

DESIGN DRAWINGS

INLAND
RAIL 

Part 1 of 2

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

ARTC

The Australian Government is delivering
Inland Rail through the Australian
Rail Track Corporation (ARTC), in
partnership with the private sector.

Contents

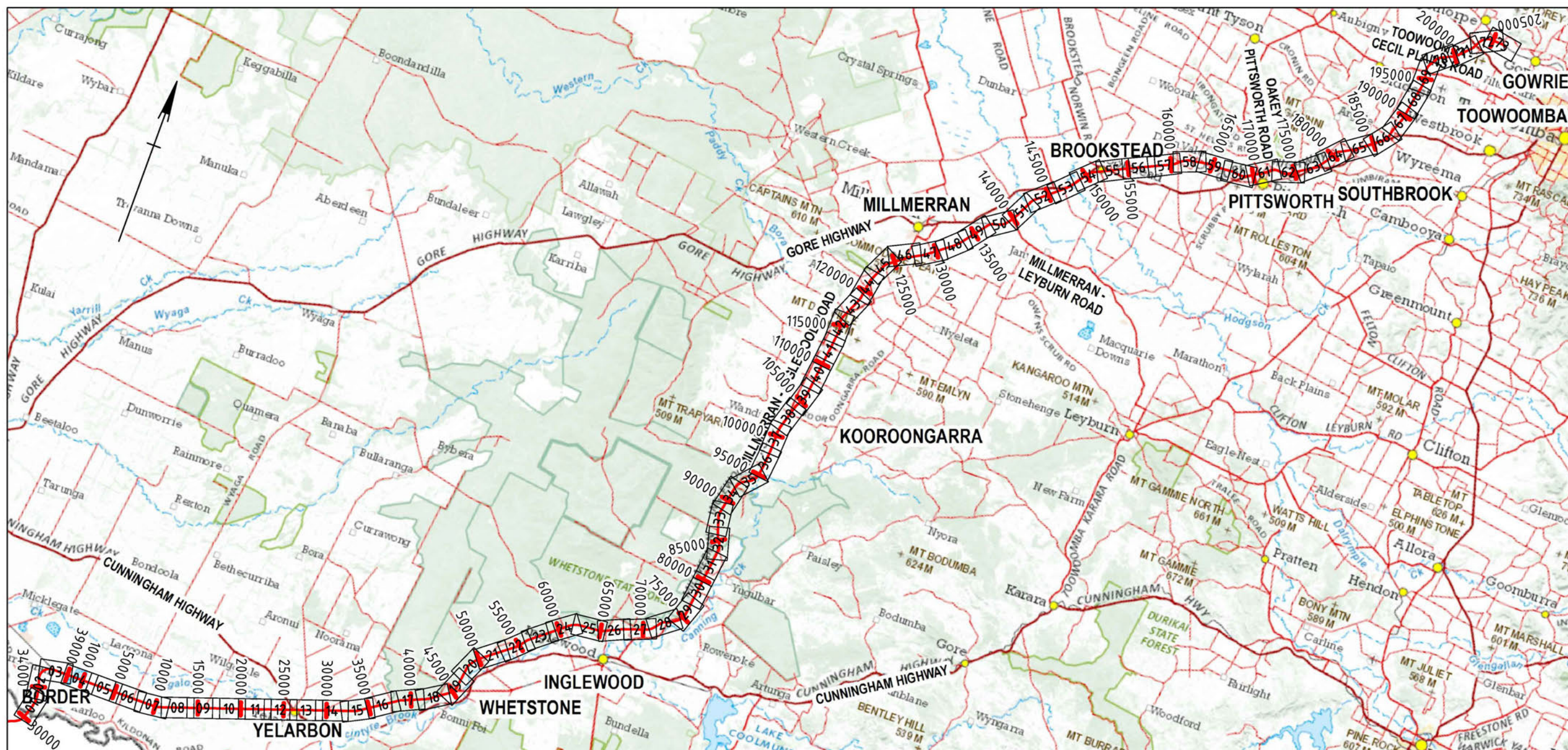
The drawings provided in this volume have been included to provide complete coverage of the Border to Gowrie Project, as described in the Border to Gowrie Project Environmental Impact Statement (EIS).

This volume includes the following:

- ▶ Drawing index
- ▶ Legend
- ▶ Cover sheet and locality plan
- ▶ Environmental drawings – plan and profile: Sheet 1 to 73
- ▶ General arrangement drawings: Sheet 1 to 73

These drawings have been compiled to support the Border to Gowrie EIS and are not to be used for land acquisition or construction purposes. The design will be subject to review and revision during detail design, whilst remaining compliant with conditions of approval.

ARTC - INLAND RAIL BORDER TO GOWRIE PROJECT ENVIRONMENTAL



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Drawing standard in accordance with EGP-04-01 & EGP-04-02

Used on / Next higher assembly:	Scale
Filename:	NOT TO SCALE
2-0001-310-ELE-10-SK-1001.dwg	Alternate DMS number:

Future Freight
Integrating Community, Environment and Engineering



2-0001-310-ELE-10-SK-1001

SHEET
SIZE
A1

TITLE
INLAND RAIL - BORDER TO GOWRIE
ENVIRONMENTAL
COVER SHEET AND LOCALITY PLAN

1

2

3

4

5

6

7

8

DRAWN TO
AS1100



DO NOT SCALE

ALL DIMENSIONS IN METRES
UNLESS STATED OTHERWISE

NOT FOR CONSTRUCTION

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Used on / Next higher assembly:

Scale

Filename:

Alternate DMS number:

2-0001-310-ELE-10-SK-1002.dwg





2-0001-310-ELE-10-SK-1002

1:5000

TITLE

INLAND RAIL - BORDER TO GOWRIE
ENVIRONMENTAL - DRAWING INDEX

SHEET
SIZE
A1

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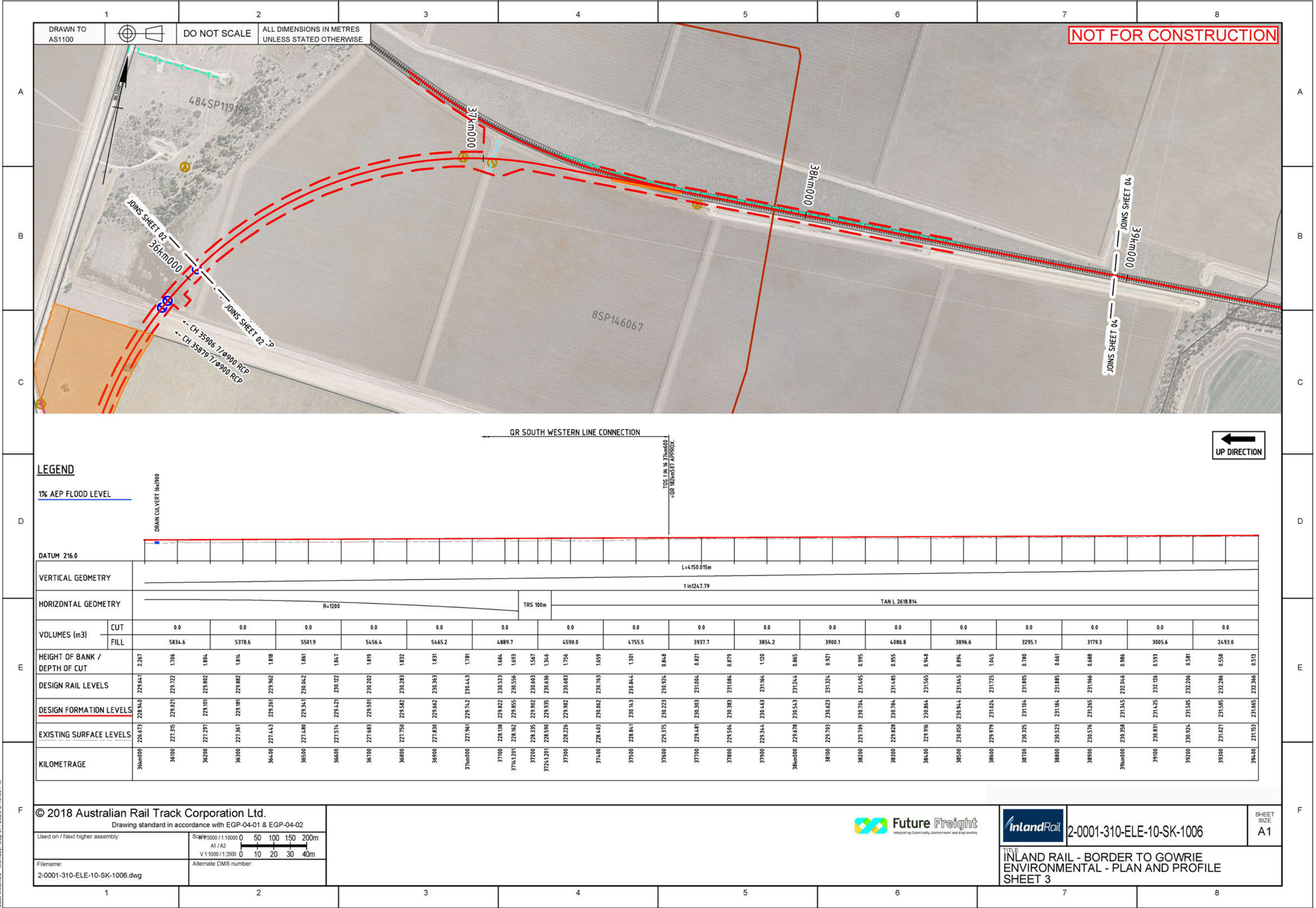
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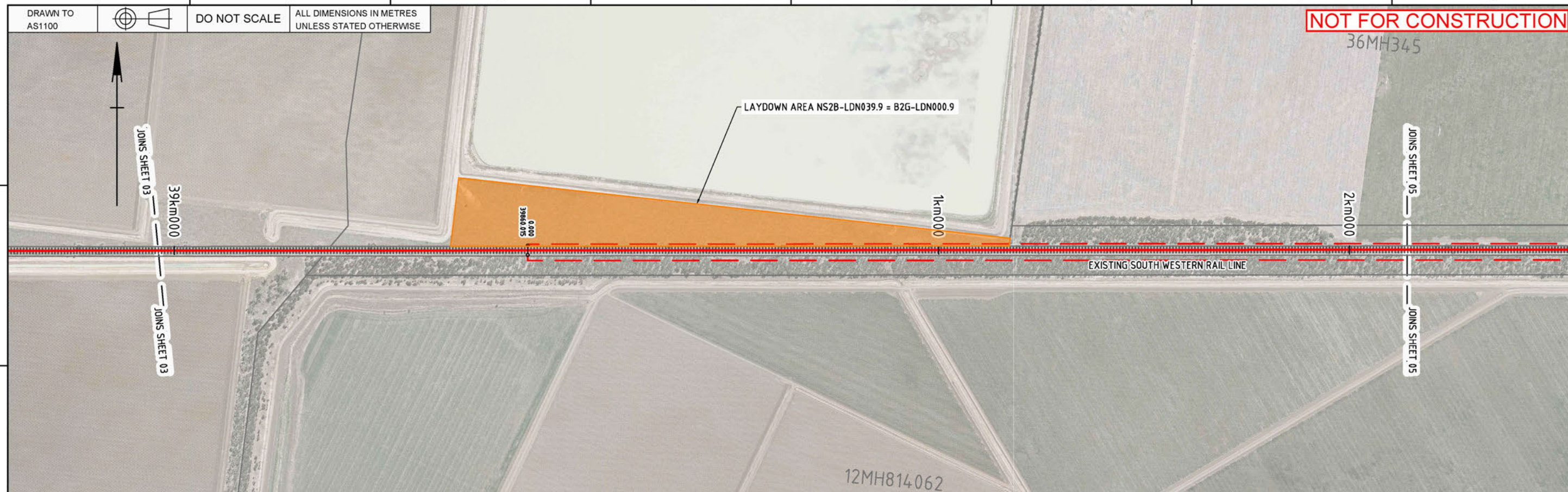
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1. LEGEND NOT APPLICABLE TO LINE DIAGRAM.

TITLE
INLAND RAIL - BORDER TO GOWRIE
ENVIRONMENTAL - LEGEND



Last Modified - Monday, Sep 07, 2020 2:13:30 PM



LEGEND

1% AEP FLOOD LEVEL

←
UP DIRECTION

DATUM 220.0																																						
VERTICAL GEOMETRY																																						
HORIZONTAL GEOMETRY																																						
VOLUMES (m3)	CUT	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																			
	FILL	2900.1	2704.6	659.4	1722.2	1777.8	1485.0	1564.7	1905.5	1593.1	1818.6	1818.9	1782.1	1686.7	1491.7	1650.3	1694.7	1800.6	1827.6																			
HEIGHT OF BANK / DEPTH OF CUT		0.53	0.607	0.705	0.513	0.409	0.387	0.327	0.834	0.312	0.289	0.385	0.413	0.428	0.453	0.353	0.246	0.425	0.335	0.363	0.350	0.450	0.897	0.341	0.902	0.427	0.395	0.835	0.671	0.460	0.376	0.879	0.948	0.737	0.364			
DESIGN RAIL LEVELS		232.366	232.446	232.527	232.607	232.687	232.767	232.847	232.927	233.007	233.087	233.167	233.247	233.327	233.407	233.487	233.567	233.647	233.727	233.807	233.887	233.967	234.047	234.127	234.207	234.287	234.367	234.447	234.527	234.607	234.687	234.767	234.847	234.927	235.007			
DESIGN FORMATION LEVELS		231.665	231.745	231.826	231.906	231.986	232.066	232.146	232.226	232.306	232.386	232.466	232.546	232.626	232.706	232.786	232.866	232.946	233.026	233.106	233.186	233.266	233.346	233.426	233.506	233.586	233.666	233.746	233.826	233.906	233.986	234.066	234.146	234.226	234.306	234.386		
EXISTING SURFACE LEVELS		231.153	231.138	231.120	231.393	231.577	231.618	231.726	231.867	232.042	232.145	232.330	232.434	232.544	232.674	232.754	232.834	232.914	233.075	233.075	233.075	233.075	233.075	233.075	233.075	233.075	233.075	233.075	233.075	233.075	233.075	233.075	233.075	233.075	233.075	233.075		
KILOMETRAGE		394.00	395.00	396.00	397.00	398.00	398.60	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1507.088	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000

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Used on / Next higher assembly:

Scale 1:5000 / 1:10000 0 50 100 150 200m
A1/A3

Filename:
2-0001-310-ELE-10-SK-1007.dwg

Alternate DMS number:



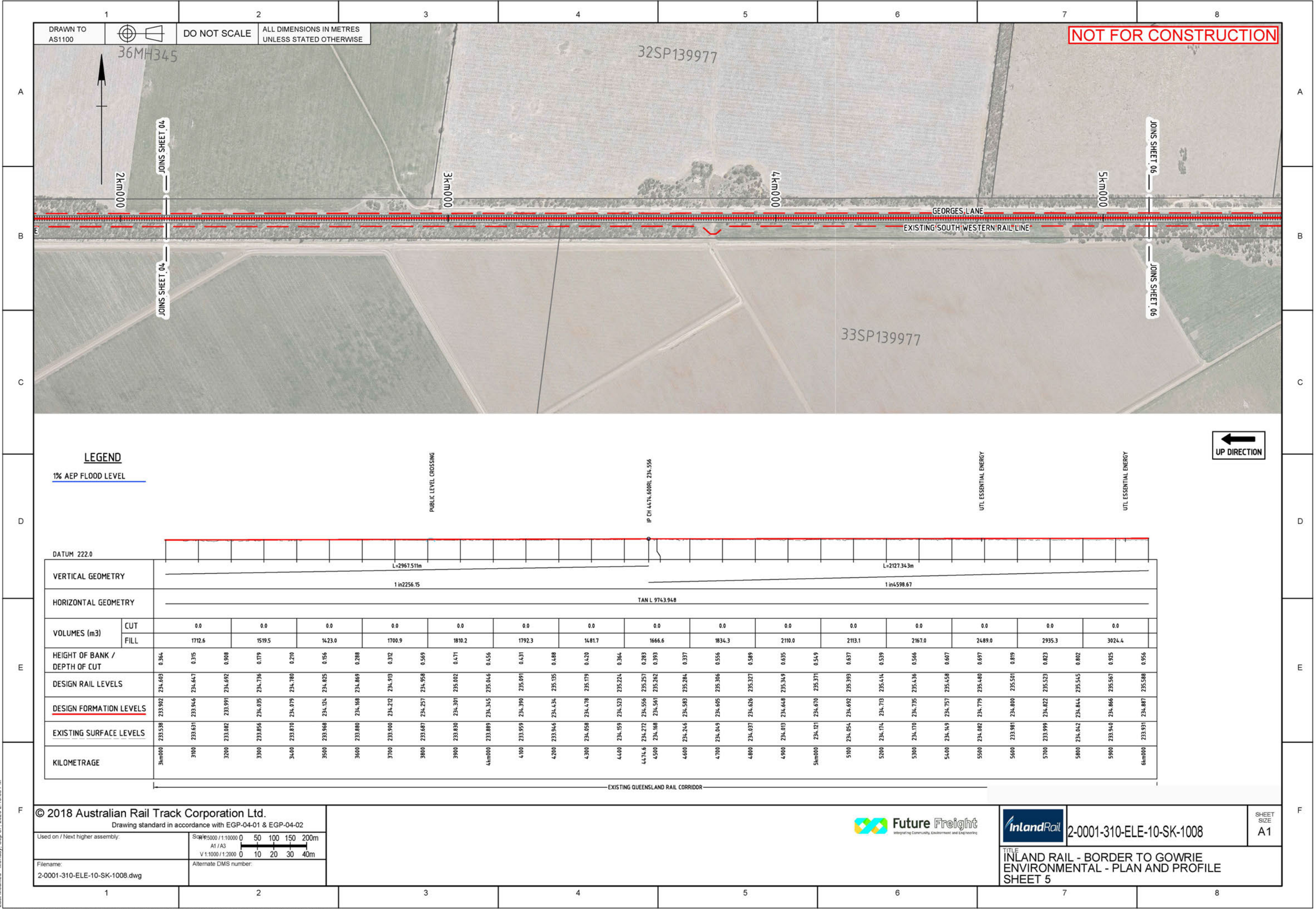
Future Freight
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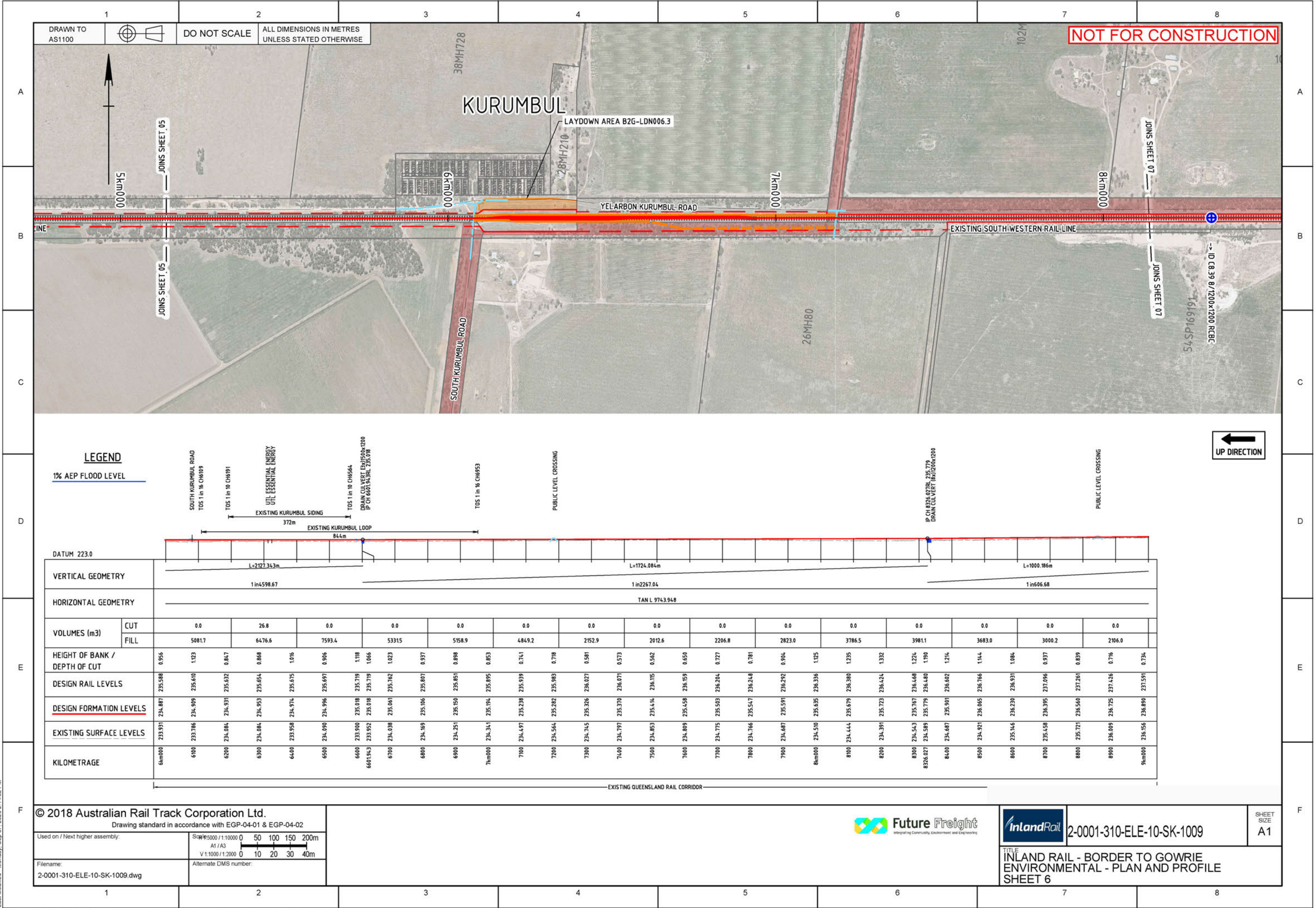
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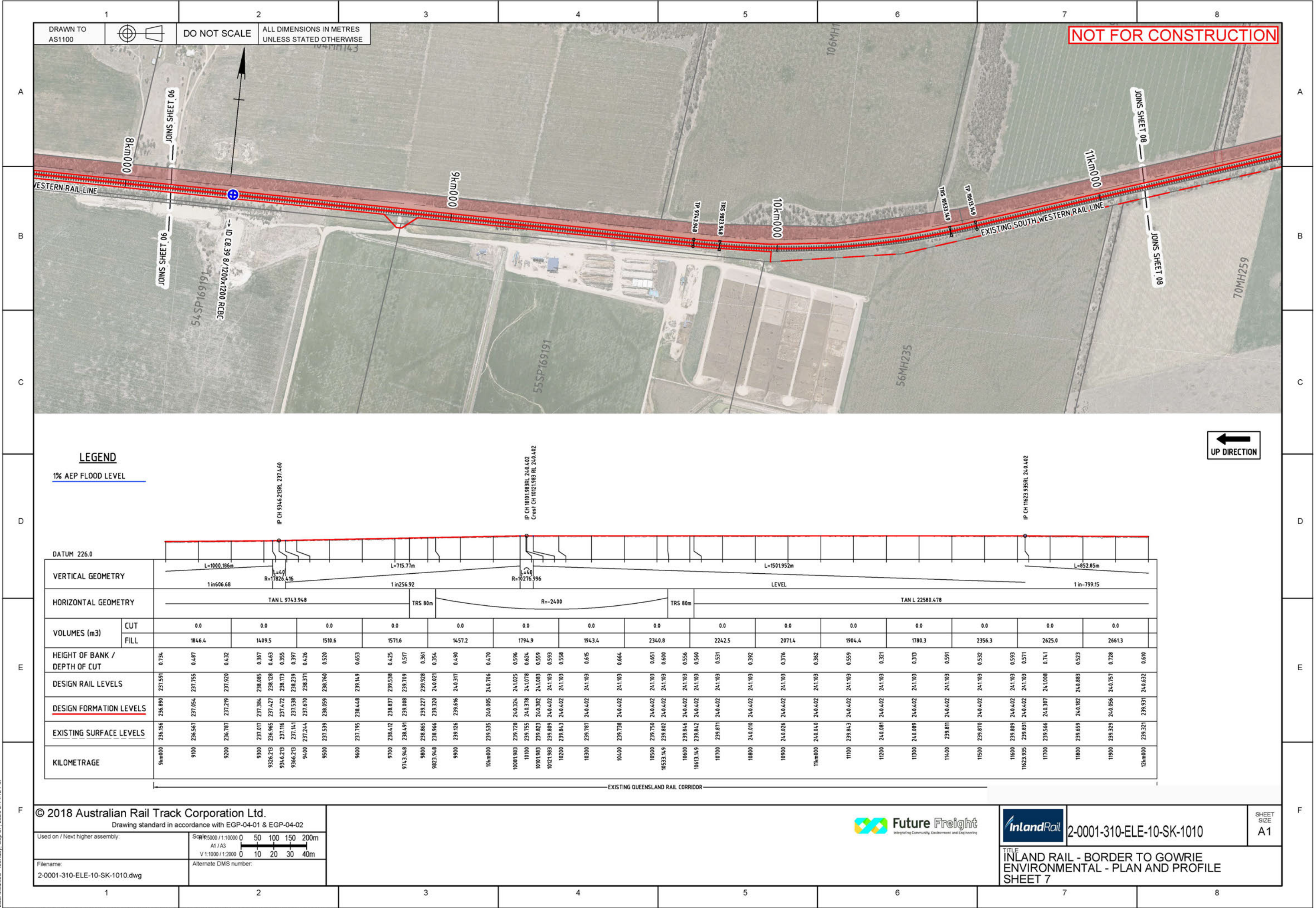
SHEET
SIZE
A1

TITLE
INLAND RAIL - BORDER TO GOWRIE
ENVIRONMENTAL - PLAN AND PROFILE
SHEET 4

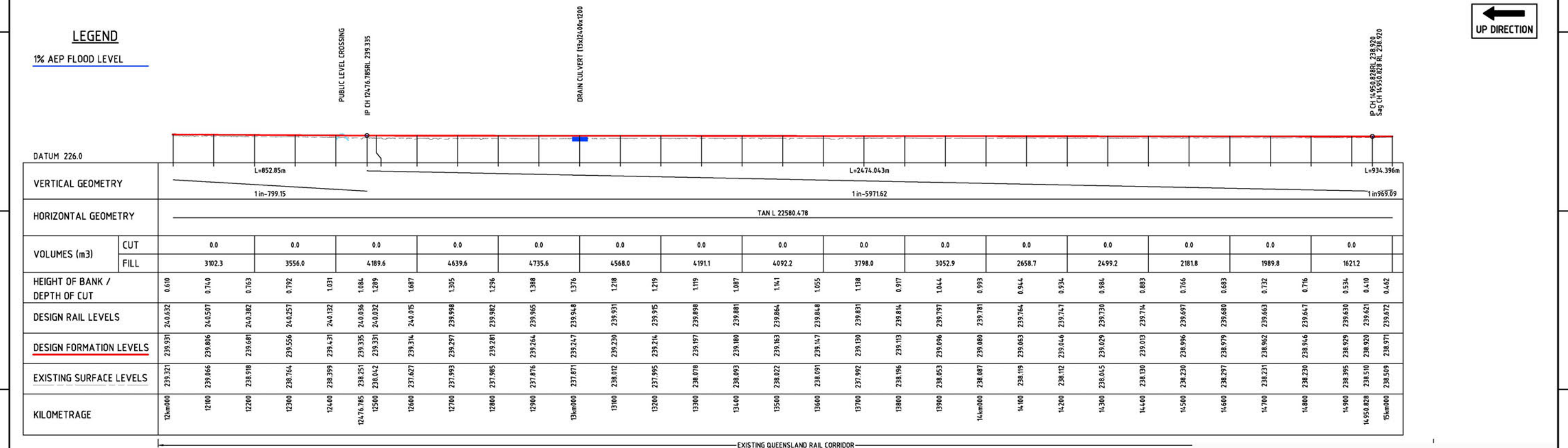
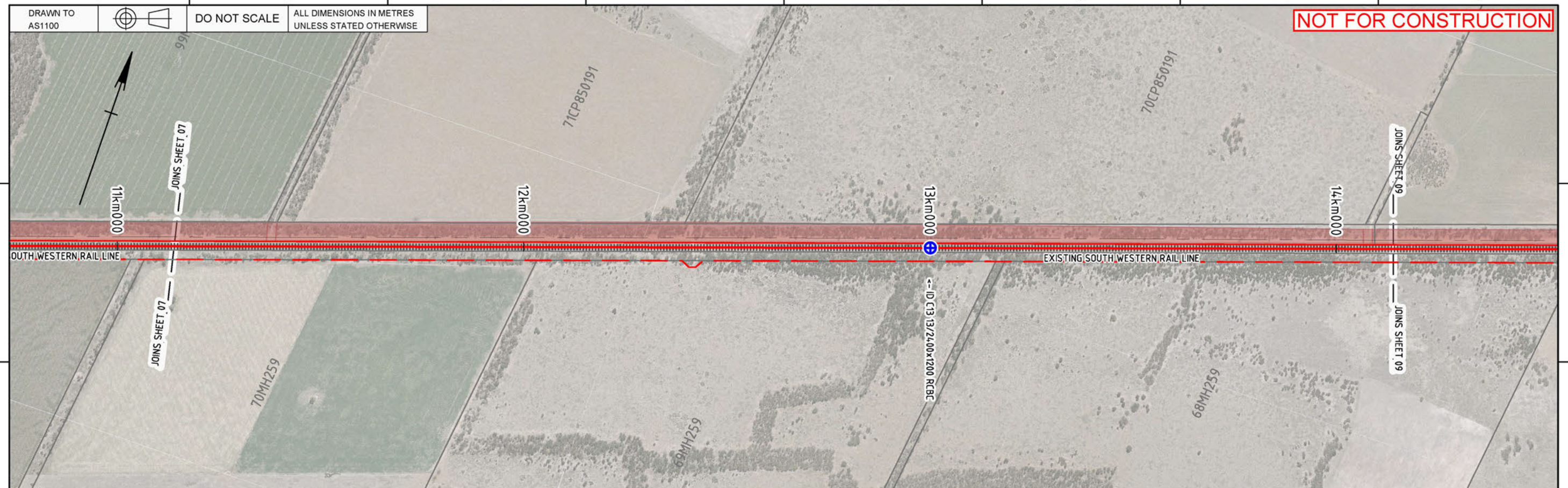


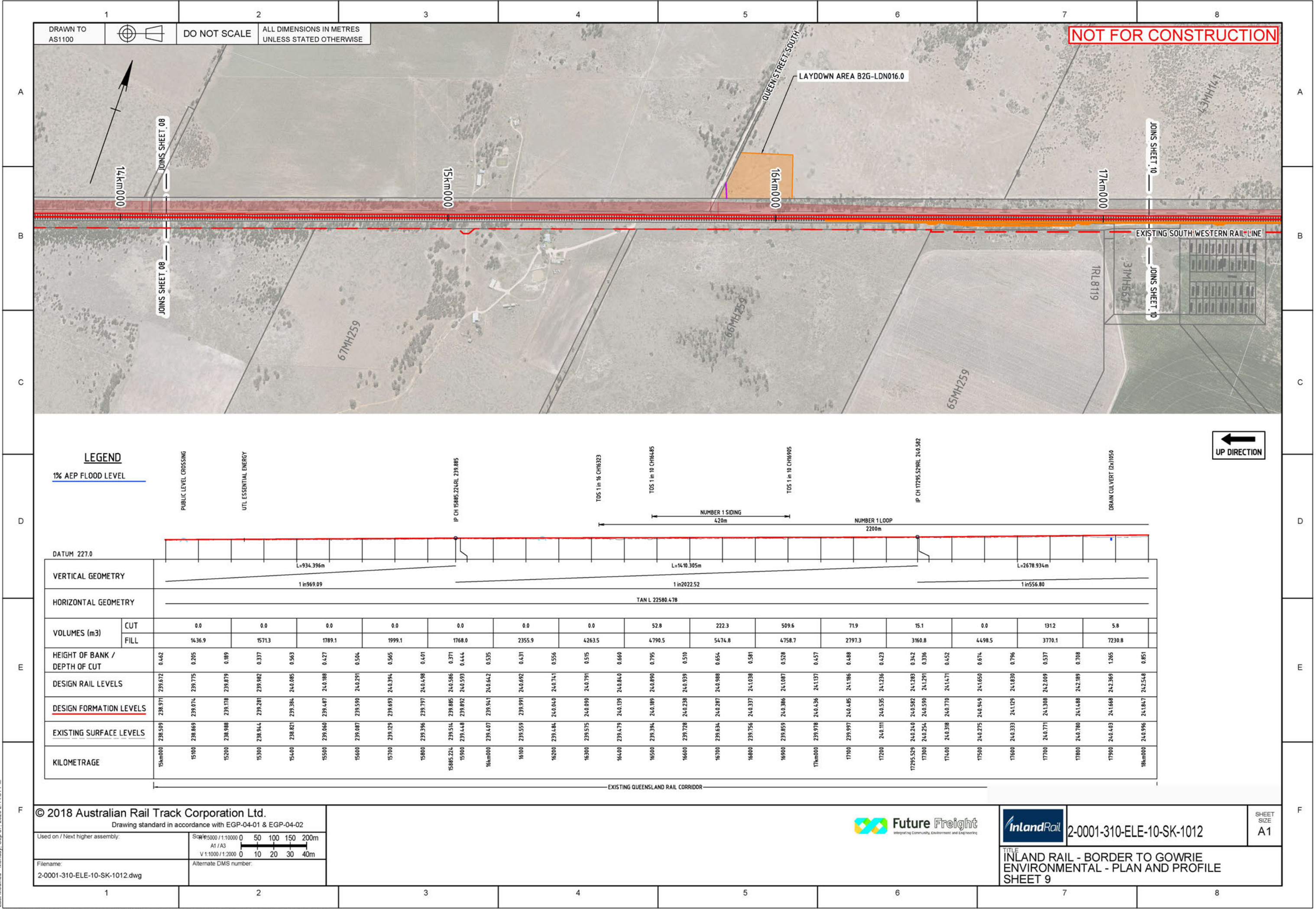
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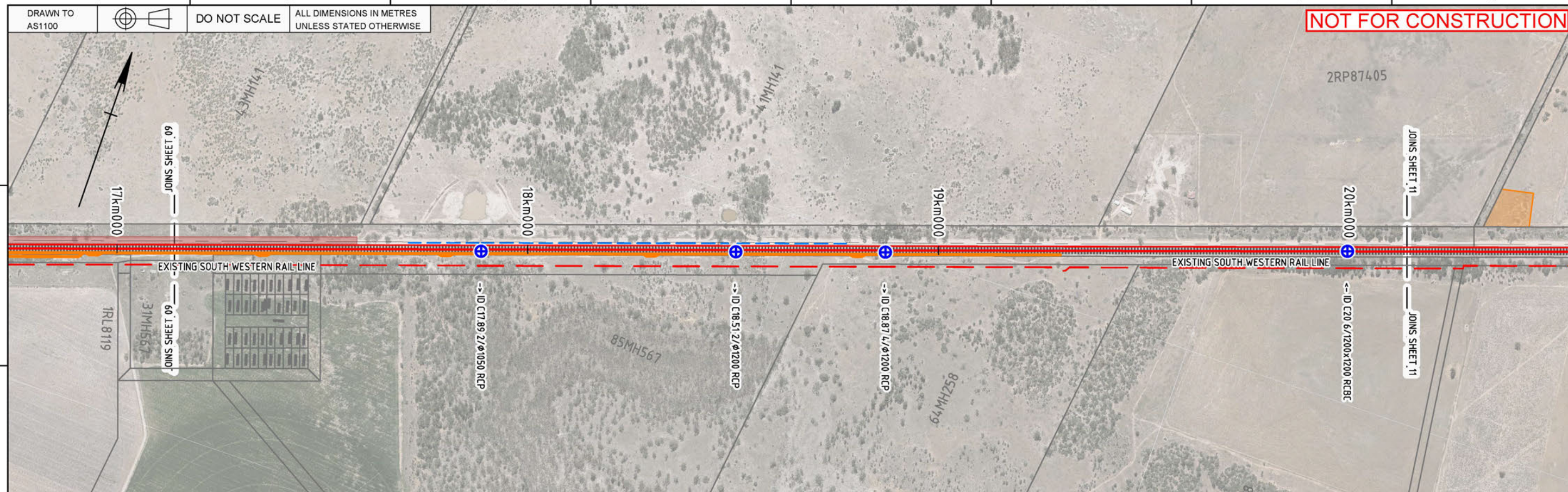




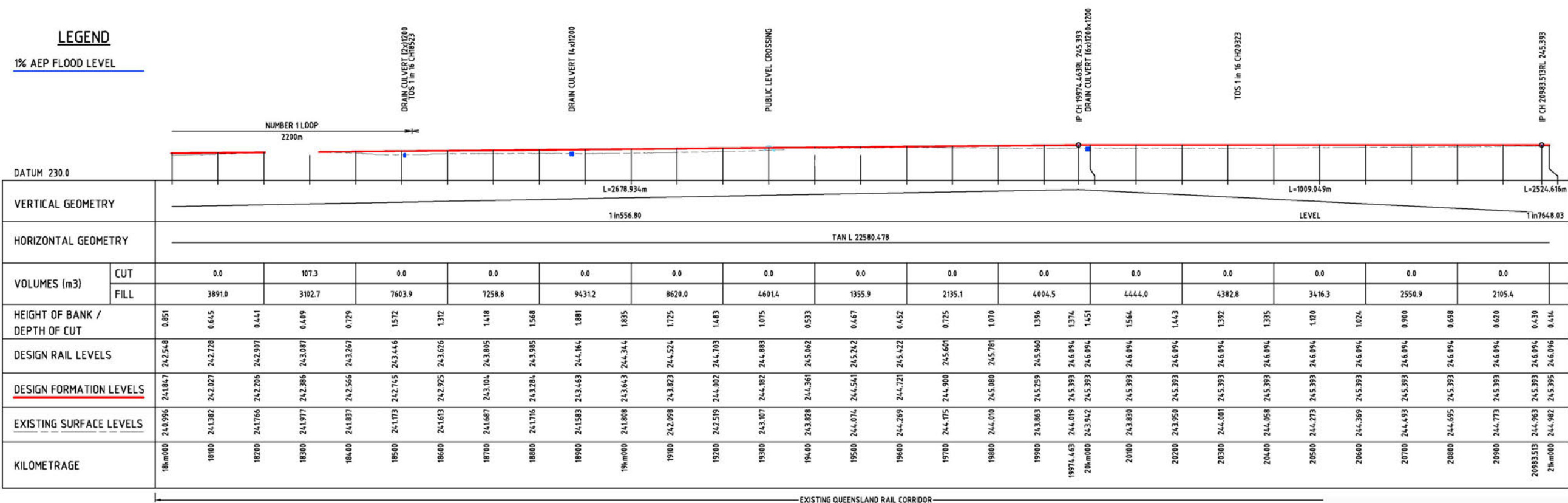
Last Modified - Monday, Sep 07, 2020 2:14:12 PM







1% AEP FLOOD LEVEL



←
UP DIRECTION

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Drawing standard in accordance with EGP-04-01 & EGP-04-02

Used on / Next higher assembly:

Scale 1:5000 / 1:10000 0 50 100 150 200m
A1 / A3

Filename:
2-0001-310-ELE-10-SK-1013.dwg

Alternate DMS number	
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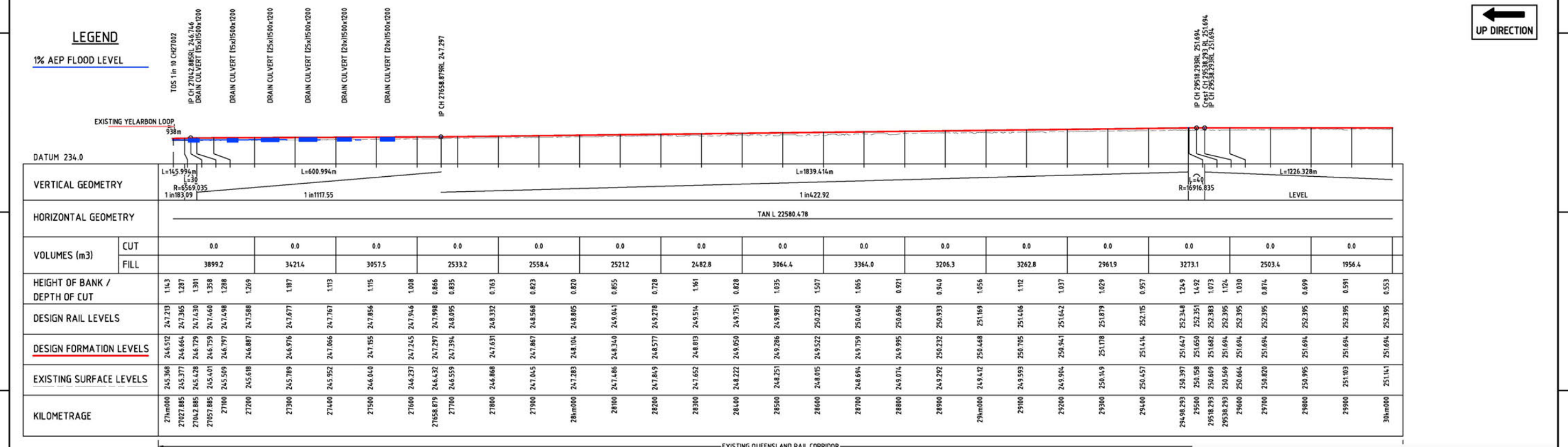
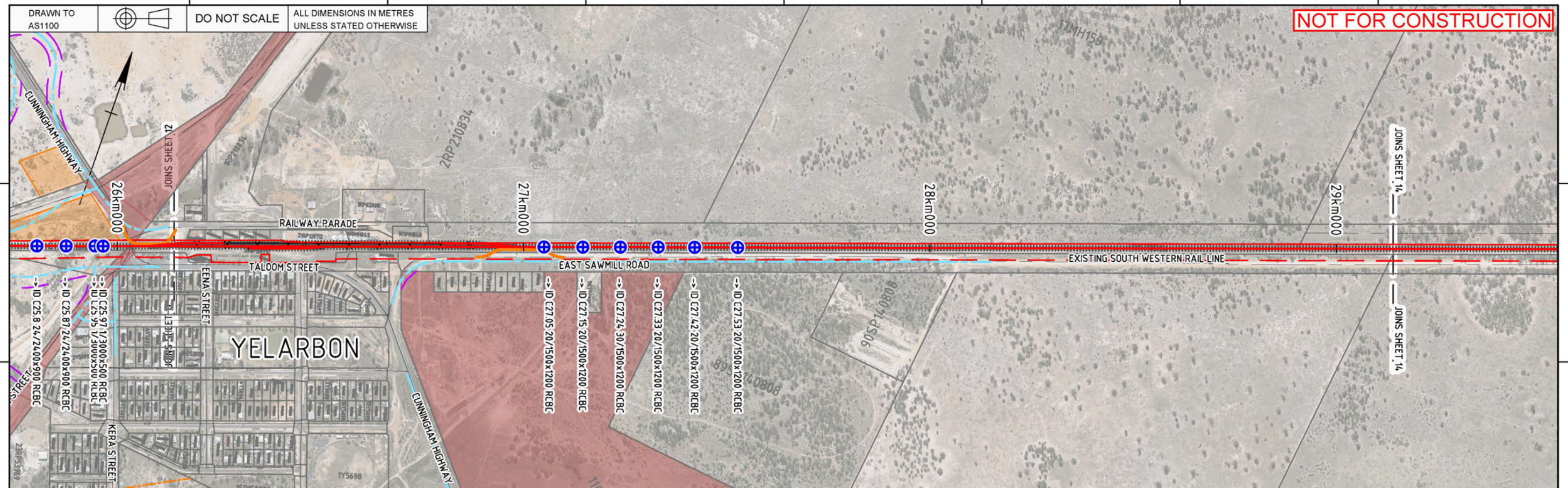
Future Freight
Integrating Community, Environment and Engineering

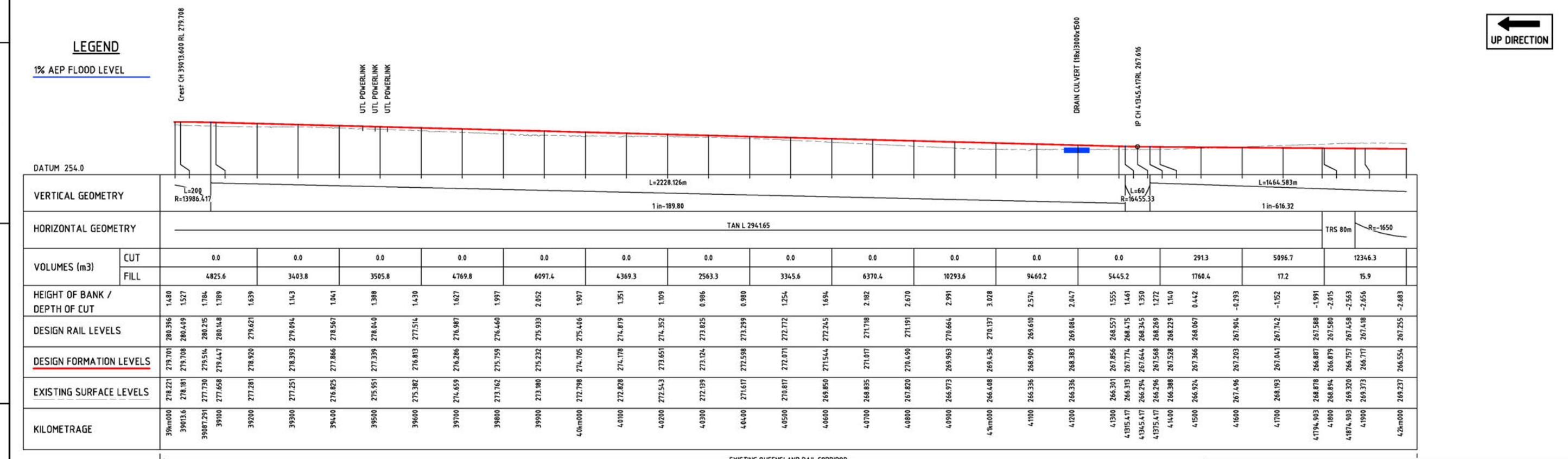


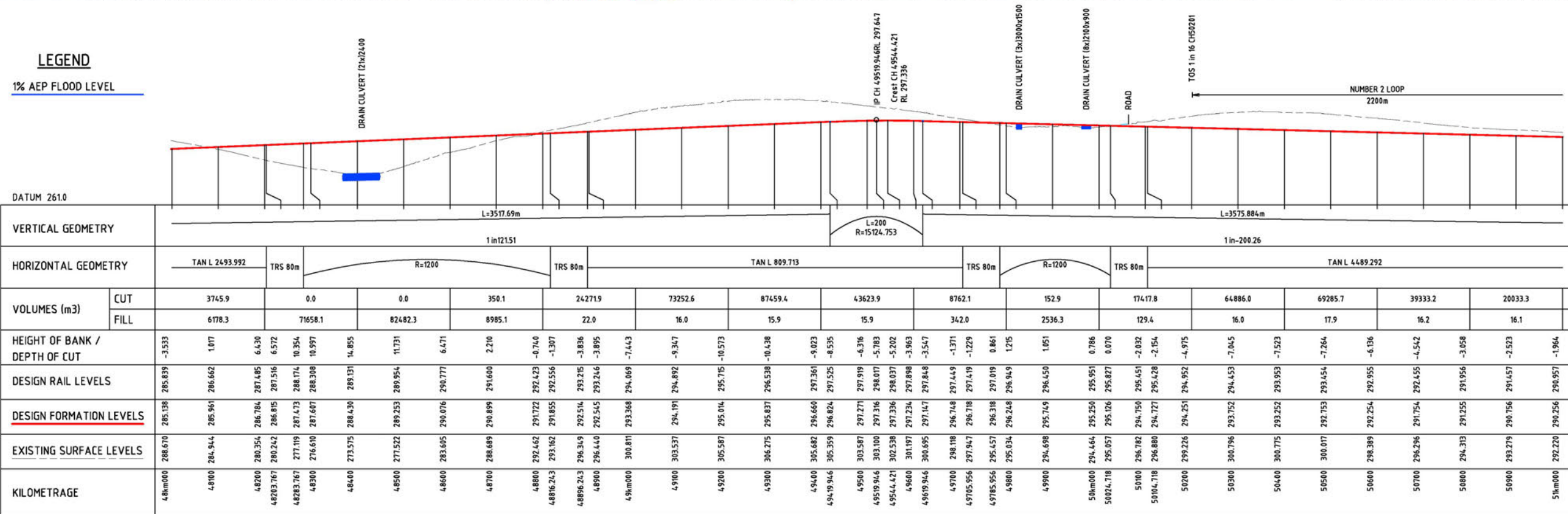
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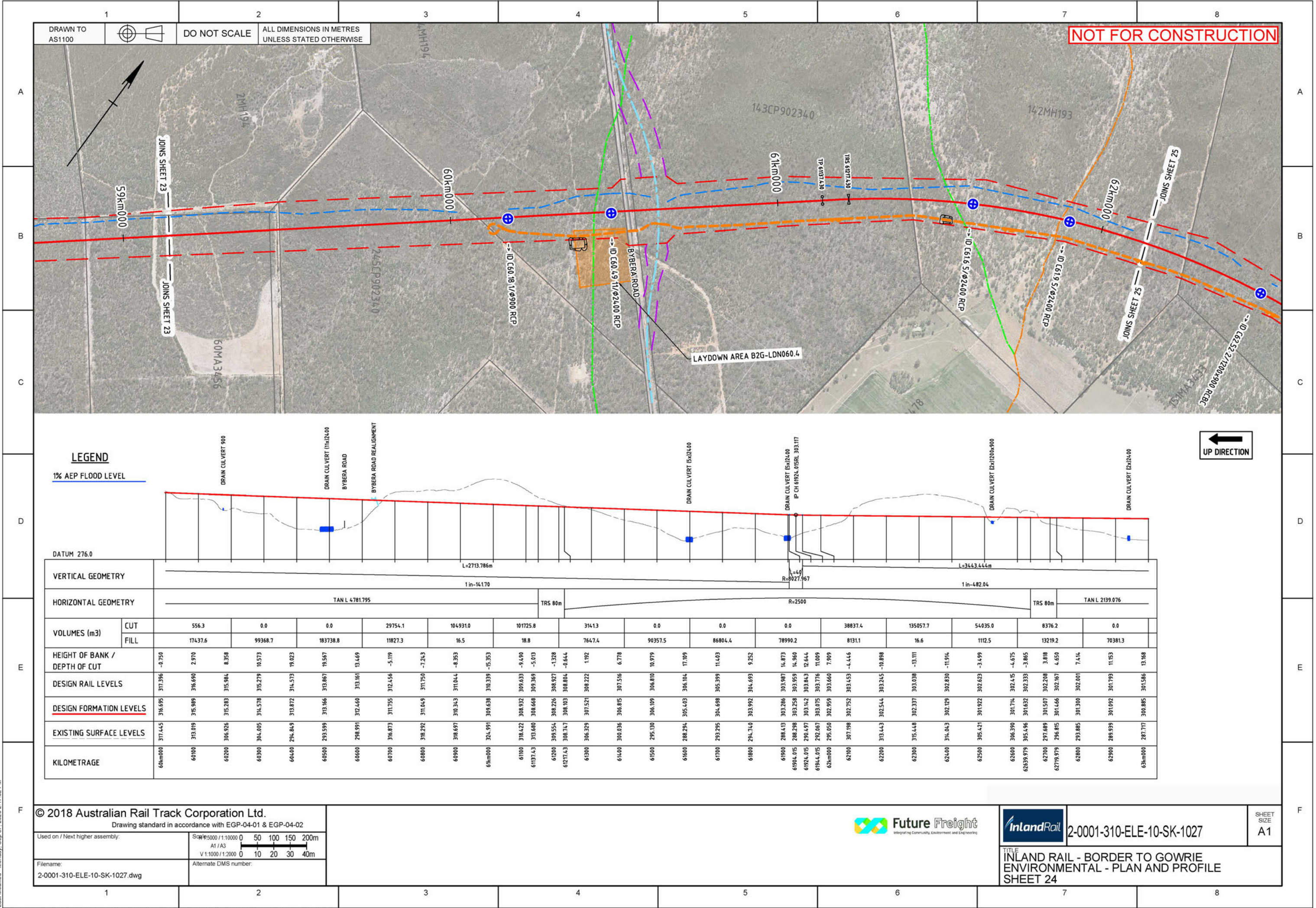
SHEET
SIZE
A1

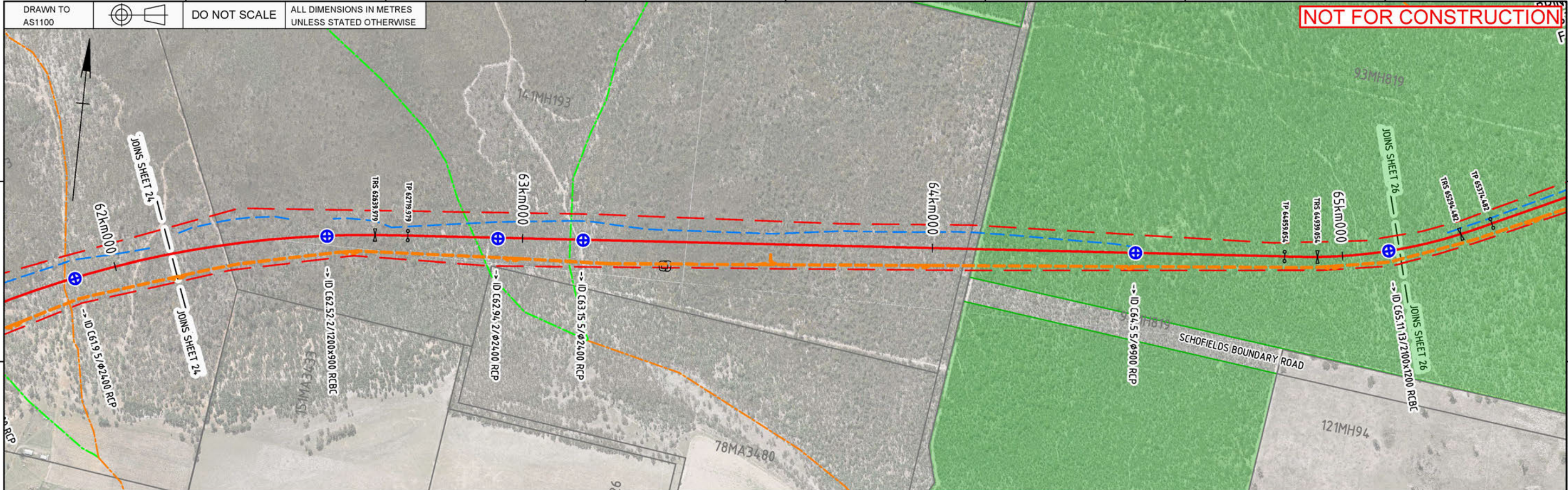
TITLE	INLAND RAIL - BORDER TO GOWRIE ENVIRONMENTAL - PLAN AND PROFILE SHEET 10
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LEGEND

1% AEP FLOOD LEVEL

DATUM 273.0

VERTICAL GEOMETRY

HORIZONTAL GEOMETRY

VOLUMES (m3)

CUT

FILL

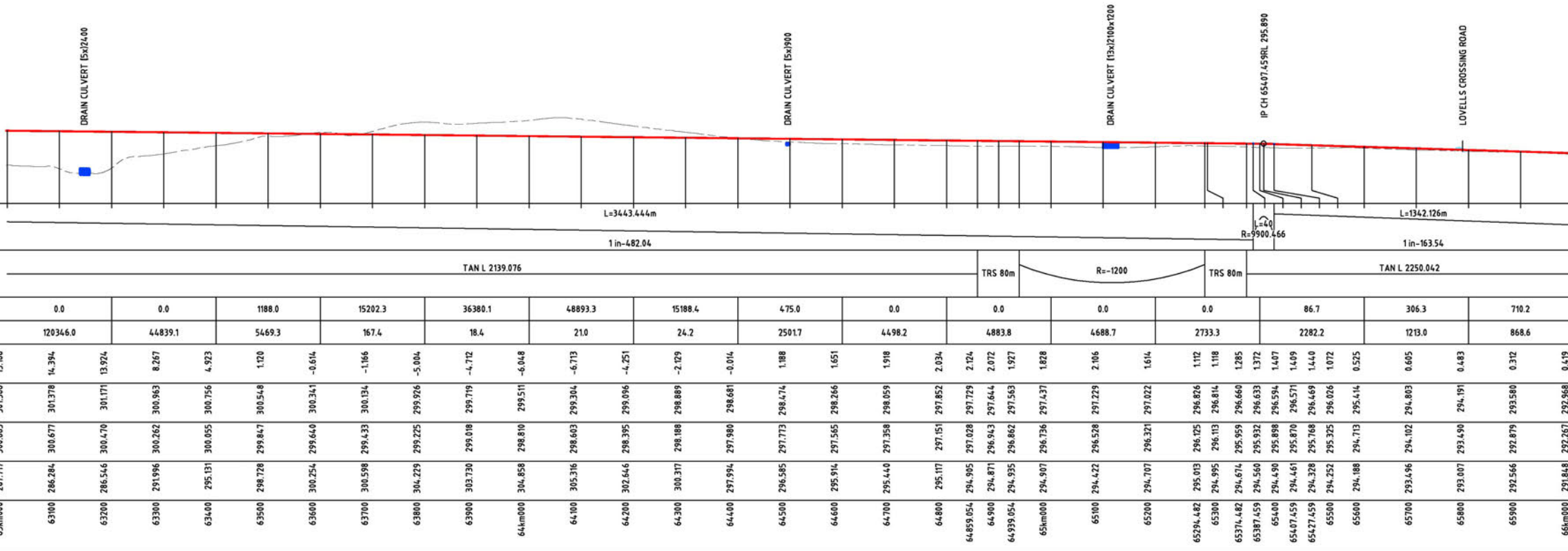
HEIGHT OF BANK / DEPTH OF CUT

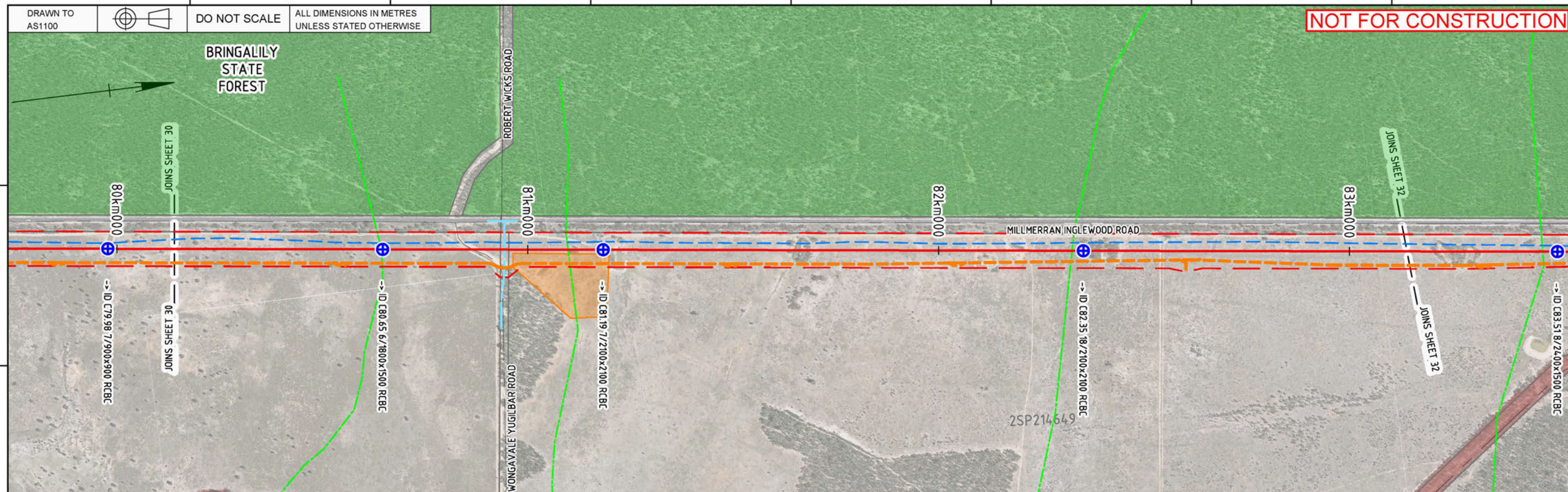
DESIGN RAIL LEVELS

DESIGN FORMATION LEVELS

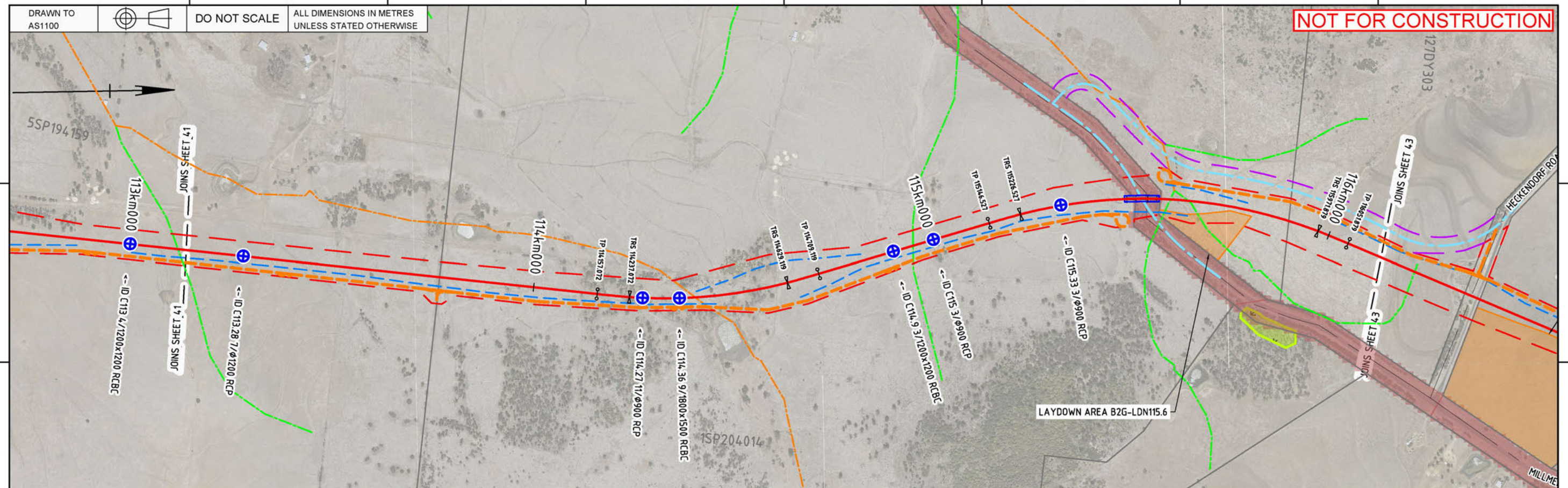
EXISTING SURFACE LEVELS

KILOMETRAGE

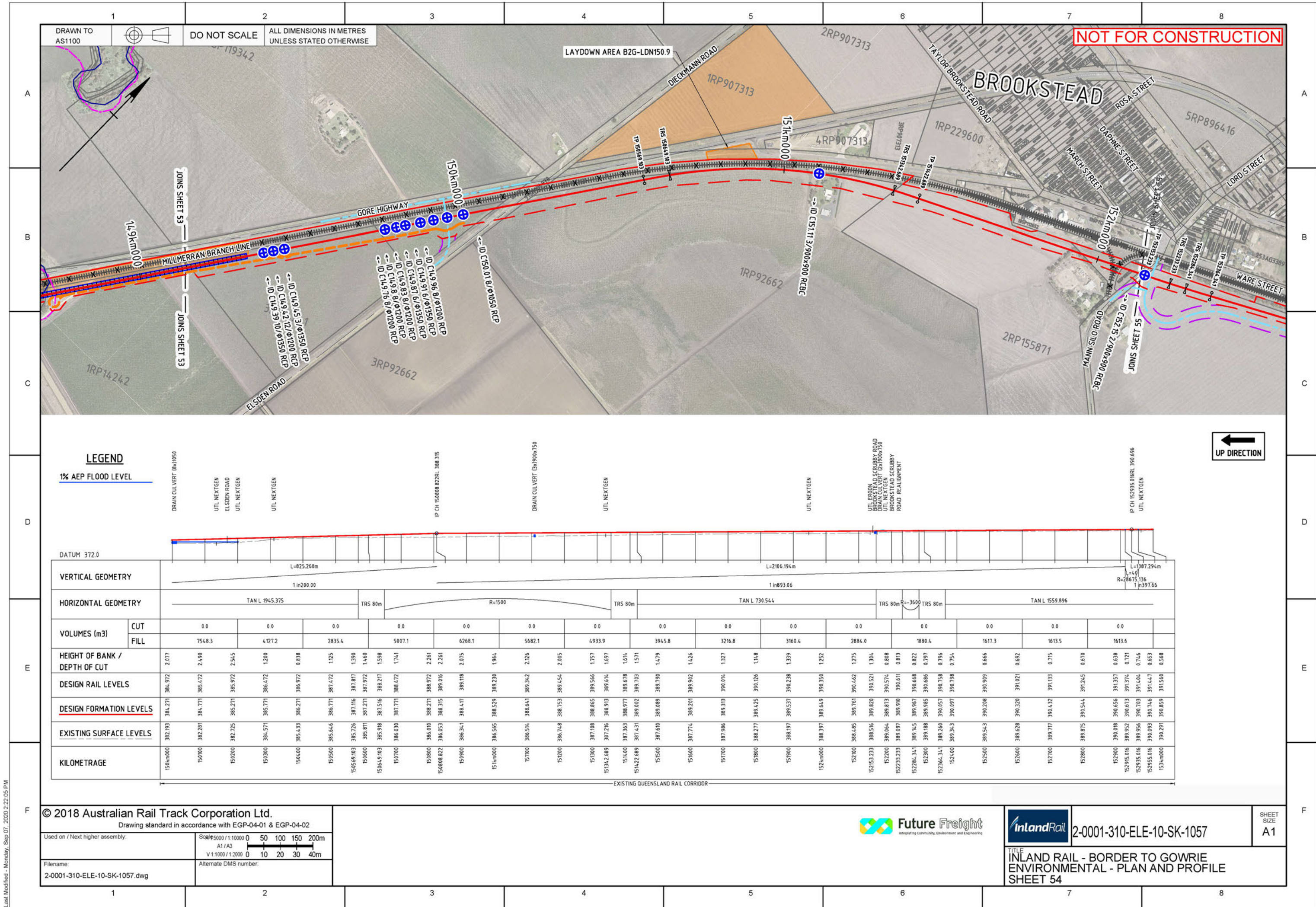


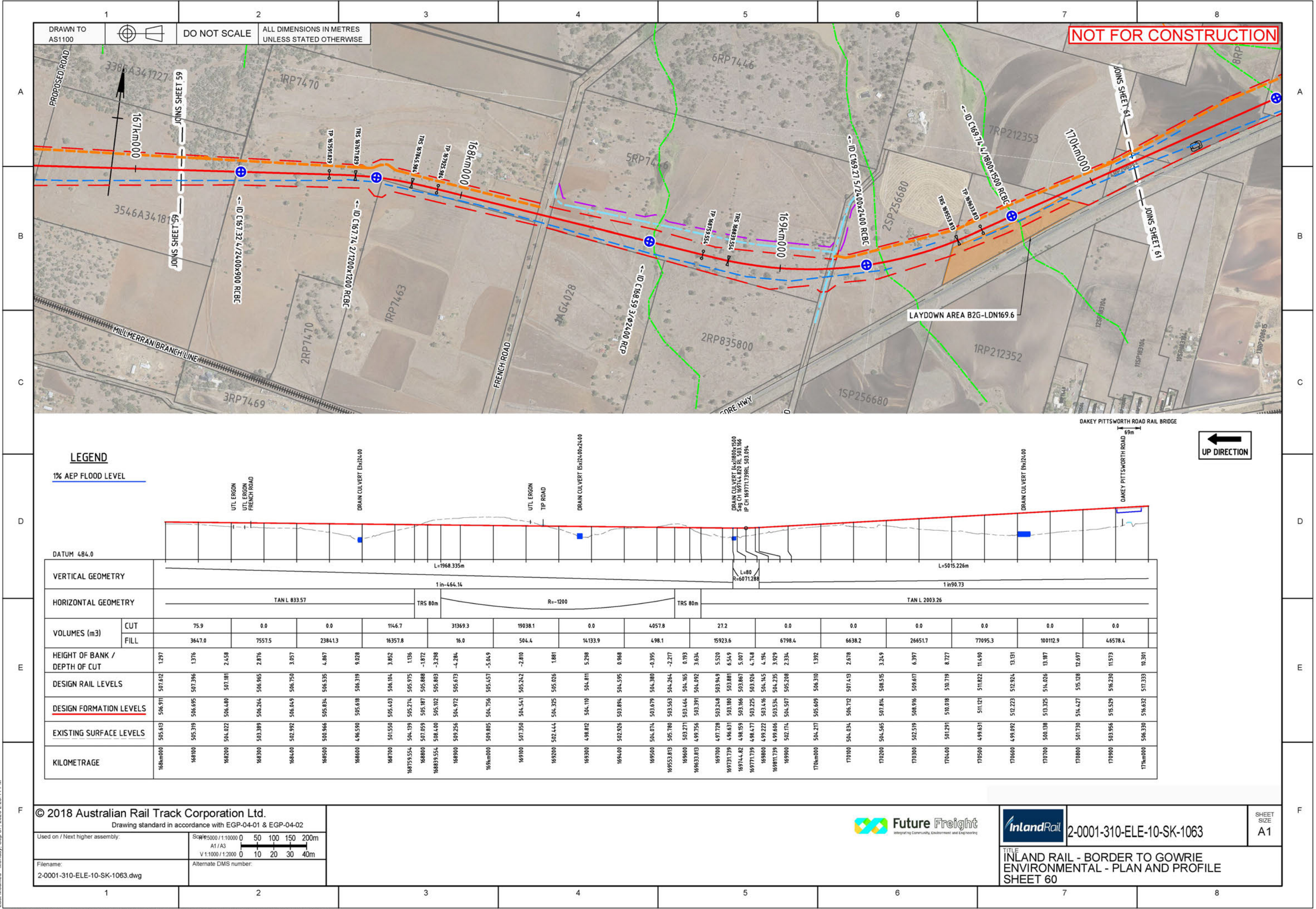


LEGEND																																		
1% AEP FLOOD LEVEL																																		
DRAIN CULVERT (7x12100x2100)																																		
DRAIN CULVERT (18x12100x2100)																																		
DRAIN CULVERT (18x12400x1500)																																		
UTL NEXT GEN																																		
VERTICAL GEOMETRY																																		
HORIZONTAL GEOMETRY																																		
VOLUMES (m3)	CUT	0.0	0.0	0.0	1903.3	3753.3	5.8	0.0	0.0	3316.2	5089.1	967.2	196.4	0.0	0.0	0.0																		
	FILL	1114.1	13055.0	3346.7	1177.7	282.5	3912.2	11375.1	7679.4	919.5	89.7	690.7	2024.1	4142.7	2762.6	2198.0																		
HEIGHT OF BANK / DEPTH OF CUT		1.491	3.863	4.841	4.119	2.737	1.054	1.210	0.403	-1.435	-0.415	0.706	1.435	3.184	3.701	4.019	2.709	1.465	-0.028	-1.578	-0.673	0.101	0.283	0.359	1.408	1.216	1.804	3.131	1.112	0.898	0.834	0.822	0.882	1.757
DESIGN RAIL LEVELS		314.903	315.139	315.375	315.610	315.846	316.082	316.318	316.553	316.789	317.025	317.261	317.496	317.732	317.968	318.203	318.439	318.675	318.911	319.146	319.382	319.618	319.854	320.089	320.325	320.561	320.797	321.032	321.268	321.504	321.740	321.975		
DESIGN FORMATION LEVELS		314.202	314.438	314.674	314.909	315.145	315.381	315.617	315.852	316.088	316.324	316.560	316.795	317.031	317.267	317.502	317.738	317.974	318.210	318.445	318.681	318.917	319.153	319.388	319.624	319.860	320.096	320.331	320.567	320.803	321.039	321.274	321.510	
EXISTING SURFACE LEVELS		312.711	310.574	309.832	310.791	312.408	314.327	314.407	315.449	317.523	316.739	315.854	315.361	313.847	313.566	313.484	315.029	316.509	318.237	320.023	319.354	318.816	318.870	319.029	319.216	318.644	318.291	317.201	319.455	319.858	319.969	320.123	320.156	319.517
KILOMETRAGE		81km000	81100	81200	81300	81400	81500	81600	81700	81800	81900	82km000	82100	82200	82300	82400	82500	82600	82700	82800	82900	83km000	83100	83200	83300	83400	83500	83600	83700	83780.324	83800	83860.324	83900	84km000



LEGEND 1% AEP FLOOD LEVEL		</																											
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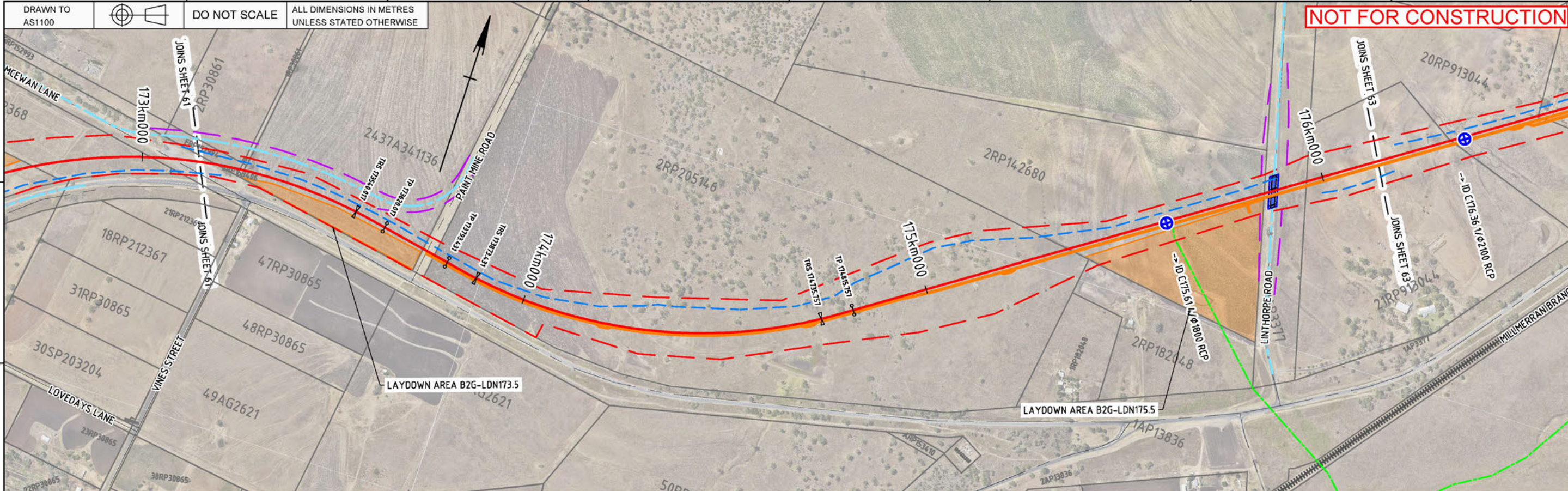


DRAWN TO
AS1100

DO NOT SCALE

ALL DIMENSIONS IN METRES
UNLESS STATED OTHERWISE

NOT FOR CONSTRUCTION



LEGEND

1% AEP FLOOD LEVEL

UP DIRECTION

DATUM 537.0

VERTICAL GEOMETRY

HORIZONTAL GEOMETRY

VOLUMES (m3)	CUT	13745.0	89933.6	98829.4	60565.3	241270.2	390996.9	135065.4	5250.5	73.1	25137.6	46179.3	3387.6	0.0	0.0	583.6
	FILL	1602.9	16.0	17.7	16.7	17.5	15.9	17.7	9766.4	17992.2	404.6	17.4	8349.5	15124.4	35650.3	17683.2
HEIGHT OF BANK / DEPTH OF CUT	2.114	-1.124	-4.102	-9.060	-8.559	-9.148	-8.250	-4.333	-4.428	-8.729	-9.714	-10.774	-12.534	-12.858	-16.062	-22.095
DESIGN RAIL LEVELS	550.399	551.502	552.604	553.706	554.808	555.911	557.013	558.115	559.217	560.319	561.421	562.523	563.625	564.727	565.829	566.931
<u>DESIGN FORMATION LEVELS</u>	549.698	550.801	551.903	553.005	554.107	555.210	556.312	557.414	558.516	559.618	560.720	561.822	562.924	564.026	565.128	566.230
EXISTING SURFACE LEVELS	547.584	551.025	556.005	562.065	562.667	564.358	564.561	567.246	568.404	569.562	570.720	571.878	573.036	574.194	575.352	576.510
KILOMETRAGE	174+000	174+100	174+200	174+300	174+400	174+500	174+600	174+700	174+800	174+900	175+000	175+100	175+200	175+300	175+400	175+500

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Used on / Next higher assembly:

Scale: 1:10000
A1 / A3
V 1:1000 / 1:2000
Alternate DMS number:

Filename:
2-0001-310-ELE-10-SK-1065.dwg

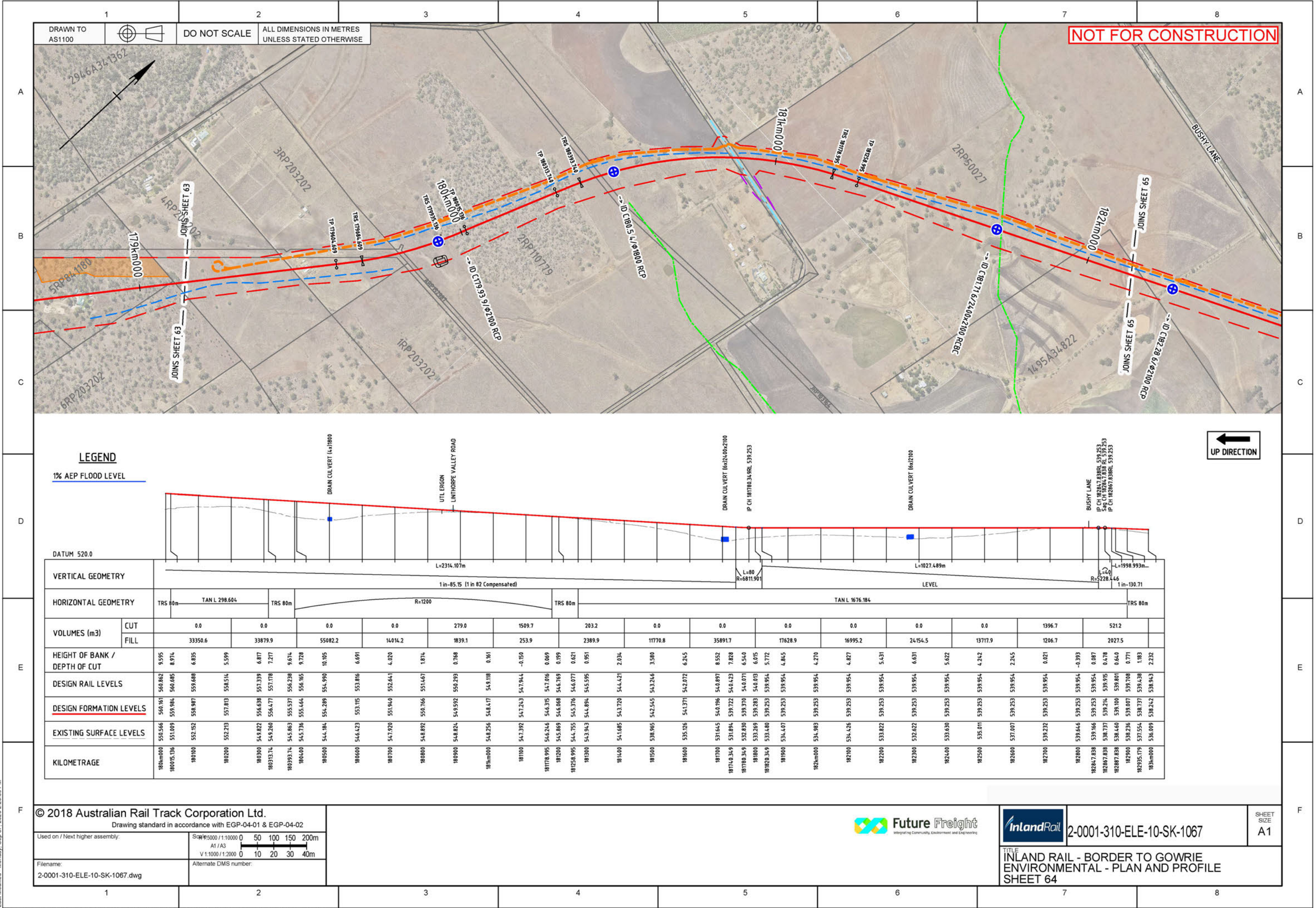
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Integrating Community, Environment and Engineering

Inland Rail

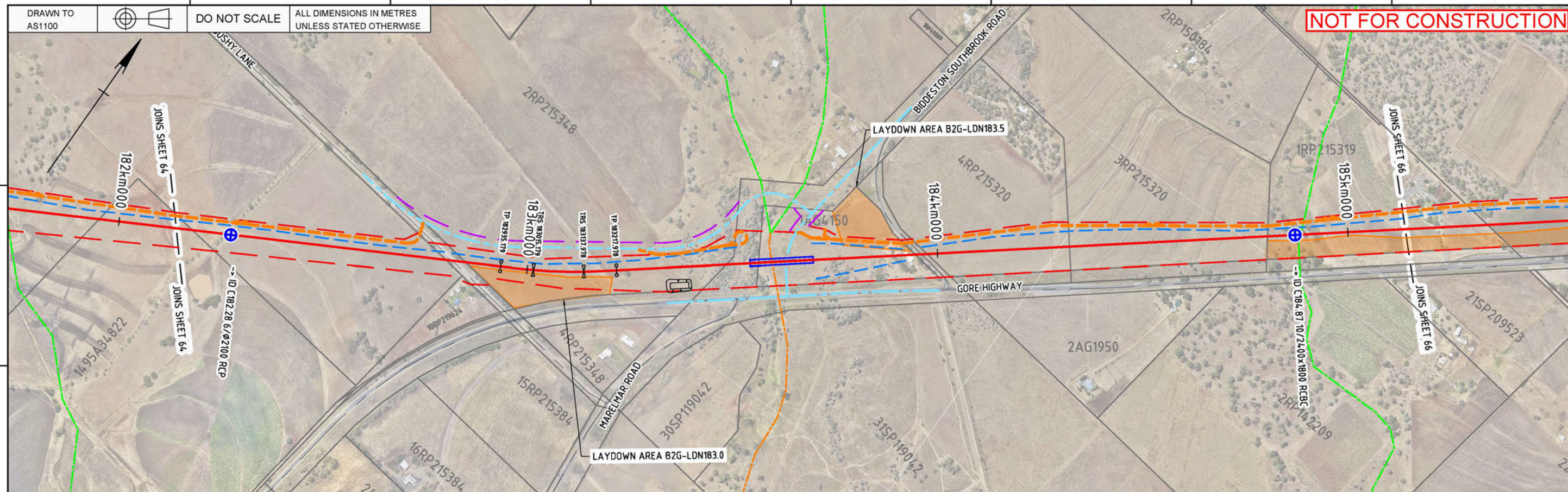
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SHEET
SIZE
A1

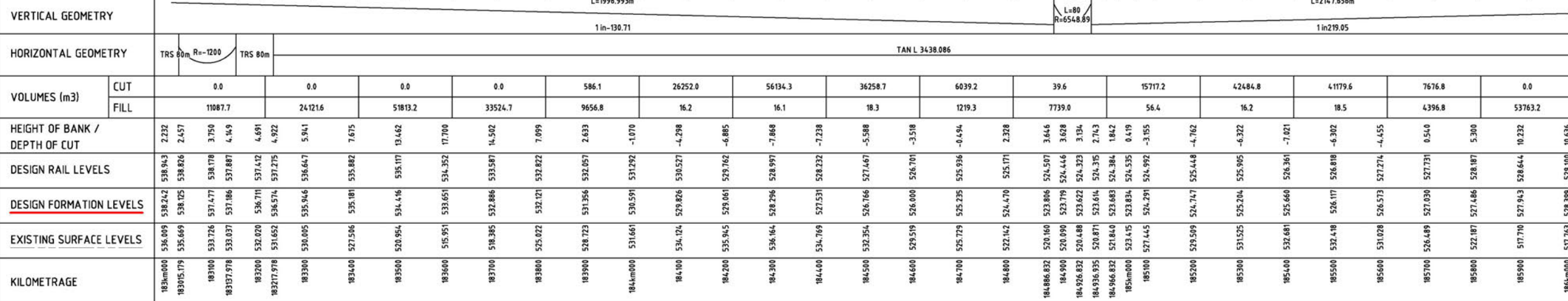
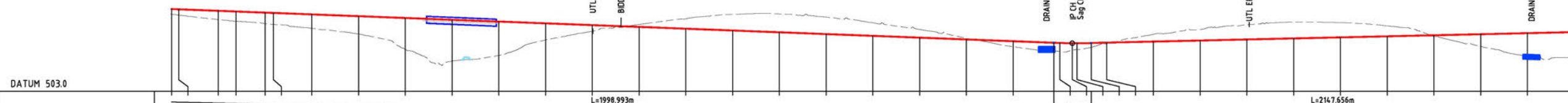
TITLE
INLAND RAIL - BORDER TO GOWRIE
ENVIRONMENTAL - PLAN AND PROFILE
SHEET 62



Last Modified - Monday, Sep 07, 2020 2:23:56 PM



1% AEP FLOOD LEVEL



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Used on / Next higher assembly:

Scale: 5000 / 1:10000 0 50 100 150 200m
A1 / A3

Filename:
2-0001-310-ELE-10-SK-1068.dwg

Alternate DMS number	
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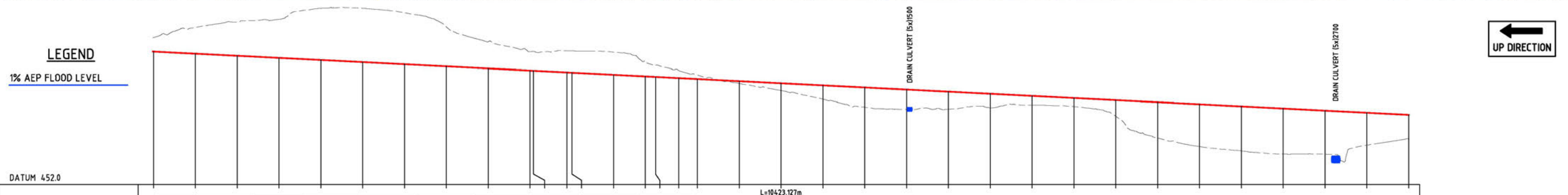
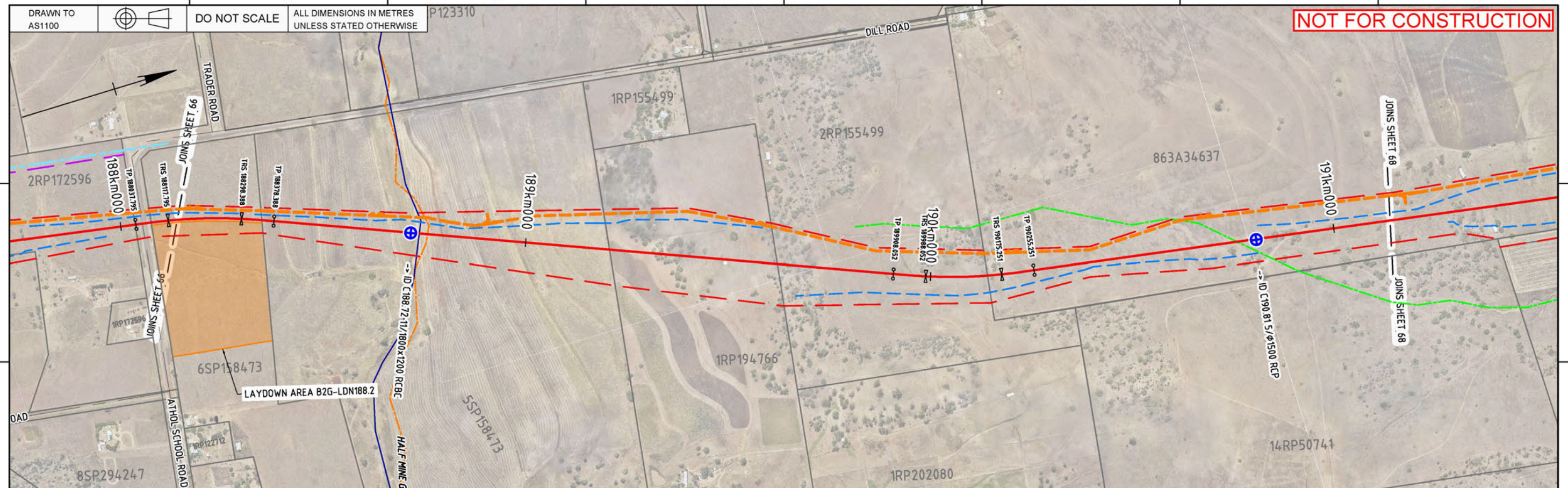
Future Freight
Integrating Community, Environment and Engineering



2-0001-310-ELE-10-SK-1068

SHEET
SIZE
A1

TITLE	INLAND RAIL - BORDER TO GOWRIE ENVIRONMENTAL - PLAN AND PROFILE SHEET 65
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