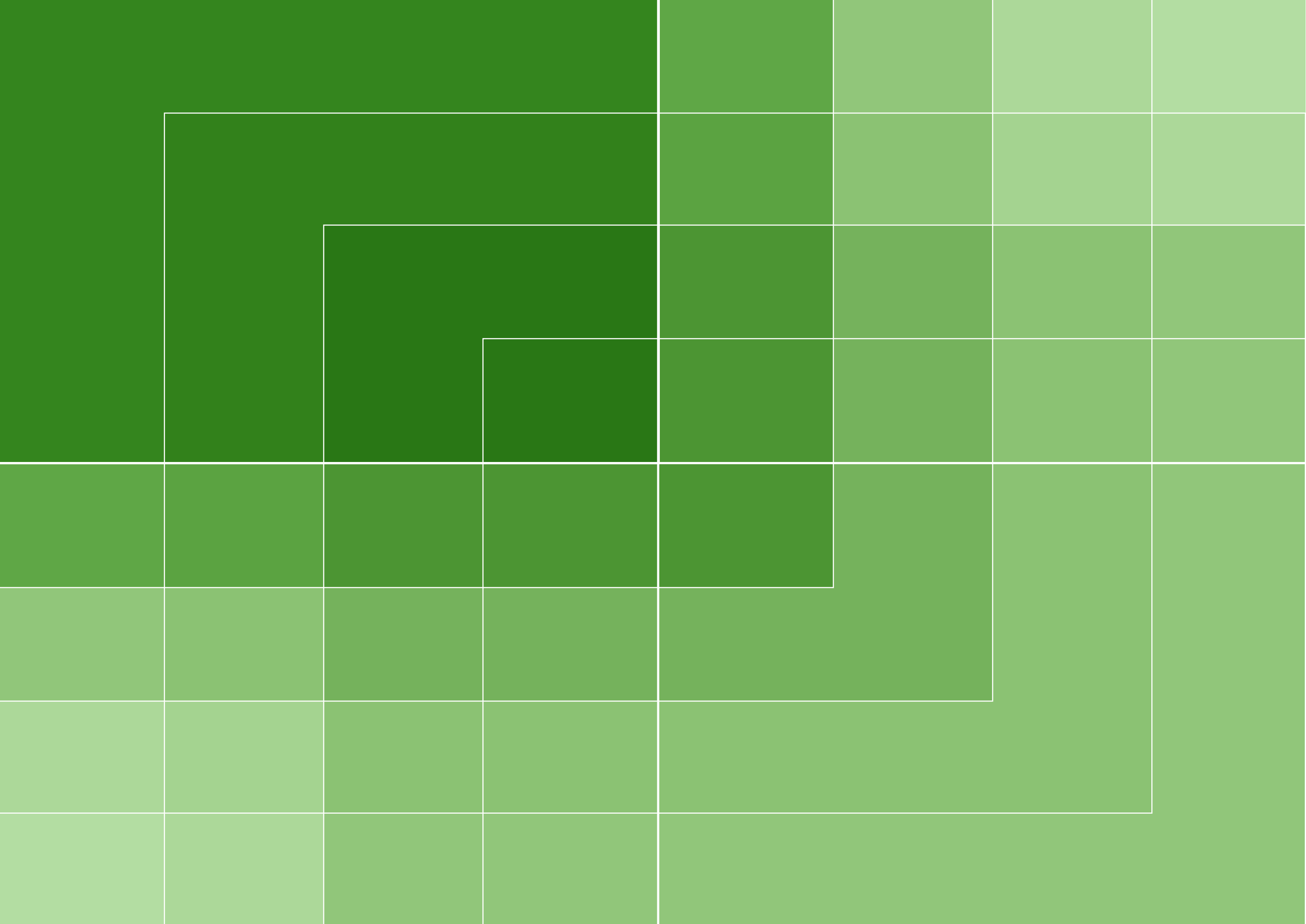


APPENDIX C

Geological
Long Section



INDEX AND GEOTECHNICAL LEGEND

INDEX

FIGURE NO.	TITLE
B1	INDEX AND GEOTECHNICAL LEGEND
B2	SHEET 1 OF 9
B3	SHEET 2 OF 9
B4	SHEET 3 OF 9
B5	SHEET 4 OF 9
B6	SHEET 5 OF 9
B7	SHEET 6 OF 9
B8	SHEET 7 OF 9
B9	SHEET 8 OF 9
B10	SHEET 9 OF 9

SOIL & ROCK KEY

	TOPSOIL
	FILL
	ASPHALT
	CONCRETE
	SILTY GRAVEL
	CLAY
	SILTY CLAY
	SANDY CLAY
	CLAYEY SAND

SOIL & ROCK KEY (CONTINUE)

	COBBLES
	CLAYEY SILT
	SAND
	SILTY SAND
	GRAVELLY CLAY
	GRAVELLY SANDY CLAY
	SANDY CLAYEY SILT
	SANDY SILT
	SANDY SILTY CLAY
	SILT
	CLAYEY GRAVEL
	GRAVELLY SANDY SILT
	GRAVELLY SAND
	SILTY CLAYEY GRAVEL
	SILTY SANDSTONE
	CONGLOMERATE
	SHALE
	MUDSTONE
	SANDSTONE
	SILTSTONE
	CLAYSTONE
	INTERLAMINATED SILTSTONE & SANDSTONE
	INTERBEDDED SILTSTONE & SANDSTONE
	INTERLAMINATED CLAYSTONE & SILTSTONE
	INTERBEDDED SHALE & SANDSTONE
	INTERBEDDED SHALE & SILTSTONE
	NO CORE

SOIL CONSISTENCY/RELATIVE DENSITY

VS	VERY SOFT
S	SOFT
F	FIRM
ST	STIFF
VST	VERY STIFF
H	HARD
Fb	FRIABLE
VL	VERY LOOSE
L	LOOSE
MD	MEDIUM DENSE
D	DENSE
VD	VERY DENSE

ROCK STRENGTH

EL	EXTREMELY LOW
VL	VERY LOW
L	LOW
M	MEDIUM
H	HIGH
VH	VERY HIGH
EH	EXTREMELY HIGH

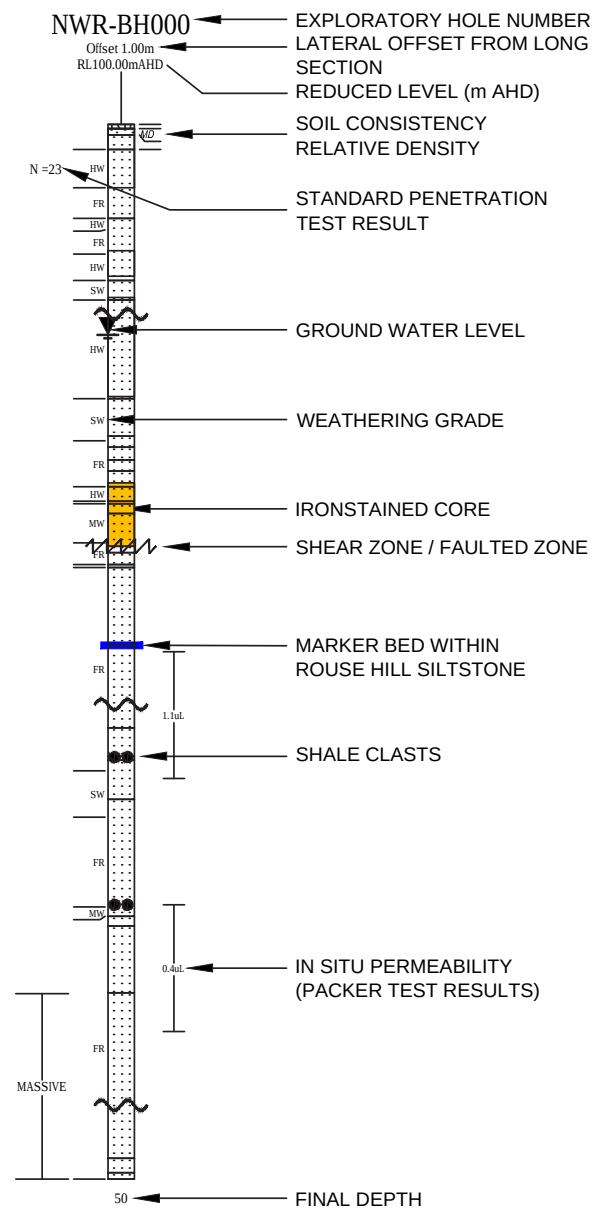
WEATHERING GRADE

EW	EXTREMELY WEATHERED
HW	HIGHLY WEATHERED
MW	MODERATELY WEATHERED
SW	SLIGHTLY WEATHERED
FR	FRESH

GEOLOGICAL MATERIAL

	FILL
	FILL / RESIDUAL SOIL / EW SHALE
	ALLUVIUM
	ASHFIELD SHALE
	MITTAGONG FORMATION
	SILTSTONE OR SILTSTONE & SANDSTONE INTERBEDDED UNIT
	HAWKESBURY SANDSTONE
	BRINGELLY SHALE
	MINCHINBURY SANDSTONE
	VOLCANIC ASH CORRELATION LAYER
	POSSIBLE FAULT DISPLACEMENT

TYPICAL BOREHOLE / TESTPIT DETAILS



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NOTES:

1. SECTION PREPARED FOR DIAGRAMMATIC PURPOSES ONLY (NOT FOR INTERPRETATION)
2. ONLY ABOUT 50% OF BOREHOLE LOGS REPRESENTED ON LONG SECTION
3. ALIGNMENT BASED ON SUPPLIED DRAFT CONCEPT DESIGN DATED 23RD DECEMBER 2011
4. SECTION VERTICALLY EXAGGERATED 20 TIMES (NOT TO SCALE)
5. TUNNEL CROWN AND INVERT LEVELS SHOWN ARE APPROXIMATE ONLY

LONGITUDINAL SECTION

HEIGHT DATUM: A.H.D.

drawn	MG / MH
approved	CJP
date	29 / 02 / 12
scale	NTS
original size	A4

client



service provider:	
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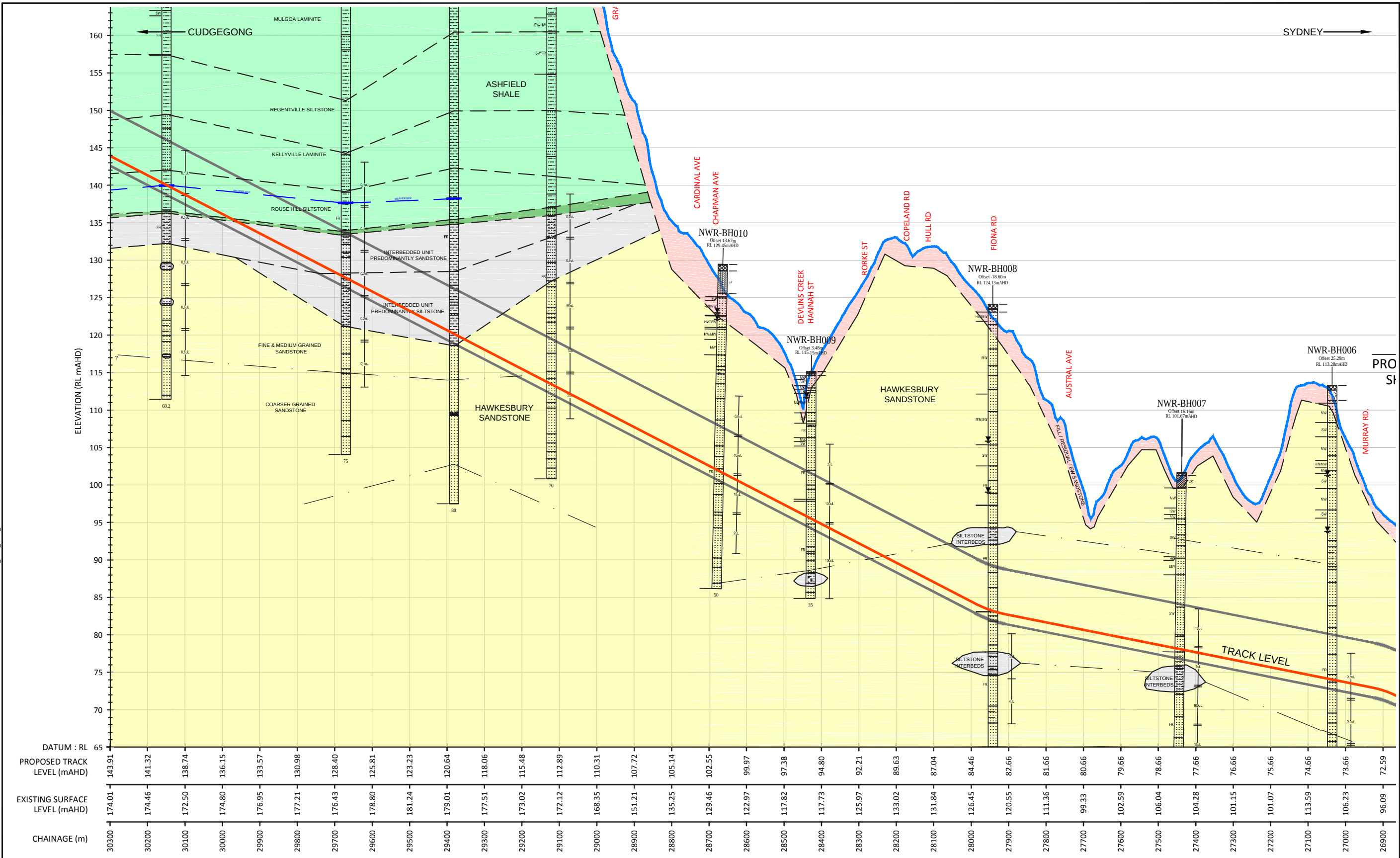
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NORTH WEST RAIL LINK
GEOTECHNICAL SERVICES
DRAFT DIAGRAMMATIC GEOTECHNICAL LONG SECTION

title:	INDEX AND GEOTECHNICAL LEGEND
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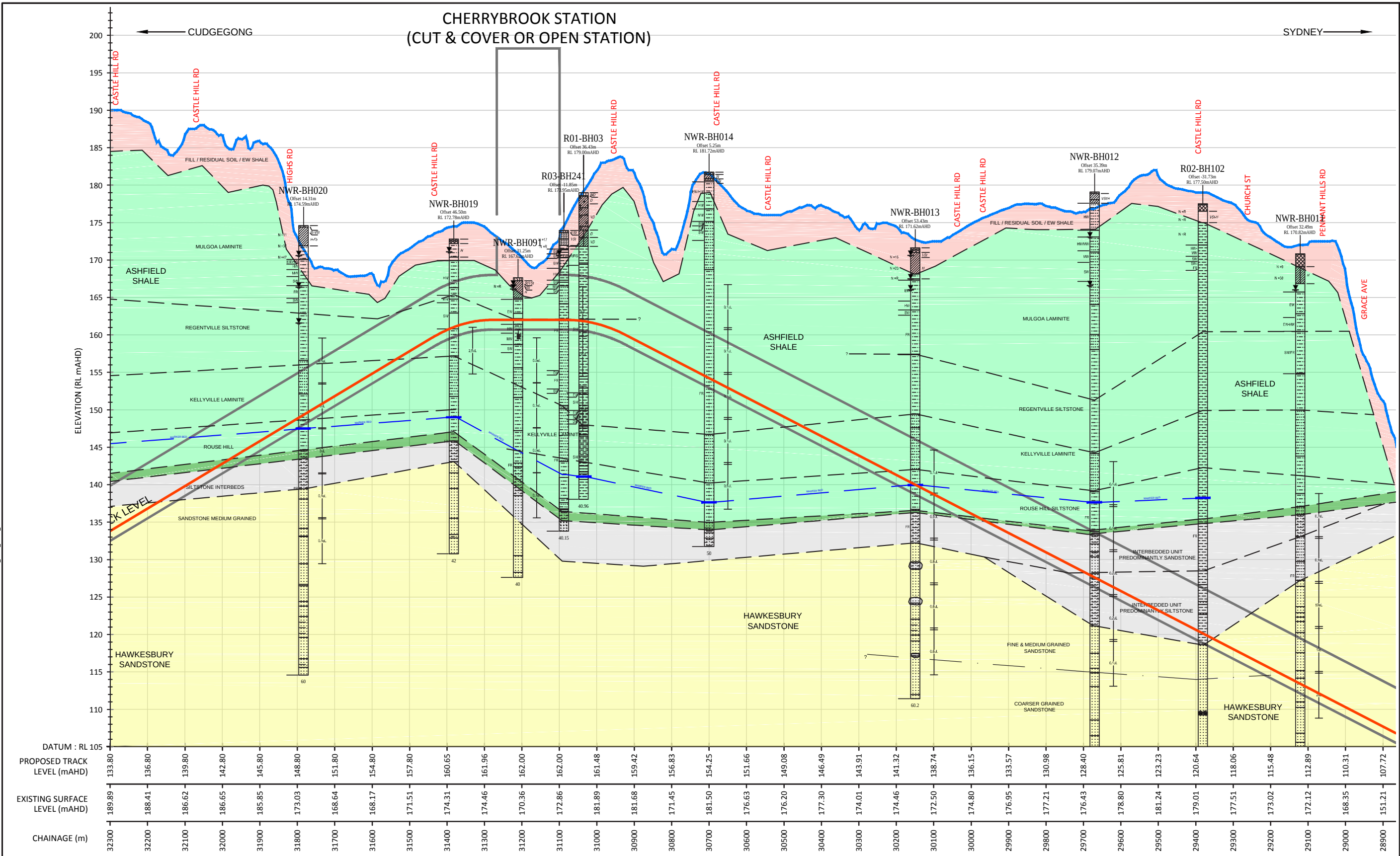
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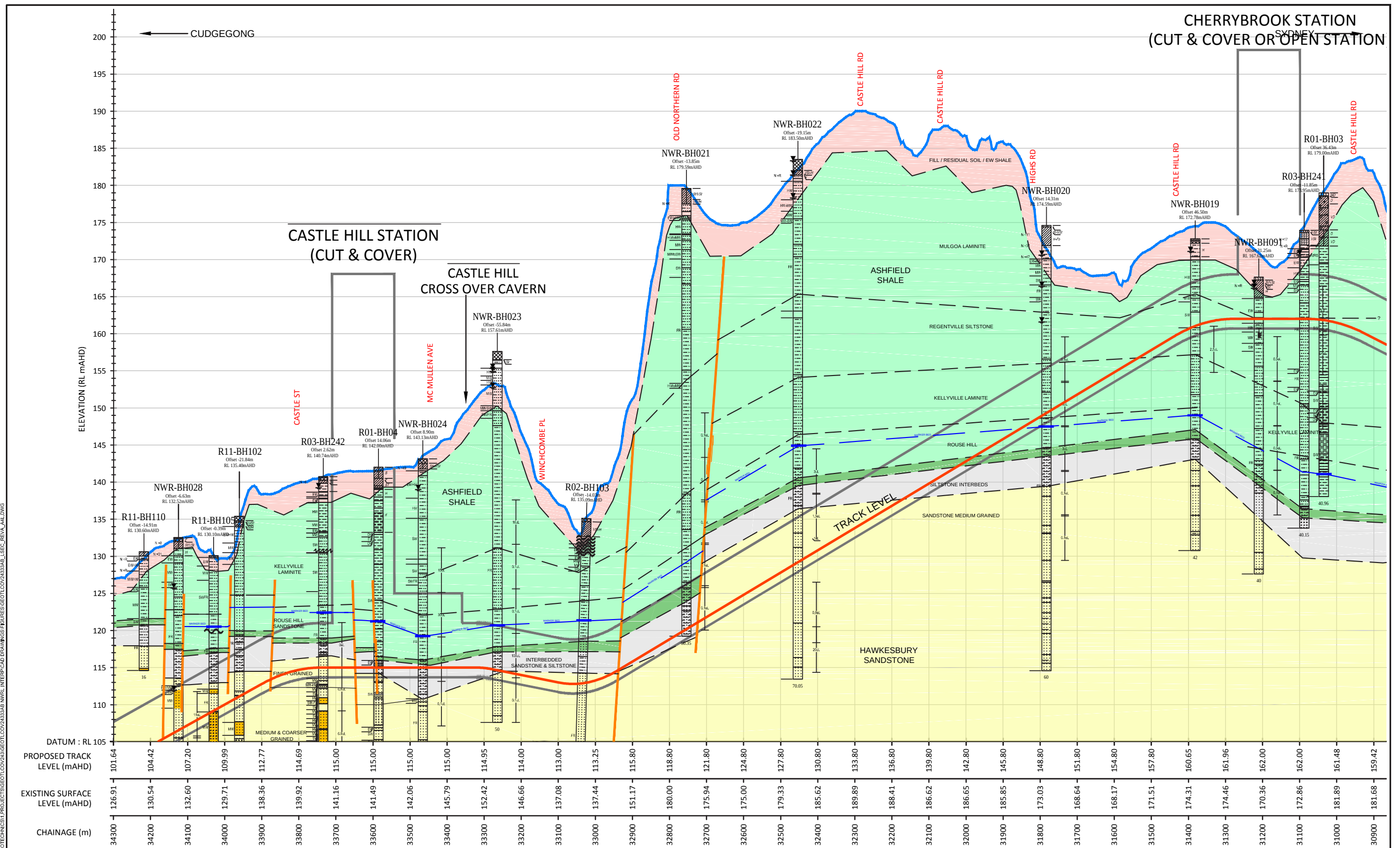


NOTES: 1. SECTION PREPARED FOR DIAGRAMMATIC PURPOSES ONLY (NOT FOR INTERPRETATION) 2. ONLY ABOUT 50% OF BOREHOLE LOGS REPRESENTED ON LONG SECTION 3. ALIGNMENT BASED ON SUPPLIED DRAFT CONCEPT DESIGN DATED 23RD DECEMBER 2011 4. SECTION VERTICALLY EXAGGERATED 20 TIMES (NOT TO SCALE) 5. TUNNEL CROWN AND INVERT LEVELS SHOWN ARE APPROXIMATE ONLY	LONGITUDINAL SECTION HEIGHT DATUM: A.H.D.	drawn	MG / MH	client NSW GOVERNMENT Transport for NSW	service provider: coffey geotechnics AECOM	project:	NORTH WEST RAIL LINK GEOTECHNICAL SERVICES DRAFT DIAGRAMMATIC GEOTECHNICAL LONG SECTION
		approved	CJP			title:	SHEET 2 OF 9
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		approved	CJP			title:	SHEET 3 OF 9
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NOTES:

LONGITUDINAL SECTION

drawn

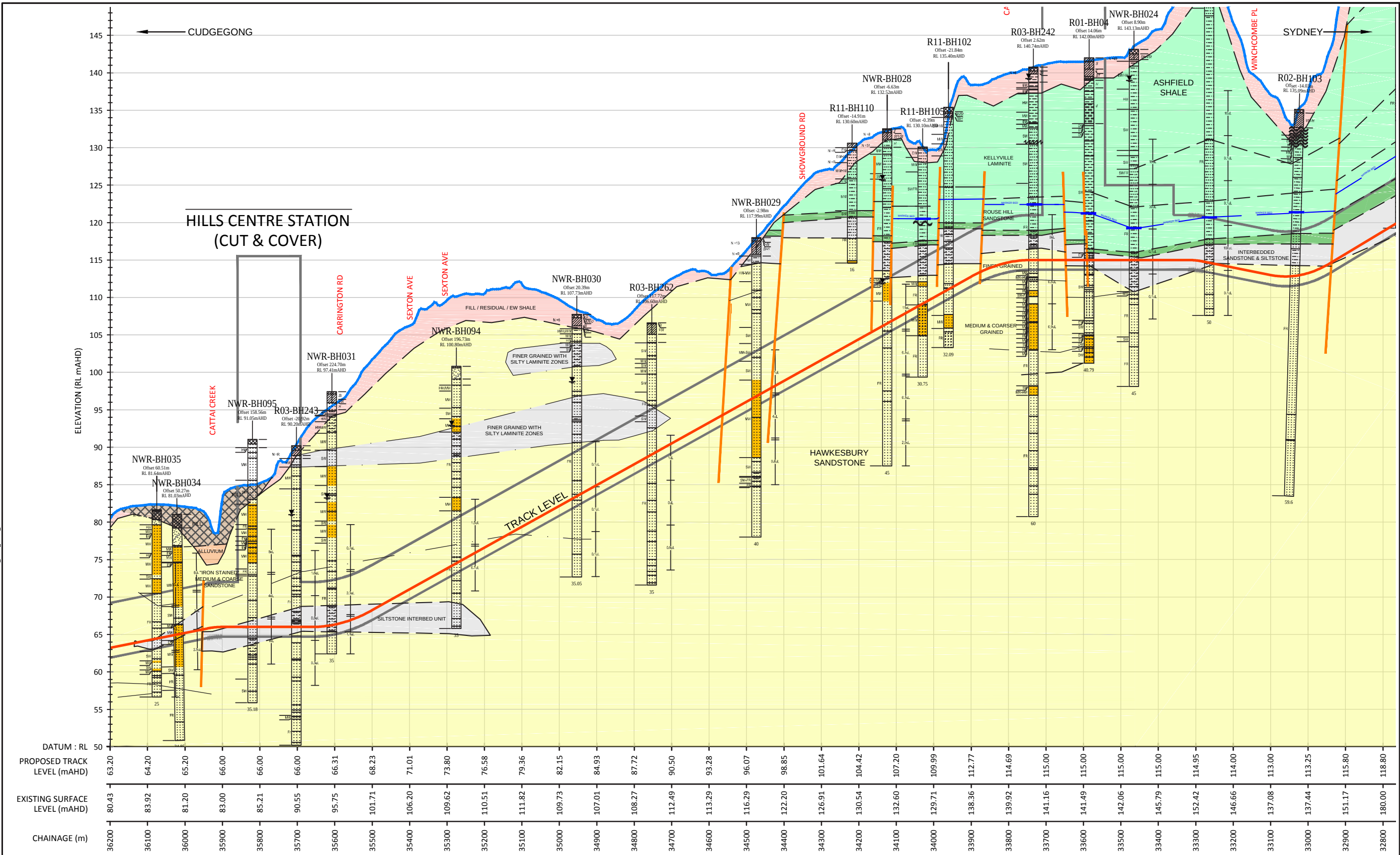
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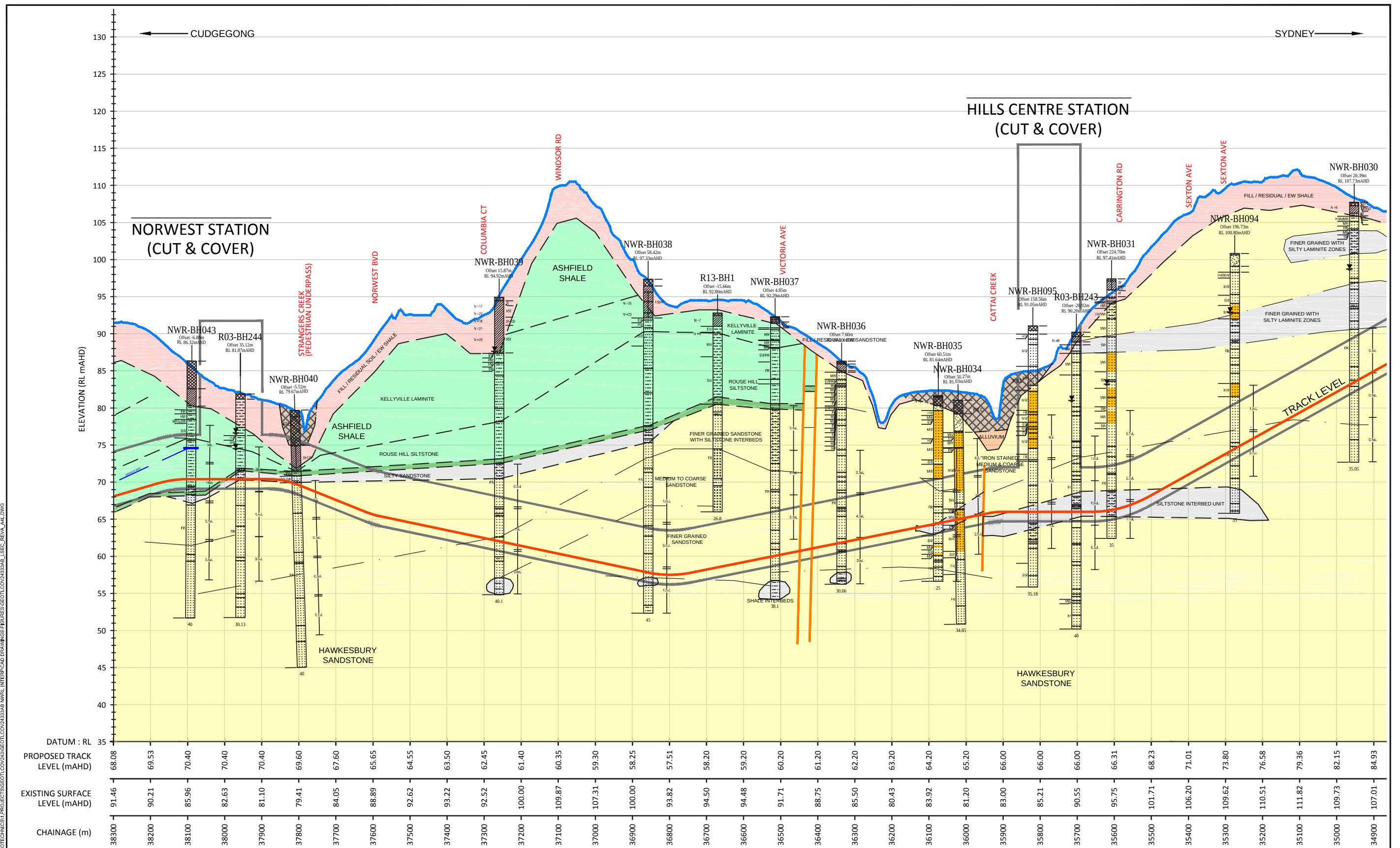
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NOTES:

LONGITUDINAL SECTION

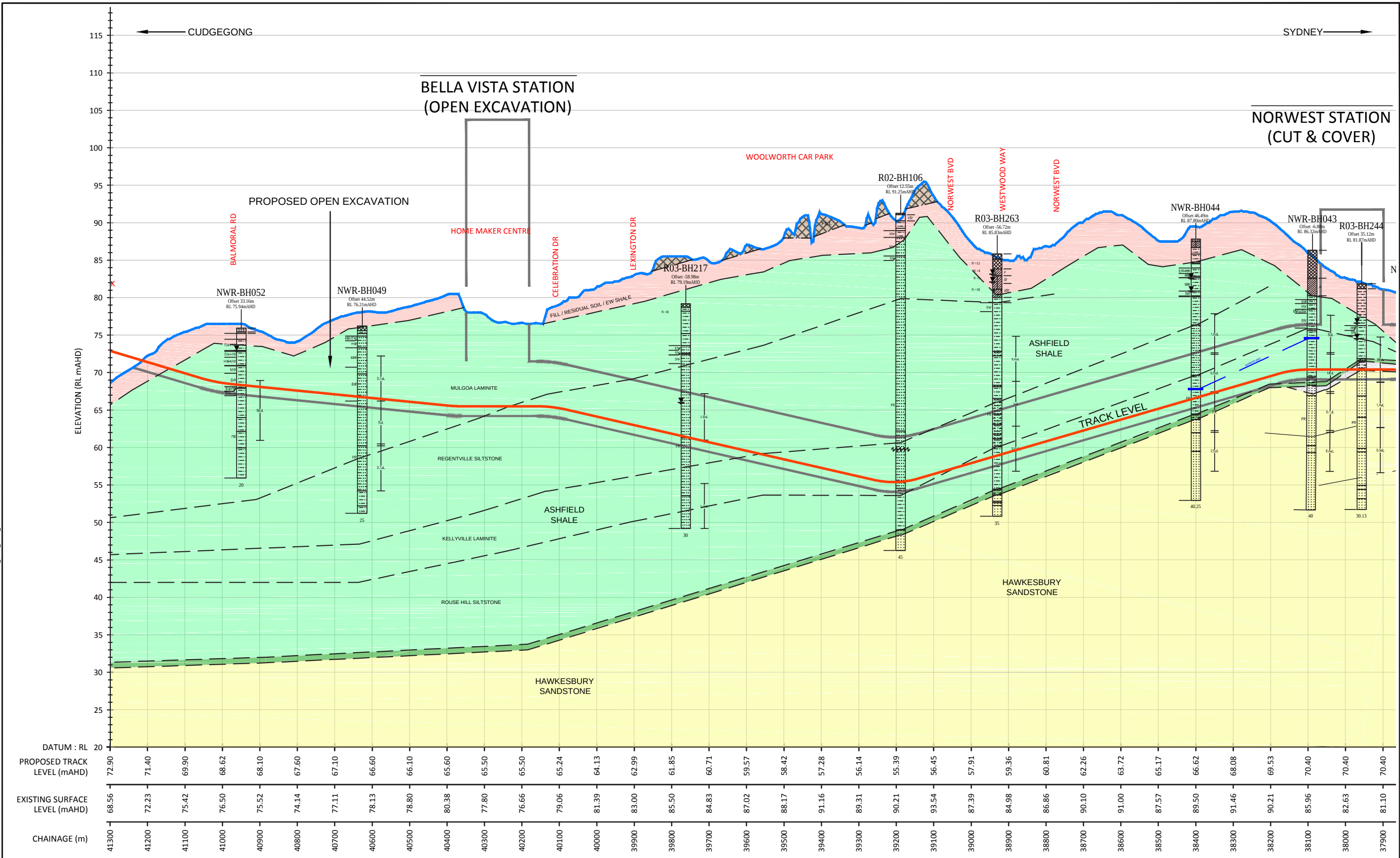
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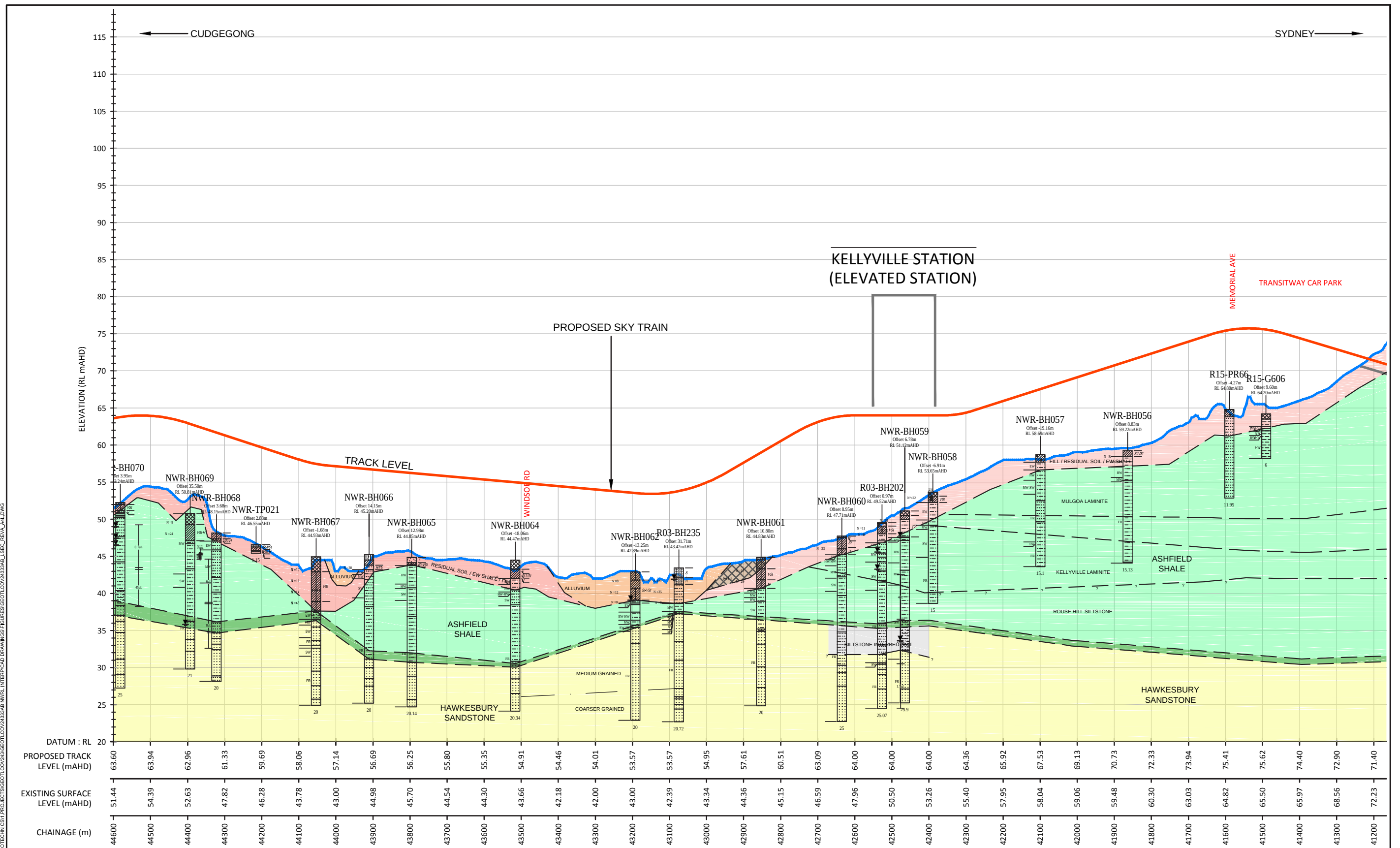
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				approved CJP			title: SHEET 7 OF 9
				date 29 / 02 / 12			figure no: FIGURE B8
				scale NTS			
				original size A4			



NOTES:

LONGITUDINAL SECTION

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approved	CJP
date	29 / 02 / 12
scale	NTS
original size	A4



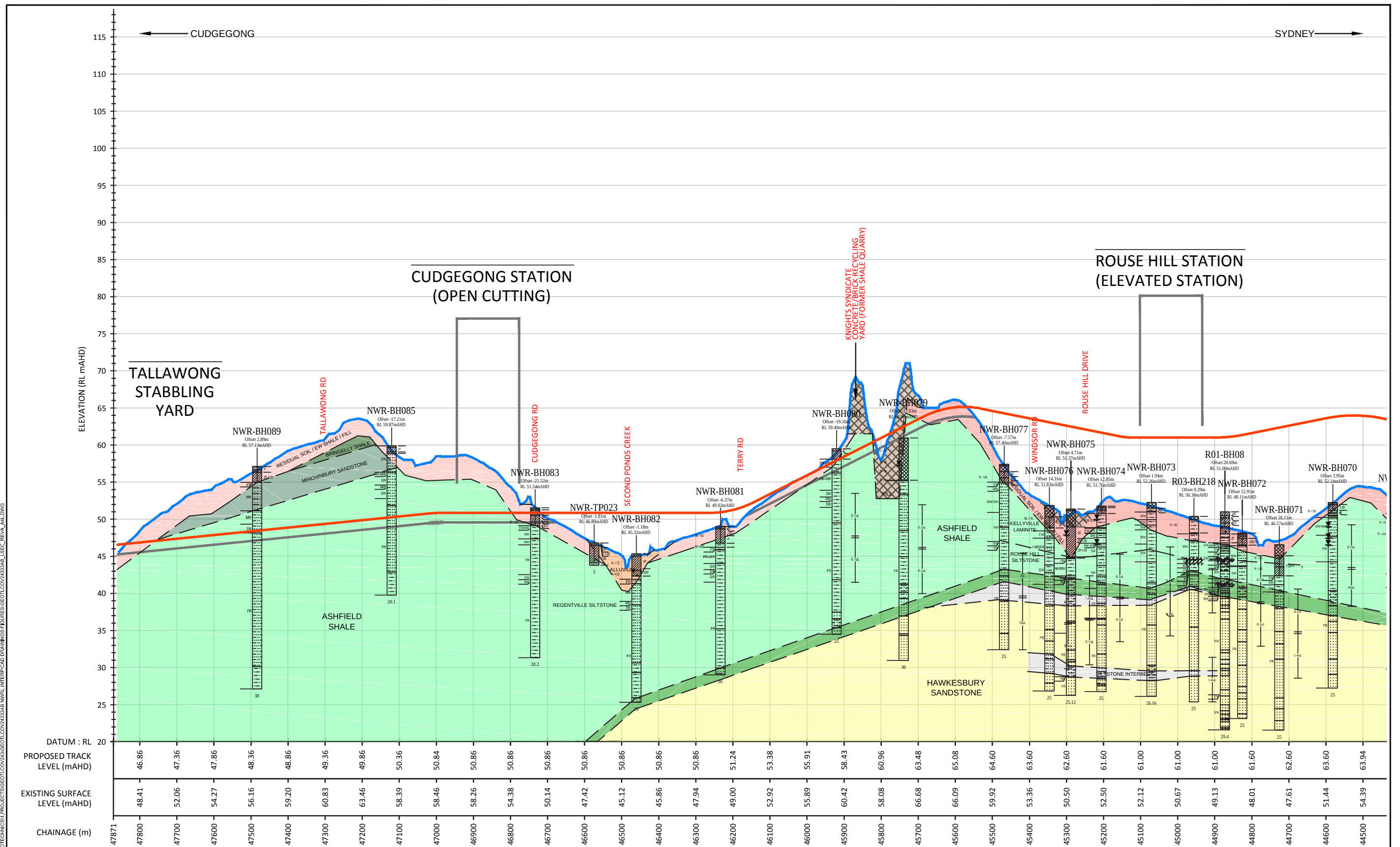
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NORTH WEST RAIL LINK
GEOTECHNICAL SERVICES
DRAFT DIAGRAMMATIC GEOTECHNICAL LONG SECTION

SHEET 8 OF 9

figure no:

FIGURE B9



NOTES:

LONGITUDINAL SECTION

drawn

