

Legend

P10.00

Proposed Surface Level

TOK10.00

Proposed Top of Kerb Level

2.5%

Proposed Grade And Direction Of Fall

Emergency Overland Flowpath

Proposed Retaining Wall

Assumed Building Pad/Developable Area

Indicative Location of Lot Access

Retaining Wall Label

Earthworks:

Total Cut = - 49,800m³

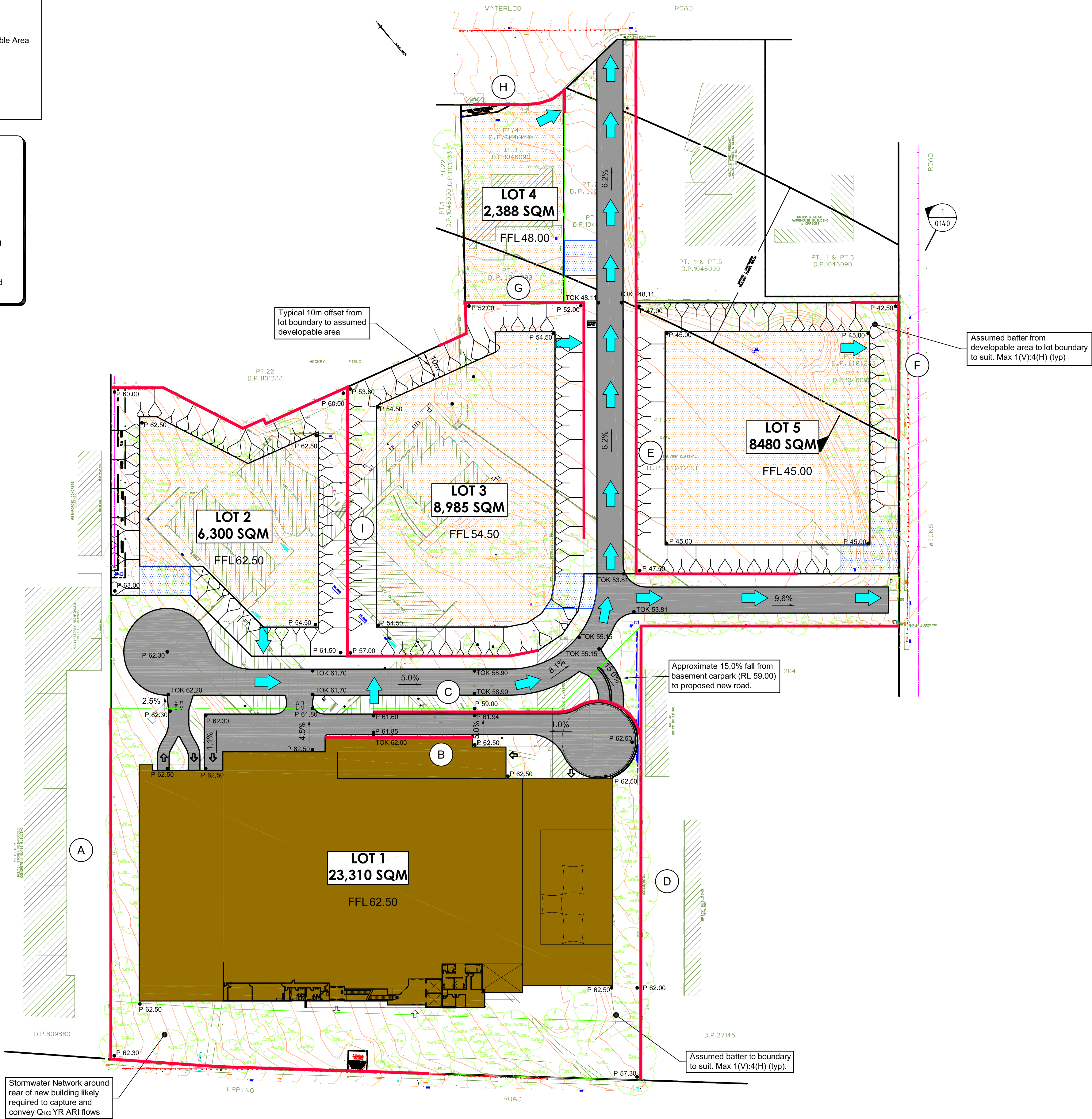
Total Fill = + 79,200m³

Balance = + 29,400m³

Notes:

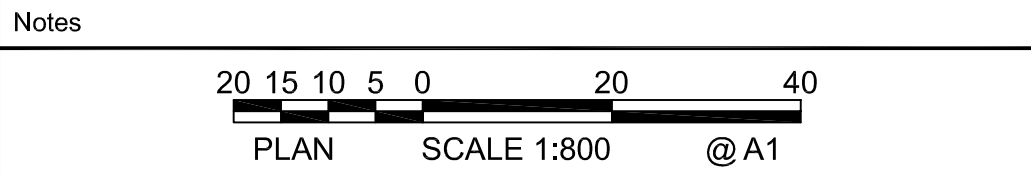
1. Earthworks Volumes are preliminary only based on desktop study and concept designs and need to be confirmed following detailed design.

2. Earthworks calculations are Volumetric only and do not allow for bulking factors or trenching



Notes

The details provided in this drawing are provisional only and subject to change pending detailed design.



Key to symbols

Reference drawings

P1	13.02.13	ADS	Issued for information	DR	CJA
Rev	Date	Drawn	Description	Ch'k'd	App'd

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Client

Masters

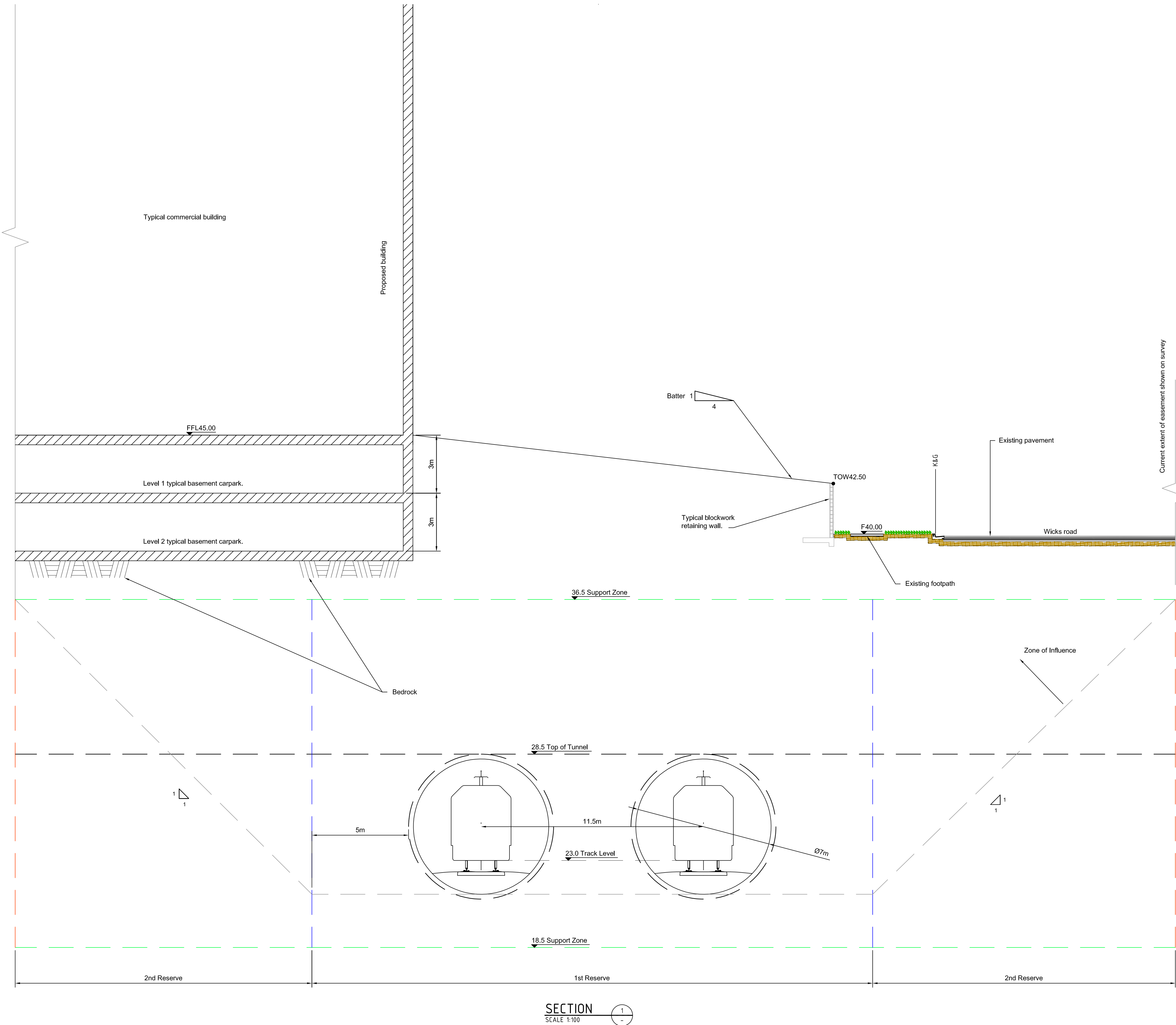
Title

Masters North Ryde
Concept Grading Plan

Designed	ADS		Eng check	DR	
Drawn	DW		Coordination	JG	
Dwg check	DR		Approved	CJA	
Scale at A1	1:800	Status	PRE	Rev	P1

Drawing Number

MMD-318385-C-SK-00-XX-0115



- Notes
- Excavations of 3m or more within the First Reserve but outside of the Support Zone Should be assessed for their impact on the underground infrastructure, including the impact of their construction methods.
 - Excavations of 3m depth or more within the Second Reserve should be assessed for their impact on the underground infrastructure, including the impact of their construction methods.
 - Refer to Douglas Partners Geotechnical report (73329.00 February 2013) Appendix D: ECRL Underground infrastructure protection guidelin es report No. 20007300/PO-4532, Rev 3 (16 May 2008) section 3.6 Requirements for engineering assessments.
 - Easement width shown on survey = 60m
Easement requirement per 'Maunsell/Aecom' drawing PRL GD 02600 Rev B - Rail protection reserves cross section running tunnels and PRL GD 02477 Rail protection reserves plan sheet 11 of 20.
 - Tunnel depth, support Zones and Reserve dimensions are generally in accordance with those depicted on 'Maunsell/Aecom' drawing PRL GD 02600 Rev B - Rail protection reserves cross section running tunnels and PRL GD 02477 Rail protection reserves plan sheet 11 of 20.
 - Typical tunnel cross section generally in accordance with 'Maunsell/Aecom' drawing PRL GD 02600 Rev B - Rail protection reserves cross section running tunnels and PRL GD 02477 Rail protection reserves plan sheet 11 of 20

Key to symbols

---	Support Zone
---	Top of Tunnel
---	1st Reserve Boundary
---	2nd Reserve Boundary

Reference drawings

P2	17.10.13	DW	Issued for information	JG	DB
P1	15.10.13	DW	Issued for information	JG	DB
Rev	Date	Drawn	Description	Ch'k'd	App'd



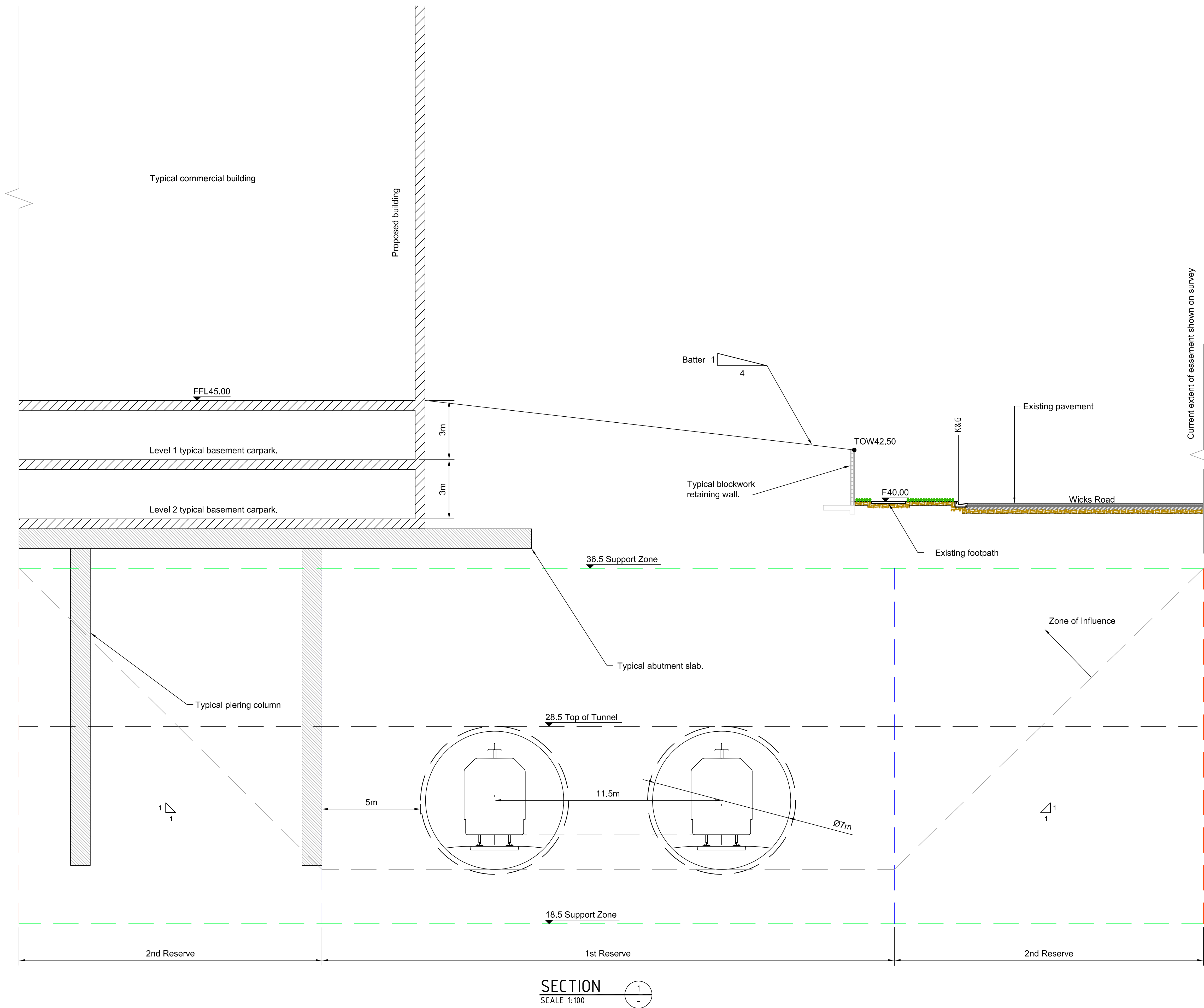
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Client **Masters**

Title **Masters North Ryde
Typical Building Section
Supported on Bedrock**

Designed	DW		Eng check	JG	
Drawn	DW		Coordination	JG	
Dwg check	DR		Approved	DB	
Scale at A1	1:100	Status	PRE	Rev	P2

Drawing Number
MMD-318385-C-SK-00-XX-0140



- Notes
- Excavations of 3m or more within the First Reserve but outside of the Support Zone Should be assessed for their impact on the underground infrastructure, including the impact of their construction methods.
 - Excavations of 3m depth or more within the Second Reserve should be assessed for their impact on the underground infrastructure, including the impact of their construction methods.
 - Refer to Douglas Partners Geotechnical report (73329.00 February 2013) Appendix D: ECRL Underground infrastructure protection guidelines report No. 20007300/PO-4532, Rev 3 (16 May 2008) section 3.6 Requirements for engineering assessments.
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 - Tunnel depth, support Zones and Reserve dimensions are generally in accordance with those depicted on 'Maunsell/Aecom' drawing PRL GD 02600 Rev B - Rail protection reserves cross section running tunnels and PRL GD 02477 Rail protection reserves plan sheet 11 of 20.
 - Typical tunnel cross section generally in accordance with 'Maunsell/Aecom' drawing PRL GD 02600 Rev B - Rail protection reserves cross section running tunnels and PRL GD 02477 Rail protection reserves plan sheet 11 of 20.

Key to symbols

---	Support Zone
---	Top of Tunnel
---	1st Reserve Boundary
---	2nd Reserve Boundary

Reference drawings

P2	17.10.13	DW	Issued for information	JG	DB
P1	15.10.13	DW	Issued for information	JG	DB
Rev	Date	Drawn	Description	Ch'k'd	App'd



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Client **Masters**

Title **Masters North Ryde
Typical Building Section
Not Supported on Bedrock**

Designed	DW	Eng check	JG
Drawn	DW	Coordination	JG
Dwg check	DR	Approved	DB
Scale at A1	1:100	Status	PRE
		Rev	P2

Drawing Number
MMD-318385-C-SK-00-XX-0150