXCAVATION PROGRESSES. ADDITIONAL ROCK BOLTING TO BE PROVIDED WHERE REQUIRED TO ENSURE STABILITY OF ROCK FACE

SURFACE LEVELS KEY PLAN:
--- DENOTES APPROX. EXTENT OF LOW STRENGTH SHALE
--- DENOTES APPROX. EXTENT OF MID STRENGTH SHALE

4 & 6 PS CONSTRUCTION SEQUENCE:

- STAGE 1: CONSTRUCT RETENTION WALL
- STAGE 2: EXCAVATE THE 4 AND 6 PS SITE, LEAVING THE BATTER AS INDICATED ALONG SOUTHERN WALL AND 6 PS SITE. REFER TO GEOTECHNICAL ENGINEER FOR TEMPORARY BATTER SUPPORT DETAILS
- STAGE 3: CONSTRUCT THE FOOTINGS, PRIMARY COLUMNS AND WALLS TO LOWER GROUND
- STAGE 4: INSTALL TOP ROW OF STRUTS
- STAGE 5: EXCAVATE THE BATTER TO B1 LEVEL
- STAGE 6: INSTALL SECOND ROW OF STRUTS
- STAGE 7: EXCAVATE TO B.E.L.
- STAGE 8: CONSTRUCT B2, B3 AND B1 SLABS
- STAGE 9: REMOVE LOWER ROW OF STRUTS
- STAGE 10: CONSTRUCT B1 AND LOWER GROUND SLABS
- STAGE 11: REMOVE TOP ROW OF STRUTS

8 PS CONSTRUCTION SEQUENCE:

- STAGE 12: CONSTRUCT TEMPORARY PILES AND DARCY STREET SLAB AT GROUND LEVEL
- STAGE 13: EXCAVATE THE 8 PS SITE TO B1
- STAGE 14: CONSTRUCT SOUTHERN SLAB STRIP AT B1, CONNECTING TO THE B1 SLAB AT 6 PS. ALTERNATIVELY USE STEEL STRUTS TO RETURN WALL (WEST SIDE) AND 6 PS SLAB (EAST SIDE)
- STAGE 15: REPEAT STAGES 13 AND 14 AT B2, B3, B4 AND B5
- STAGE 16: EXCAVATE 8 PS SITE TO B6
- STAGE 17: CONSTRUCT 8 PS SITE FROM B6 UPWARDS, CONNECTING BACK INTO THE SLAB STRIPS AT B4 AND B2

DARCY STREET RAMP CONSTRUCTION SEQUENCE:

- STAGE A: INSTALL PILES ALONG SOUTHERN WALL OF RAMP AND POUR CAPPING BEAM
- STAGE B: EXCAVATE HIT AND MISS TO RAMP SLAB LEVEL (VARIES) IN STAGES, INSTALLING TEMPORARY DIAGONAL STRUTS (3 OF SHOWN ON PLAN) TO THE CAPPING BEAM
- STAGE C: POUR RAMP LID SLAB. REMOVE STRUTS.

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E	23.08.17	ISSUED FOR BPS EARLY WORKS DA	CLP						
D	22.08.17	ISSUED FOR BPS EARLY WORKS DA	CLP						
C	26.07.17	ISSUED FOR BPS EARLY WORKS DA	AL						
B	29.06.17	ISSUED FOR BPS EARLY WORKS DA	AL						
A	01.03.17	ISSUED FOR BPS EARLY WORKS DA	CLP						
REV	DATE	DESCRIPTION	CLP	RVD	REV	DATE	DESCRIPTION	CLP	RVD
REVISIONS					REVISIONS				

CLIENT	Walker Corporation Level 21 Governor Macquarie Tower 1 Farrer Place, SYDNEY NSW 2000 Australia Telephone +61 8273 3600 Facsimile +61 8273 3400
--------	--

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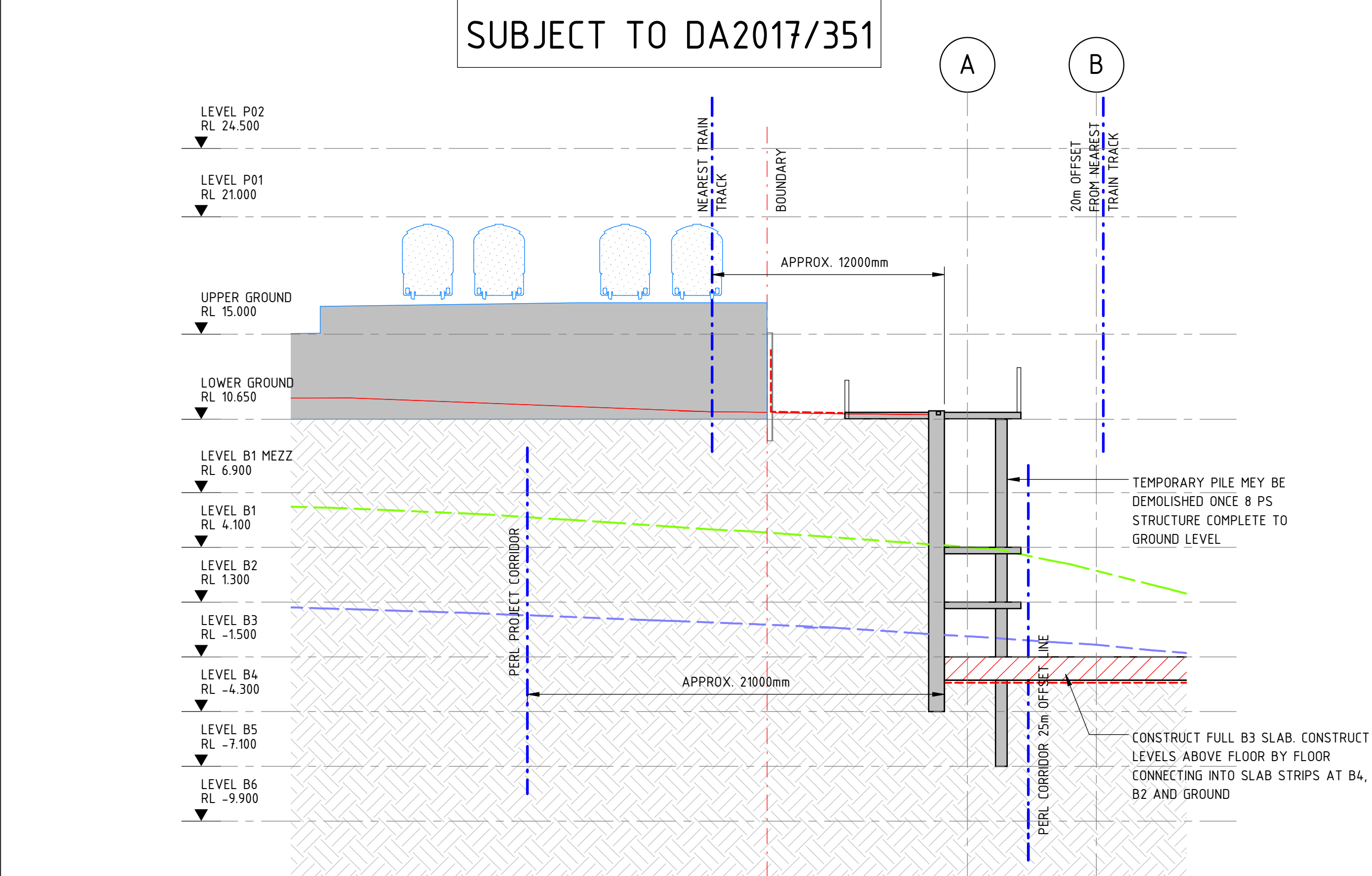
Sydney Office— L2 8 Windmill St Sydney NSW 2000 P/+61 2 9770 3300 E: info@bg&e.com.au bg&e.com—



PROJECT	8 PARRAMATTA SQUARE DARCY ST, PARRAMATTA, N.S.W. (EARLY WORKS PACKAGE)
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STATUS	ISSUED FOR DA APPROVAL
DRAWN	CLP
DESIGNED	MF/PR
CHECKED	VB
APPROVED	JC
DATUM	GRD
SCALE	As indicated
AT B1 SITE	

TITLE	SOUTH WALL CONSTRUCTION METHODOLOGY SHEET 3
PROJECT No.	S15243
DRAWING No.	S-0160
REV	E



STAGE 17

4 & 6 PS CONSTRUCTION SEQUENCE:

STAGE 1: CONSTRUCT RETENTION WALL

STAGE 2: EXCAVATE THE 4 AND 6 PS SITE, LEAVING THE BATTER AS INDICATED ALONG SOUTHERN WALL AND 8 PS SITE. REFER TO GEOTECHNICAL ENGINEER FOR TEMPORARY BATTER SUPPORT DETAILS

STAGE 3: CONSTRUCT THE FOOTINGS, PRIMARY COLUMNS AND WALLS TO LOWER GROUND

STAGE 4: INSTALL TOP ROW OF STRUTS

STAGE 5: EXCAVATE THE BATTER TO B1 LEVEL

STAGE 6: INSTALL SECOND ROW OF STRUTS

STAGE 7: EXCAVATE TO B.E.L.

STAGE 8: CONSTRUCT B2, B3 AND B1 SLABS

STAGE 9: REMOVE LOWER ROW OF STRUTS

STAGE 10: CONSTRUCT B1 AND LOWER GROUND SLABS

STAGE 11: REMOVE TOP ROW OF STRUTS

8 PS CONSTRUCTION SEQUENCE:

STAGE 12: CONSTRUCT TEMPORARY PILES AND DARCY STREET SLAB AT GROUND LEVEL

STAGE 13: EXCAVATE THE 8 PS SITE TO B1

STAGE 14: CONSTRUCT SOUTHERN SLAB STRIP AT B1, CONNECTING TO THE B1 SLAB AT 6 PS. ALTERNATIVELY USE STEEL STRUTS TO RETURN WALL (WEST SIDE) AND 6 PS SLAB (EAST SIDE)

STAGE 15: REPEAT STAGES 13 AND 14 AT B2, B3, B4 AND B5

STAGE 16: EXCAVATE 8 PS SITE TO B6

STAGE 17: CONSTRUCT 8 PS SITE FROM B6 UPWARDS, CONNECTING BACK INTO THE SLAB STRIPS AT B4 AND B2

DARCY STREET RAMP CONSTRUCTION SEQUENCE:

STAGE A: INSTALL PILES ALONG SOUTHERN WALL OF RAMP AND POUR CAPPING BEAM

STAGE B: EXCAVATE HIT AND MISS TO RAMP SLAB LEVEL (VARIES) IN STAGES, INSTALLING TEMPORARY DIAGONAL STRUTS (3 OF SHOWN ON PLAN) TO THE CAPPING BEAM

STAGE C: POUR RAMP LID SLAB. REMOVE STRUTS.

NOTE:
ALL EXISTING INGROUND SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF EXCAVATION, INSTALLATION OF RETENTION WALL AND ANCHORS

SURFACE LEVELS KEY PLAN:
--- DENOTES APPROX. EXTENT OF LOW STRENGTH SHALE
--- DENOTES APPROX. EXTENT OF MID STRENGTH SHALE

REV	DATE	DESCRIPTION	RVD	REV	DATE	DESCRIPTION	RVD
E	23.08.17	ISSUED FOR BPS EARLY WORKS DA	CLP				
D	22.08.17	ISSUED FOR BPS EARLY WORKS DA	CLP				
C	26.07.17	ISSUED FOR BPS EARLY WORKS DA	AL				
B	29.06.17	ISSUED FOR BPS EARLY WORKS DA	AL				
A	01.03.17	ISSUED FOR BPS EARLY WORKS DA	CLP				
REV	DATE	DESCRIPTION	RVD	REV	DATE	DESCRIPTION	RVD
REVISIONS				REVISIONS			

CLIENT

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ARCHITECT

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Sydney Office—

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P/+61 2 9770 3300
E/info@bg&e.com

bg&e



PROJECT

8 PARRAMATTA SQUARE
DARCY ST, PARRAMATTA, N.S.W.
(EARLY WORKS PACKAGE)

STATUS

ISSUED FOR DA APPROVAL

DRAWN	DESIGNED	CHECKED	APPROVED
CLP	MF/PR	VB	JC

DATUM GRD SCALE As indicated AT B1 SITE

TITLE

SOUTH WALL CONSTRUCTION METHODOLOGY SHEET 5

PROJECT No.	DRAWING No.	REV
S15243	S-0162	E