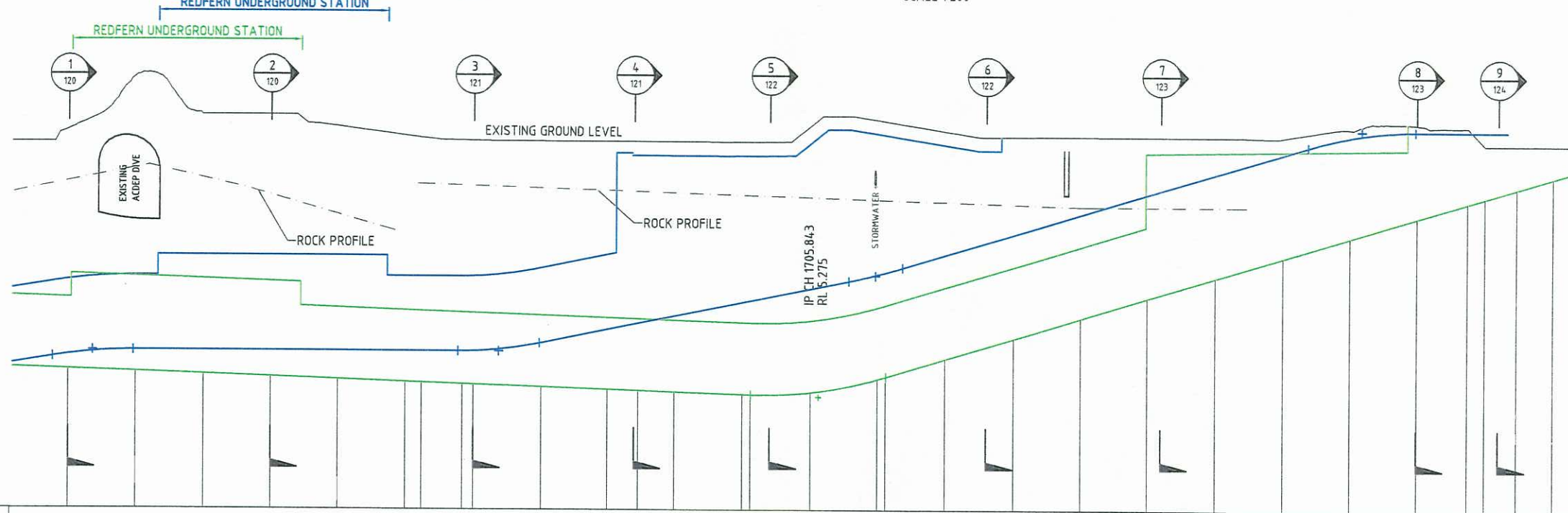
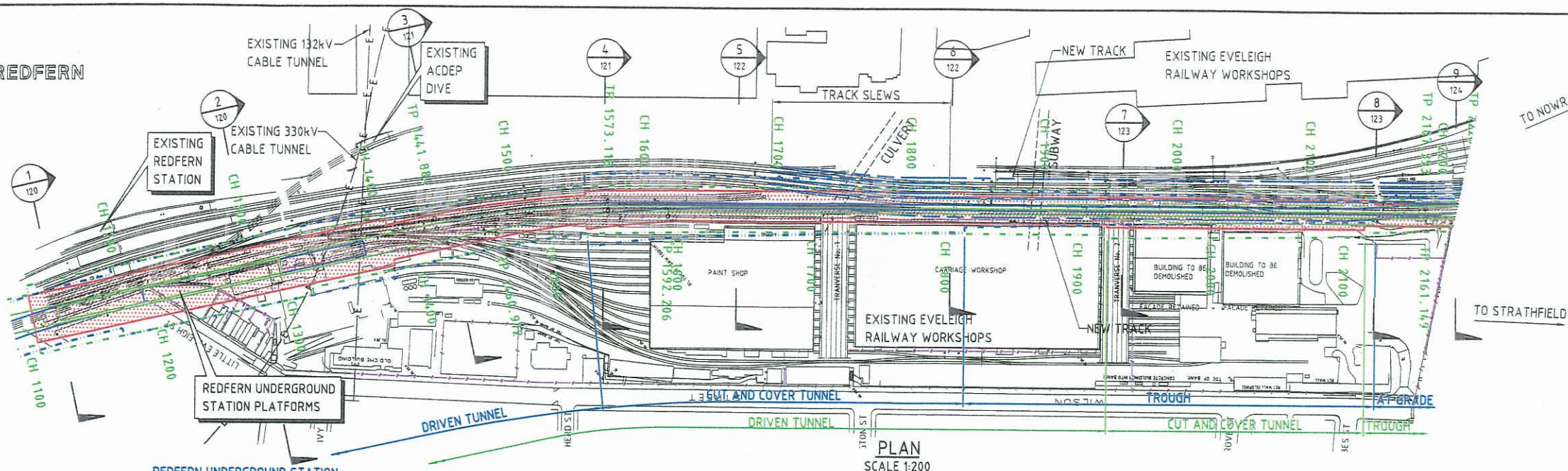




REDFERN



OPTION 1				OPTION 3			
TOP OF RAIL LEVELS	7.810	8.130	8.480	7.220	7.050	6.870	6.700
EXISTING LEVELS	24.000	25.100	25.800	24.900	28.800	26.000	26.000
CHAINAGE (DN TK)	950.000	970.000	1000.000	1150.000	1200.000	1250.000	1300.000
TOP OF RAIL LEVELS	8.600	8.600	8.600	6.520	6.350	6.300	6.200
EXISTING LEVELS	24.000	24.900	24.300	24.500	24.300	24.100	24.100
CHAINAGE (DN TK)	1100.000	1150.000	1200.000	1350.000	1400.000	1450.000	1500.000
TOP OF RAIL LEVELS	8.600	8.600	8.600	6.520	6.350	6.300	6.200
EXISTING LEVELS	24.000	24.900	24.300	24.500	24.300	24.100	24.100
CHAINAGE (DN TK)	1100.000	1150.000	1200.000	1350.000	1400.000	1450.000	1500.000

DOWN TRACK-LONGITUDINAL SECTION
SCALE 1:200 HORZ, 1:20 VERT

NOTES

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02	02.10.07	SECOND ISSUE	LPM		
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RailCorp

Project:

NORTH EVELEIGH DIVE AND
TUNNEL ALIGNMENT
CONCEPT DESIGN
CORRIDOR PROTECTION

Drawn

LPM

Designed

MS

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CB

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CB

Signed

Signed

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Signed

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Signed

Signed

Date

Date

Date

Date

Date

Date

Date

Date

Drawing Title:

GENERAL ARRANGEMENT
AND LONGITUDINAL SECTION

CW Project No.

27551.001

Scale

AS SHOWN

Drawing No.

Rev.

SK-100

02

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NOTES

- ALIGNMENT AND STRUCTURE TYPE/CONSTRUCTION METHODOLOGY ARE AS DEFINED IN SOUTH INTERFACE STUDY CONCEPT DESIGN REPORT BY CONNELL WAGNER JANUARY 2003.
- SURVEY BACKGROUND BY WHELANS. PROVIDED BY RAILCORP MARCH 2007.
- LOCATION OF RAIL BOUNDARY PROVIDED BY RWA DRAWING "PLAN OF PROPOSED SUBDIVISION OF LOTS 4 & 5 DP862514 AT REDFERN." CAD FILE C641-012.DWG DATED 02-08-2007
- TYPICAL ALLOWANCES:
 - ALLOWANCE FOR ALIGNMENT DEVELOPMENT.
 - ALLOWANCE FOR PRIMARY SUPPORT INCLUDING CONSTRUCTION TOLERANCES.
 - ALLOWANCE FOR SECONDARY LINING.
 - DIMENSION REDUCED TO ACCOMODATE SLEWED TRACKS. AS FOLLOWS:
OPTION 1 CH 1840 TO START OF DIVE STRUCTURE.
OPTION 3 CH 2142 TO START OF DIVE STRUCTURE.
 - ALLOWANCE FOR STATION GEOMETRICAL DEVELOPMENT
- OPTION 1 & 3 STRUCTURES EXTEND OUTSIDE RAIL CORRIDOR. STRUCTURE & ALLOWANCES TO BE REFINED DURING DETAILED DESIGN. HOWEVER CORRIDOR TO BE PROTECTED BASED ON ASSUMPTIONS DETAILED ON THESE DRAWINGS.
- WIDTH OF TROUGH DIVE STRUCTURES REDUCED TO SUIT 5.0m TRACK SPACING BETWEEN SLEWED UP MAIN AND NEW TRACK C:
OPTION 1 CH 1840 TO START OF DIVE STRUCTURE.
OPTION 3 CH 2142 TO START OF DIVE STRUCTURE.

LEGEND

- OPTION 1 RAIL C
- OPTION 3 RAIL C
- RAIL CORRIDOR BOUNDARY.
- OPTION 1 EDGE OF PROTECTION ZONE (PLANS)
- OPTION 1 EDGE OF PROTECTION ZONE (SECTIONS)
- OPTION 3 EDGE OF PROTECTION ZONE (PLANS)
- OPTION 3 EDGE OF PROTECTION ZONE (SECTIONS)
- FUTURE RAIL STRUCTURE ENVELOPE. FOUNDATIONS/STRUCTURES NOT PERMITTED WITHIN THIS ZONE.
- MINIMUM CLEARANCE TO FOUNDATIONS/STRUCTURES TO ACCOMMODATE LOCAL TUNNEL STRUCTURES SUCH AS REFUGES AND NICHES. 2000mm TO BE MAINTAINED TO FOUNDATION/STRUCTURE. FOUNDATIONS/STRUCTURES NOT PERMITTED WITHIN THIS ZONE.
- EXCLUSION ZONE: FOUNDATIONS/STRUCTURES NOT PERMITTED
- ZONE WHICH MAY BE INTERSECTED BY DISCRETE FOUNDATIONS EG. PILES BUT WITHIN WHICH FOUNDATIONS/STRUCTURES MAY NOT BEAR AND SHALL BE TRANSFERRED TO BELOW THE ZONE. ANY BASEMENT SLABS OR 'ON GROUND' SLABS MUST BE SUSPENDED AND ANY LOADS THEREOF TRANSFERRED TO BELOW THE ZONE.
- ZONE FOR GROUND SUPPORT WHICH MAY BE INTERSECTED BY DISCRETE FOUNDATIONS/STRUCTURES AND WITHIN WHICH THEY MAY BEAR.
- ZONE WHICH MAY BE INTERSECTED BY DISCRETE OR CONTINUOUS FOUNDATIONS/ STRUCTURES BUT WITHIN WHICH FOUNDATIONS/STRUCTURES MAY NOT BEAR. AND SHALL BE TRANSFERRED TO BELOW THE ZONE.

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																									SK-101 01		
01 02.10.07 FIRST ISSUE (TO RWA)				LPM																							
Rev Date Revision Details				By Ver App																							



REDFERN

CONTROL LINE AND 3 OPTION 3 DN TRACK

EXISTING
REDFERN
STATION

REDFERN UNDERGROUND
STATION PLATFORMS

EXISTING
ACDEP
DIVE

EXISTING 132kV
CABLE TUNNEL

EXISTING 330kV
CABLE TUNNEL

CME BUILDING

IVY ST

PLAN
SCALE 1:500

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CB		
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CB		

Drawing Title:

DETAILED SITE PLAN
SHEET 1 OF 4

CW Project No.

27551.001

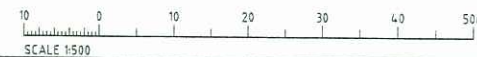
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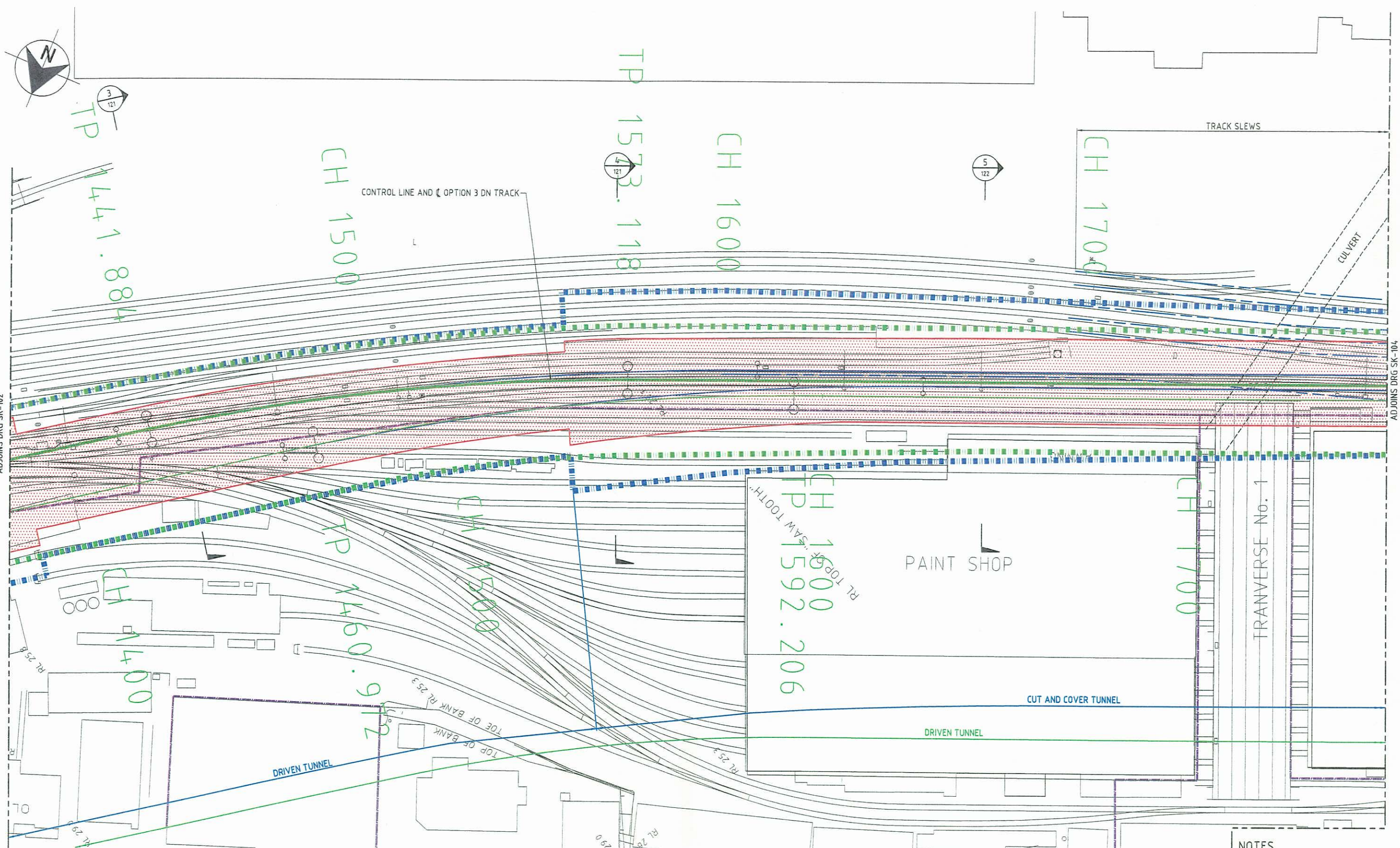
Drawing No.

Rev.

SK-102 01



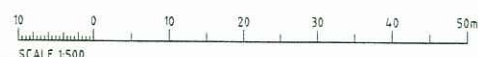
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PLAN
SCALE 1:500

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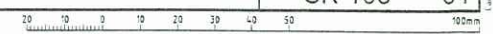
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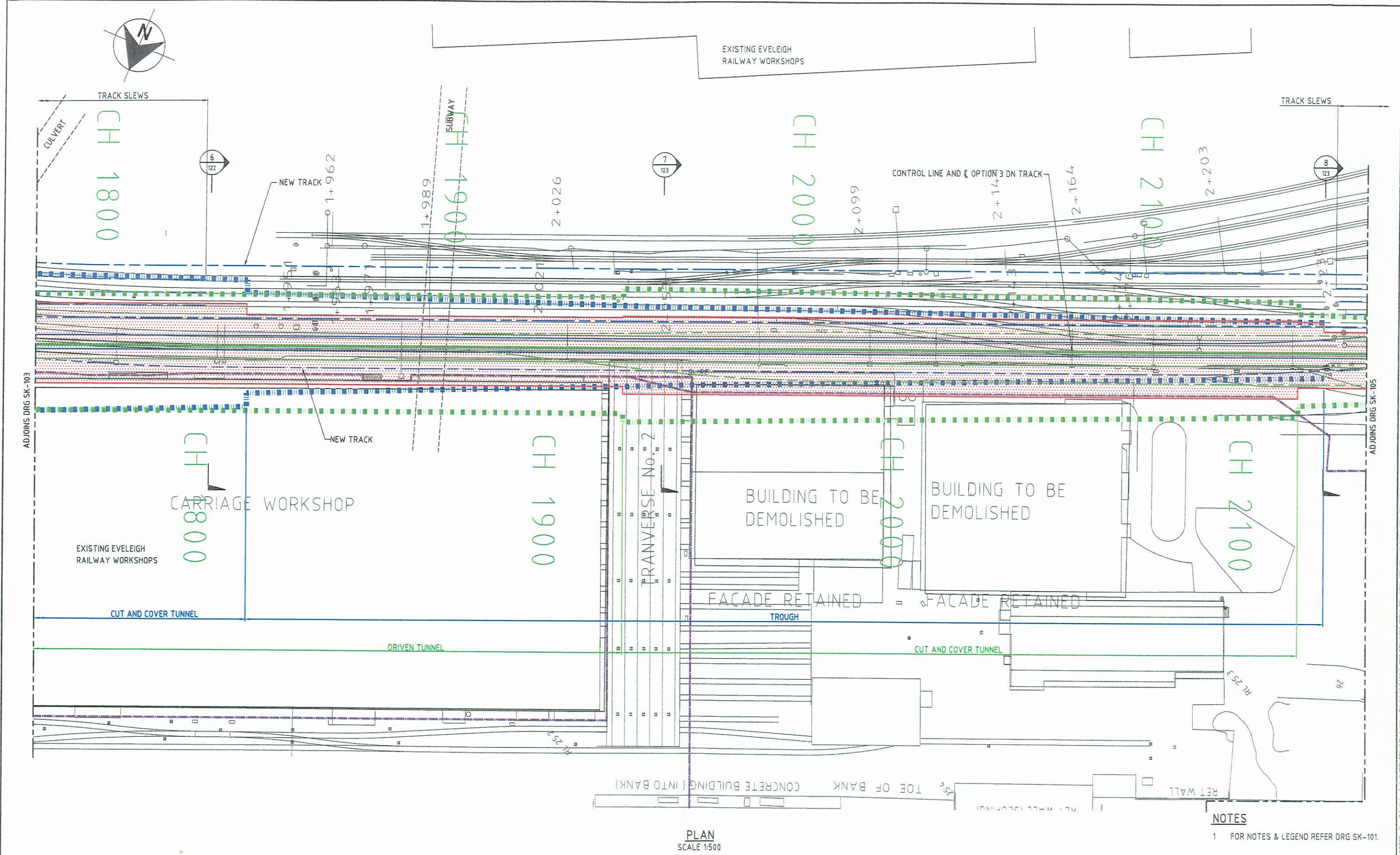
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Drawing Title:
**DETAILED SITE PLAN
SHEET 2 OF 4**

CW Project No.	27551.001
Scale	AS SHOWN
Drawing No.	SK-103
Rev.	01





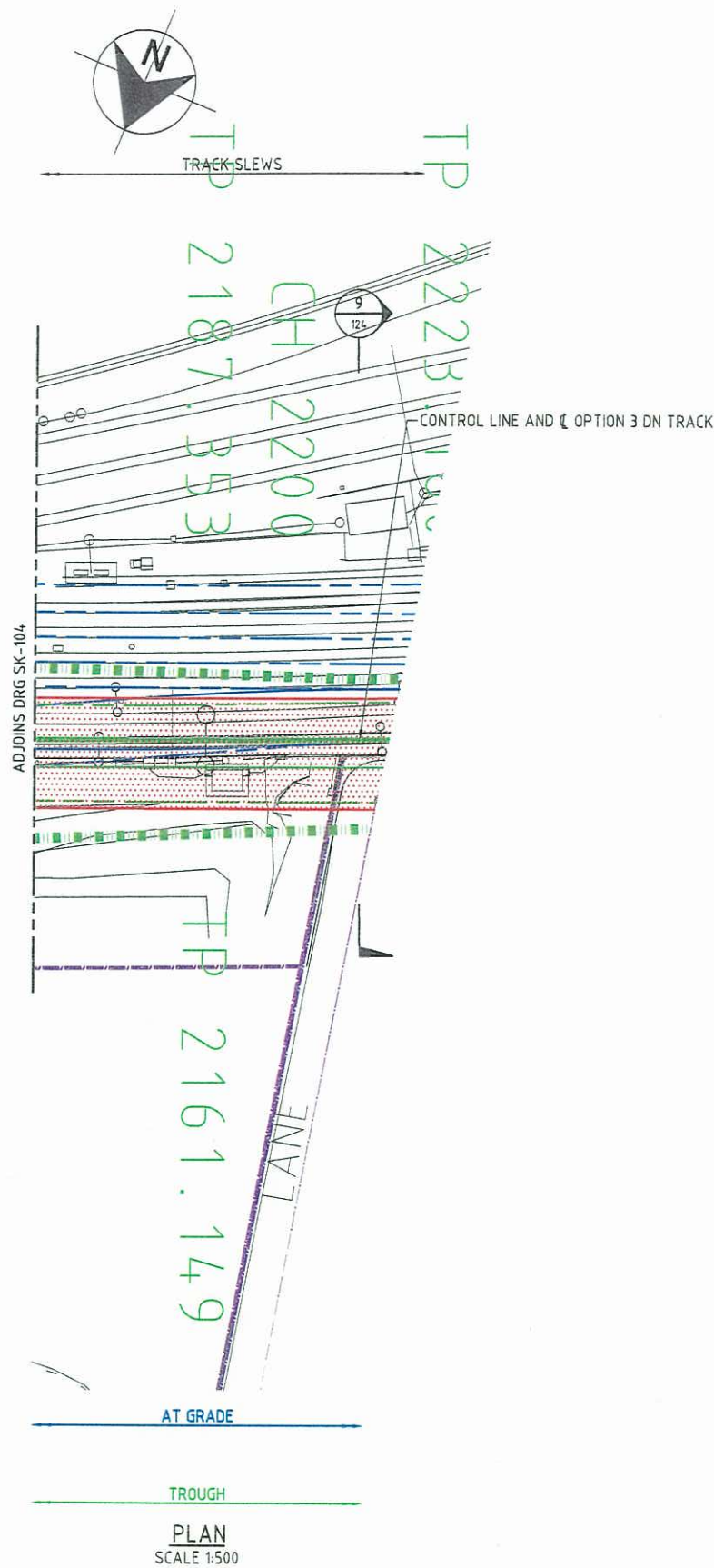
PLAN
SCALE 1:500

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Drawing Title:

DETAILED SITE PLAN
SHEET 4 OF 4

CW Project No.

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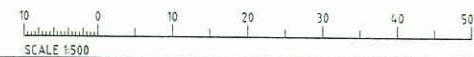
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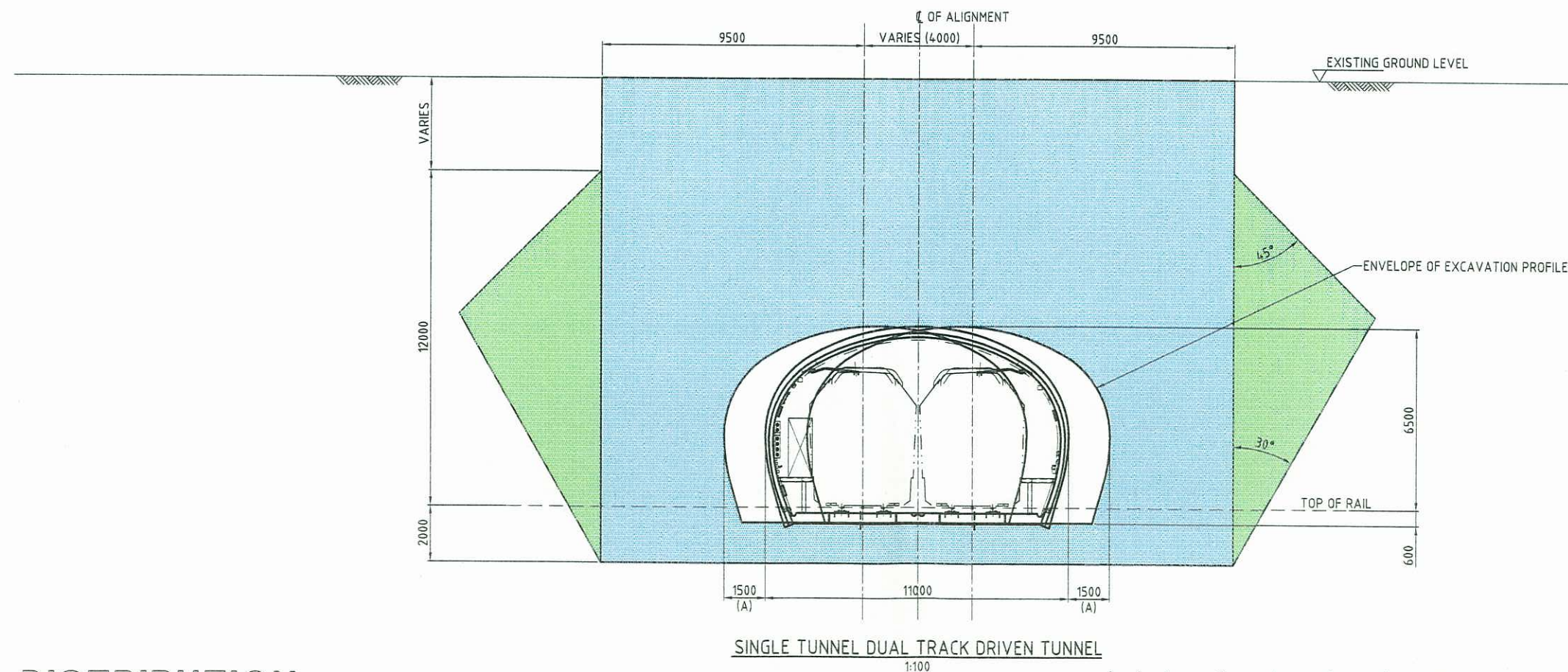
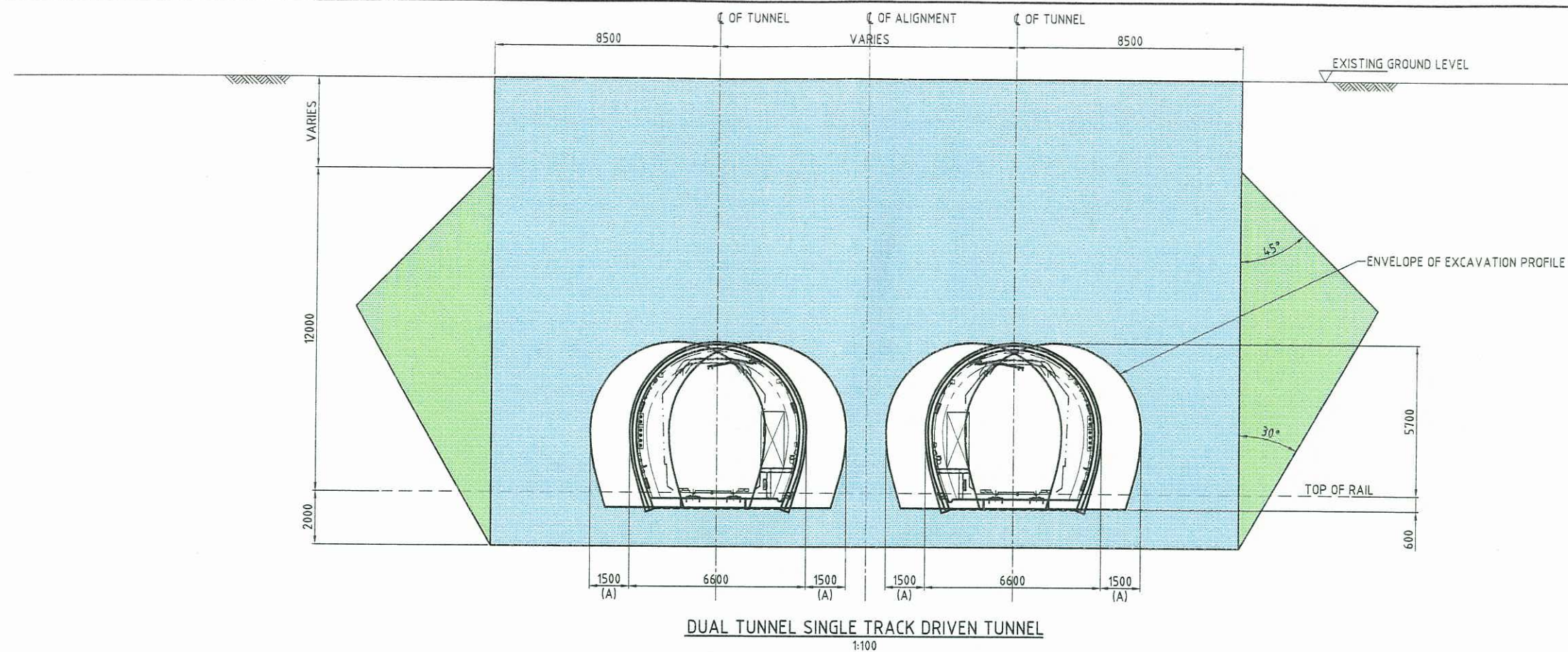
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Drawing Title:

TYPICAL ZONE DEFINITION
SHEET 1 OF 3

CW Project No.

27551.001

Scale

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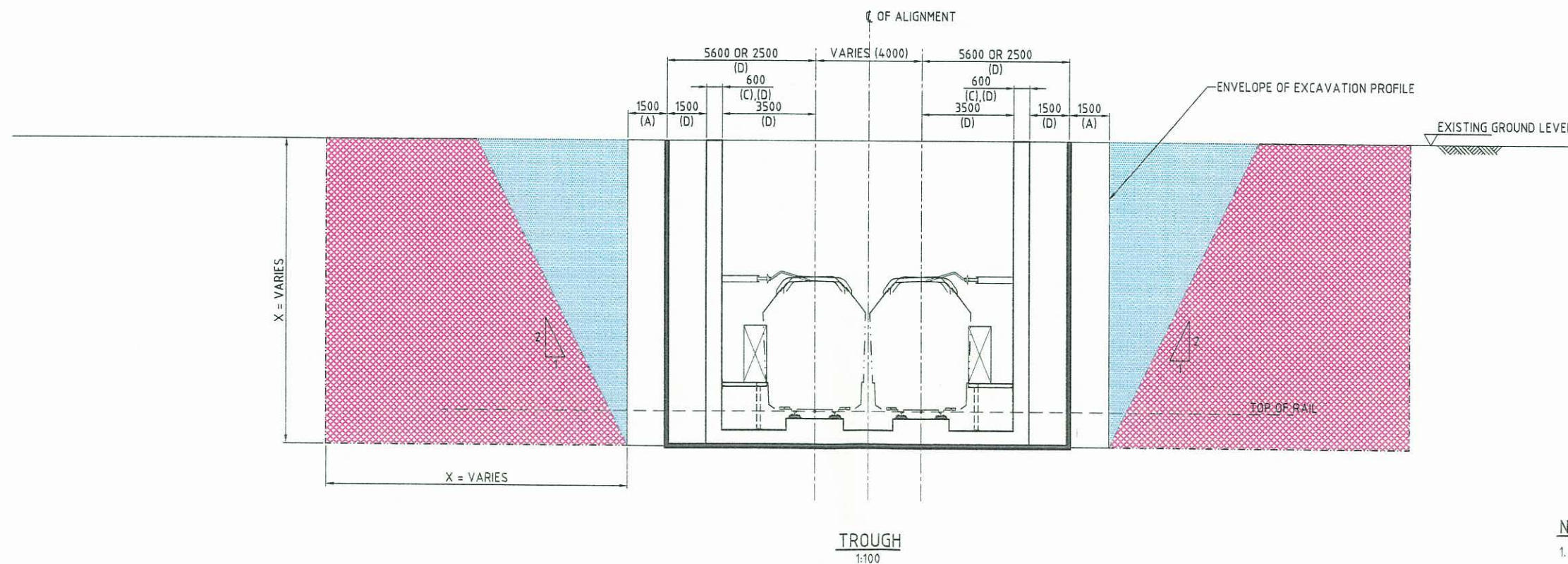
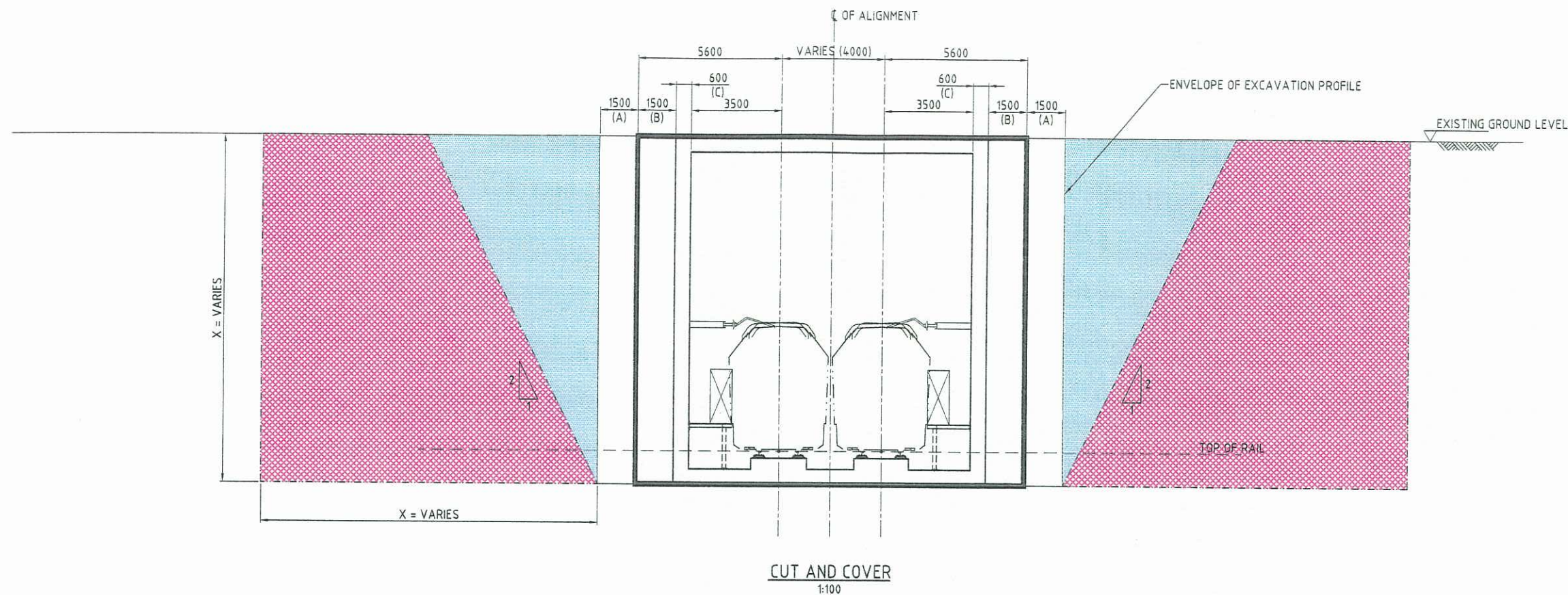
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10 20 30 40 50 60 70 80 90 100mm



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Drawing Title:

TYPICAL ZONE DEFINITION
SHEET 2 OF 3

CW Project No.

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SK-111

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