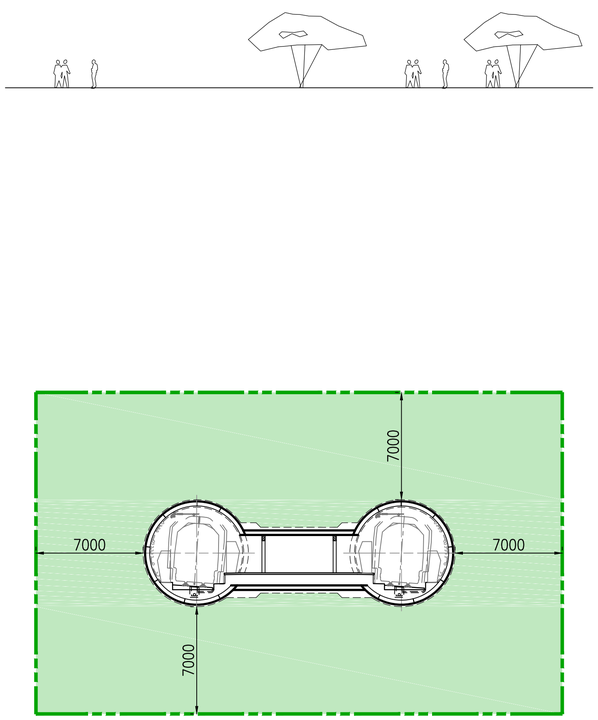
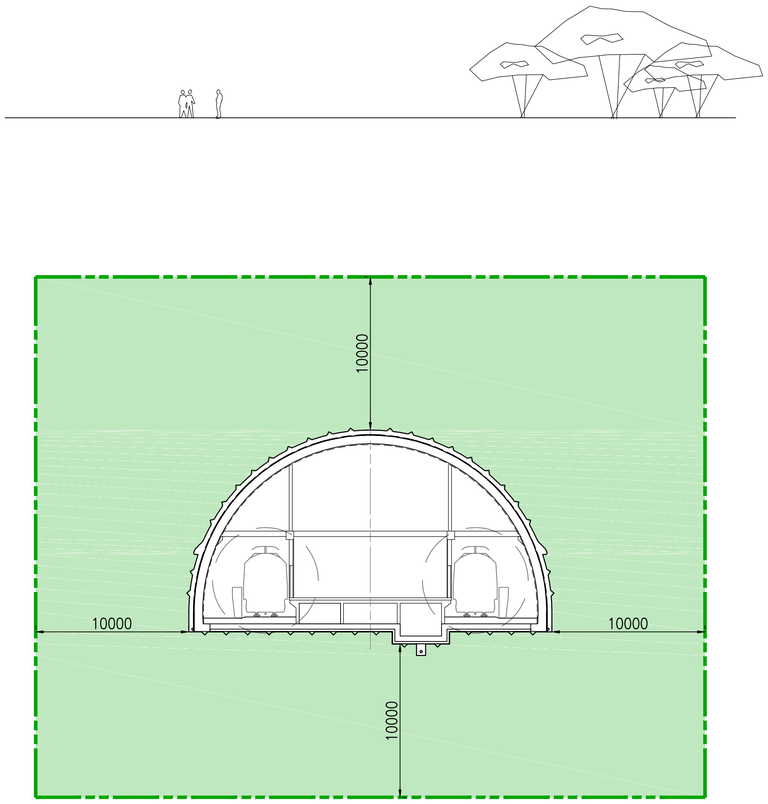
ARUP
Level 4, 108 Wickham Street
Fortitude Valley, QLD, Australia

Drawing Number
CRR-0002-TUN-GA-220

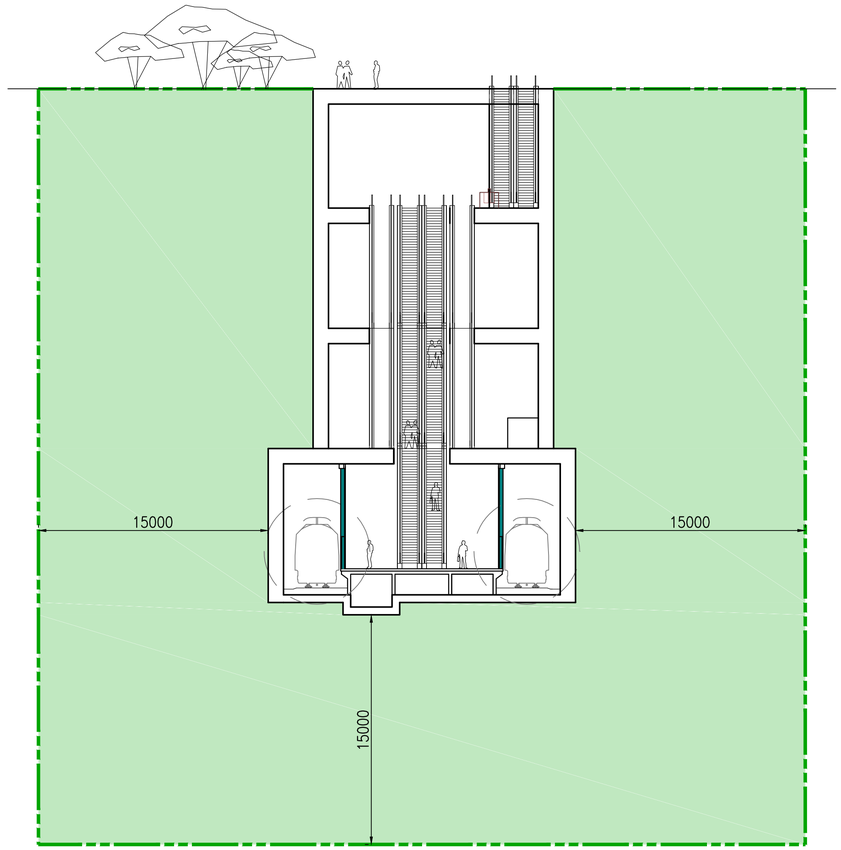
NOT FOR CONSTRUCTION
8 February 2017



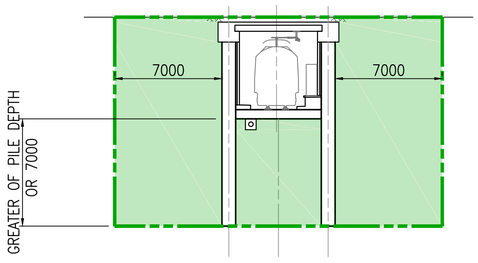
VOLUMETRIC REQUIREMENTS FOR BORED (TBM) TUNNELS
MINED TUNNEL SIMILAR



VOLUMETRIC REQUIREMENTS FOR CAVERNS



VOLUMETRIC REQUIREMENTS FOR
CUT AND COVER STATION BOXES



VOLUMETRIC REQUIREMENTS FOR CUT AND COVER
TUNNELS AND TROUGH STRUCTURES

LEGEND
TYPICAL VOLUMETRIC REQUIREMENTS

C	MINOR REVISION		08/02/17	
B	MINOR REVISION		02/11/16	
A	ISSUE FOR RFPC		14/10/16	
	Revisions/Descriptions	Certification	Date	Microfiled

CAD FILES C:\projectwise\bne_projects\stephen.grigg2\dms97298\CRR-0002-TUN-GA-220.dwg

Associated Job Nos
Auxiliary Drg Nos

Survey Data
Datum GDA94
Horiz. Grid
Height Origin
Survey Books

Scales
A1 / A3 1:200 / 1:400 0 2 4 6 8m
Dimensions shown in except where shown otherwise

BRISBANE CITY
CROSS RIVER RAIL
REFERENCE DESIGN (CHANGED PROJECT)

Reference Points

Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP

Through Chainage from

TUNNEL WORKS
TYPICAL VOLUMETRIC REQUIREMENTS

Drawn NPK
Designed JD

ENGINEERING CERTIFICATION (RPEQ)

ENG. AREA	NAME	SIGNATURE	NO.	DATE
CIVIL	J. DONOHUE		7835	14/10/16

Queensland Government

Job No.
Contract. No.
Drawing No. B
Series Number of
MRR_Detail (06/13)

Last Modified :- Feb 08, 2017 - 12:35pm XREFS :- MRR_DETAIL_A1_Ref.dwg ; X-CRR-DTUN-0001-DETAILS.dwg