



Shire of Goomalling

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All communications to be addressed to the Chief Executive Officer

Est. 1895

In reply please quote:

Our Ref : PB23109

24th November 2023

Mr Aaron Lohmann

**** Via Email: Aaron.Lohman@cbh.com.au

GOOMALLING WA 6460

Dear Aaron,

Thank-you for your letter regarding the proposal for additions to existing grain handling facilities at the Konnongorring receival site.

I advise that the Council has discussed this matter at its November 2023 Ordinary Meeting and that the following motion was passed;

RESOLUTION: 719

Moved Cr Barratt, seconded Cr Haywood that Council:

Grants development approval to CBH Group for a new rail siding on various land parcels at Konnongorring (outlined in Attachment 11.1.1), subject to the following conditions:

1. This approval shall expire if the development hereby approved has not been substantially commenced within a period of three years from the date hereof, or within any extension of that time (requested in writing prior to the approval expiring) that may be granted by the local government. Where the Development Approval has lapsed no further development is to be carried out.
2. The development hereby approved must be carried out in accordance with the plans and reports submitted with the application, addressing all conditions, or otherwise amended by the local government and shown on the approved plans and these shall not be altered and/or modified without the prior knowledge and written consent of the local government.
3. The Drainage Design Report to be implemented and maintained to the satisfaction of the local government.
4. The applicant/operator to implement dust control measures to the satisfaction of the local government on an on-going basis.
5. Any lighting devices are to be positioned and shielded so as not to cause any direct, reflected or incidental light to encroach beyond the property boundaries, in accordance with Australian Standard AS4282/1997.

6. Within 6 months of the proposed upgrade being completed, the applicant/operator to commission a short term noise monitoring survey to confirm operational noise levels at nearby receivers and to undertake mitigations measures as required to the satisfaction of the local government. Following this, to commission a short term noise monitoring survey if there are any sustained noise complaints received and to undertake mitigations measures (as required) to reduce impacts on nearby receivers to the satisfaction of the local government.

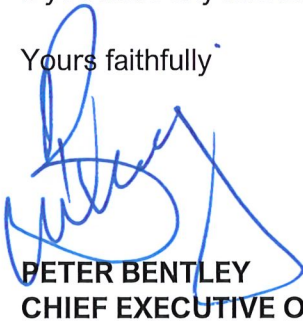
Advice

- A) The applicant/operator is encouraged to review noise levels through construction.
- B) If the applicant is aggrieved by this determination there is a right of review by the State Administrative Tribunal in accordance with the Planning and Development Act 2005 Part 14. An application must be made within 28 days of the determination.
- C) The Council has agreed to the Public Works Exemption portion of this Application.

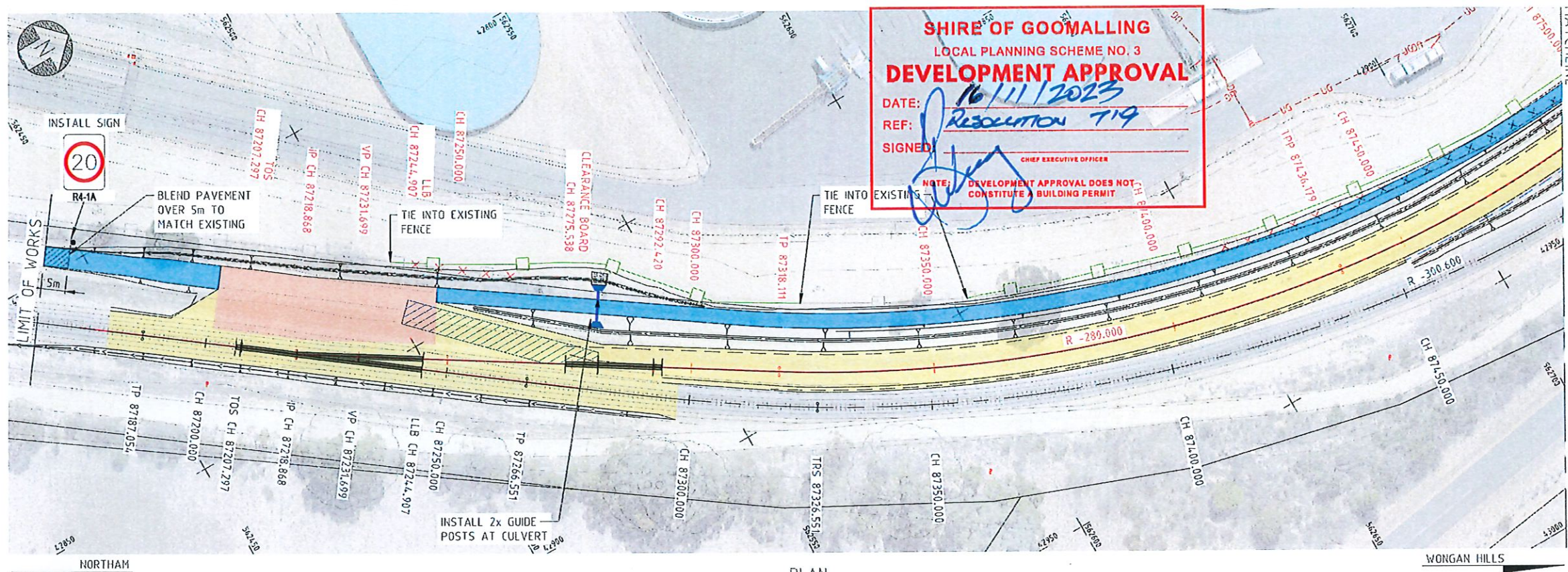
CARRIED: 7/0

If you have any further queries Aaron, please don't hesitate to contact us again.

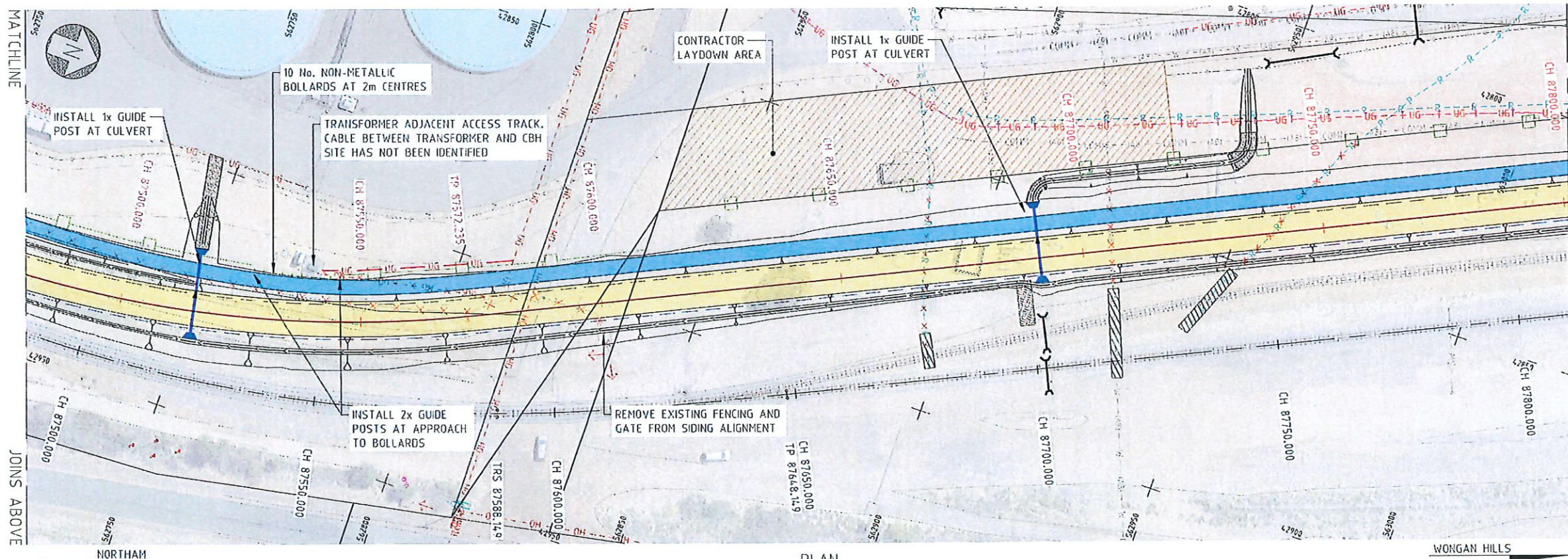
Yours faithfully



PETER BENTLEY
CHIEF EXECUTIVE OFFICER



PLAN
SCALE 1:500



PLAN
SCALE 1:500

LEGEND

—	CADASTRAL BOUNDARY
CH 87201.248	EXISTING MAINLINE CHAINAGES
CH 87350.000	NEW SIDING CHAINAGES
	RAIL TO BE REMOVED
—W—W—	PROPOSED WATER
—UG—UG—	PROPOSED UNDERGROUND POWER
---	ELECTRICAL COMMS NOT USED
---OH---	ELECTRICAL CABLE OVERHEAD
---UG---	ELECTRICAL CABLE UNDERGROUND
---	ELECT CABLE UNDERGROUND NOT USED
---	STORMWATER NOT USED
---	TELSTRA
---	WATER RETIC UNDERGROUND
---	WATER RETIC NOT USED
—●—	PROPOSED CULVERT, HEADWALLS & CATCHPIT
—●—	EXISTING CULVERT
—>—>—	PROPOSED DRAINAGE CHANNEL
—>—>—	CONDUIT/PIPE TO BE SLURRY FILLED
—>—>—	EXISTING DRAINAGE CHANNEL
---	DRAINAGE BUND
■	MAINTENANCE/CONSTRUCTION PAD
■	BALLAST TRACK
■	CBH ACCESS ROAD
■	SLAB TRACK
■	ASPHALT TRACK
■	MAINTENANCE ACCESS TRACK
■	BALLAST ARRESTOR BED
■	CBH ACCESS ROAD PAVEMENT BLEND
---	EXISTING FENCE
XXX	EXISTING FENCE TO BE REMOVED
---	PROP 1200mm HIGH STOCK FENCE
---	POSITION OF SAFETY LINE

DRAWING NOTES

- ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
- REFER TO DRG No. 358-ENG-RL-DGA-0001 FOR GENERAL NOTES.
- FOR TRACK STRUCTURE COMPONENTS ALONG SIDING REFER TO THE FOLLOWING:
CONCRETE SLEEPER ARRANGEMENT:
50kg RAIL - 154mm
60kg RAIL - 170mm
RAIL PAD - 8mm
LPCS/FDCS - 140mm/215mm

SURVEY

COORDINATE REFERENCE SYSTEM	MGAS4 ZONE 50
HEIGHT DATUM	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES

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BGE Project No. PE22014

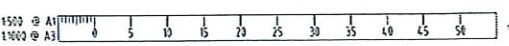
REF. DRAWING No.

REFERENCE DRAWING TITLE

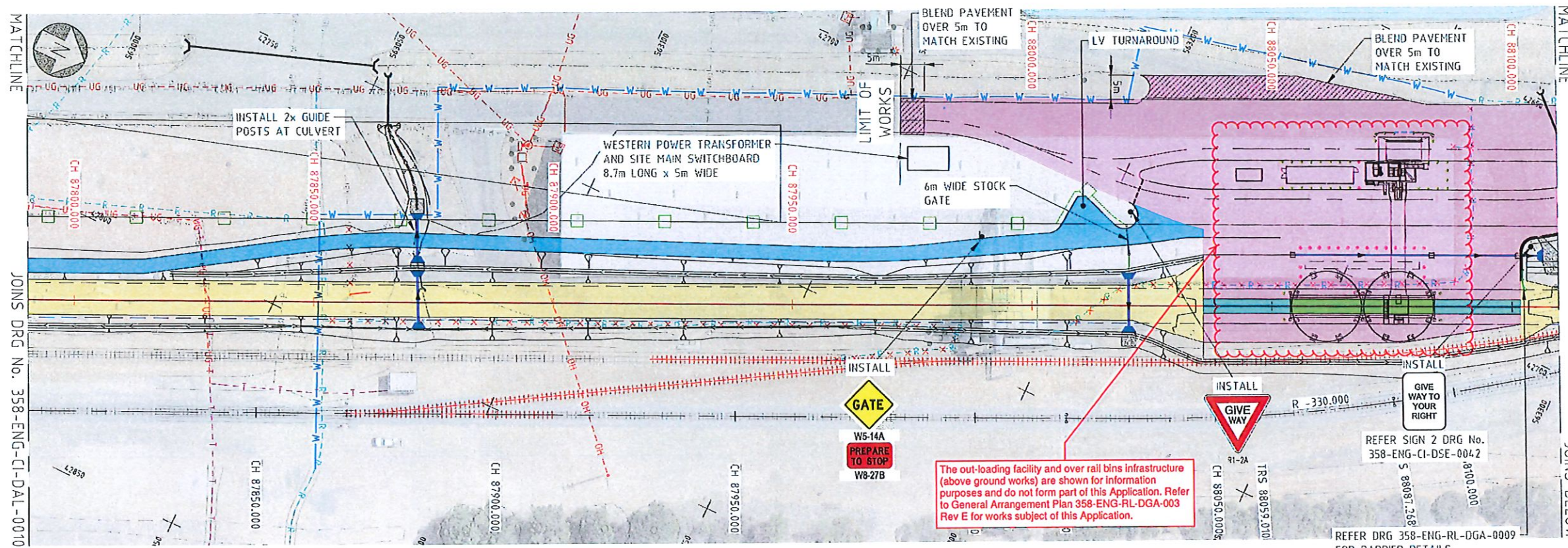
REV	DATE	REVISION DESCRIPTION
E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW
D	28.09.23	ISSUED FOR 100% CLIENT REVIEW
C	23.09.23	ISSUED FOR 85% CLIENT REVIEW
B	01.05.23	ISSUED FOR 40% CLIENT REVIEW
A	16.12.22	ISSUED FOR 30% CLIENT REVIEW

AS	TR	MB	SCALE 1500
AS	TR	MB	SHEET A1
AS	TR	MB	PROJECT KONNONGORRING
AS	TR	MB	CONTRACT No. CW9951

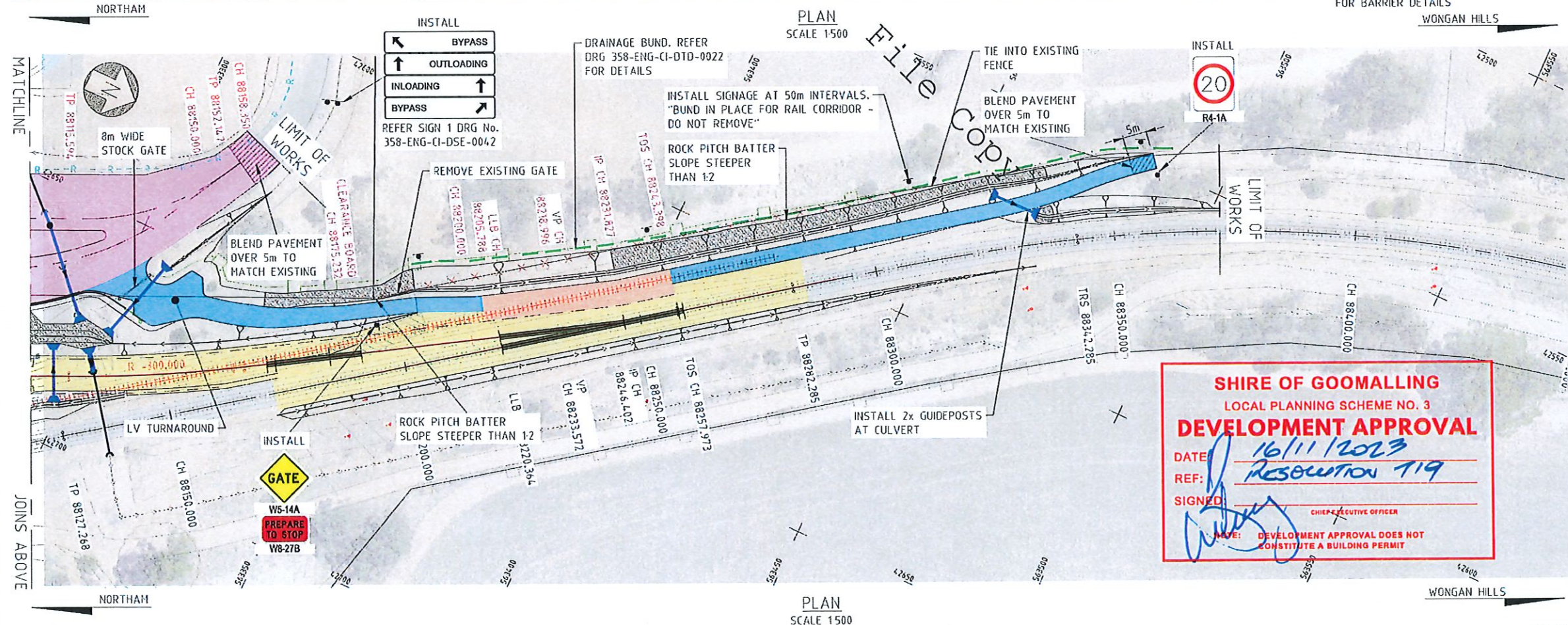
DESIGNED	AS	27.10.23
CHECKED	TR	27.10.23
DESIGNED	SCB	27.10.23
DESIGN APPR	TR	27.10.23
PROJECT APPR	MB	27.10.23



TITLE	KONNONGORRING FIXED RAIL LOADING FACILITY CIVIL EARTHWORK AND DRAINAGE CIVIL LAYOUT PLAN SHEET 1 OF 2
DRG No.	358-ENG-CI-DAL-0010
SHEET	1 OF 2
REV.	E



LEGEND	
—	CADASTRAL BOUNDARY
CH 87201.248	EXISTING MAINLINE CHAINAGES
CH 87350.000	NEW SIDING CHAINAGES
	RAIL TO BE REMOVED
—W—W—	PROPOSED WATER
—UG—UG—	PROPOSED UNDERGROUND POWER
—C—C—	ELECTRICAL COMMS NOT USED
—OH—OH—	ELECTRICAL CABLE OVERHEAD
—UG—UG—	ELECTRICAL CABLE UNDERGROUND
—E—E—	ELECT CABLE UNDERGROUND NOT USED
—SW—SW—	STORMWATER NOT USED
—T—T—	TELSTRA
—R—R—	WATER RETIC UNDERGROUND
—W—W—	WATER RETIC NOT USED
—	PROPOSED CULVERT, HEADWALLS & CATCHPIT
—	EXISTING CULVERT
—	PROPOSED DRAINAGE CHANNEL
—	CONDUIT/PIPE TO BE SLURRY FILLED
—	EXISTING DRAINAGE CHANNEL
—	DRAINAGE BUND
—	MAINTENANCE/CONSTRUCTION PAD
—	BALLAST TRACK
—	CBH ACCESS ROAD
—	SLAB TRACK
—	ASPHALT TRACK
—	MAINTENANCE ACCESS TRACK
—	BALLAST ARRESTOR BED
—	CBH ACCESS ROAD PAVEMENT BLEND
—	EXISTING FENCE
—X—X—X—	EXISTING FENCE TO BE REMOVED
—	PROP 1200mm HIGH STOCK FENCE
—	POSITION OF SAFETY LINE



DRAWING NOTES	
1.	ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
2.	REFER TO DRG No. 358-ENG-RL-DGA-0001 FOR GENERAL NOTES.
3.	FOR TRACK STRUCTURE COMPONENTS ALONG SIDING REFER TO THE FOLLOWING: CONCRETE SLEEPER ARRANGEMENT: 50kg RAIL - 154mm 60kg RAIL - 170mm RAIL PAD - 8mm LPCS/FDCS - 140mm/215mm
SURVEY	
COORDINATE REFERENCE SYSTEM	MTGA94 ZONE 50
HEIGHT DATUM	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES

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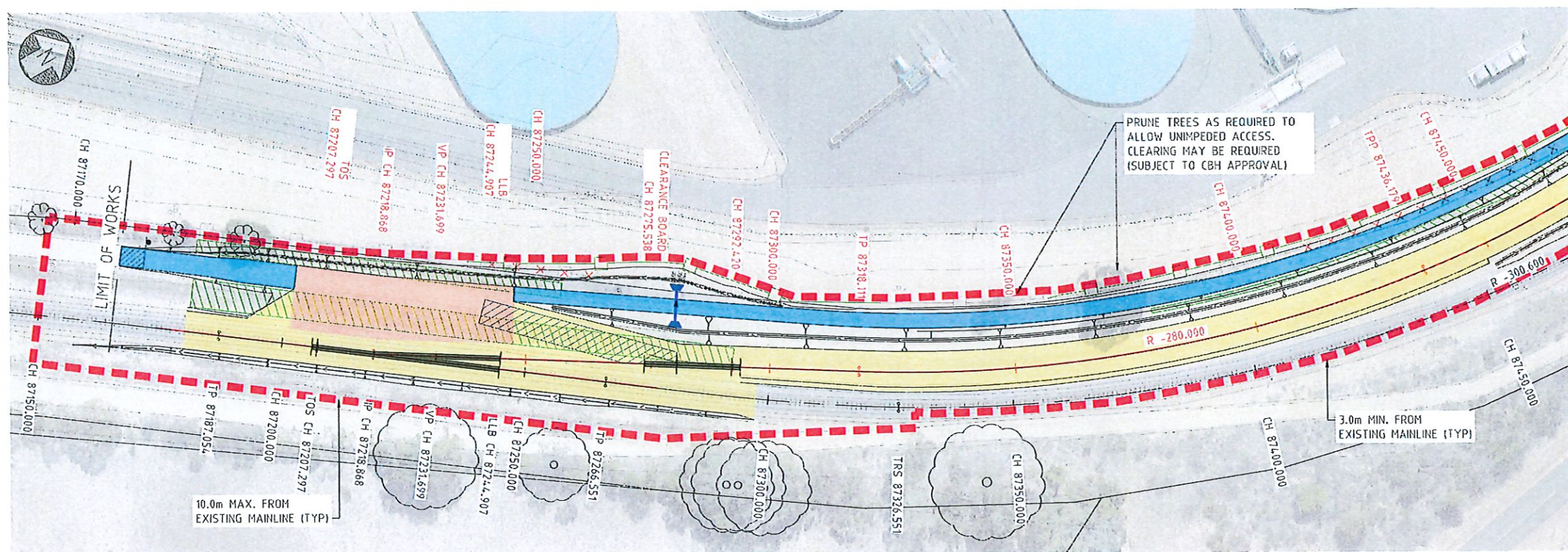
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BGE Project No. PE22014



REV	DATE	REVISION DESCRIPTION
E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW
D	28.09.23	ISSUED FOR 100% CLIENT REVIEW
C	23.08.23	ISSUED FOR 85% CLIENT REVIEW
B	01.05.23	ISSUED FOR 60% CLIENT REVIEW
A	16.12.22	ISSUED FOR 30% CLIENT REVIEW

SCALE	1500
DATE	27.10.23
DESIGNED	AS
CHECKED	AS
DESIGNED	AS
DESIGN APPROV	AS
PROJECT APPROV	AS

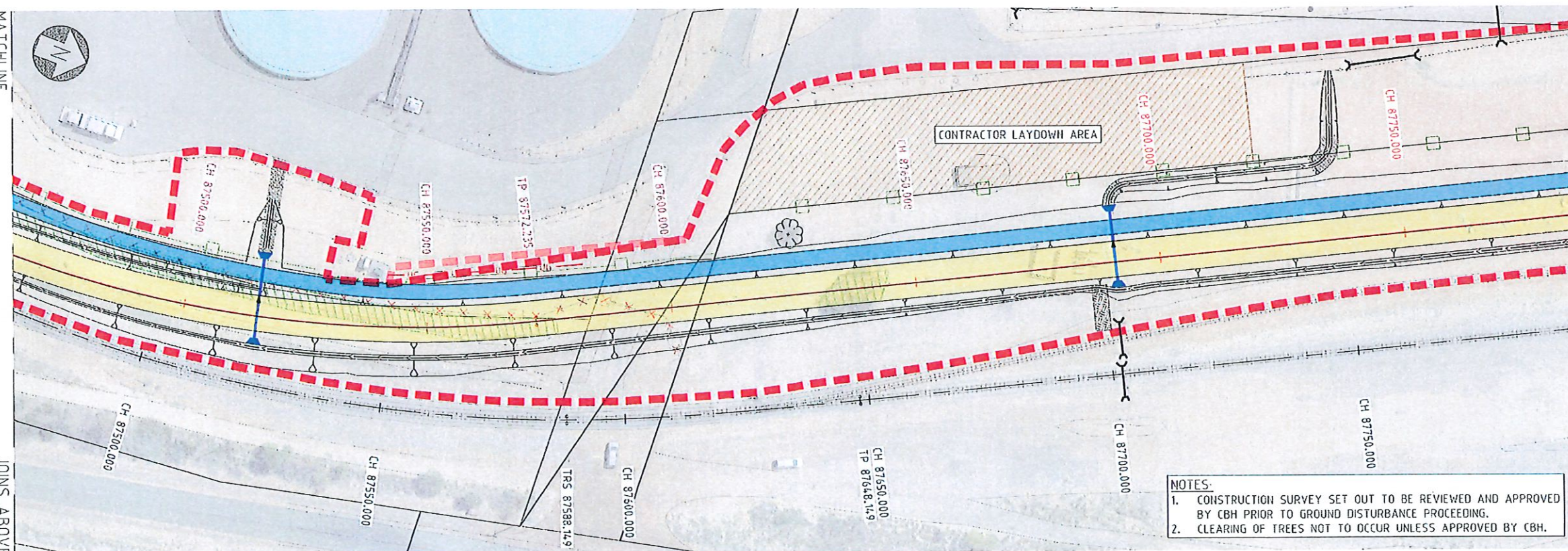
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DRG No	358-ENG-CI-DAL-0011
SHEET	2 OF 2
REV	E



LEGEND	
—	CADASTRAL BOUNDARY
CH 87201.248	EXISTING MAINLINE CHAINAGES
CH 87350.000	NEW SIDING CHAINAGES
	RAIL TO BE REMOVED
—+—+—+—	PROPOSED CULVERT AND HEADWALLS
—+—+—+—	EXISTING CULVERT
—+—+—+—	PROPOSED DRAINAGE CHANNEL
	CONDUIT/PIPE TO BE SLURRY FILLED
—+—+—+—	EXISTING DRAINAGE CHANNEL
[Red dashed box]	PROPOSED DISTURBANCE AREA
[Pink box]	MAINTENANCE/CONSTRUCTION PAD
[Yellow box]	BALLAST TRACK
[Purple box]	CBH ACCESS ROAD
[Green box]	SLAB TRACK
[Blue box]	ASPHALT TRACK
[Blue box]	MAINTENANCE ACCESS TRACK
[Blue box]	BALLAST ARRESTOR BED
[Hatched box]	CONTRACTOR LAYDOWN AREA
[Hatched box]	CBH ACCESS ROAD PAVEMENT BLEND
—+—+—+—	EXISTING FENCE
×××××	EXISTING FENCE TO BE REMOVED
—+—+—+—	PROP 1200mm HIGH STOCK FENCE

- DRAWING NOTES**
- ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
 - REFER TO DRG No. 358-ENG-RL-DGA-0001 FOR GENERAL NOTES.
 - FOR TRACK STRUCTURE COMPONENTS ALONG SIDING REFER TO THE FOLLOWING:
CONCRETE SLEEPER ARRANGEMENT:
50kg RAIL - 154mm
60kg RAIL - 170mm
RAIL PAD - 8mm
LPCS/FDCS - 140mm/215mm

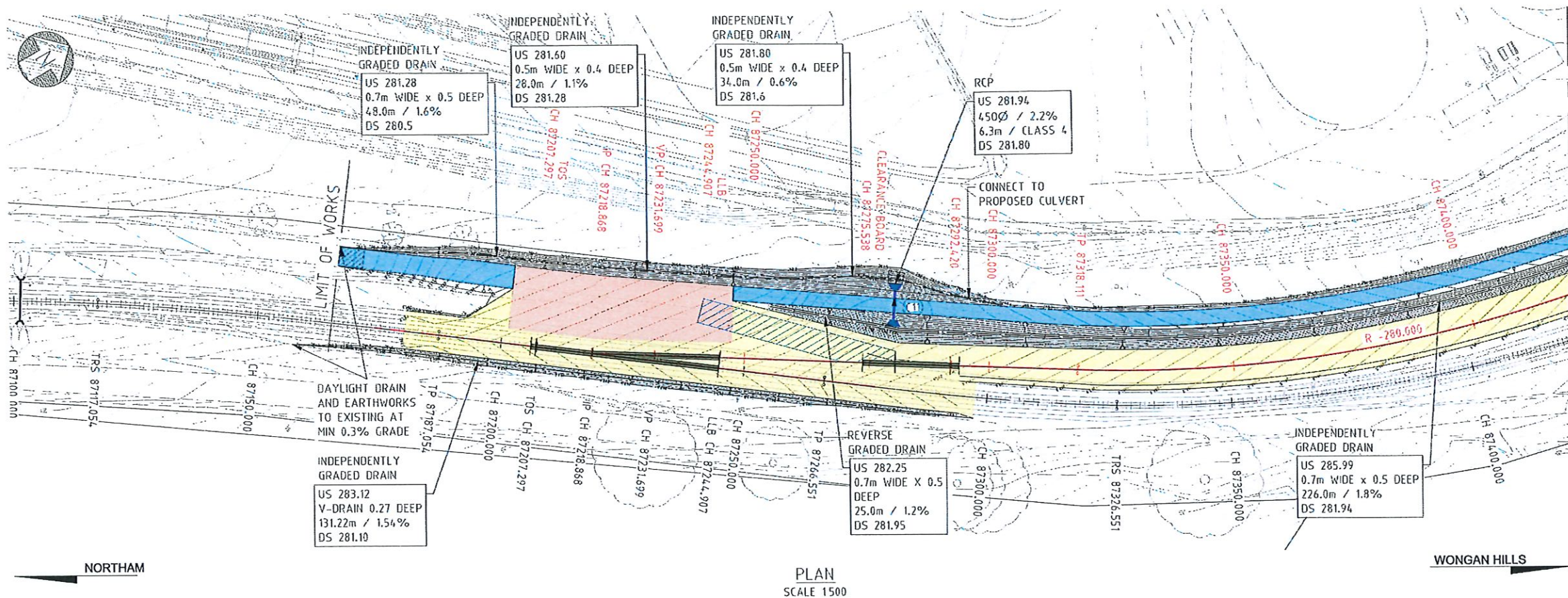
SURVEY	
COORDINATE REFERENCE SYSTEM	MGA94 ZONE 50
HEIGHT DATUM	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES



SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 16/11/2023
REF: RESOLUTION 719
SIGNED: [Signature]
NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT

PLAN SCALE 1500

CBH GROUP ABN 29 255 604 947		BGE Perth Office— Level 19, Kings Square 1 556 Wellington St, Perth WA 6000 P: +61 8 6164 3300 E: info@bge.com.au bge.com.au		CONNONGORRING FIXED RAIL LOADING FACILITY RAIL AND CIVIL CLEARING / GROUND DISTURBANCE PLAN SHEET 1 OF 2		358-ENG-CI-DCL-0003		1 OF 2		D	
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LEGEND

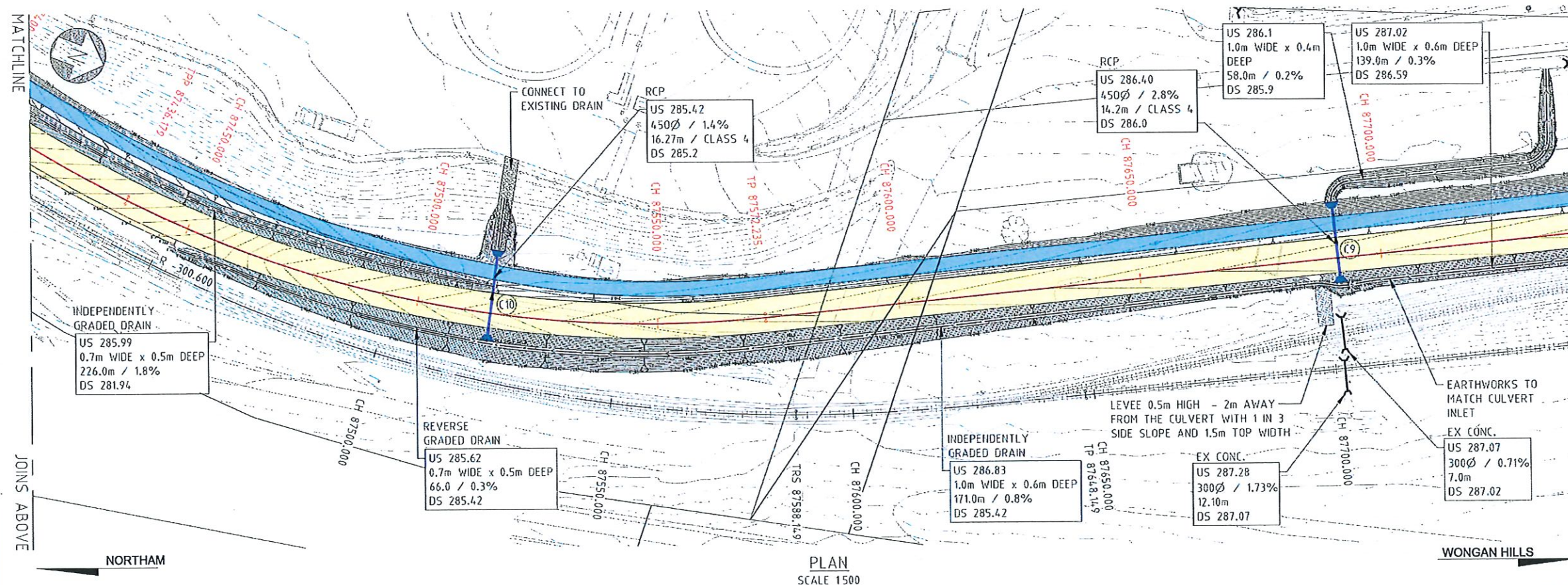
- CADASTRAL BOUNDARY
- CH 87201.248 — EXISTING MAINLINE CHAINAGES
- RAIL TO BE REMOVED
- PROPOSED CULVERT, HEADWALLS AND CATCHPIT
- PROPOSED DRAINAGE CHANNEL
- PROPOSED SCOUR PROTECTION
- EXISTING CULVERT
- PROPOSED DRAINAGE PIT
- DRAINAGE STRUCTURE ID
- KERB
- EXISTING DRAINAGE CHANNEL
- EXIST MINOR CONTOURS (0.1m)
- EXIST MAJOR CONTOURS (0.5m)
- DESIGN MINOR CONTOURS (0.1m)
- DESIGN MAJOR CONTOURS (0.5m)
- MAINTENANCE/CONSTRUCTION PAD
- BALLAST TRACK
- CBH ACCESS ROAD
- SLAB TRACK
- ASPHALT TRACK
- MAINTENANCE ACCESS TRACK
- BALLAST ARRESTOR BED
- DRAINAGE BUND

DRAWING NOTES

- ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
- REFER TO DRG No. 358-ENG-RL-DGA-0001 FOR GENERAL NOTES.
- REFER TO DRG No. 358-ENG-CI-DDD-0023 FOR DRAINAGE SCHEDULE DETAILS.

SURVEY

COORDINATE REFERENCE SYSTEM	MGA94 ZONE 50
HEIGHT DATUM	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES



DRAWING NOTES

- ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
- REFER TO DRG No. 358-ENG-RL-DGA-0001 FOR GENERAL NOTES.
- REFER TO DRG No. 358-ENG-CI-DDD-0023 FOR DRAINAGE SCHEDULE DETAILS.

SURVEY

COORDINATE REFERENCE SYSTEM	MGA94 ZONE 50
HEIGHT DATUM	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3

DEVELOPMENT APPROVAL

DATE: 10/11/2023
REF: RESOLUTION 19
SIGNED: [Signature]
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BGE Project No. PE22014

REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD
E	27.12.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	H3
D	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	H3
C	23.09.23	ISSUED FOR 85% CLIENT REVIEW	JC	TB	H3
B	01.05.23	ISSUED FOR 65% CLIENT REVIEW	JH	DFR	H3
A	15.12.22	ISSUED FOR 30% CLIENT REVIEW	GF	DFR	H3

SCALE	1:500	DATE	27.12.23
DRWN	AS	CHKD	TB
DESIGNED	SDB	DESIGN APPR	TB
PROJECT APPR	YB	DATE	27.12.23

CONNONGORRING
FIXED RAIL LOADING FACILITY
CIVIL EARTHWORK AND DRAINAGE
DRAINAGE PLAN SHEET 1 OF 3
358-ENG-CI-DDR-0003
1 OF 3
E

Y=562546.500
X=42882.142
DATUM 281.600

FORMATION SURFACE LEVEL	283.043	282.854	282.857	282.944	283.043	283.444	283.531	283.561
SUBGRADE SURFACE LEVEL	283.043	282.854	282.857	282.944	283.043	283.444	283.531	283.561
EXISTING SURFACE LEVEL	283.043	282.854	282.857	282.944	283.043	283.444	283.531	283.561
CUT / FILL DEPTHS	0.000	-0.000	-0.000	-0.000	0.000	0.000	0.000	0.000
OFFSET	-13.867	-13.298	-13.047	-12.798	-12.549	-12.299	-12.049	-11.799

CHAINAGE 87300

Y=562504.383
X=42655.667
DATUM 288.000

FORMATION SURFACE LEVEL	282.122	281.916	281.816	281.716	281.616	281.516	281.416	281.316
SUBGRADE SURFACE LEVEL	282.122	281.916	281.816	281.716	281.616	281.516	281.416	281.316
EXISTING SURFACE LEVEL	282.122	281.916	281.816	281.716	281.616	281.516	281.416	281.316
CUT / FILL DEPTHS	0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
OFFSET	-18.349	-16.831	-16.021	-15.211	-14.401	-13.591	-12.781	-11.971

CHAINAGE 87250

Y=562468.698
X=42832.266
DATUM 289.000

FORMATION SURFACE LEVEL	281.548	281.170	281.170	281.170	281.170	281.170	281.170	281.170
SUBGRADE SURFACE LEVEL	281.548	281.170	281.170	281.170	281.170	281.170	281.170	281.170
EXISTING SURFACE LEVEL	281.548	281.170	281.170	281.170	281.170	281.170	281.170	281.170
CUT / FILL DEPTHS	0.000	-0.426	-0.437	-0.437	-0.437	-0.437	-0.437	-0.437
OFFSET	-18.835	-17.700	-17.450	-17.200	-16.950	-16.700	-16.450	-16.200

CHAINAGE 87207.297

Y=562686.109
X=42933.931
DATUM 283.000

FORMATION SURFACE LEVEL	285.808	285.542	285.423	285.365	285.307	285.249	285.191	285.133
SUBGRADE SURFACE LEVEL	285.808	285.542	285.423	285.365	285.307	285.249	285.191	285.133
EXISTING SURFACE LEVEL	285.808	285.542	285.423	285.365	285.307	285.249	285.191	285.133
CUT / FILL DEPTHS	0.000	-0.377	-0.524	-0.399	-0.502	-0.714	-0.806	-0.898
OFFSET	-12.510	-11.714	-8.743	-7.797	-6.289	-5.589	-4.250	-3.000

CHAINAGE 87450

Y=562636.943
X=42924.385
DATUM 283.000

FORMATION SURFACE LEVEL	285.204	284.682	284.519	284.101	284.101	284.101	284.101	284.101
SUBGRADE SURFACE LEVEL	285.204	284.682	284.519	284.101	284.101	284.101	284.101	284.101
EXISTING SURFACE LEVEL	285.204	284.682	284.519	284.101	284.101	284.101	284.101	284.101
CUT / FILL DEPTHS	0.000	-0.486	-0.413	-0.386	-0.386	-0.386	-0.386	-0.386
OFFSET	-13.368	-11.803	-8.803	-7.731	-6.477	-5.777	-4.250	-3.000

CHAINAGE 87400

Y=562590.119
X=42507.039
DATUM 282.000

FORMATION SURFACE LEVEL	284.101	283.700	283.671	283.200	283.200	283.200	283.200	283.200
SUBGRADE SURFACE LEVEL	284.101	283.700	283.671	283.200	283.200	283.200	283.200	283.200
EXISTING SURFACE LEVEL	284.101	283.700	283.671	283.200	283.200	283.200	283.200	283.200
CUT / FILL DEPTHS	0.000	-0.274	-0.151	-0.658	-0.667	-0.675	-0.683	-0.691
OFFSET	-12.745	-11.877	-8.877	-8.157	-6.744	-6.394	-4.250	-3.000

CHAINAGE 87350

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 16/11/2023
RESOLUTION: 7/19
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER
NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT

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BGSE Project No. PE22014



REV	DATE	REVISION DESCRIPTION	BY	CHKD	APP'D	SCALE	DESIGN	AS	DATE	FILE
E	27.12.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	MS	1:100	DESIGN	AS	27.12.23	KONNONGORRING
D	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	MS	A1	DESIGN	AS	27.12.23	FIXED RAIL LOADING FACILITY
C	23.03.23	ISSUED FOR 85% CLIENT REVIEW	JK	TB	MS	DESIGN	DESIGN	SOB	27.12.23	CIVIL EARTHWORK AND DRAINAGE
B	01.05.23	ISSUED FOR 60% CLIENT REVIEW	JH	DFR	MS	DESIGN	DESIGN	JH	27.12.23	SIDING CROSS SECTIONS SHEET 1 OF 4
A	16.12.22	ISSUED FOR 30% CLIENT REVIEW	LJ	DFR	MS	DESIGN	DESIGN	YB	27.12.23	358-ENG-CI-DSE-0025

1100 @ A1
1200 @ A3

SHEET 1 OF 4
REV. E

Y=562830.390
X=42960.323
DATUM 285.000

FORMATION SURFACE LEVEL	286.536	286.569	286.589	286.581	287.308	287.218	286.147	286.147	287.361
SUBGRADE SURFACE LEVEL	286.536	286.569	286.589	286.581	287.308	287.218	286.147	286.147	287.361
EXISTING SURFACE LEVEL	286.536	286.569	286.589	286.581	287.308	287.218	286.147	286.147	287.361
CUT / FILL DEPTHS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OFFSET	-9.300	-8.600	-5.600	-4.250	0.000	3.000	5.443	5.643	8.572

CHAINAGE 87600

Y=562784.554
X=42920.246
DATUM 283.000

FORMATION SURFACE LEVEL	286.540	286.609	286.729	287.006	287.133	287.043	286.716	286.716	287.209
SUBGRADE SURFACE LEVEL	286.540	286.609	286.729	287.006	287.133	287.043	286.716	286.716	287.209
EXISTING SURFACE LEVEL	286.540	286.609	286.729	287.006	287.133	287.043	286.716	286.716	287.209
CUT / FILL DEPTHS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OFFSET	-8.622	-8.616	-5.616	-4.250	0.000	3.000	5.653	6.653	9.799

CHAINAGE 87550

Y=562736.002
X=42931.810
DATUM 284.000

FORMATION SURFACE LEVEL	286.170	286.133	286.153	286.081	286.573	286.610	285.444	285.444	286.835
SUBGRADE SURFACE LEVEL	286.170	286.133	286.153	286.081	286.573	286.610	285.444	285.444	286.835
EXISTING SURFACE LEVEL	286.170	286.133	286.153	286.081	286.573	286.610	285.444	285.444	286.835
CUT / FILL DEPTHS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OFFSET	-11.063	-10.900	-7.598	-6.095	-4.250	0.000	5.209	5.643	8.736

CHAINAGE 87500

Y=562966.696
X=42837.708
DATUM 285.000

FORMATION SURFACE LEVEL	286.323	287.472	287.547	287.631	287.758	287.648	286.753	286.753	287.201
SUBGRADE SURFACE LEVEL	286.323	287.472	287.547	287.631	287.758	287.648	286.753	286.753	287.201
EXISTING SURFACE LEVEL	286.323	287.472	287.547	287.631	287.758	287.648	286.753	286.753	287.201
CUT / FILL DEPTHS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OFFSET	-11.896	-8.600	-5.600	-4.250	0.000	3.000	4.630	5.330	6.726

CHAINAGE 87750

Y=562921.261
X=42858.580
DATUM 284.000

FORMATION SURFACE LEVEL	286.402	286.149	286.149	286.107	286.191	286.302	286.442	286.598	287.047
SUBGRADE SURFACE LEVEL	286.402	286.149	286.149	286.107	286.191	286.302	286.442	286.598	287.047
EXISTING SURFACE LEVEL	286.402	286.149	286.149	286.107	286.191	286.302	286.442	286.598	287.047
CUT / FILL DEPTHS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OFFSET	-16.933	-15.994	-15.494	-14.994	-13.421	-11.631	-8.600	-5.600	-4.250

CHAINAGE 87700

Y=562875.825
X=42879.451
DATUM 284.000

FORMATION SURFACE LEVEL	286.302	287.008	287.128	287.331	287.458	287.248	286.572	286.572	286.861
SUBGRADE SURFACE LEVEL	286.302	287.008	287.128	287.331	287.458	287.248	286.572	286.572	286.861
EXISTING SURFACE LEVEL	286.302	287.008	287.128	287.331	287.458	287.248	286.572	286.572	286.861
CUT / FILL DEPTHS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OFFSET	-10.719	-8.600	-5.600	-4.250	0.000	3.000	4.592	5.092	6.370

CHAINAGE 87650

SHIRE OF GOOMALLING
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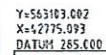
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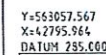
REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD
E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB
D	23.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB
C	23.09.23	ISSUED FOR 85% CLIENT REVIEW	JK	JH	HB
B	01.05.23	ISSUED FOR 60% CLIENT REVIEW	JH	DFR	HB
A	16.12.22	ISSUED FOR 30% CLIENT REVIEW	LJ	DFR	HB

SCALE	1:100	DRAWN	AS	DATE	27.10.23
SHEET	A1	CHECKED	TB	DATE	27.10.23
PROJECT	KONNONGORRING	DESIGN APPR	JH	DATE	27.10.23
CONTRACT NO	(W9951)	PROJECT APPR	HB	DATE	27.10.23

TITLE	KONNONGORRING FIXED RAIL LOADING FACILITY CIVIL EARTHWORK AND DRAINAGE SIDING CROSS SECTIONS SHEET 2 OF 4
DWG NO	358-ENG-CI-DSE-0026
SHEET	2 OF 4
REV	E



Y=563057.567
X=42795.964
DATUM 285.000



Y=563012.131
X=42816.836
DATUM 285.00



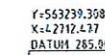
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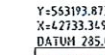


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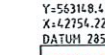
BG&E Project No. PE22014

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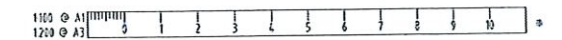
Y=553193.87
X=42733.349
DATUM 285.



Y=563148.4
X=42754.22
DATUM 285



CHAINAGE 87950



Y=563371.653
X=42642.742
DATUM 286.666

FORMATION SURFACE LEVEL	287.370	285.234	285.234	285.234	285.634	285.005	285.910	285.869	285.553	286.460
SUBGRADE SURFACE LEVEL		285.234	285.234	285.234	285.334	285.405	285.500	285.589	285.553	286.460
EXISTING SURFACE LEVEL	287.370	285.234	285.234	285.234	285.334	285.405	285.500	285.589	285.553	286.460
CUT / FILL DEPTHS	0.000	-1.971	-1.971	-1.971	-0.953	-0.390	-0.278	-0.318	-0.765	0.000
OFFSET	-15.571	-11.348	-10.748	-10.748	-9.048	0.000	2.452	6.164	7.168	8.984

CHAINAGE 88200

Y=563329.287
X=42668.975
DATUM 286.666

FORMATION SURFACE LEVEL	288.143	286.687	286.480	285.707	286.445	286.572	286.658	286.688		
SUBGRADE SURFACE LEVEL		286.687	286.480	285.707	286.445	286.572	286.658	286.688		
EXISTING SURFACE LEVEL	288.143	286.687	286.480	285.707	286.445	286.572	286.658	286.688		
CUT / FILL DEPTHS	0.000	-1.324	-1.379	-1.886	-0.384	-0.091	0.052	-0.263		
OFFSET	-16.950	-13.963	-9.855	-5.734	-4.250	0.000	2.847	3.847		

CHAINAGE 88150

Y=563284.743
X=42691.686
DATUM 286.666

FORMATION SURFACE LEVEL	287.671	287.601	287.548	287.488	287.731	287.731	287.731	287.699	287.695	
SUBGRADE SURFACE LEVEL	287.671	287.601	287.548	287.488	287.731	287.731	287.731	287.699	287.695	
EXISTING SURFACE LEVEL	287.671	287.601	287.548	287.488	287.731	287.731	287.731	287.699	287.695	
CUT / FILL DEPTHS	0.000	0.000	-0.052	-0.135	0.000	0.000	0.000	0.000	0.000	
OFFSET	-17.477	-14.149	-10.630	-3.405	-1.500	0.000	1.500	3.695	3.872	10.977

CHAINAGE 88100

Y=563608.255
X=42619.170
DATUM 283.000

FORMATION SURFACE LEVEL	286.875	284.715	284.715	285.115	285.200	285.583	285.278	284.738	285.697	
SUBGRADE SURFACE LEVEL		284.715	284.715	285.115	285.200	285.583	285.278	284.738	285.697	
EXISTING SURFACE LEVEL	286.875	284.715	284.715	285.115	285.200	285.583	285.278	284.738	285.697	
CUT / FILL DEPTHS	0.000	-1.426	-1.386	-0.933	-1.052	-0.547	-0.232	-0.685	0.000	
OFFSET	-14.834	-11.130	-10.630	-6.930	-5.830	0.000	3.500	4.500	6.008	

CHAINAGE 88243.398

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL

DATE: 16/11/2023
REF: RESOLUTION 719
SIGNED: [Signature]
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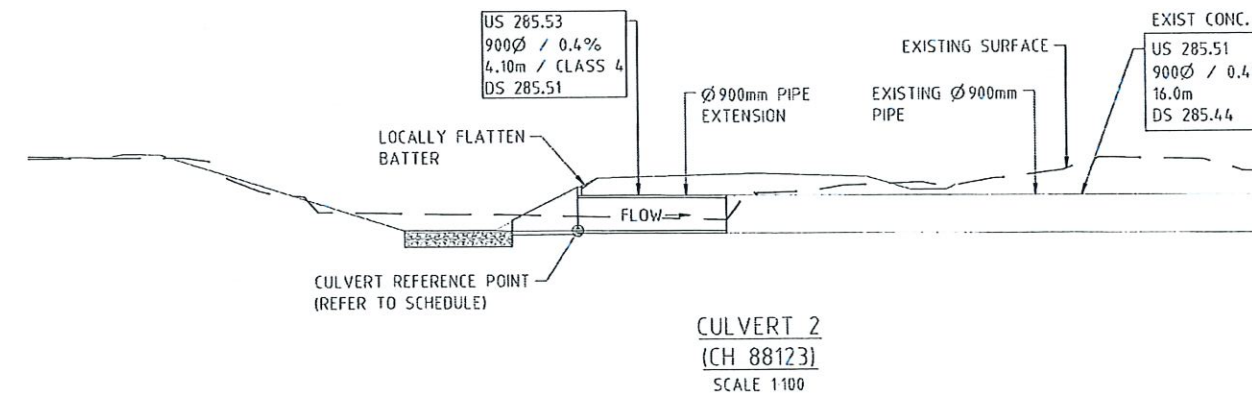
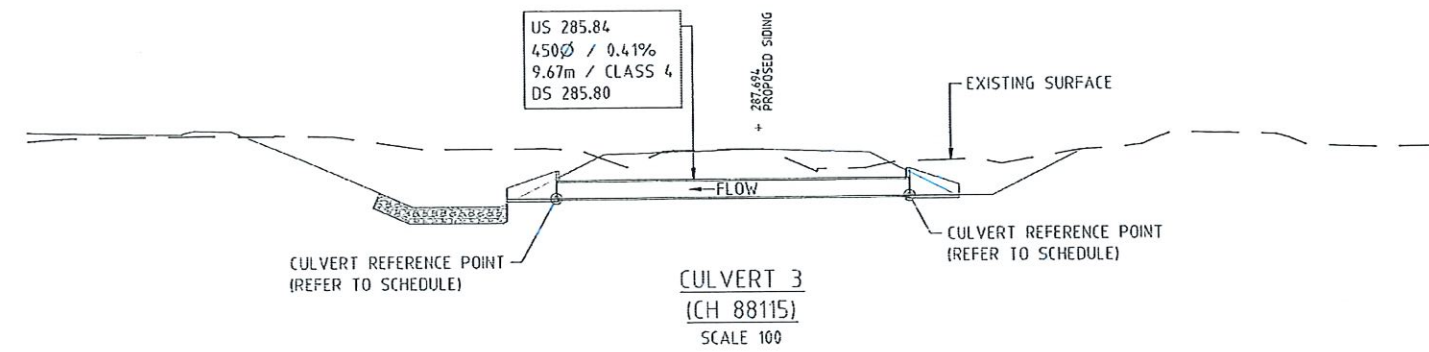
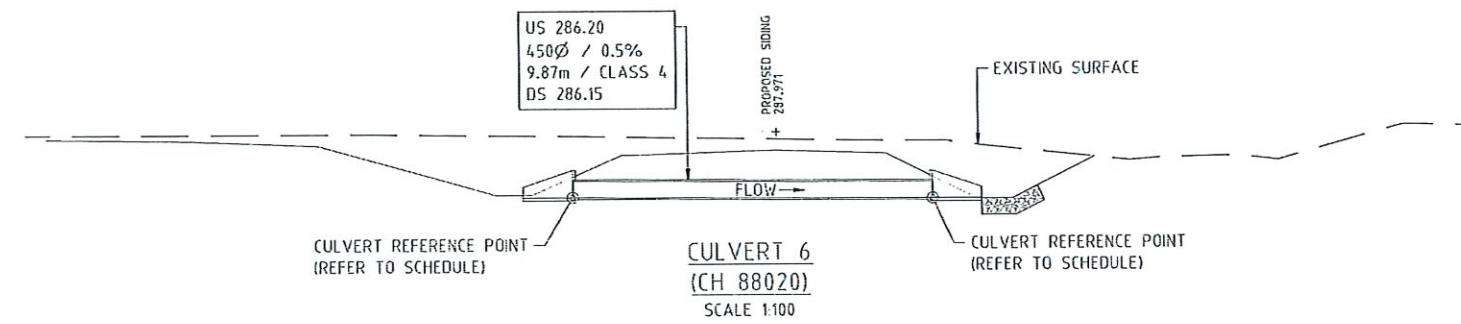
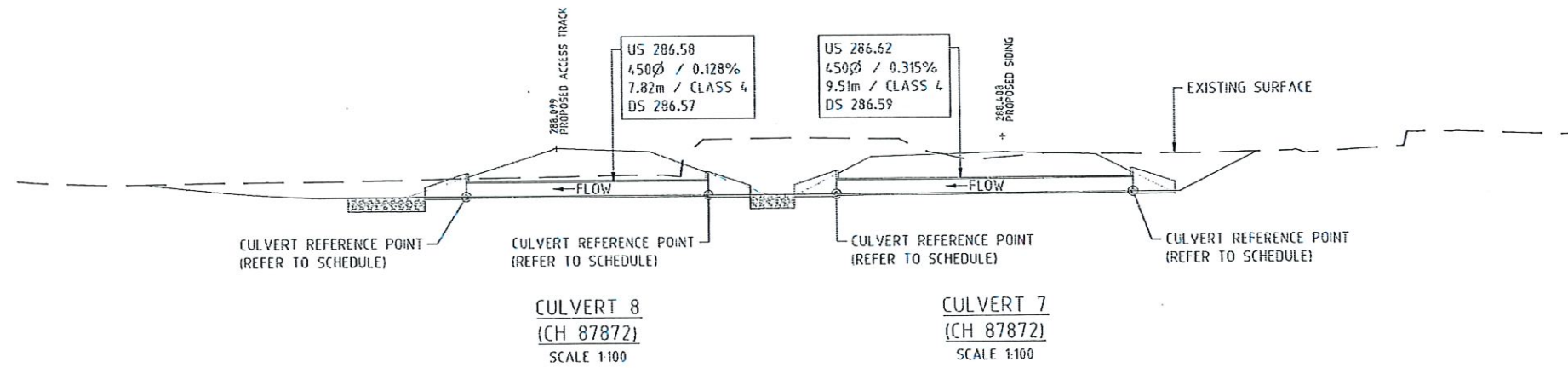


REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD	SCALE	DRAWN	AS	27.10.23	FILE
D	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TS	HS	1:100	AS	TS	27.10.23	KONNONGORRING
C	23.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TS	HS	A1	DESIGNED	TS	27.10.23	FIXED RAIL LOADING FACILITY
B	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JS	JH	HS	KONNONGORRING	DESIGNED	SDB	27.10.23	CIVIL EARTHWORK AND DRAINAGE
A	01.05.23	ISSUED FOR 50% CLIENT REVIEW	JH	DFR	HS	CONTRACT NO	DESIGN APPR	JH	27.10.23	SIDING CROSS SECTIONS SHEET 4 OF 4
			DF	OKD	APPD	(W9951)	PROJECT APPR	TS	27.10.23	358-ENG-CI-DSE-0028

1:100 @ A1
1:200 @ A3

REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD	SCALE	DRAWN	AS	27.10.23	FILE
D	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TS	HS	1:100	AS	TS	27.10.23	KONNONGORRING
C	23.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TS	HS	A1	DESIGNED	TS	27.10.23	FIXED RAIL LOADING FACILITY
B	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JS	JH	HS	KONNONGORRING	DESIGNED	SDB	27.10.23	CIVIL EARTHWORK AND DRAINAGE
A	01.05.23	ISSUED FOR 50% CLIENT REVIEW	JH	DFR	HS	CONTRACT NO	DESIGN APPR	JH	27.10.23	SIDING CROSS SECTIONS SHEET 4 OF 4
			DF	OKD	APPD	(W9951)	PROJECT APPR	TS	27.10.23	358-ENG-CI-DSE-0028

358-ENG-CI-DSE-0028
4 OF 4
REV. D



- NOTES:**
1. ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
 2. REFER TO DRG No. 358-ENG-CI-DTD-0023 FOR DRAINAGE SCHEDULE DETAILS.

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL

DATE: 16/11/2023
REF: RESOLUTION 719
SIGNED: [Signature]
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1:100 @ A1
1200 @ A3

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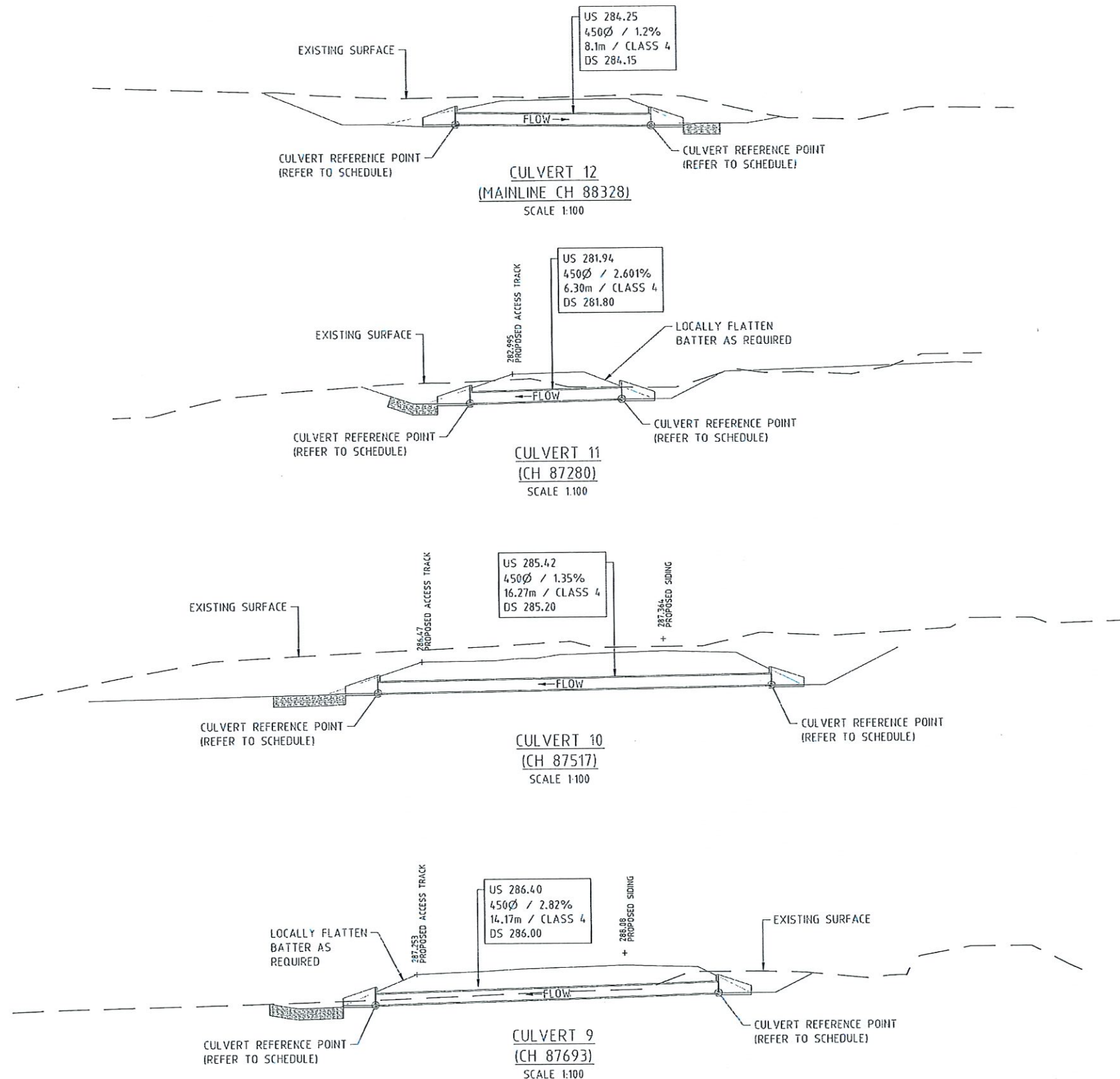
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REV	DATE	REVISION DESCRIPTION	BY	CHKD	APP'D	SCALE	DRAWN	AS	DATE	FILE	SHEET	REV.
D	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TS	HS	1:100	AS	AS	27.10.23	KONNONGORRING FIXED RAIL LOADING FACILITY CIVIL EARTHWORK AND DRAINAGE DRAINAGE DETAILS SHEET 1 OF 4 358-ENG-CI-DTD-0005	1 OF 4	D
C	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TS	HS	A1	CKEED	TS	27.10.23			
B	23.09.23	ISSUED FOR 85% CLIENT REVIEW	JK	TS	HS	KONNONGORRING	DESIGNER	SDB	27.10.23			
A	01.05.23	ISSUED FOR 60% CLIENT REVIEW	JH	JH	HS	CONTRACT NO	DESIGN APPR	TS	27.10.23			
						CW9951	PROJECT APPR	TS	27.10.23			

NOTES:

1. ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
2. REFER TO DRG No. 358-ENG-CI-DTD-0023 FOR DRAINAGE SCHEDULE DETAILS.



SHIRE OF GOOMALLING

LOCAL PLANNING SCHEME NO. 3

DEVELOPMENT APPROVAL

DATE: 16/11/2023

REF: Resolution 719

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12:00 @ A3

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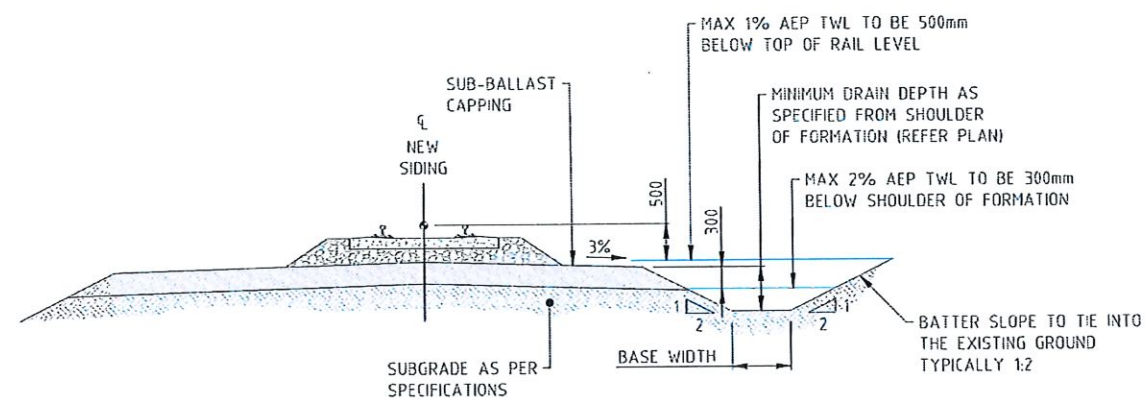
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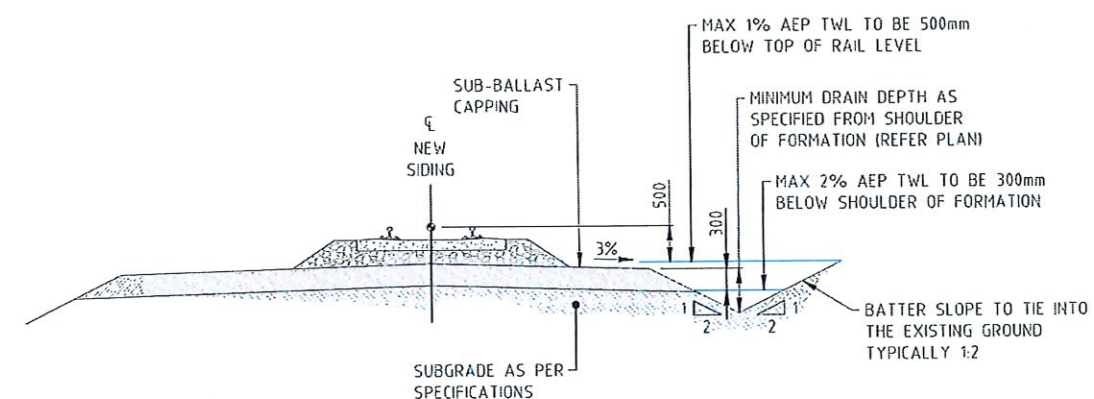
REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD	SCALE	DRWN	AS	27.10.23	TITLE
D	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	18	113	1:100	DRWN	AS	27.10.23	KONNONGORRING
C	23.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	18	113	A1	CHECKED	18	27.10.23	FIXED RAIL LOADING FACILITY
B	23.09.23	ISSUED FOR 85% CLIENT REVIEW	JC	18	113	PROJ.DET	DESIGNED	SDB	27.10.23	CIVIL EARTHWORK AND DRAINAGE
A	01.05.23	ISSUED FOR 60% CLIENT REVIEW	JH	21	113	CONTRACT No	DESIGN APPR	18	27.10.23	DRAINAGE DETAILS SHEET 2 OF 4
						(W9951	PROJECT APPR	18	27.10.23	358-ENG-CI-DTD-0006

SHEET 2 OF 4 REV. D

NOTE
ALL DIMENSIONS ARE IN MILLIMETRES (mm)
UNLESS NOTED OTHERWISE.



TYPICAL SECTION OF TRAPEZOIDAL DRAIN
SCALE 1:50



TYPICAL SECTION OF V-DRAIN
SCALE 1:50

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DEVELOPMENT APPROVAL

DATE: 15 November 2023

REF: RESOLUTION 71

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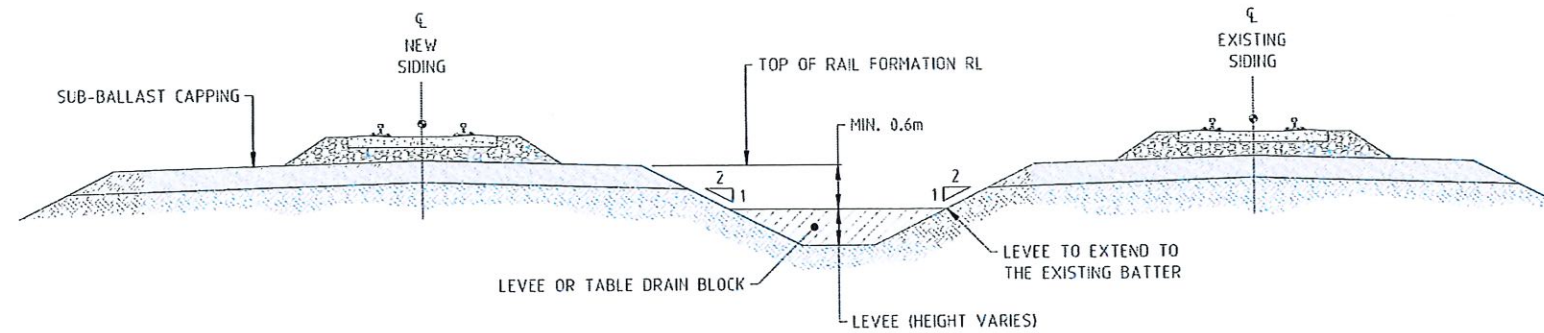
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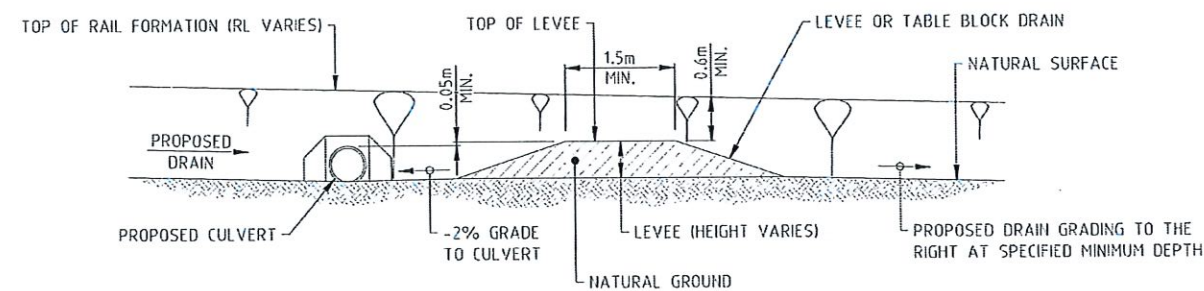


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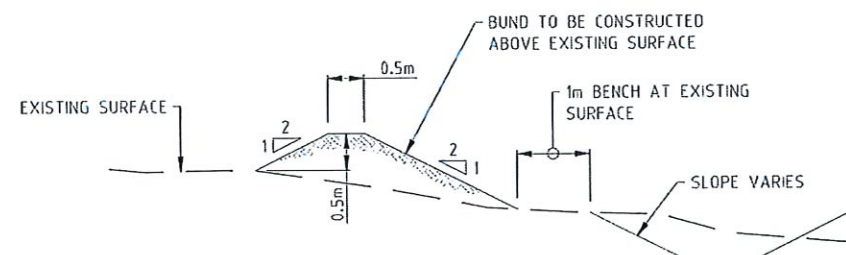
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TYPICAL SECTION OF LEVEE OR DRAIN BLOCK
SCALE 1:50



TYPICAL LONG SECTION THROUGH LEVEE OR DRAIN BLOCK
SCALE 1:50



TYPICAL DRAINAGE BUND DETAIL
SCALE 1:50

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1:100 @ A3

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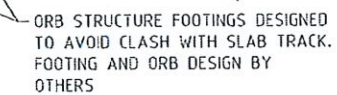
BGRE Project No. PE22014

REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD
C	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	MS
B	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	MS
A	23.09.23	ISSUED FOR 85% CLIENT REVIEW	JC	TB	MS

SCALE	1:50	DRAWN	AS	27.10.23
SHEET	A1	CHECKED	TB	27.10.23
PROJECT	KONNONGORRING	DESIGNED	SDB	27.10.23
CONTRACT NO.	CW9951	DESIGN APPROV	TB	27.10.23
PROJECT APPR	MS			27.10.23

TITLE	KONNONGORRING FIXED RAIL LOADING FACILITY CIVIL EARTHWORK AND DRAINAGE DRAINAGE DETAILS SHEET 4 OF 4
ENG No	358-ENG-CI-DTD-0022
SHEET	4 OF 4
REV	C

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. NORTH ASPHALT TRACK DISTANCE BETWEEN TOR TO TOF IS MAINTAINED AS 576mm AS PER THE FDCS SECTION LOCATED AT 2m AT THE NORTH OF THE ASPHALT TRACK



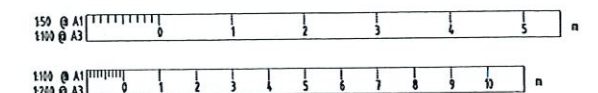
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REF: Resolution 719
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SCALE 1:100



SECTION B

SCALE 150



ABN 29 256 604 967

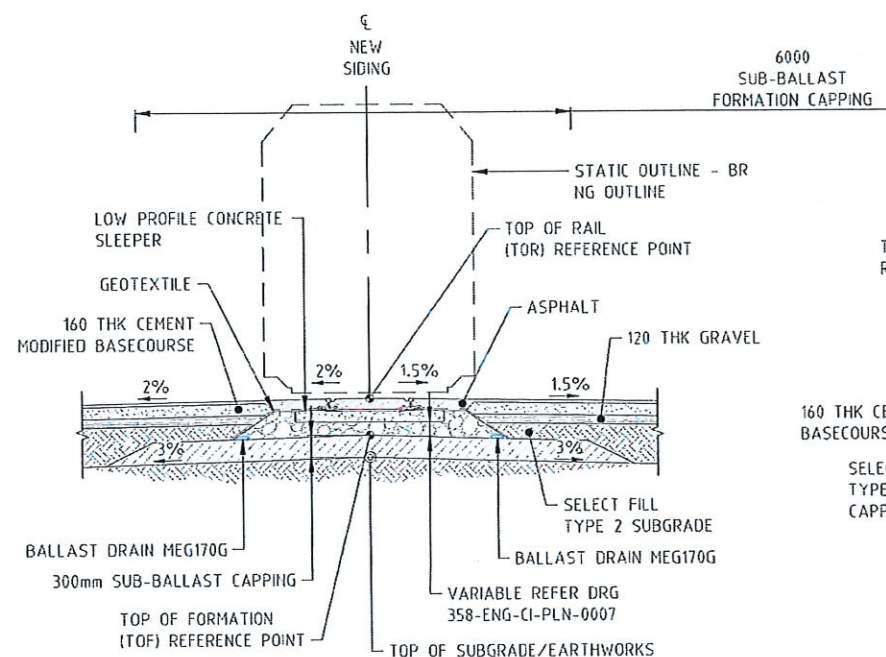


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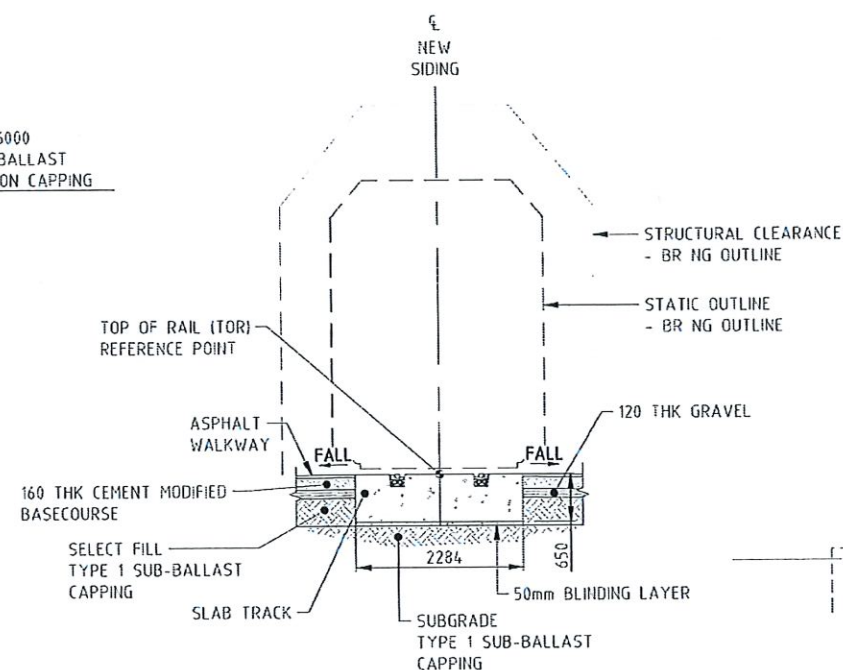
NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. REFER DRAWING 358-ENG-CI-DSE-0041 FOR PAVEMENT DETAILS.



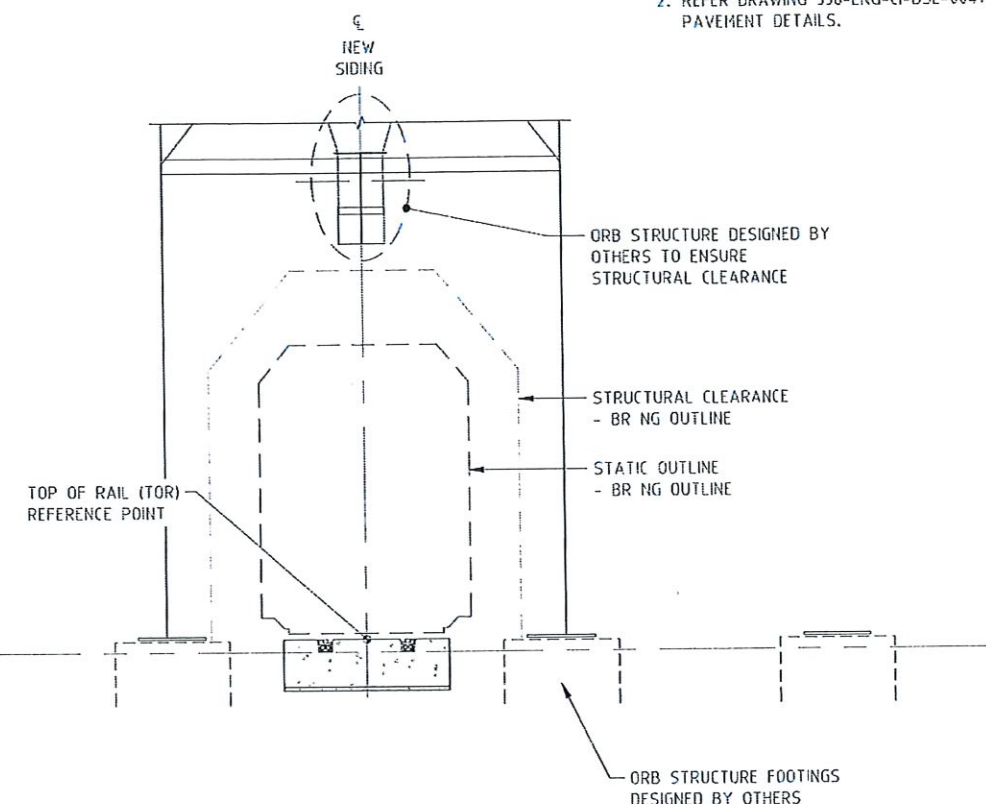
ASPHALT TRACK

SECTION C
SCALE 1:50
PLN-0007

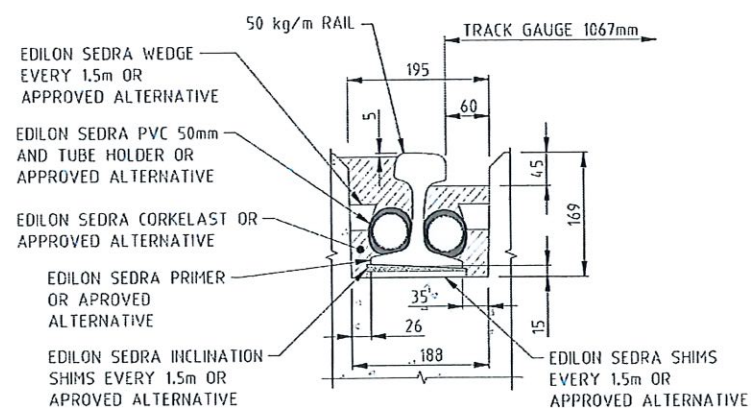


SLAB TRACK

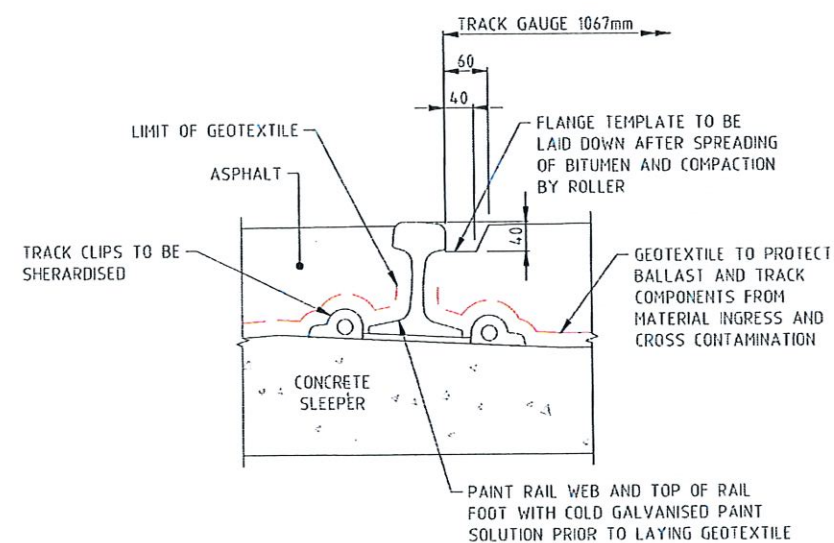
SECTION D
SCALE 1:50
PLN-0007



SECTION E
SCALE 1:50
PLN-0007

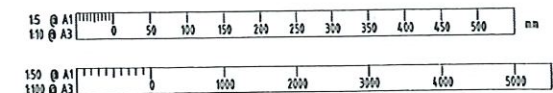


TYPICAL RAIL DETAIL
AT SLAB TRACK
SCALE:1:5



TYPICAL RAIL DETAIL
AT ASPHALT TRACK
SCALE:1:5

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 18/11/2023
REF: 18/11/2023
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER
NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT



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USED FOR ANY PURPOSE WITHOUT THE
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DO NOT SCALE FROM THIS DRAWING

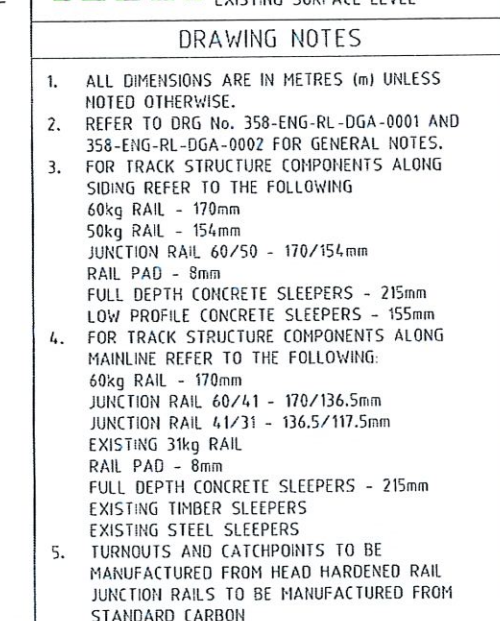
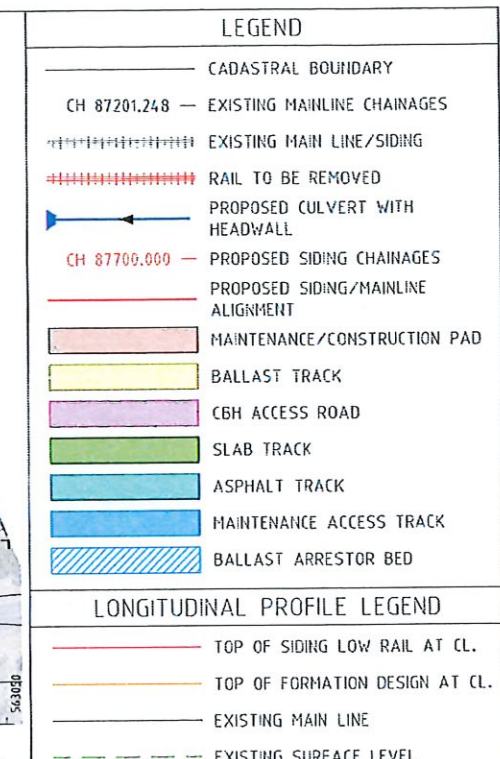


Perth Office—
Level 13, Kings Square 1
556 Wellington St, Perth WA 6000
P / +61 8 6364 3300 E / info@bgeec.com
bgeec.com
BGE Project No. PE22914



REV	DATE	DESCRIPTION	BY	CHKD	APPD
C	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB
B	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB
A	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JC	JH	HB

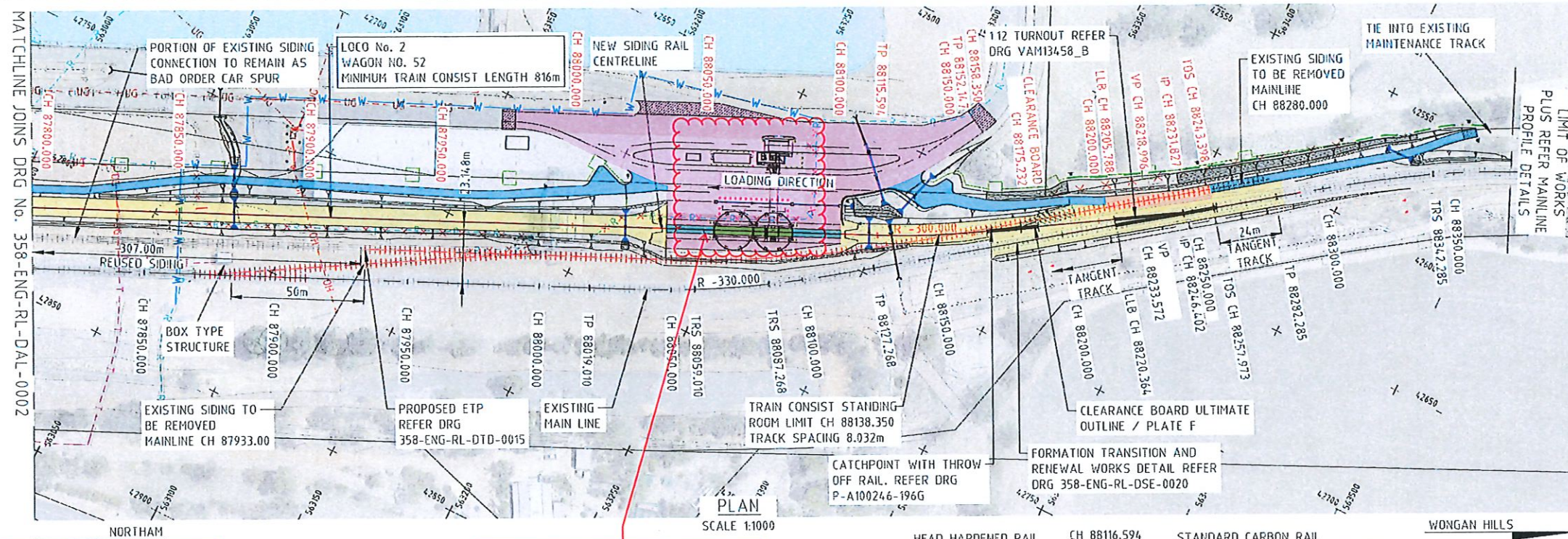
SCALE	1:50	DRAWN	AS	27.10.23	TITLE	KONNONGORRING FIXED RAIL LOADING FACILITY RAIL AND CIVIL SLAB TRACK SECTIONS
SHEET	A1	CHECKED	JH	27.10.23	DESIGNED	SOB
PROJECT	KONNONGORRING	DESIGN APPR	JH	27.10.23	PROJECT APPR	HB
CONTRACT NO	CW9951	27.10.23				
CSE No	358-ENG-CI-PLN-0008	SHEET	1 OF 1	REV.	C	



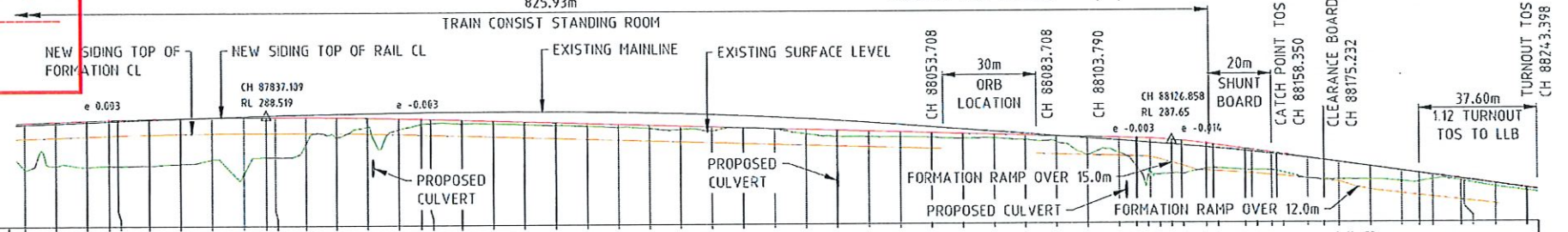
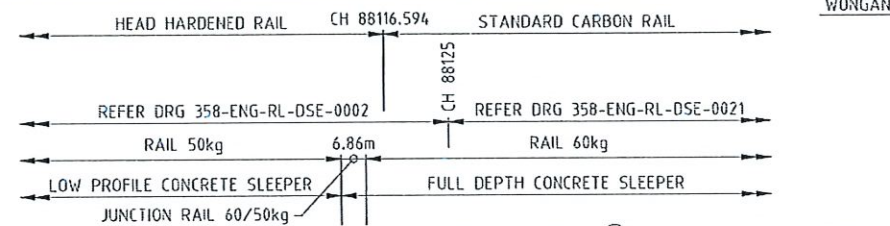
SURVEY	
COORDINATE REFERENCE SYSTEM	MGA94 ZONE 50
HEIGHT DATUM	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES



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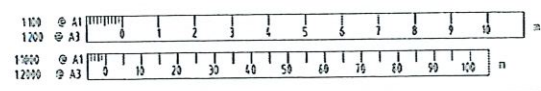


The out-loading facility and over rail bins infrastructure (above ground works) are shown for information purposes and do not form part of this Application. Refer to General Arrangement Plan 358-ENG-RL-DGA-003 Rev E for works subject of this Application.



VERTICAL GRADE				1 IN -333				1 IN -72	
VERTICAL CURVE									
HORIZONTAL ALIGNMENT				TAN 543.36				ARC 36.55	
HORIZONTAL RADIUS								R=300	
CANT									
LOW LEG DESIGN									
TOP OF RAIL AT CL		284.288		284.378		284.348		284.378	
TOP OF RAIL LOW RAIL TO TOP OF FORMATION		-0.5		-0.5		-0.5		-0.5	
TOP OF FORMATION (TOF) LEVEL AT CL		284.788		284.878		284.848		284.878	
TOF TO EXISTING DEPTH (- CUT / + FILL) AT CL		0.967		0.885		0.956		0.960	
EXISTING SURFACE LEVEL		285.65		285.732		285.672		285.732	
DESIGN BALLAST DEPTH (m)		-0.184		-0.184		-0.184		-0.184	
CHAINAGE		87740.000		87770.000		87800.000		87830.000	
		87770.000		87800.000		87830.000		87860.000	
		87790.000		87820.000		87850.000		87880.000	
		87810.000		87840.000		87870.000		87900.000	
		87830.000		87860.000		87890.000		87920.000	
		87850.000		87880.000		87910.000		87940.000	
		87870.000		87900.000		87930.000		87960.000	
		87890.000		87920.000		87950.000		87980.000	
		87910.000		87940.000		87970.000		88000.000	
		87930.000		87960.000		87990.000		88020.000	
		87950.000		87980.000		88010.000		88040.000	
		87970.000		88000.000		88030.000		88060.000	
		87990.000		88020.000		88050.000		88080.000	
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		88270.000		88300.000		88330.000		88360.000	
		88290.000		88320.000		88350.000		88380.000	
		88310.000		88340.000		88370.000		88400.000	
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		88410.000		88440.000		88470.000		88500.000	
		88430.000		88460.000		88490.000		88520.000	
		88450.000		88480.000		88510.000		88540.000	
		88470.000		88500.000		88530.000		88560.000	
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		89410.000		89440.000		89470.000		89500.000	
		89430.000		89460.000		89490.000		89520.000	
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		89490.000		89520.000		89550.000		89580.000	
		89510.000		89540.000		89570.000		89600.000	
		89530.000		89560.000		89590.000		89620.000	
		89550.000		89580.000		89610.000		89640.000	
		89570.000		89600.000		89630.000		89660.000	
		89590.000		89620.000		89650.000		89680.000	
		89610.000		89640.000		89670.000		89700.000	
		89630.000		89660.000		89690.000		89720.000	
		89650.000		89680.000		89710.000		89740.000	
		89670.000		89700.000		89730.000		89760.000	
		89690.000		89720.000		89750.000		89780.000	
		89710.000		89740.000		89770.000		89800.000	
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		90150.000		90180.000		90210.000		90240.000	
		90170.000		90200.000		90230.000		90260.000	
		90190.000		90220.000		90250.000		90280.000	
		90210.000		90240.000		90270.000		90300.000	
		90230.000		90260.000		90290.000		90320.000	
		90250.000		90280.000		90310.000		90340.000	
		90270.000		90300.000		90330.000		90360.000	
		90290.000		90320.000		90350.000		90380.000	
		90310.000		90340.000		90370.000		90400.000	
		90330.000		90360.000		90390.000		90420.000	
		90350.000		90380.000		90410.000		90440.000	
		90370.000		90400.000		90430.000		90460.000	
		90390.000		90420.000		90450.000		90480.000	
		90410.000		90440.000		90470.000		90500.000	
		90430.000		90460.000		90490.000		90520.000	
		90450.000		90480.000		90510.000		90540.000	
		90470.000		90500.000		90530.000		90560.000	
		90490.000		90520.000		90550.000		90580.000	
		90510.000		90540.000		90570.000		90600.000	
		90530.000		90560.000		90590.000		90620.000	
		90550.000		90580.000		90610.000		90640.000	
		90570.000		90600.000		90630.000		90660.000	
		90590.000		90620.000		90650.000		90680.000	
		90610.000		90640.000		90670.000		90700.000	
		90630.000		90660.000		90690.000		90720.000	
		90650.000		90680.000		90710.000		90740.000	
</									

LONGITUDINAL PROFILE ALONG SIDING CL
SCALE 1:1000H 1:100V



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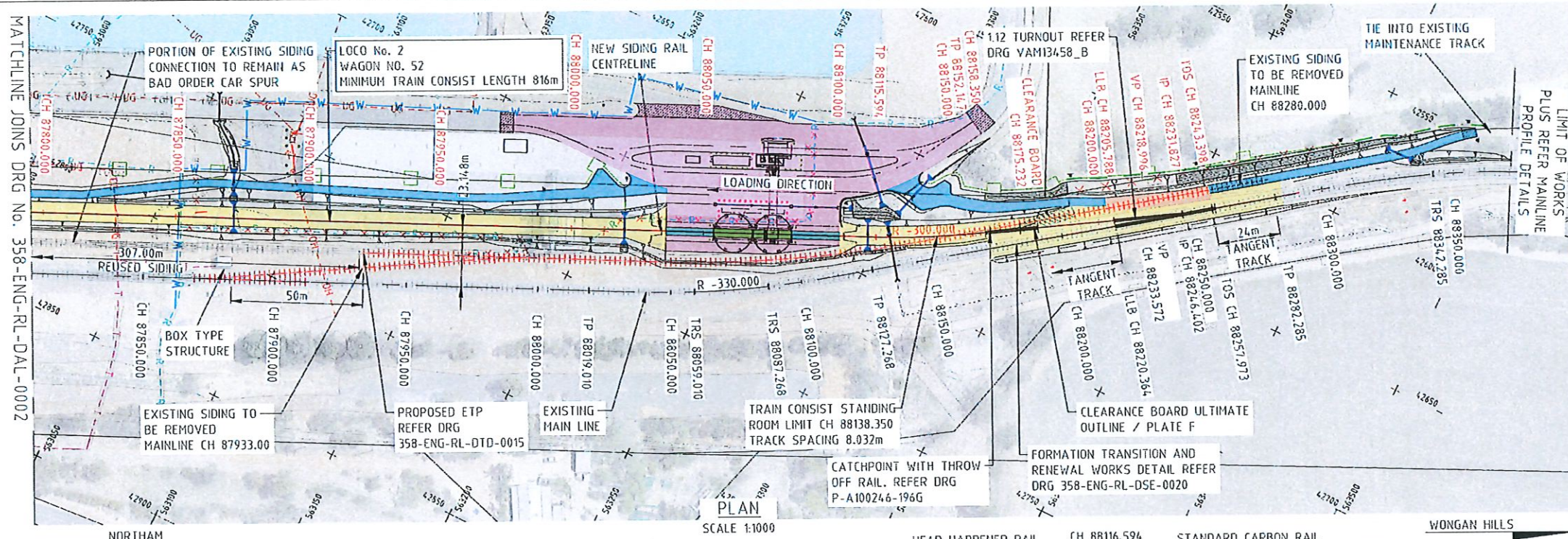
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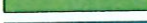
BGSE Project No. PE22014



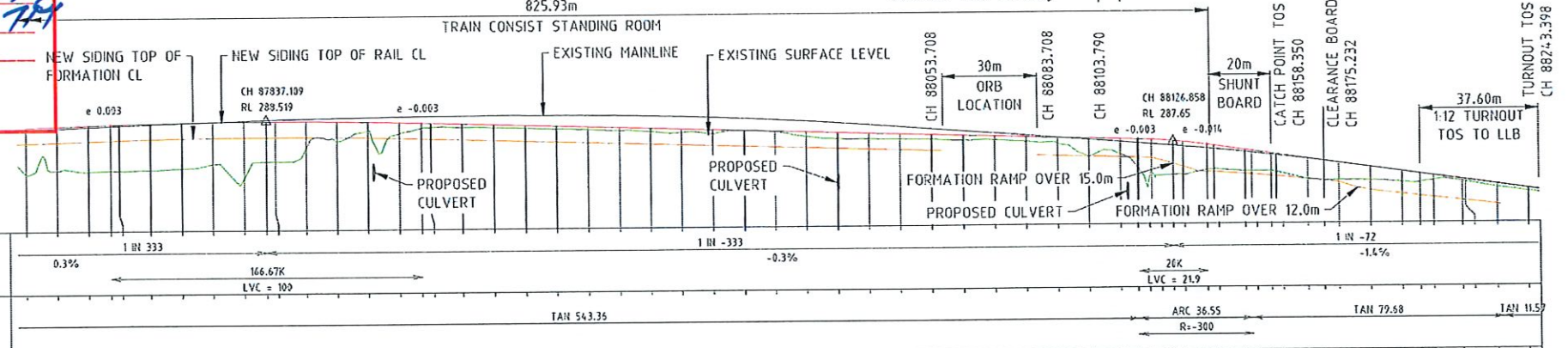
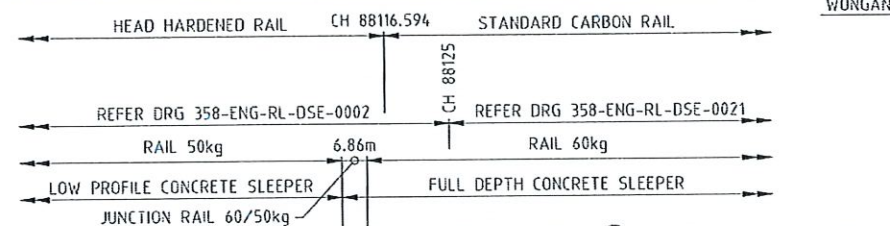
									SCALE 1:1000H, 1:100V	DRAWN	AS	27.10.23
		E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TD	HS	A1	DESIGN	JH	27.10.23	
		D	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TD	HS		DESIGNED	SDB	27.10.23	
		C	23.08.23	ISSUED FOR 85% CLIENT REVIEW	AL	JH	HS		DESIGN APPROV	JH	27.10.23	
		B	01.05.23	ISSUED FOR 65% CLIENT REVIEW	JH	DPK	HS		DESIGN APPROV	JH	27.10.23	
		A	16.12.22	ISSUED FOR 30% CLIENT REVIEW	LJ	DPK	HS	CONTRACT NO	PROJECT REF	PB	27.10.23	
REF DRAWING NO.	REFERENCE DRAWING TITLE	REV	DATE	REVISION DESCRIPTION	BY	CHKD	APP'D	CW9951				

TITLE KONNONGORRING FIXED RAIL LOADING FACILITY RAIL AND CIVIL SIDING PLAN AND PROFILE SHEET 2 OF 2		
CDR No 358-ENG-RL-DAL-0003	SHEET 2 OF 2	REV. E

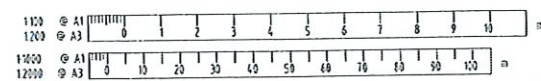


- | | |
|---|------------------------------------|
|  | CADASTRAL BOUNDARY |
| CH 87201.248 | EXISTING MAINLINE CHAINAGES |
|  | EXISTING MAIN LINE/SIDING |
|  | RAIL TO BE REMOVED |
|  | PROPOSED CULVERT WITH HEADWALL |
| CH 87790.000 | PROPOSED SIDING CHAINAGES |
|  | PROPOSED SIDING/MAINLINE ALIGNMENT |
|  | MAINTENANCE/CONSTRUCTION PAD |
|  | BALLAST TRACK |
|  | CBH ACCESS ROAD |
|  | SLAB TRACK |
|  | ASPHALT TRACK |
|  | MAINTENANCE ACCESS TRACK |
|  | BALLAST ARRESTOR BED |
-
- | | |
|---|--------------------------------|
| LONGITUDINAL PROFILE LEGEND | |
|  | TOP OF SIDING LOW RAIL AT CL. |
|  | TOP OF FORMATION DESIGN AT CL. |
|  | EXISTING MAIN LINE |
|  | EXISTING SURFACE LEVEL |

DATE: 16/11/2023
REF: RESOLUTION 7-A
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER
NOTE: DEVELOPMENT APPROVAL DOES NOT
CONSTITUTE A BUILDING PERMIT

[illegible]

LONGITUDINAL PROFILE ALONG SIDING CL
SCALE 1:1000H 1:100V



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REF. DRAWING No.	REFERENCE DRAWING TITLE

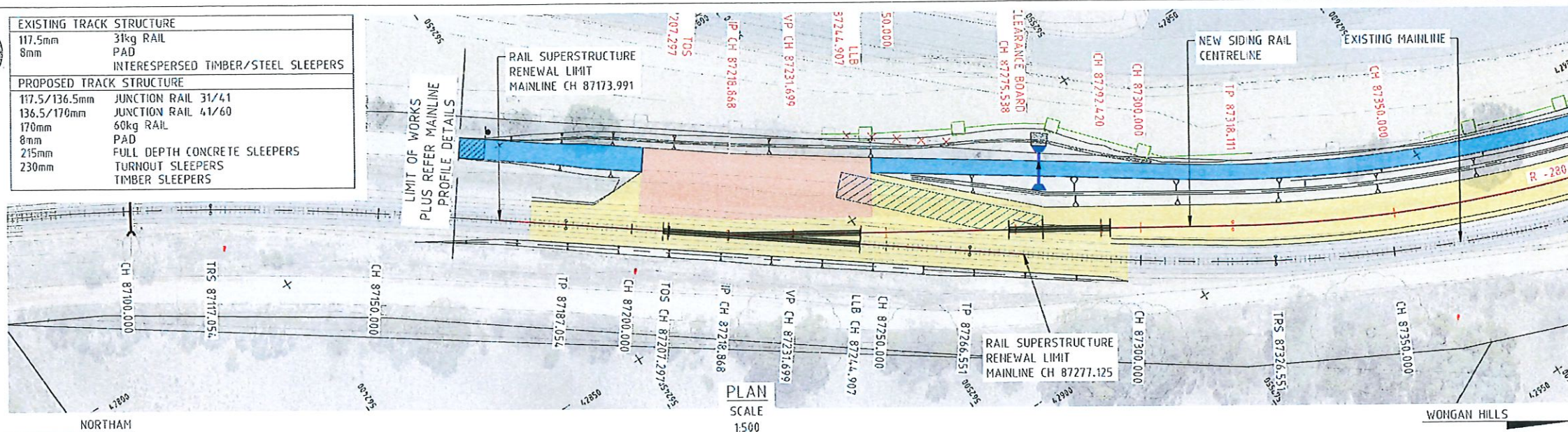
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D	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AC	TD	16
C	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JL	JH	16
B	01.05.23	ISSUED FOR 60% CLIENT REVIEW	LH	OPR	16
A	16.12.22	ISSUED FOR 30% CLIENT REVIEW	HH	OPR	16
REV	DATE	REVISION DESCRIPTION	BY	CHKD	APP

1100GH, 1100V	DRXN	AS	21.10.23
5-CEL	DECEL	JH	27.10.23
A1	DECOED	SGB	27.10.23
PROJET	DECO AFIR	JH	27.10.23
KONNONGORRING	PROJET AFIR	F8	27.10.23
CONTRACT No			
EW9951			

KUNNINGURKING FIXED RAIL LOADING FACILITY RAIL AND CIVIL SIDING PLAN AND PROFILE SHEET 2 OF 2		
C&G No.	SHEET	REV.
358-ENG-RL-DAL-0003	2 OF 2	E



EXISTING TRACK STRUCTURE	
117.5mm	31kg RAIL
8mm	PAD
INTERSPERSED TIMBER/STEEL SLEEPERS	
PROPOSED TRACK STRUCTURE	
117.5/136.5mm	JUNCTION RAIL 31/41
136.5/170mm	JUNCTION RAIL 41/60
170mm	60kg RAIL
8mm	PAD
215mm	FULL DEPTH CONCRETE SLEEPERS
230mm	TURNOUT SLEEPERS
	TIMBER SLEEPERS



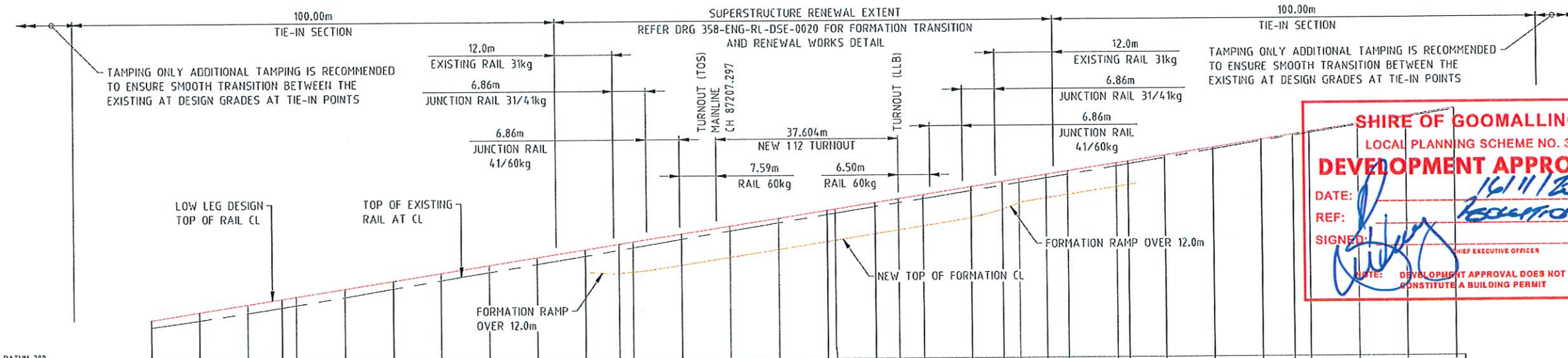
LEGEND	
—	CADASTRAL BOUNDARY
CH 87201.248	EXISTING MAINLINE CHAINAGES
=====	EXISTING MAIN LINE/SIDING
=====	RAIL TO BE REMOVED
=====	PROPOSED CULVERT WITH HEADWALLS
CH 87790.000	PROPOSED SIDING CHAINAGES
=====	PROPOSED SIDING/MAINLINE ALIGNMENT
=====	MAINTENANCE/CONSTRUCTION PAD
=====	BALLAST TRACK
=====	CBH ACCESS ROAD
=====	SLAB TRACK
=====	ASPHALT TRACK
=====	MAINTENANCE ACCESS TRACK
=====	BALLAST ARRESTOR BED

LONGITUDINAL PROFILE LEGEND	
-----	TOP OF DESIGN RAIL AT CL.
-----	TOP OF EXISTING RAIL AT CL.
-----	TOP OF FORMATION DESIGN AT CL.

DRAWING NOTES

- ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
- REFER TO DRG No. 358-ENG-RL-DGA-0001 AND 358-ENG-RL-DGA-0002 FOR GENERAL NOTES.
- FOR TRACK STRUCTURE COMPONENTS ALONG SIDING REFER TO THE FOLLOWING:
60kg RAIL - 170mm
50kg RAIL - 154mm
JUNCTION RAIL 60/50 - 170/154mm
RAIL PAD - 8mm
FULL DEPTH CONCRETE SLEEPERS - 215mm
LOW PROFILE CONCRETE SLEEPERS - 155mm
- FOR TRACK STRUCTURE COMPONENTS ALONG MAINLINE REFER TO THE FOLLOWING:
60kg RAIL - 170mm
JUNCTION RAIL 60/41 - 170/136.5mm
JUNCTION RAIL 41/31 - 136.5/117.5mm
EXISTING 31kg RAIL
RAIL PAD - 8mm
FULL DEPTH CONCRETE SLEEPERS - 215mm
EXISTING TIMBER SLEEPERS
EXISTING STEEL SLEEPERS
TURNOUTS AND CATCHPOINTS TO BE MANUFACTURED FROM HEAD HARDENED RAIL
JUNCTION RAILS TO BE MANUFACTURED FROM STANDARD CARBON.
- TOP OF FORMATION LEVEL IS ONLY PROVIDED IN THE SECTIONS WHERE THERE ARE CHANGES IN THE EXISTING FORMATION. IF NO INFORMATION IS PROVIDED, TOP OF FORMATION IS AS EXISTING.
- DESIGN BALLAST DEPTH IS ONLY PROVIDED IN THE SECTIONS WHERE THERE ARE CHANGES IN THE EXISTING BALLAST DEPTH. IF NO INFORMATION IS PROVIDED, BALLAST DEPTH IS AS EXISTING (ADDING THE PROPOSED LIFT).

SURVEY	
COORDINATE REFERENCE SYSTEM:	MGA94 ZONE 50
HEIGHT DATUM:	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR:	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES



SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 16/11/2023
REF: RESOLUTION 79
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER
NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT

VERTICAL GRADE	
VERTICAL CURVE	
HORIZONTAL ALIGNMENT	
HORIZONTAL RADIUS	
CANT	
LOW LEG DESIGN	
TOP OF RAIL AT CL	
TOP OF EXISTING RAIL LEVEL AT CL	
TOP OF FORMATION (TOP) LEVEL AT CL	
TRACK LIFT (mm)	(-LOWER / +HIGHER)
TRACK SLEW (mm)	(-LEFT / +RIGHT)
BALLAST DEPTH	
CHAINAGE	

LONGITUDINAL PROFILE ALONG SIDING CL
SCALE 1:500H 1:50V

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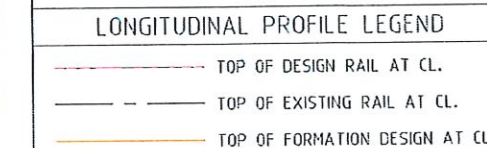
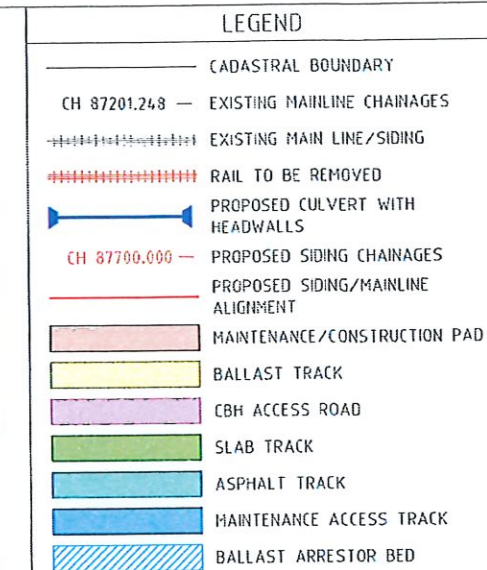
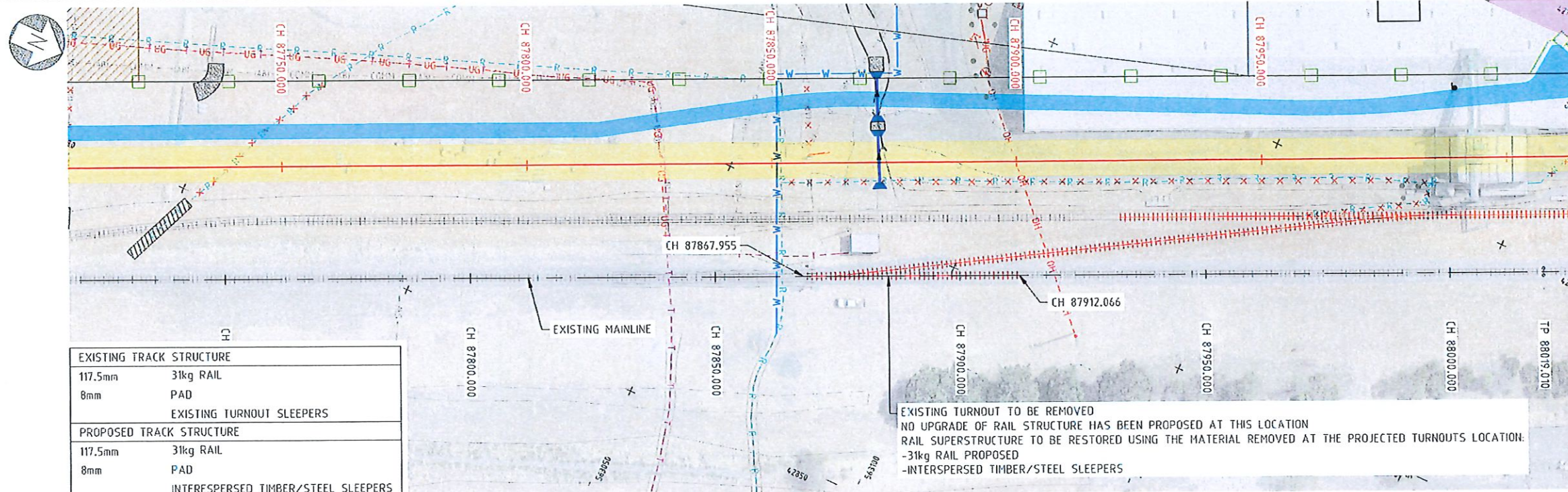


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BGE Project No. PE22814

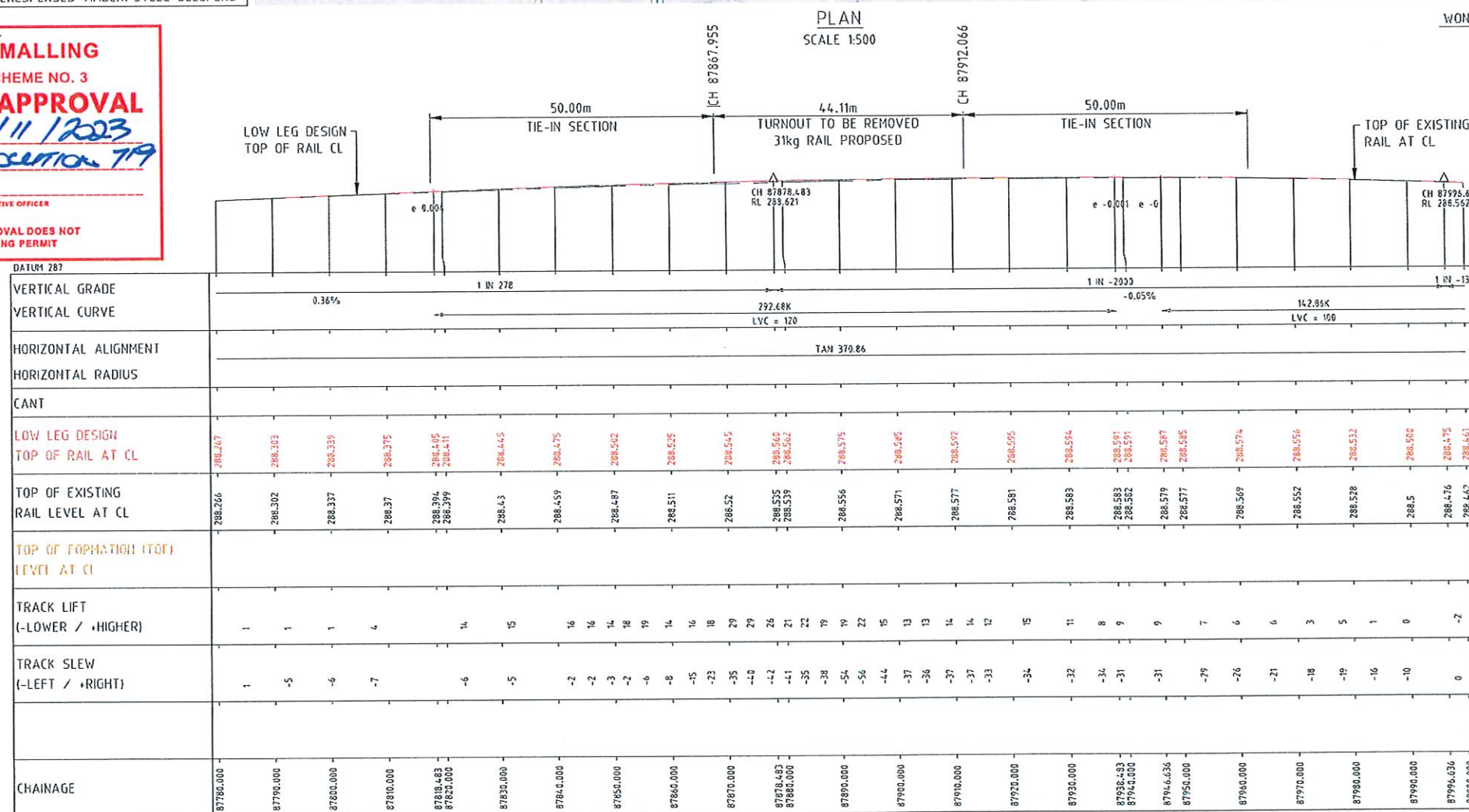


REV	DATE	REVISION DESCRIPTION	BY	CHKD	APP'D
E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	MS
D	23.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	MS
C	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JK	JH	MS
B	01.05.23	ISSUED FOR 65% CLIENT REVIEW	JH	DJR	MS
A	15.12.22	ISSUED FOR 35% CLIENT REVIEW	LJ	DFR	MS

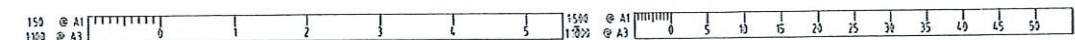
KONNONGORRING FIXED RAIL LOADING FACILITY RAIL AND CIVIL MAINLINE PLAN AND PROFILE SHEET 1 OF 3	
358-ENG-RL-DAL-0004	1 OF 3
E	



- DRAWING NOTES**
- ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
 - REFER TO DRG No. 358-ENG-RL-DGA-0001 AND 358-ENG-RL-DGA-0002 FOR GENERAL NOTES.
 - FOR TRACK STRUCTURE COMPONENTS ALONG SIDING REFER TO THE FOLLOWING:
60kg RAIL - 170mm
50kg RAIL - 154mm
JUNCTION RAIL 60/50 - 170/154mm
RAIL PAD - 8mm
FULL DEPTH CONCRETE SLEEPERS - 215mm
LOW PROFILE CONCRETE SLEEPERS - 155mm
 - FOR TRACK STRUCTURE COMPONENTS ALONG MAINLINE REFER TO THE FOLLOWING:
60kg RAIL - 170mm
JUNCTION RAIL 60/41 - 170/136.5mm
JUNCTION RAIL 41/31 - 136.5/117.5mm
EXISTING 31kg RAIL
RAIL PAD - 8mm
FULL DEPTH CONCRETE SLEEPERS - 215mm
EXISTING TIMBER SLEEPERS
EXISTING STEEL SLEEPERS
 - TURNOUTS AND CATCHPOINTS TO BE MANUFACTURED FROM HEAD HARDENED RAIL JUNCTION RAILS TO BE MANUFACTURED FROM STANDARD CARBON.
 - TOP OF FORMATION LEVEL IS ONLY PROVIDED IN THE SECTIONS WHERE THERE ARE CHANGES IN THE EXISTING FORMATION. IF NO INFORMATION IS PROVIDED, TOP OF FORMATION IS AS EXISTING.
 - DESIGN BALLAST DEPTH IS ONLY PROVIDED IN THE SECTIONS WHERE THERE ARE CHANGES IN THE EXISTING BALLAST DEPTH. IF NO INFORMATION IS PROVIDED, BALLAST DEPTH IS AS EXISTING (ADDING THE PROPOSED LIFT).



LONGITUDINAL PROFILE ALONG SIDING CL
SCALE 1:500H 1:50V



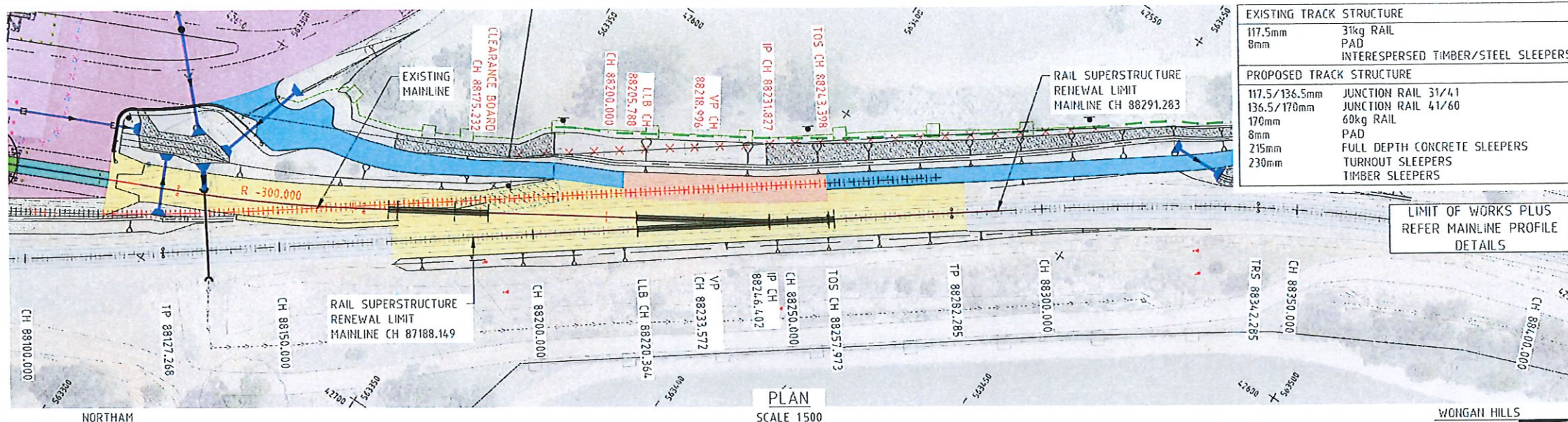
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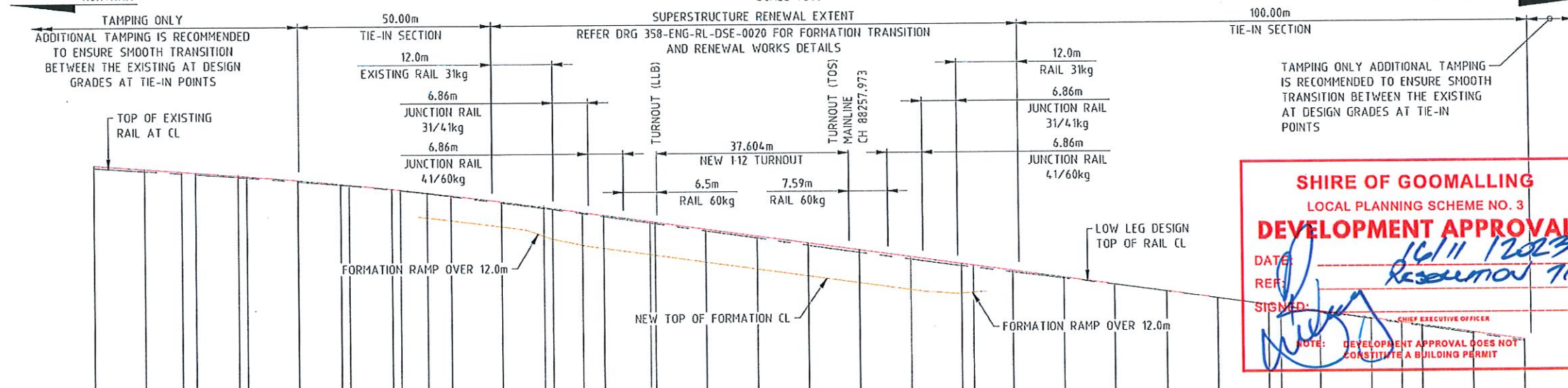
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REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD	SCALE	DRAWN	AS	DATE	FILE
E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	18	MB	1:500H, 1:50V	AS	AS	27.10.23	KONNONGORRING
D	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	18	MB		DESIGNED	JH	27.10.23	FIXED RAIL LOADING FACILITY
C	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JC	JH	MB	A1	DESIGNED	SDB	27.10.23	RAIL AND CIVIL
B	01.05.23	ISSUED FOR 60% CLIENT REVIEW	JH	OPR	MB	PROJECT KONNONGORRING	DESIGN APPR	JH	27.10.23	MAINLINE PLAN AND PROFILE SHEET 2 OF 3
A	16.12.22	ISSUED FOR 30% CLIENT REVIEW	LJ	OPR	MB	CONTRACT NO. CW9951	PROJECT APPR	MB	27.10.23	358-ENG-RL-DAL-0005



EXISTING TRACK STRUCTURE	
117.5mm	31kg RAIL
8mm	PAD
	INTERSPERSED TIMBER/STEEL SLEEPERS
PROPOSED TRACK STRUCTURE	
117.5/136.5mm	JUNCTION RAIL 31/41
136.5/170mm	JUNCTION RAIL 41/60
170mm	60kg RAIL
8mm	PAD
215mm	FULL DEPTH CONCRETE SLEEPERS
230mm	TURNOUT SLEEPERS
	TIMBER SLEEPERS



SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 16/11/2023
REF: Resolution 7.9
SIGNED: [Signature]
NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT

VERTICAL GRADE	1 IN -133	93.03K	1 IN -72	201.54K
VERTICAL CURVE	-0.75%	LVC = 60	-1.39%	LVC = 59.97
HORIZONTAL ALIGNMENT	L40	TAN 155.02	L60	ARC 252.11
HORIZONTAL RADIUS				R=311.8
CANT				
LOW LEG DESIGN				
TOP OF RAIL AT CL	287.112	287.637	287.554	287.583
TOP OF EXISTING RAIL LEVEL AT CL	287.666	287.6	287.554	287.583
TOP OF FORMATION (TOP) LEVEL AT CL	287.666	287.6	287.554	287.583
TRACK LIFT (-LOWER / +HIGHER)	-4.5	4.3	32	25
TRACK SLEW (-LEFT / +RIGHT)	70	95	112	109
BALLAST DEPTH				
CHAINAGE	8810.000	88120.000	88127.268	88138.000

LONGITUDINAL PROFILE ALONG SIDING CL
SCALE 1:500H 1:50V

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BG & E

BG&E Project No. PE22016

REV	DATE	REVISION DESCRIPTION
D	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW
C	23.09.23	ISSUED FOR 100% CLIENT REVIEW
B	23.09.23	ISSUED FOR 85% CLIENT REVIEW
A	01.05.23	ISSUED FOR 60% CLIENT REVIEW

SCALE 1:500H, 1:50V

A1

CONTRACT NO. C/W9951

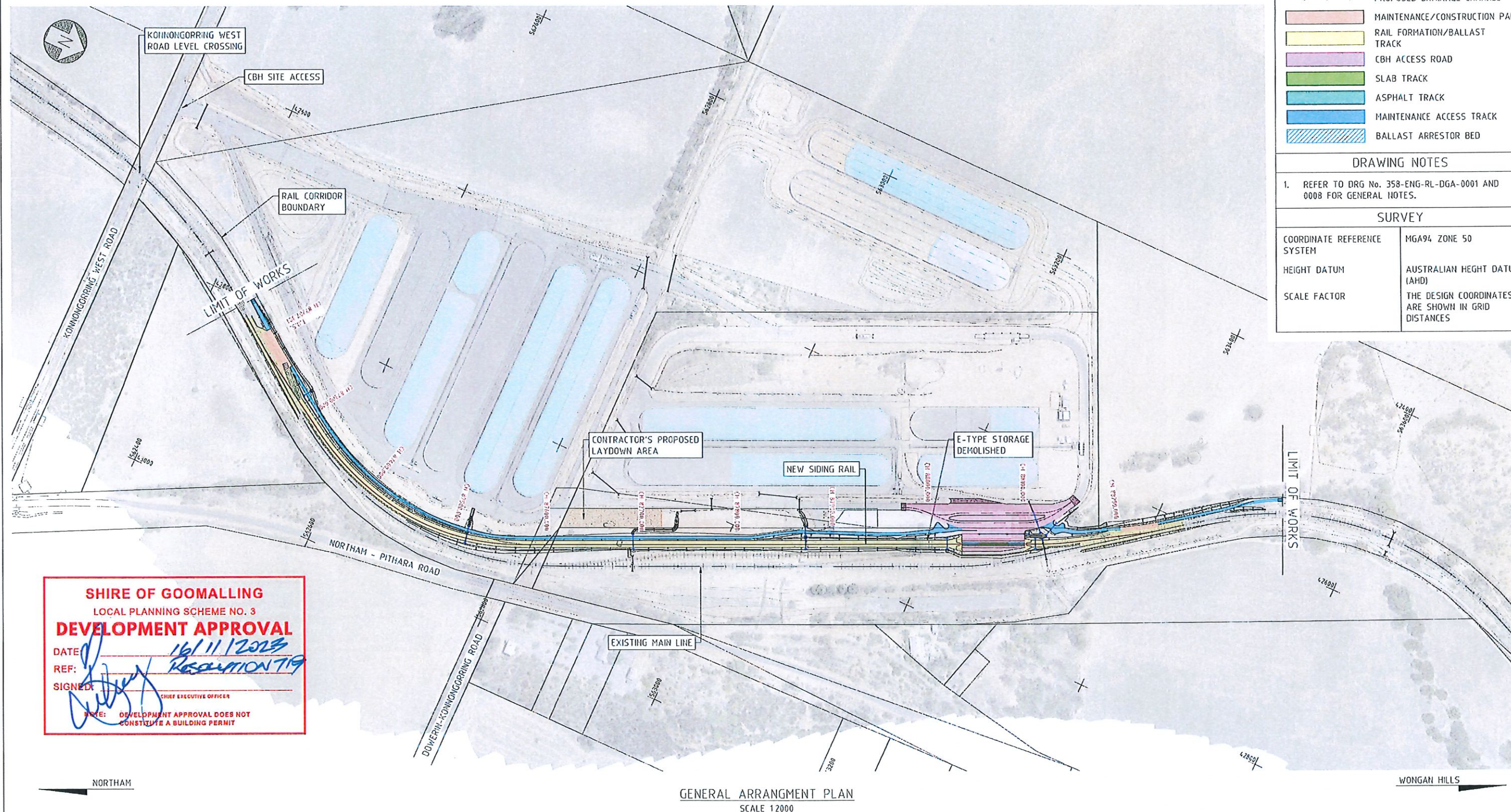
DESIGN	AS	27.10.23
CHECKED	JH	27.10.23
DESIGNED	SDB	27.10.23
DESIGN APPROV	JH	27.10.23
PROJECT APPROV	MB	27.10.23

KONNONGORRING
FIXED RAIL LOADING FACILITY
RAIL AND CIVIL
MAINLINE PLAN AND PROFILE SHEET 3 OF 3

358-ENG-RL-DAL-0010

3 OF 3

REV. D



LEGEND

- CADASTRAL BOUNDARY
- PROPOSED CULVERT WITH HEADWALLS
- CH 87350.000 — NEW SIDING CHAINAGES
- PROPOSED DRAINAGE CHANNEL
- MAINTENANCE/CONSTRUCTION PAD
- RAIL FORMATION/BALLAST TRACK
- CBH ACCESS ROAD
- SLAB TRACK
- ASPHALT TRACK
- MAINTENANCE ACCESS TRACK
- BALLAST ARRESTOR BED

DRAWING NOTES

1. REFER TO DRG No. 358-ENG-RL-DGA-0001 AND 0008 FOR GENERAL NOTES.

SURVEY

COORDINATE REFERENCE SYSTEM	MG84 ZONE 50
HEIGHT DATUM	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 16/11/2023
REF: RESOLUTION T19
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER
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--	--	---	--	--	--	---	--	--	--	--------------------------------	--	---	--	--	--	--	--	--------------	--	--------	--

A cross-sectional diagram of a new siding structure. The diagram shows a central raised section with a top layer labeled 'NEW SIDING' and a 'TOP OF RAIL (TOR) REFERENCE POINT' indicated by a vertical line. Below the siding is a layer of 'SUB-BALLAST CAPPING' with a 3% slope on both sides. The base consists of 'SUBGRADE 600mm TYPE 2 SUBGRADE MATERIAL PER ARC SPEC W880-400-014 OR BGER AMENDED SPEC AS PER 358-3057-CI-RPT-0001'. The outer slopes are labeled 'BATTER SLOPE TO BE DETERMINED ACCORDING TO THE TYPE OF MATERIAL' and 'VARIES'. A dashed line represents the 'EXISTING SURFACE LEVEL'. A note at the bottom left states 'FOUNDATION ASSESSMENT AS PER GENERAL EARTHWORKS NOTES'. Slopes are indicated with 2:1 and 3% ratios.

EXISTING ELECTRICAL TRANSFORMER CABINET TO REMAIN AND BE PROTECTED

1000

3000 MIN. ACCESS TRACK

5157 CLEARANCE

500 (TYP.) 50 MIN.

NEW BOLLARD

EXISTING SURFACE LEVEL

NEW SIDING

TOP OF RAIL (TOR) REFERENCE POINT

EXISTING BLUE METAL

2 MAX. 1

3%

3%

2 1

The diagram illustrates a cross-section of a proposed road structure. Key components and labels include:

- NEW SIDING**: Indicated by a vertical line at the top center of the road structure.
- TOP OF RAIL (TOR) REFERENCE POINT**: A point on the new siding, marked with a small circle.
- SUB-BALLAST CAPPING**: A layer below the ballast, indicated by a vertical line.
- 3%**: Slope percentages on both sides of the road structure.
- EXISTING SURFACE LEVEL**: A dashed line on the right side, indicating the ground level before construction.
- FOUNDATION ASSESSMENT AS PER GENERAL EARTHWORKS NOTES**: A label pointing to the base of the road structure.
- SUBGRADE 600mm**: A label pointing to the base layer of the road structure.
- TYPE 2 SUBGRADE MATERIAL**: A label pointing to the layer above the subgrade.
- PER ARC SPEC W880-400-014**: A label pointing to the layer above the subgrade material.
- OR BGER AMENDED SPEC AS**: A label pointing to the layer above the subgrade material.
- PER 358-3057-CI-RPT-0001**: A label pointing to the layer above the subgrade material.

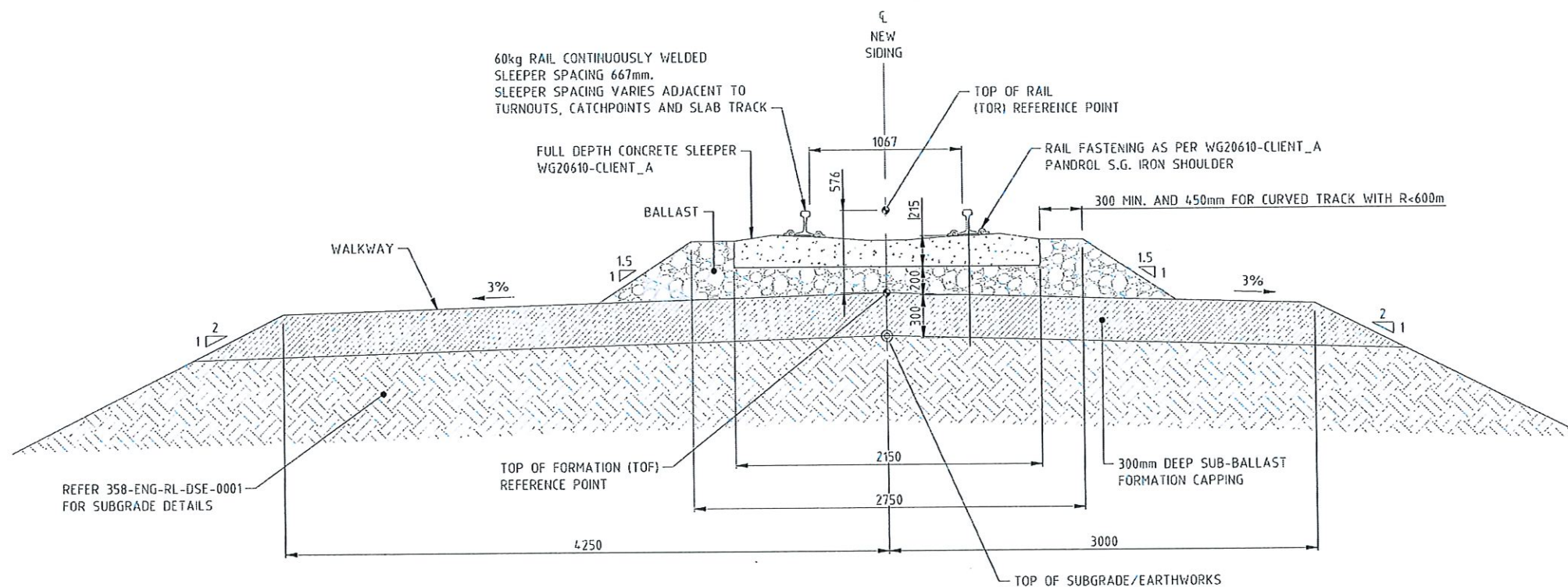
SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL

DATE: 16/11/2023
REF: RESOLUTION 719
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER

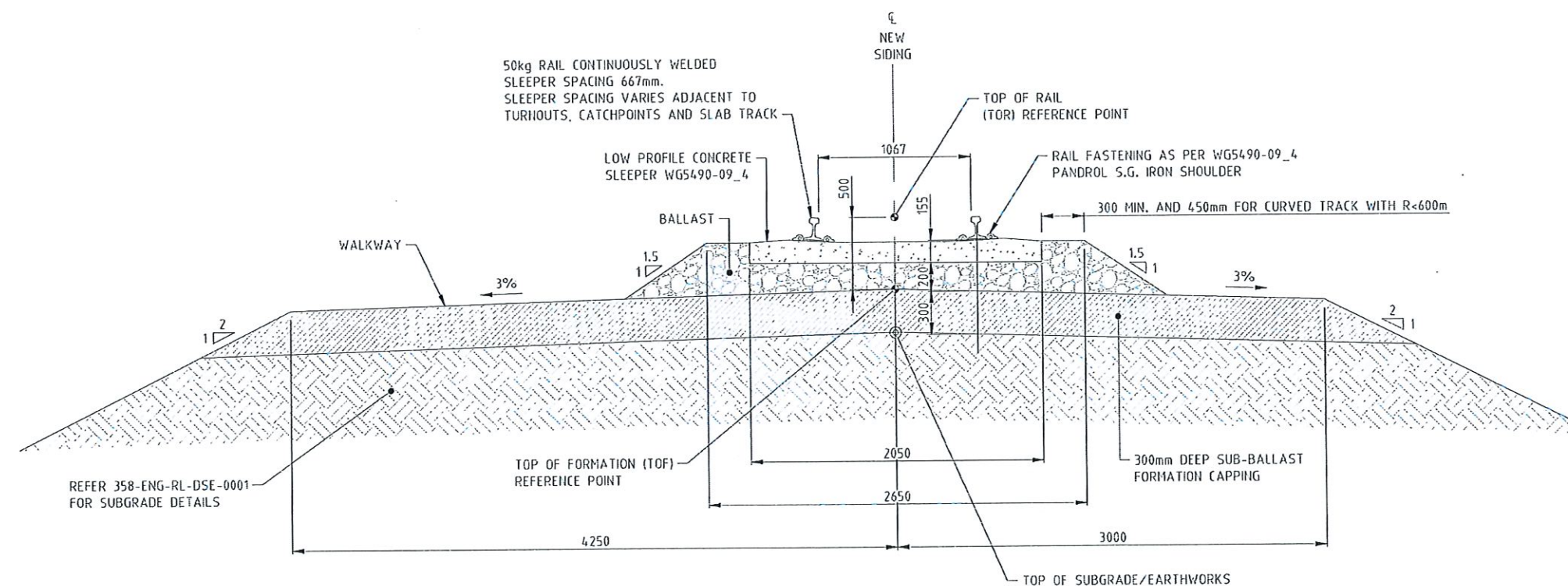
**NOTE: DEVELOPMENT APPROVAL DOES NOT
CONSTITUTE A BUILDING PERMIT**

DSE KONNONGORRING FIXED RAIL LOADING FACILITY RAIL AND CIVIL TYPICAL CROSS SECTIONS SHEET 1 OF 4			
CDS No	358-ENG-RL-DSE-0001	SHEET	1 OF 4
			REV. E

NOTE
ALL DIMENSIONS ARE IN MILLIMETRES (mm)
UNLESS NOTED OTHERWISE.



TYPICAL RAIL FORMATION SECTION 60kg/m
(SIDING SECTION ONLY)
SCALE 1:20



TYPICAL RAIL FORMATION SECTION 50kg/m
(SIDING SECTION ONLY)
SCALE 1:20



125 @ A1 1000 0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 mm

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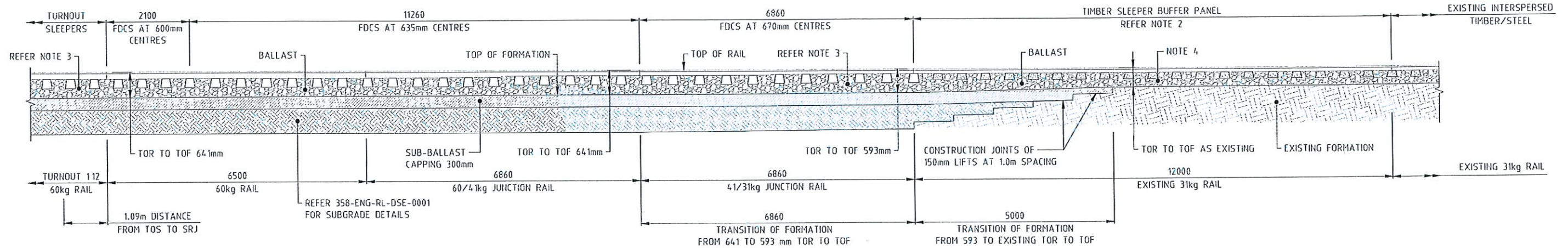


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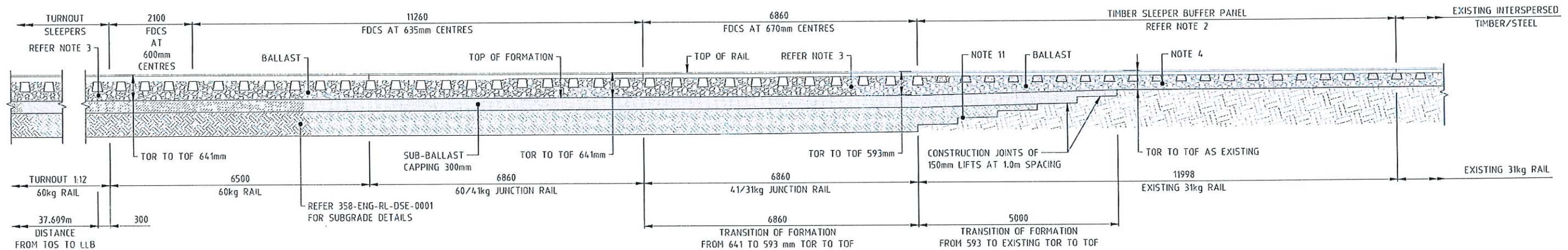
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E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB	1:20	DESIGN	AS	27.10.23	KONNONGORRING
D	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB	SHEET	DESIGN	TB	27.10.23	FIXED RAIL LOADING FACILITY
C	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JK	JH	HB	PROJECT	DESIGN	SDB	27.10.23	RAIL AND CIVIL
B	01.05.23	ISSUED FOR 65% CLIENT REVIEW	JH	EPR	HB	KONNONGORRING	DESIGN	JH	27.10.23	TYPICAL CROSS SECTIONS SHEET 2 OF 4
A	16.12.22	ISSUED FOR 30% CLIENT REVIEW	LJ	EPR	HB	CONTRACT NO	DESIGN	HB	27.10.23	358-ENG-RL-DSE-0002
			21	CHKD	APPD	CW9951	PRODUCT	HB	27.10.23	SHEET 2 OF 4

REV E



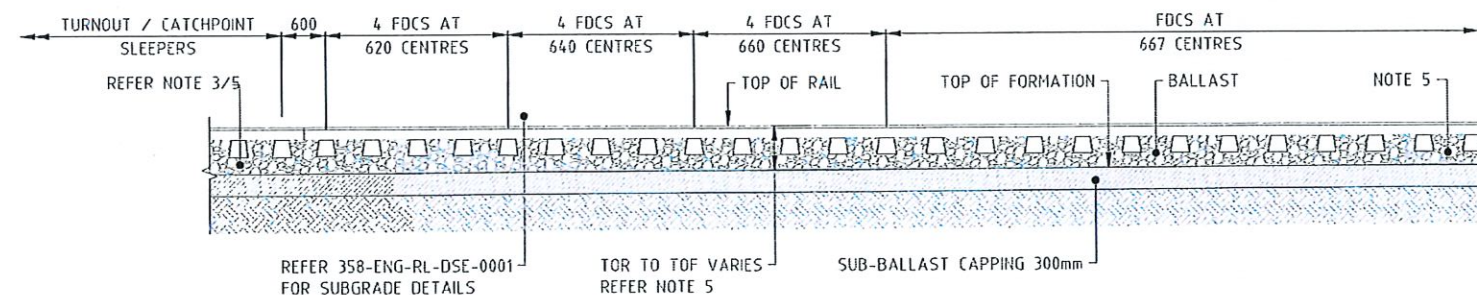
TYPICAL TRANSITION BETWEEN TURNOUT AND MAINLINE

TOS SIDE
SCALE 1:50



TYPICAL TRANSITION BETWEEN TURNOUT AND MAINLINE

LLB SIDE
SCALE 1:50



TYPICAL TRANSITION BETWEEN TURNOUT/CATCHPOINT AND SIDING

SCALE 1:50

NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- EXISTING SLEEPER SPACING TO BE ACHIEVED IN 12m BUFFER PANEL STARTING FROM 600mm BY TRANSITIONING IN 4m INTERVALS.
- MAINLINE: DESIGN BALLAST DEPTH UNDER RAIL 250mm.
- BALLAST DEPTH UNDER RAIL AS EXISTING.
- SIDING: DESIGN BALLAST DEPTH UNDER RAIL MINIMUM 200mm. BALLAST DEPTH VARIES ACCORDING TO ONE SIDE 3% CROSSFALL DRAINAGE. REFER DRG 358-ENG-RL-DSE-0021.
- FDCS DEPTH UNDER RAIL: 215mm
- TURNOUTS SLEEPERS DEPTH UNDER RAIL: 230mm
- TIMBER SLEEPERS DEPTH AS EXISTING.
- SLEEPER SPACING TO BE LOCALLY ADJUSTED TO POSITION WELD LOCATION IN THE CENTER OF THE BAY.
- SLEEPER SPACING TO BE LOCALLY ADJUSTED TO ALLOW TRANSITION FROM 600mm TO 667mm.
- KEY IN WITH EXISTING FORMATION LOCATION IS INDICATIVE. REFER TO DRG 358-ENG-RL-DSE-0021.



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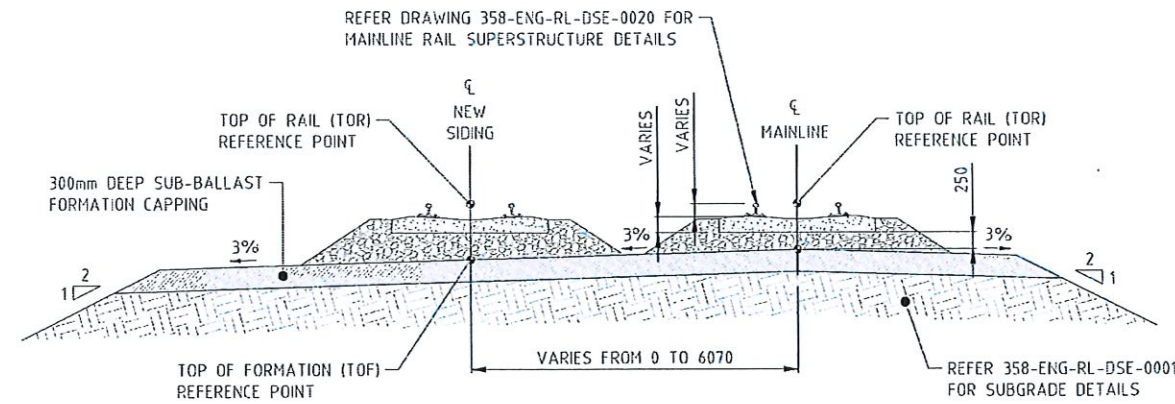
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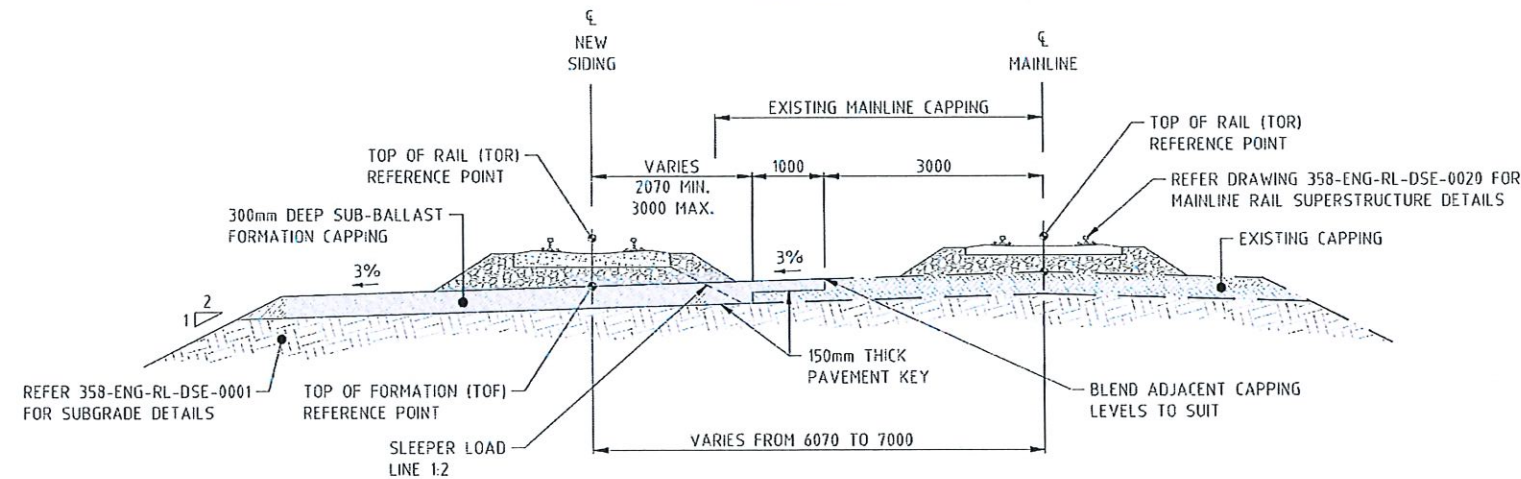
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C	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB	1:50	AS	AS	27.10.23	1	1	358-ENG-RL-DSE-0020	3 OF 4	C
B	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB	1:50	AS	AS	27.10.23	2	2	358-ENG-RL-DSE-0020	3 OF 4	C
A	23.03.23	ISSUED FOR 85% CLIENT REVIEW	JK	JH	HB	1:50	AS	AS	27.10.23	3	3	358-ENG-RL-DSE-0020	3 OF 4	C
REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD	SCALE	DRAWN	AS	27.10.23	4	4	358-ENG-RL-DSE-0020	3 OF 4	C

NOTE

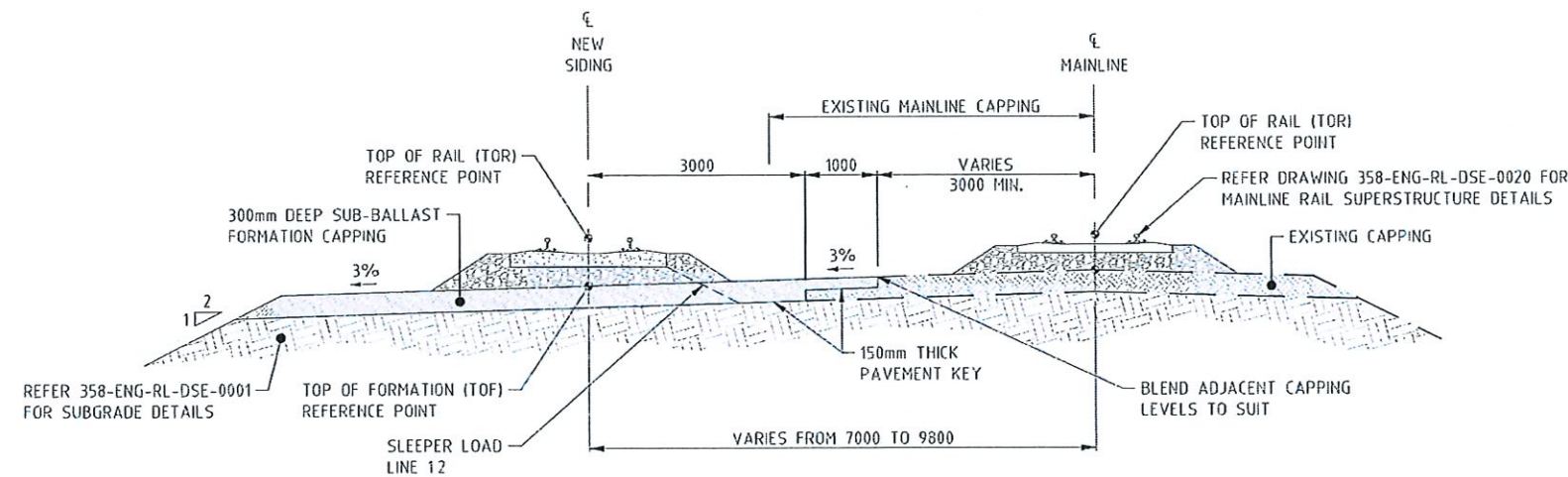
1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. REFER TO PROFILE DRG No's. 358-ENG-RL-DAL-0002, 0003 AND 0004 FOR SECTION EXTENTS.



TIE IN SIDING/MAINLINE
MAINLINE RENEWAL
SCALE 1:50



TIE IN SIDING/MAINLINE
MAINLINE SUBSTRUCTURE AS PER EXISTING
SCALE 1:50



TIE IN SIDING/MAINLINE
MAINLINE SUBSTRUCTURE AS PER EXISTING
SCALE 1:50

SHIRE OF GOOMALLING LOCAL PLANNING SCHEME NO. 3 DEVELOPMENT APPROVAL

DATE: 16/11/2023
REF: RESOLUTION 719
SIGNED: [Signature]
NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT

1:50 @ A1
1:100 @ A3

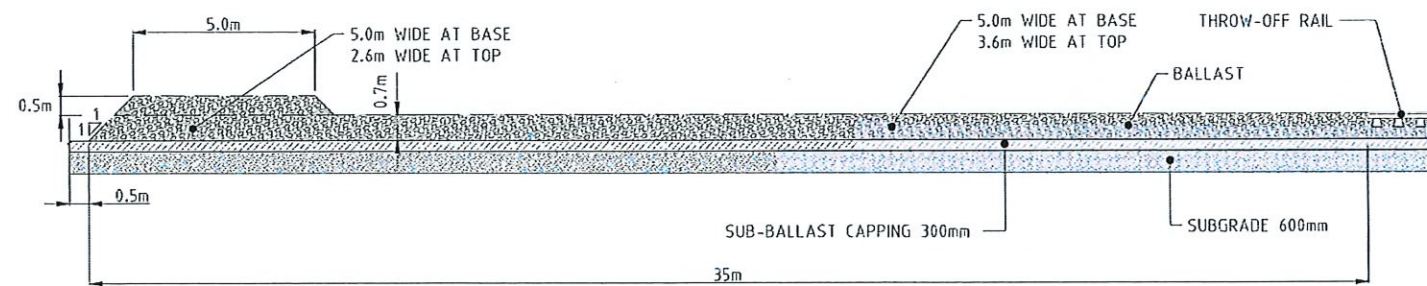
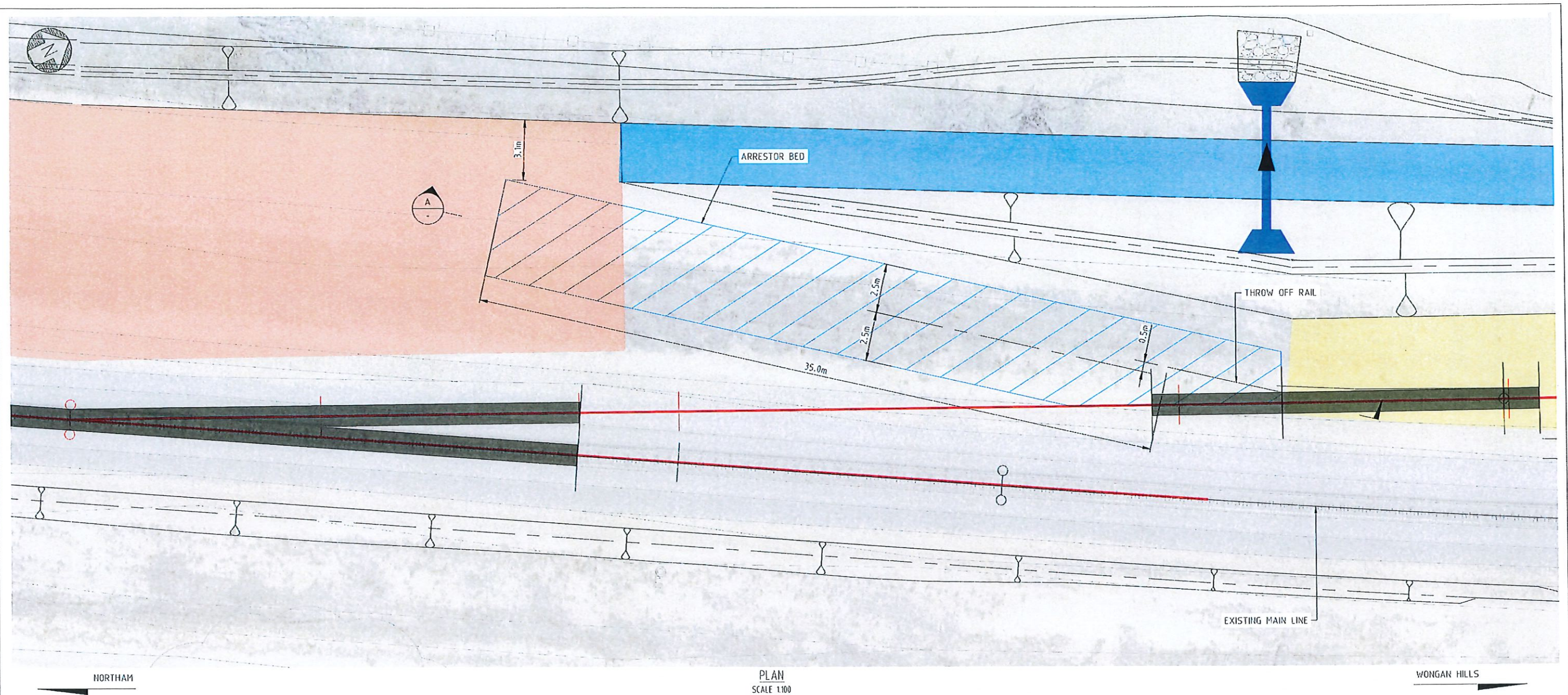
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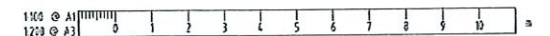
REV	DATE	REVISION DESCRIPTION	BY	CHK'D	APP'D	SCALE	DESIGN	AS	DATE	FILE	SHEET	REV.
C	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB	1:50	DESIGN	AS	27.10.23	KONNONGORRING	4	C
B	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB	A1	DESIGN	AS	27.10.23	FIXED RAIL LOADING FACILITY	4	C
A	23.09.23	ISSUED FOR 85% CLIENT REVIEW	AS	TB	HB	CONTRACT NO	DESIGN	AS	27.10.23	RAIL AND CIVIL	4	C
			AS	TB	HB	CONTRACT NO	DESIGN	AS	27.10.23	TYPICAL CROSS SECTIONS SHEET 4 OF 4	4	C
			AS	TB	HB	CONTRACT NO	DESIGN	AS	27.10.23	358-ENG-RL-DSE-0021	4	C



SOUTH END BALLAST ARRESTOR BED

SECTION A
SCALE 1:100

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LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 16/11/2023
REF: RESOLUTION 719
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER
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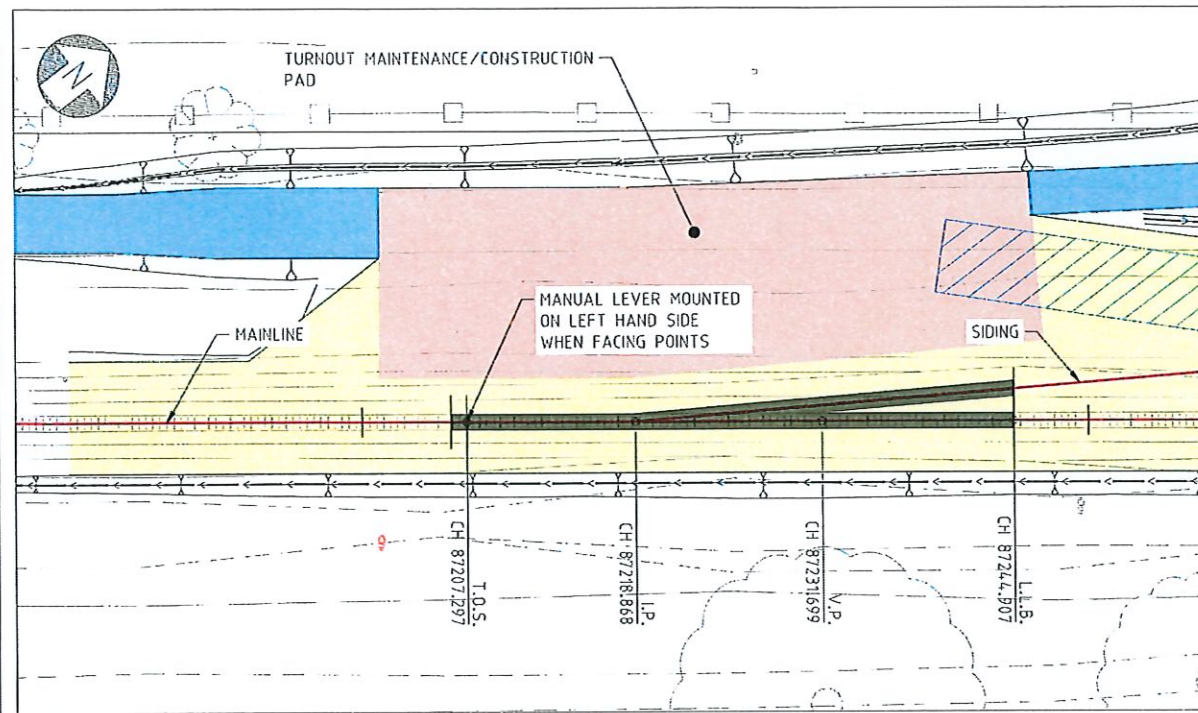
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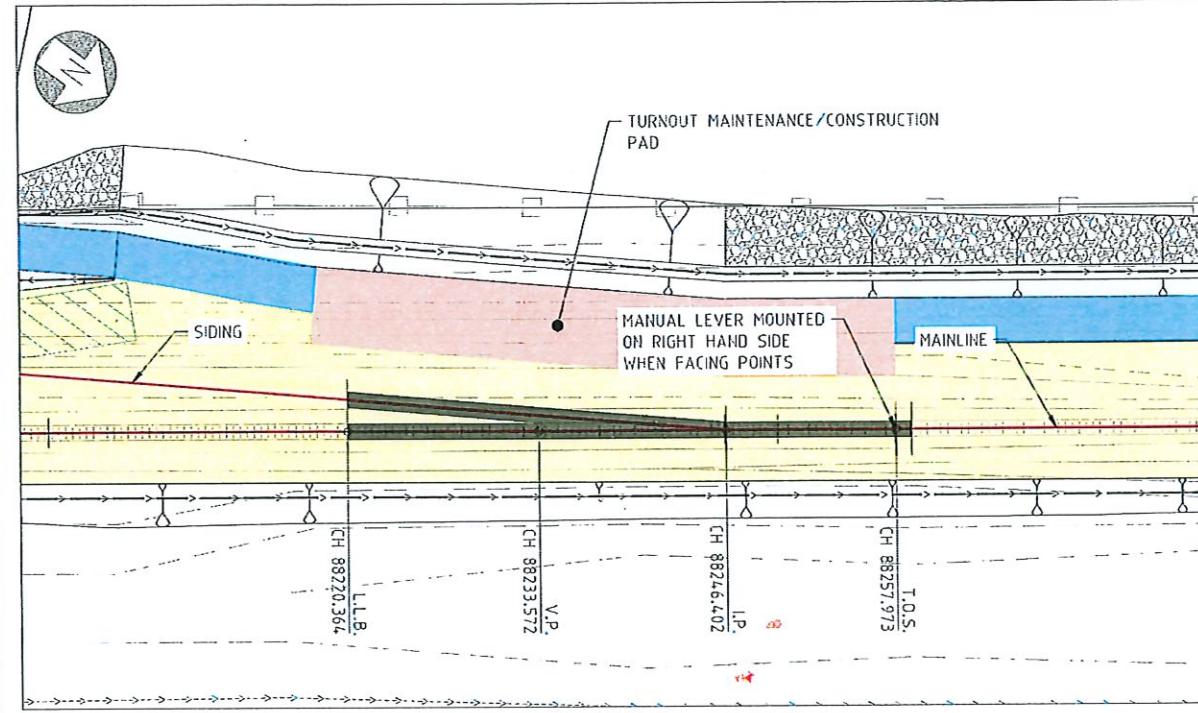
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REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD	SCALE	DRAWN	AS	DATE	TITLE	REV.
C	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	H3	1:100	AS		27.10.23	KONNONGORRING FIXED RAIL LOADING FACILITY RAIL AND CIVIL SOUTH END BALLAST ARRESTOR BED	
B	23.09.23	ISSUED FOR 10% CLIENT REVIEW	AS	TB	H3	A1	CHECKED	JH	27.10.23		
A	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JK	TR/JH	H3		DESIGNED	SDB	27.10.23		
							DESIGN APPR	JH	27.10.23		
							PROJECT APPR	YB	27.10.23		
										358-ENG-RL-DTD-0003	1 OF 1



PLAN - TURNOUT SOUTH
SCALE 1:250



PLAN - TURNOUT NORTH
SCALE 1:250

LEGEND

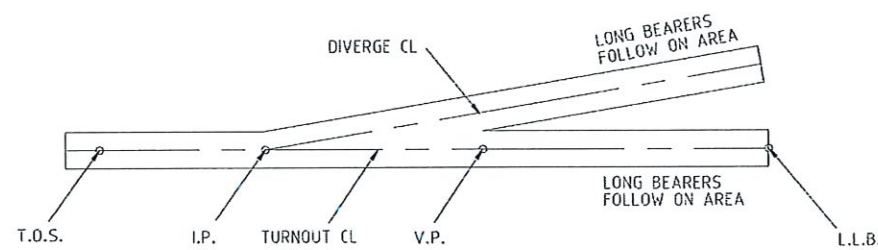
	CADASTRAL BOUNDARY
	NEW TURNOUT
T.O.S.	TOE OF SWITCH
I.P.	INTERSECTION POINT
L.L.B.	LAST LONG BEARER
V.P.	THEORETICAL POINT

DRAWING NOTES

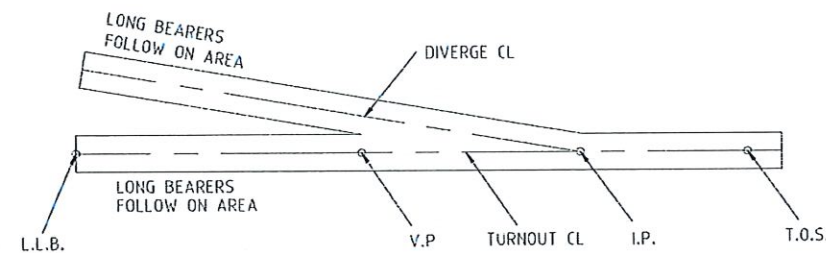
1. THESE SETOUT DETAILS ARE FOR TURNOUT INSTALLATION ONLY AND SHOULD BE READ IN CONJUNCTION WITH RAIL TOR, TOF AND TURNOUT INSTALLATIONS MANUALS.
2. CONTRACTOR TO VERIFY THE INS PRIOR TO CONSTRUCTION.
3. TURNOUTS TO BE INSTALLED AS PER VAM13458_B WITH ALL ASSOCIATED BEARERS, JEWELLERY AND CANT BEARERS.
4. CHAINAGE ARE INDICATIVE AND MUST NOT BE USED FOR TURNOUT INSTALLATION TURNOUTS MUST BE INSTALLED USING EASTING NORTHINGS AND LEVELS PROVIDED IN THIS DRAWINGS.

SURVEY

COORDINATE REFERENCE SYSTEM	MGA94 ZONE 50
HEIGHT DATUM	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES



TURNOUT SETOUT DIAGRAM SOUTH



TURNOUT SETOUT DIAGRAM NORTH

TURNOUT SCHEDULE AND SETOUT TABLE

TURNOUT ID	DES T.O.S CHAINAGE	TURNOUT ANGLE	HAND OF TURNOUT	SWITCH TYPE	RAIL SIZE (kg/m)	T.O.S.			I.P.			V.P.			L.L.B.			REFERENCE DRAWING
						EASTING	NORTHING	R.L.	EASTING	NORTHING	R.L.	EASTING	NORTHING	R.L.	EASTING	NORTHING	R.L.	
T/O SOUTH	87207.297	1 IN 12	L/HAND	RBM	60	42832.257	562468.687	282.594	42839.203	562477.994	282.897	42846.875	562488.279	282.989	42854.750	562498.828	283.205	VAM13458_b
T/O NORTH	88257.973	1 IN 12	R/HAND	RBM	60	42641.442	563378.075	281.744	42633.599	563388.702	281.932	42625.979	563399.027	282.120	42619.111	563408.337	282.762	VAM13458_b

TURNOUT DIMENSIONS

TURNOUT ID	TURNOUT ANGLE	S.R.J. TO T.O.S. (m)	T.O.S. TO I.P. (m)	I.P. TO V.P. (m)	V.P. TO L.L.B. (m)
T/O SOUTH	1 IN 12	1.090	11.570	12.826	13.213
T/O NORTH	1 IN 12	1.090	11.570	12.826	13.213

SHIRE OF GOOMALLING

LOCAL PLANNING SCHEME NO. 3

DEVELOPMENT APPROVAL

DATE: 16/11/2023

REF: RESOLUTION 719

SIGNED: [Signature] CHIEF EXECUTIVE OFFICER

NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT

1:250 @ A1 1500 @ A3

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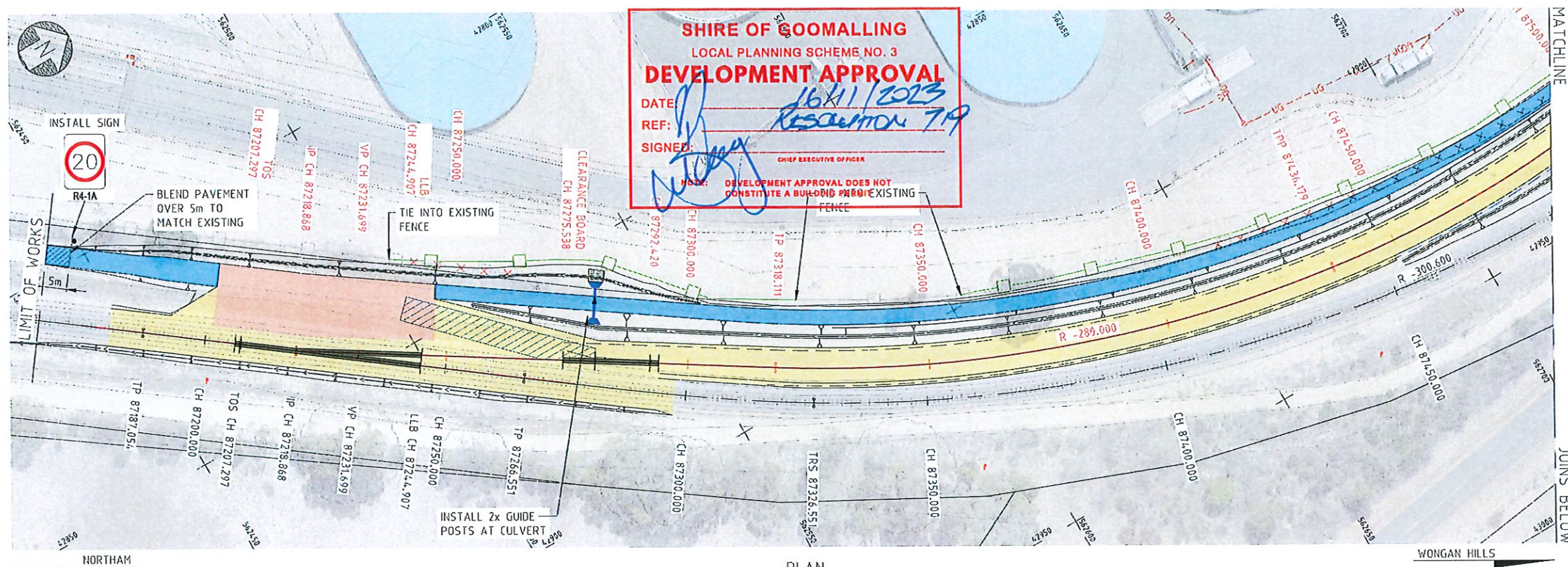


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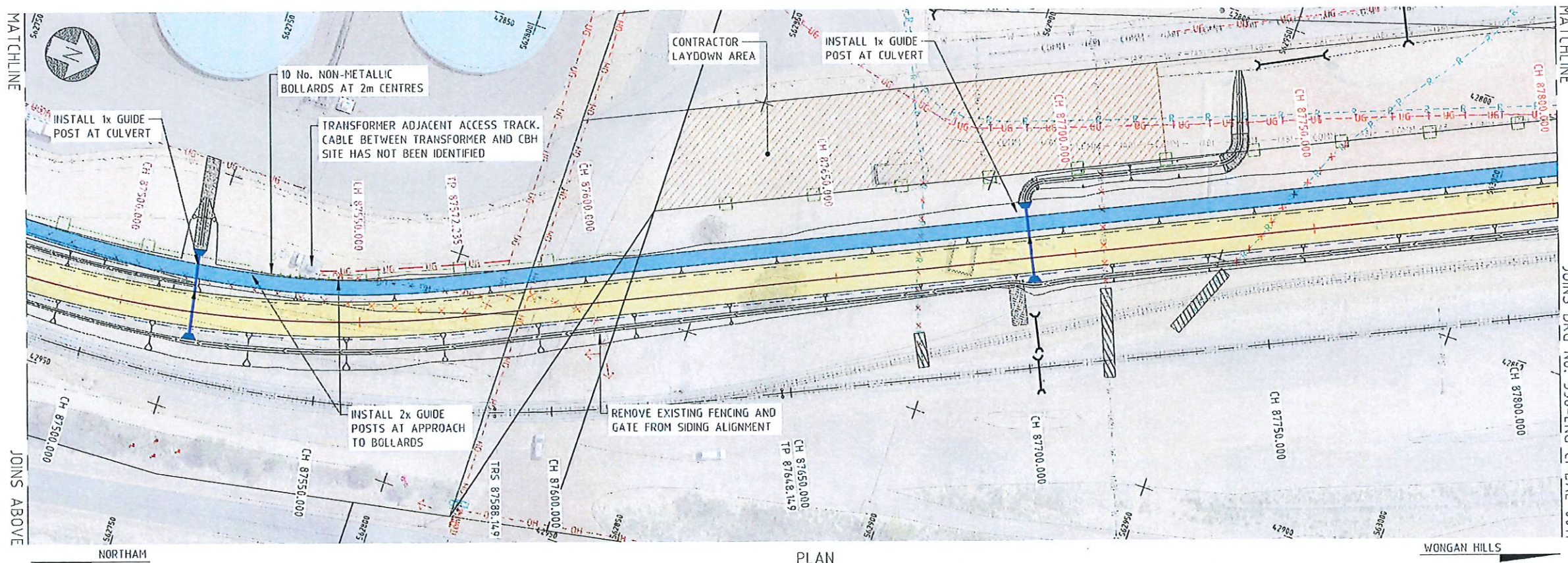
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E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TD	HB
D	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TD	HB
C	23.08.23	ISSUED FOR 85% CLIENT REVIEW	AL	JH	HB
B	01.05.23	ISSUED FOR 66% CLIENT REVIEW	JH	EPH	HB
A	01.05.23	ISSUED FOR 66% CLIENT REVIEW	JH	OPR	HB

SCALE	1:250	DRAWN	AS	27.10.23
CHECKED	JH	27.10.23		
DESIGNED	SOB	27.10.23		
DESIGN APPR	JH	27.10.23		
PROJECT APPR	PB	27.10.23		

FILE KONNONGORRING
FIXED RAIL LOADING FACILITY
RAIL AND CIVIL
MAINLINE TURNOUT SETOUT DETAILS
358-ENG-RL-DTD-0007
SHEET 1 OF 1
REV. E



PLAN
SCALE 1:500



PLAN
SCALE 1:500

LEGEND

—	CADASTRAL BOUNDARY
CH 87201.248	EXISTING MAINLINE CHAINAGES
CH 87350.000	NEW SIDING CHAINAGES
	RAIL TO BE REMOVED
—W—W—	PROPOSED WATER
—UG—UG—	PROPOSED UNDERGROUND POWER
—COM—	ELECTRICAL COMMS NOT USED
—OH—OH—	ELECTRICAL CABLE OVERHEAD
—UG—UG—	ELECTRICAL CABLE UNDERGROUND
—F—F—	ELECT CABLE UNDERGROUND NOT USED
—SW—	STORMWATER NOT USED
—T—T—	TELSTRA
—R—R—	WATER RETIC UNDERGROUND
—W—W—	WATER RETIC NOT USED
—	PROPOSED CULVERT, HEADWALLS & CATCHPIT
—	EXISTING CULVERT
—	PROPOSED DRAINAGE CHANNEL
—	CONDUIT/PIPE TO BE SLURRY FILLED
—	EXISTING DRAINAGE CHANNEL
—	DRAINAGE BUND
—	MAINTENANCE/CONSTRUCTION PAD
—	BALLAST TRACK
—	CBH ACCESS ROAD
—	SLAB TRACK
—	ASPHALT TRACK
—	MAINTENANCE ACCESS TRACK
—	BALLAST ARRESTOR BED
—	CBH ACCESS ROAD PAVEMENT BLEND
—	EXISTING FENCE
—X—X—X—	EXISTING FENCE TO BE REMOVED
—	PROP 1200mm HIGH STOCK FENCE
—	POSITION OF SAFETY LINE

DRAWING NOTES

- ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
- REFER TO DRG No. 358-ENG-RL-DGA-0001 FOR GENERAL NOTES.
- FOR TRACK STRUCTURE COMPONENTS ALONG SIDING REFER TO THE FOLLOWING:
CONCRETE SLEEPER ARRANGEMENT:
50kg RAIL - 154mm
60kg RAIL - 170mm
RAIL PAD - 8mm
LPCS/FDCS - 140mm/215mm

SURVEY

COORDINATE REFERENCE SYSTEM	MG94 ZONE 50
HEIGHT DATUM	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES

1500 @ A1
11000 @ A3

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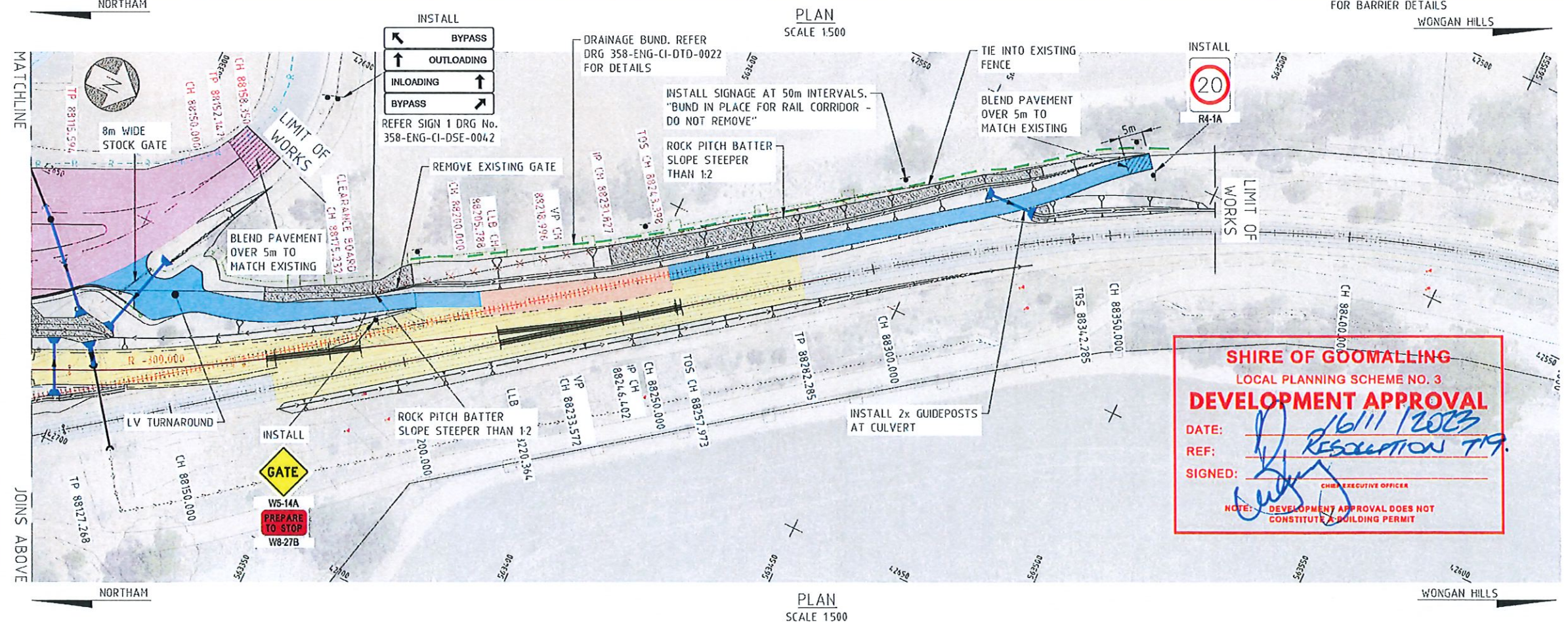
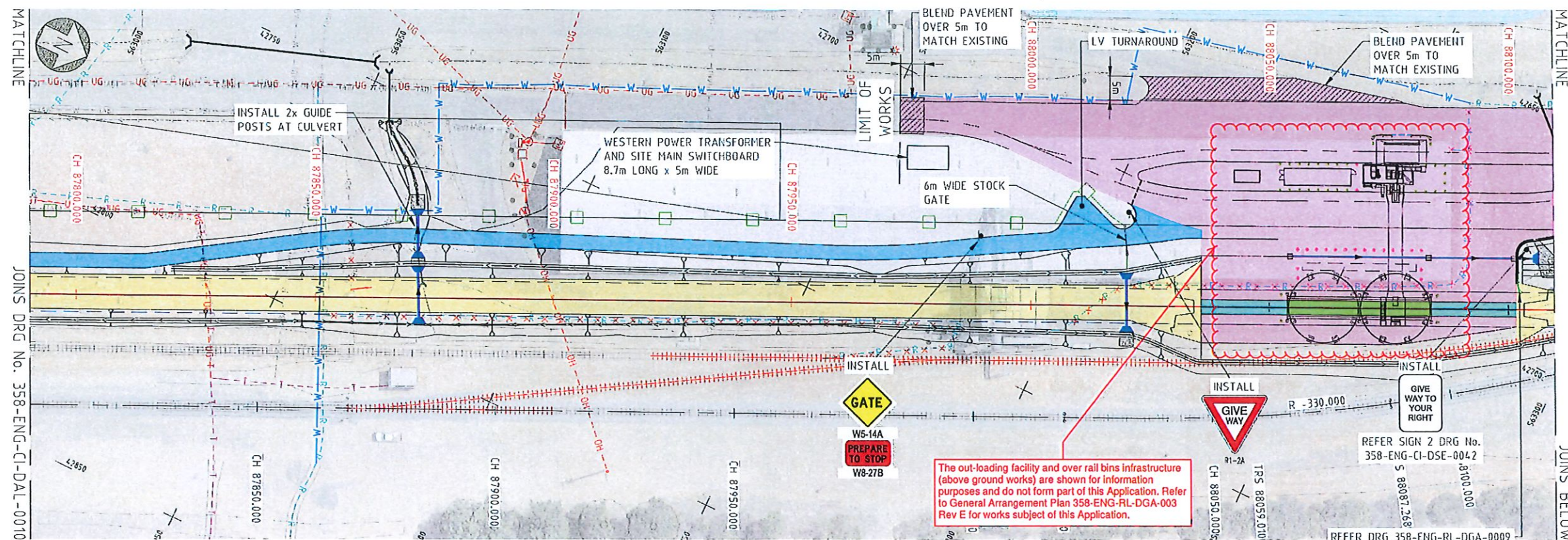


BGE Project No. PE22314

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D	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	PB
C	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JC	TB	PB
B	01.05.23	ISSUED FOR 66% CLIENT REVIEW	JH	QFR	PB
A	16.12.22	ISSUED FOR 30% CLIENT REVIEW	LJ	QFR	PB

SCALE	1500
SHEET	A1
PROJECT	KONNONGORRING
CONTRACT NO.	CW9951
DESIGN APPR	PB
PROJECT APPR	PB

TITLE	KONNONGORRING FIXED RAIL LOADING FACILITY CIVIL EARTHWORK AND DRAINAGE CIVIL LAYOUT PLAN SHEET 1 OF 2
DRG No.	358-ENG-CI-DAL-0010
SHEET	1 OF 2
REV.	E



LEGEND	
—	CADASTRAL BOUNDARY
CH 87201.248	EXISTING MAINLINE CHAINAGES
CH 87350.000	NEW SIDING CHAINAGES
	RAIL TO BE REMOVED
—W—W—	PROPOSED WATER
—UG—UG—	PROPOSED UNDERGROUND POWER
—CUM—	ELECTRICAL COMMS NOT USED
—OH—OH—	ELECTRICAL CABLE OVERHEAD
—UG—UG—	ELECTRICAL CABLE UNDERGROUND
—F—F—	ELECT CABLE UNDERGROUND NOT USED
—SW—SW—	STORMWATER NOT USED
—T—T—	TELSTRA
—R—R—	WATER RETIC UNDERGROUND
—W—W—	WATER RETIC NOT USED
—	PROPOSED CULVERT, HEADWALLS & CATCHPIT
—	EXISTING CULVERT
—	PROPOSED DRAINAGE CHANNEL
—	CONDUIT/PIPE TO BE SLURRY FILLED
—	EXISTING DRAINAGE CHANNEL
—	DRAINAGE BUND
—	MAINTENANCE/CONSTRUCTION PAD
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—	CBH ACCESS ROAD
—	SLAB TRACK
—	ASPHALT TRACK
—	MAINTENANCE ACCESS TRACK
—	BALLAST ARRESTOR BED
—	CBH ACCESS ROAD PAVEMENT BLEND
—	EXISTING FENCE
—X—X—X—	EXISTING FENCE TO BE REMOVED
—	PROP 1200mm HIGH STOCK FENCE
—	POSITION OF SAFETY LINE

DRAWING NOTES	
1.	ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
2.	REFER TO DRG No. 358-ENG-RL-DGA-0001 FOR GENERAL NOTES.
3.	FOR TRACK STRUCTURE COMPONENTS ALONG SIDING REFER TO THE FOLLOWING: CONCRETE SLEEPER ARRANGEMENT: 50kg RAIL - 154mm 60kg RAIL - 170mm RAIL PAD - 8mm LPCS/FDCS - 140mm/215mm

SURVEY	
COORDINATE REFERENCE SYSTEM	MGA94 ZONE 50
HEIGHT DATUM	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
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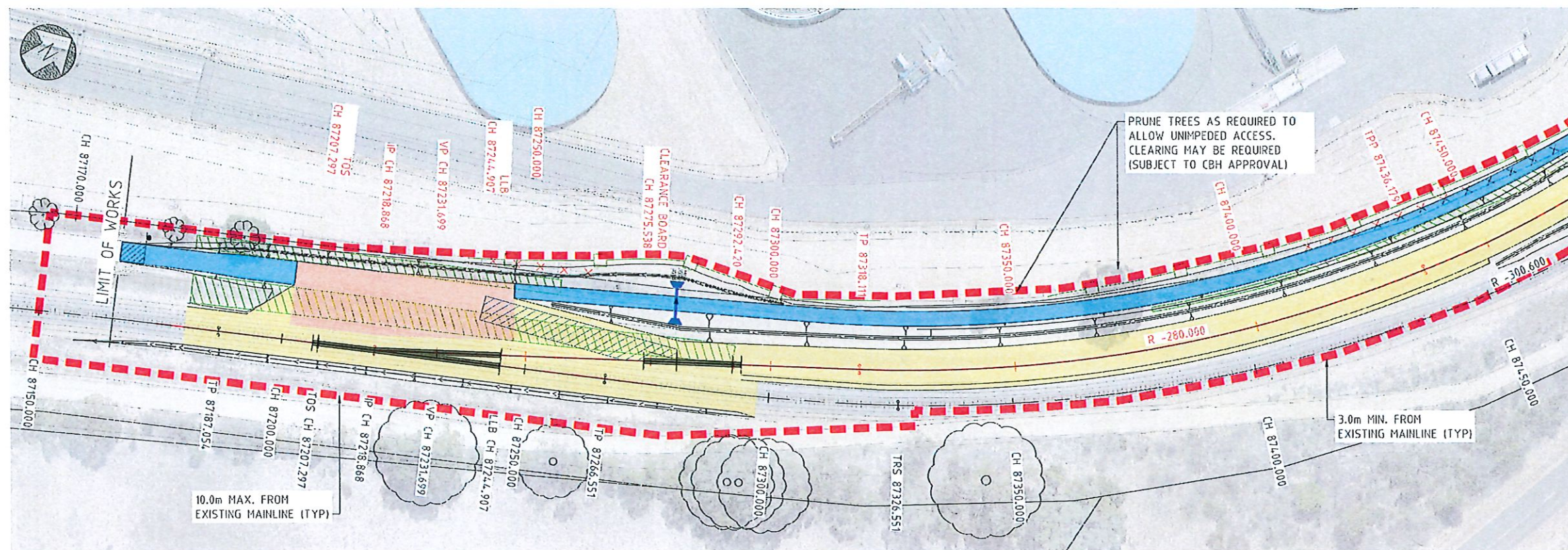


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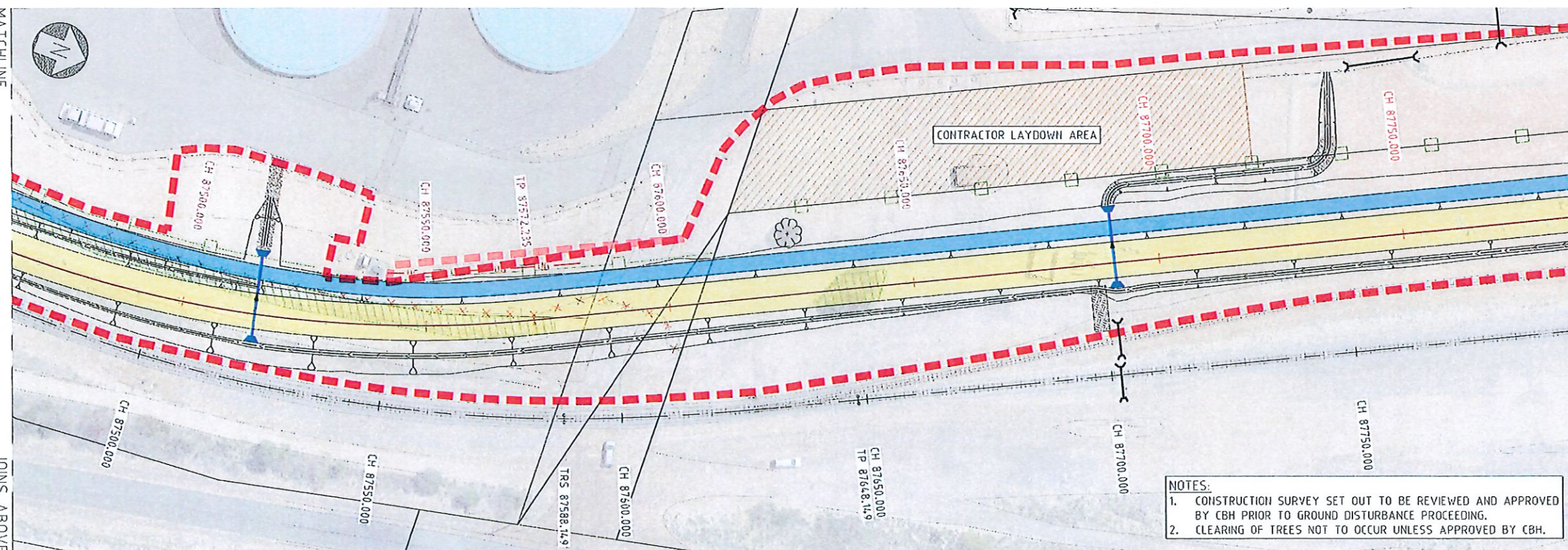
REV	DATE	REVISION DESCRIPTION
E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW
D	28.09.23	ISSUED FOR 100% CLIENT REVIEW
C	23.08.23	ISSUED FOR 85% CLIENT REVIEW
B	01.05.23	ISSUED FOR 60% CLIENT REVIEW
A	16.12.22	ISSUED FOR 30% CLIENT REVIEW

SCALE	1500
SHEET	A1
PROJECT	KONNONGORRING
CUSTOMER NO.	CW9551
BY	AKB
CHKD	AKB
APPD	AKB

DRAWN	AS	27.10.23	TITLE	KONNONGORRING FIXED RAIL LOADING FACILITY CIVIL EARTHWORK AND DRAINAGE CIVIL LAYOUT PLAN SHEET 2 OF 2
CHECKED	IB	27.10.23	DRG No.	358-ENG-CI-DAL-0011
DESIGNED	SCB	27.10.23	SHEET	2 OF 2
DESIGN APPR	IB	27.10.23	REV.	E
PROJECT APPR	IB	27.10.23		



PLAN
SCALE 1:500



PLAN
SCALE 1:500

LEGEND

- CADASTRAL BOUNDARY
- CH 87201.248 — EXISTING MAINLINE CHAINAGES
- CH 87350.000 — NEW SIDING CHAINAGES
- RAIL TO BE REMOVED
- PROPOSED CULVERT AND HEADWALLS
- EXISTING CULVERT
- PROPOSED DRAINAGE CHANNEL
- CONDUIT/PIPE TO BE SLURRY FILLED
- EXISTING DRAINAGE CHANNEL
- PROPOSED DISTURBANCE AREA
- MAINTENANCE/CONSTRUCTION PAD
- BALLAST TRACK
- CBH ACCESS ROAD
- SLAB TRACK
- ASPHALT TRACK
- MAINTENANCE ACCESS TRACK
- BALLAST ARRESTOR BED
- CONTRACTOR LAYDOWN AREA
- CBH ACCESS ROAD PAVEMENT BLEND
- EXISTING FENCE
- EXISTING FENCE TO BE REMOVED
- PROP 1200mm HIGH STOCK FENCE

DRAWING NOTES

- ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
- REFER TO DRG No. 358-ENG-RL-DGA-0001 FOR GENERAL NOTES.
- FOR TRACK STRUCTURE COMPONENTS ALONG SIDING REFER TO THE FOLLOWING:
CONCRETE SLEEPER ARRANGEMENT:
50kg RAIL - 154mm
60kg RAIL - 170mm
RAIL PAD - 8mm
LPCS/FDCS - 140mm/215mm

SURVEY

COORDINATE REFERENCE SYSTEM	MGA94 ZONE 50
HEIGHT DATUM	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES

SHIRE OF GOOMALLING

LOCAL PLANNING SCHEME NO. 3

DEVELOPMENT APPROVAL

DATE: 16/11/2023
REF: RESOLUTION 719
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER
NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT

- NOTES:
- CONSTRUCTION SURVEY SET OUT TO BE REVIEWED AND APPROVED BY CBH PRIOR TO GROUND DISTURBANCE PROCEEDING.
 - CLEARING OF TREES NOT TO OCCUR UNLESS APPROVED BY CBH.

1500 @ A1
1:000 @ A3

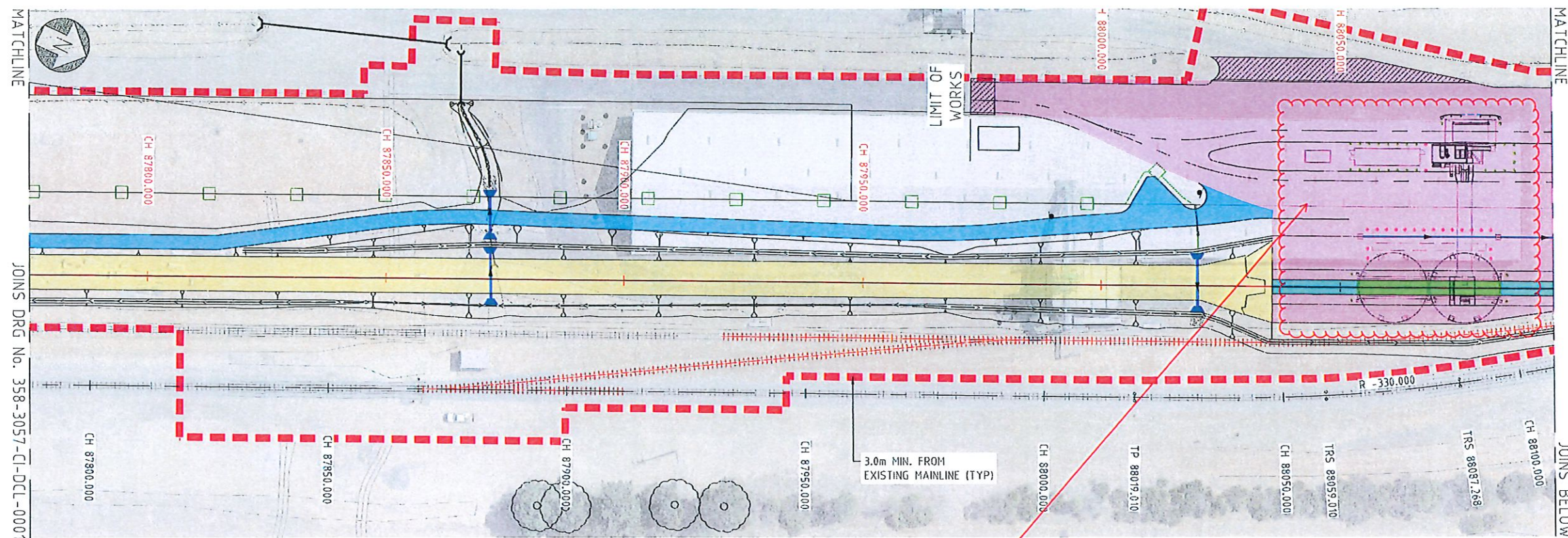
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BGE Project No. PE22014

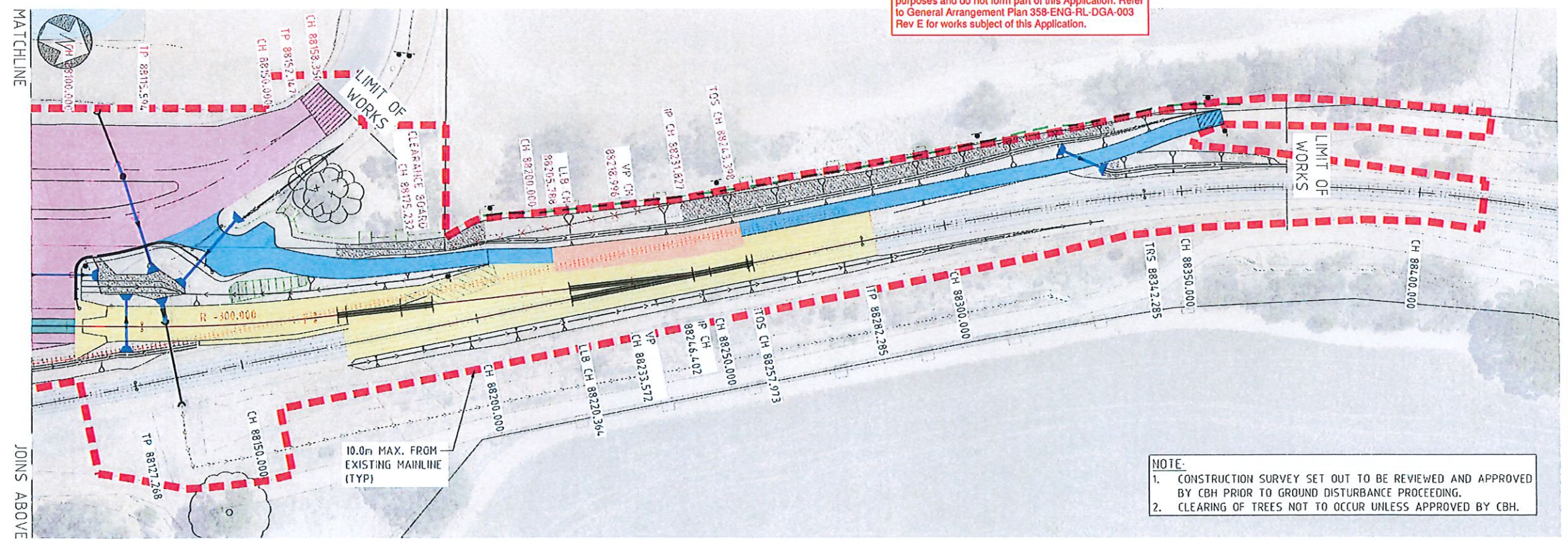


						SCALE	DRAWN	AS	27.10.23	TITLE KONNONGORRING FIXED RAIL LOADING FACILITY RAIL AND CIVIL CLEARING / GROUND DISTURBANCE PLAN SHEET 1 OF 2
						1500				
						SHEET	CHECKED	IB	27.10.23	
						A1	DESIGNED	SP	27.10.23	
						PROJECT	DESIGN APPR	IB	27.10.23	
						KONNONGORRING				CNC NO 358-ENG-CI-DCL-0003
						CONTRACTOR No.	PROJECT APPR	IB	27.10.23	
						CW9551				REV.
REF DRAWING No.		REFERENCE DRAWING TITLE	REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD		
			D	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	IB	HB		
			C	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	IB	HB		
			B	23.09.23	ISSUED FOR 65% CLIENT REVIEW	JC	IB	HB		
			A	01.05.23	ISSUED FOR 40% CLIENT REVIEW	JH	SPR	HB		



PLAN
SCALE 1:500

The out-loading facility and over rail bins infrastructure (above ground works) are shown for information purposes and do not form part of this Application. Refer to General Arrangement Plan 358-ENG-RL-DGA-003 Rev E for works subject of this Application.



PLAN
SCALE 1:500

NOTE:
1. CONSTRUCTION SURVEY SET OUT TO BE REVIEWED AND APPROVED BY CBH PRIOR TO GROUND DISTURBANCE PROCEEDING.
2. CLEARING OF TREES NOT TO OCCUR UNLESS APPROVED BY CBH.

LEGEND

- CADASTRAL BOUNDARY
- CH 87201.248 — EXISTING MAINLINE CHAINAGES
- CH 87350.000 — NEW SIDING CHAINAGES
- RAIL TO BE REMOVED
- PROPOSED CULVERT AND HEADWALLS
- EXISTING CULVERT
- PROPOSED DRAINAGE CHANNEL
- CONDUIT/PIPE TO BE SLURRY FILLED
- EXISTING DRAINAGE CHANNEL
- PROPOSED DISTURBANCE AREA
- MAINTENANCE/CONSTRUCTION PAD
- BALLAST TRACK
- CBH ACCESS ROAD
- SLAB TRACK
- ASPHALT TRACK
- MAINTENANCE ACCESS TRACK
- BALLAST ARRESTOR BED
- CONTRACTOR LAYDOWN AREA
- CBH ACCESS ROAD PAVEMENT BLEND
- EXISTING FENCE
- EXISTING FENCE TO BE REMOVED
- PROP 1200mm HIGH STOCK FENCE

DRAWING NOTES

- ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
- REFER TO DRG No. 358-ENG-RL-DGA-0001 FOR GENERAL NOTES.
- FOR TRACK STRUCTURE COMPONENTS ALONG SIDING REFER TO THE FOLLOWING:
CONCRETE SLEEPER ARRANGEMENT:
50kg RAIL - 154mm
60kg RAIL - 170mm
RAIL PAD - 8mm
LPCS/FDCS - 140mm/215mm

SURVEY

COORDINATE REFERENCE SYSTEM	MGA94 ZONE 50
HEIGHT DATUM:	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 16/11/2023
REF: RESOLUTION 7.19
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER
NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT

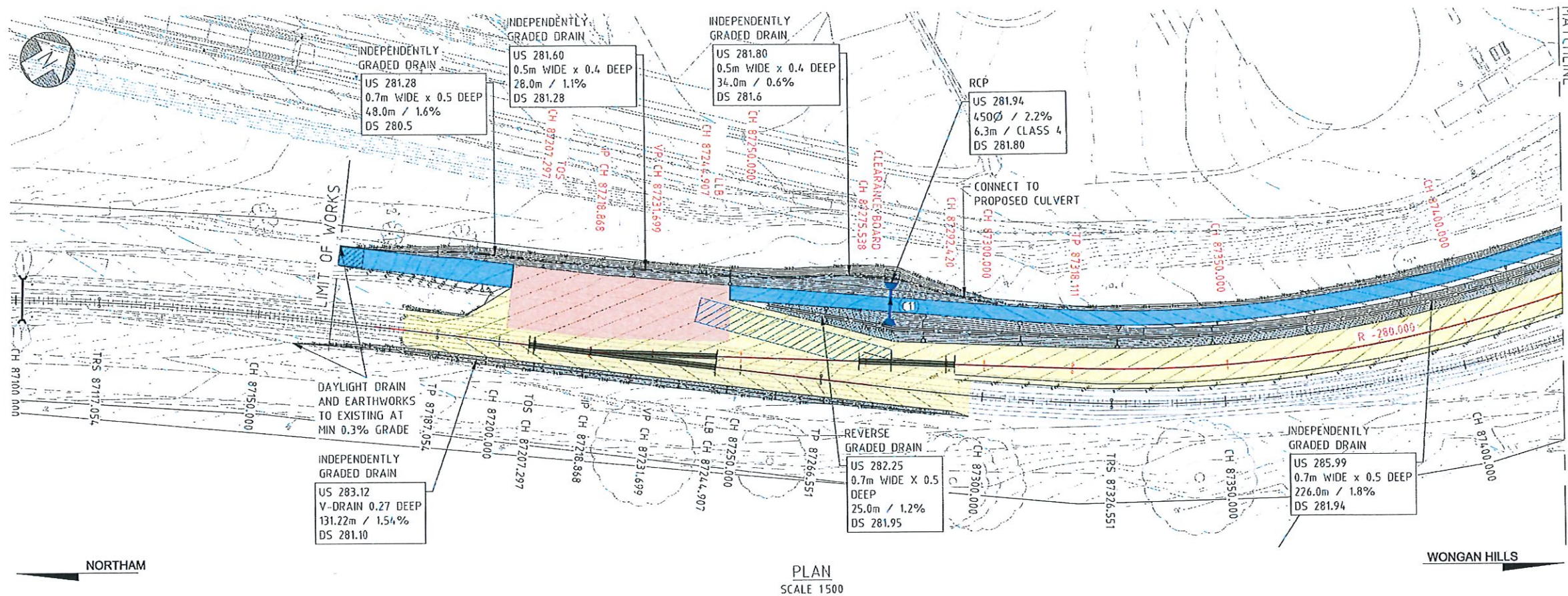
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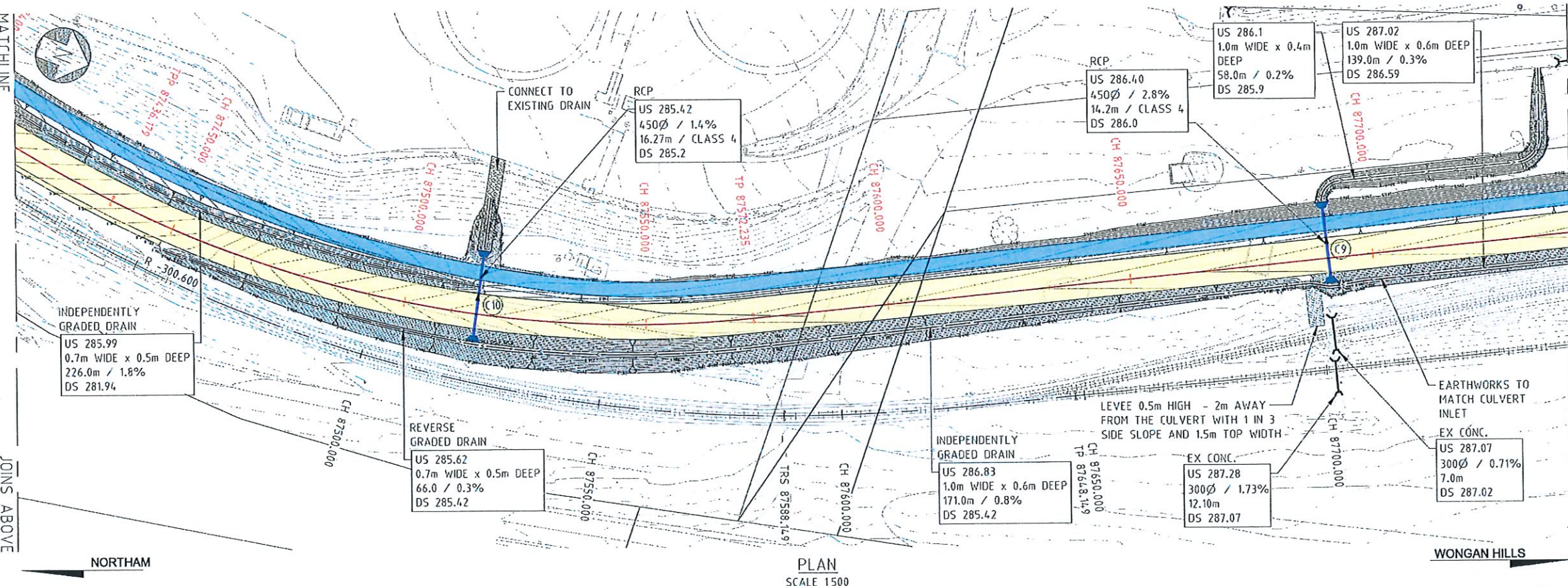
REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD	SCALE	DRAWN	AS	27.10.23	TITLE
D	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB	1:500	AS	TB	HB	KONNONGORRING
C	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB	A1	CH	TB	HB	FIXED RAIL LOADING FACILITY
B	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JC	TB	HB	PROJECT	DESIGN	SP	HB	RAIL AND CIVIL
A	01.05.23	ISSUED FOR 60% CLIENT REVIEW	JH	OFF	HB	CONTRACT No	DESIGN APPR	TB	HB	CLEARING / GROUND DISTURBANCE PLAN SHEET 2 OF 2
						CW9551	PROJECT APPR	TB	HB	358-ENG-CI-DCL-0004



LEGEND	
	CADASTRAL BOUNDARY
	CH 87201.248 — EXISTING MAINLINE CHAINAGES
	RAIL TO BE REMOVED
	PROPOSED CULVERT, HEADWALLS AND CATCHPIT
	PROPOSED DRAINAGE CHANNEL
	PROPOSED SCOUR PROTECTION
	EXISTING CULVERT
	PROPOSED DRAINAGE PIT
	DRAINAGE STRUCTURE ID
	KERB
	EXISTING DRAINAGE CHANNEL
	EXIST MINOR CONTOURS (0.1m)
	EXIST MAJOR CONTOURS (0.5m)
	DESIGN MINOR CONTOURS (0.1m)
	DESIGN MAJOR CONTOURS (0.5m)
	MAINTENANCE/CONSTRUCTION PAD
	BALLAST TRACK
	CBH ACCESS ROAD
	SLAB TRACK
	ASPHALT TRACK
	MAINTENANCE ACCESS TRACK
	BALLAST ARRESTOR BED
	DRAINAGE BUND

- DRAWING NOTES**
- ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
 - REFER TO DRG No. 358-ENG-RL-DGA-0001 FOR GENERAL NOTES.
 - REFER TO DRG No. 358-ENG-CI-DTD-0023 FOR DRAINAGE SCHEDULE DETAILS.

SURVEY	
COORDINATE REFERENCE SYSTEM	MGA94 ZONE 50
HEIGHT DATUM	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES



SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL

DATE: 16/11/2023
REF: Resolution 719
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER

NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT

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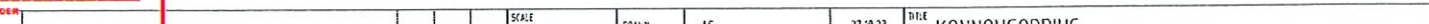
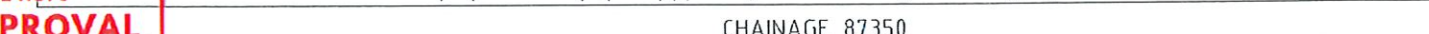
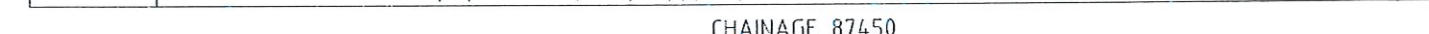
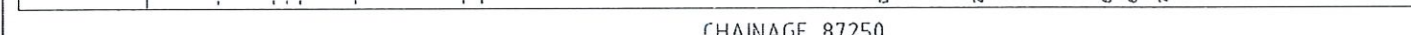
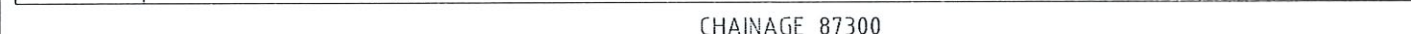


BGE Project No. PE22014

REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD
E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	MB
D	23.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	MB
C	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JC	TB	MB
B	01.05.23	ISSUED FOR 65% CLIENT REVIEW	JH	DPR	H3
A	16.12.22	ISSUED FOR 30% CLIENT REVIEW	GF	DPR	H3
1	16.12.22	ISSUED FOR 30% CLIENT REVIEW	GF	DPR	H3

SCALE	DATE	BY	CHKD	APPD
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A1	27.10.23	AS	TB	MB
PROJECT	27.10.23	AS	TB	MB
CONTRACT NO.	27.10.23	AS	TB	MB
CONTRACT NAME	27.10.23	AS	TB	MB
CONTRACT VALUE	27.10.23	AS	TB	MB
CONTRACT TYPE	27.10.23	AS	TB	MB
CONTRACT STATUS	27.10.23	AS	TB	MB
CONTRACT OWNER	27.10.23	AS	TB	MB
CONTRACT MANAGER	27.10.23	AS	TB	MB
CONTRACT CONTACT	27.10.23	AS	TB	MB
CONTRACT ADDRESS	27.10.23	AS	TB	MB
CONTRACT PHONE	27.10.23	AS	TB	MB
CONTRACT FAX	27.10.23	AS	TB	MB
CONTRACT EMAIL	27.10.23	AS	TB	MB
CONTRACT WEBSITE	27.10.23	AS	TB	MB
CONTRACT SOCIAL MEDIA	27.10.23	AS	TB	MB
CONTRACT OTHER	27.10.23	AS	TB	MB

FILE	DATE	BY	CHKD	APPD
KONNONGORRING	27.10.23	AS	TB	MB
FIXED RAIL LOADING FACILITY	27.10.23	AS	TB	MB
CIVIL EARTHWORK AND DRAINAGE	27.10.23	AS	TB	MB
DRAINAGE PLAN SHEET 1 OF 3	27.10.23	AS	TB	MB
358-ENG-CI-DDR-0003	27.10.23	AS	TB	MB
1 OF 3	27.10.23	AS	TB	MB
E	27.10.23	AS	TB	MB



	C	23.08.23	ISSUED FOR 85% CLIENT REVIEW
	B	01.05.23	ISSUED FOR 60% CLIENT REVIEW
	A	16.12.22	ISSUED FOR 30% CLIENT REVIEW
REFERENCE DRAWING TITLE	REV	DATE	



CBH GROUP
ABN 29 256 604

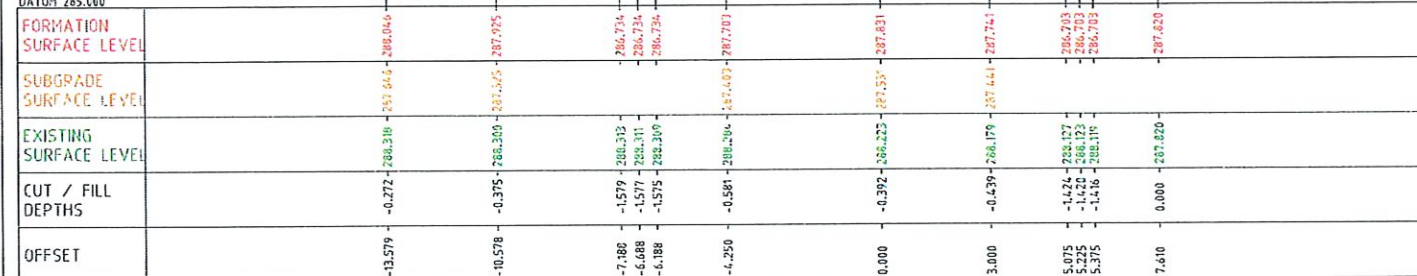


			SCALE	DOWN	A5	27.0.23
A5	T8	M3	1.100			
A5	T8	M3	DIET	OLEO	T8	27.0.23
K	T8	M3	A1	DESCH	S03	27.0.23
JH	DPR	H3	PRODIT			
			KONNOGORING	DESCH AFIR	J4	27.10.23
LJ	DPR	H3	CONTRACT B3			
PL	ENOB	AFRO	(W9951)	PRODUCT AFIR	M8	27.10.23

--	--

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X=42790.373
DATUM 285.000

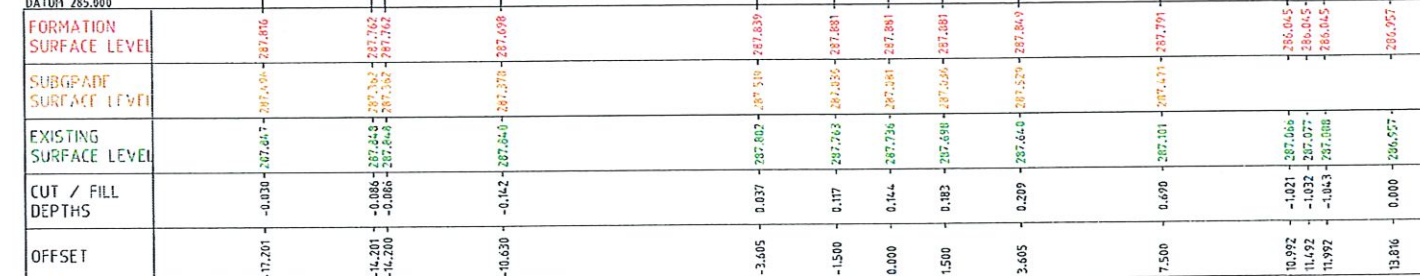
FORMATION SURFACE LEVEL	286.576	286.566	286.553	286.540	286.527	286.514	286.501	286.488	286.475	286.462	286.449	286.436	286.423	286.410	286.397	286.384	286.371	286.358	286.345	286.332	286.319	286.306	286.293	286.280	286.267	286.254	286.241	286.228	286.215	286.202	286.189	286.176	286.163	286.150	286.137	286.124	286.111	286.098	286.085	286.072	286.059	286.046	286.033	286.020	286.007	285.994	285.981	285.968	285.955	285.942	285.929	285.916	285.903	285.890	285.877	285.864	285.851	285.838	285.825	285.812	285.799	285.786	285.773	285.760	285.747	285.734	285.721	285.708	285.695	285.682	285.669	285.656	285.643	285.630	285.617	285.604	285.591	285.578	285.565	285.552	285.539	285.526	285.513	285.500	285.487	285.474	285.461	285.448	285.435	285.422	285.409	285.396	285.383	285.370	285.357	285.344	285.331	285.318	285.305	285.292	285.279	285.266	285.253	285.240	285.227	285.214	285.201	285.188	285.175	285.162	285.149	285.136	285.123	285.110	285.097	285.084	285.071	285.058	285.045	285.032	285.019	285.006	284.993	284.980	284.967	284.954	284.941	284.928	284.915	284.902	284.889	284.876	284.863	284.850	284.837	284.824	284.811	284.798	284.785	284.772	284.759	284.746	284.733	284.720	284.707	284.694	284.681	284.668	284.655	284.642	284.629	284.616	284.603	284.590	284.577	284.564	284.551	284.538	284.525	284.512	284.499	284.486	284.473	284.460	284.447	284.434	284.421	284.408	284.395	284.382	284.369	284.356	284.343	284.330	284.317	284.304	284.291	284.278	284.265	284.252	284.239	284.226	284.213	284.200	284.187	284.174	284.161	284.148	284.135	284.122	284.109	284.096	284.083	284.070	284.057	284.044	284.031	284.018	284.005	283.992	283.979	283.966	283.953	283.940	283.927	283.914	283.901	283.888	283.875	283.862	283.849	283.836	283.823	283.810	283.797	283.784	283.771	283.758	283.745	283.732	283.719	283.706	283.693	283.680	283.667	283.654	283.641	283.628	283.615	283.602	283.589	283.576	283.563	283.550	283.537	283.524	283.511	283.498	283.485	283.472	283.459	283.446	283.433	283.420	283.407	283.394	283.381	283.368	283.355	283.342	283.329	283.316	283.303	283.290	283.277	283.264	283.251	283.238	283.225	283.212	283.199	283.186	283.173	283.160	283.147	283.134	283.121	283.108	283.095	283.082	283.069	283.056	283.043	283.030	283.017	283.004	282.991	282.978	282.965	282.952	282.939	282.926	282.913	282.900	282.887	282.874	282.861	282.848	282.835	282.822	282.809	282.796	282.783	282.770	282.757	282.744	282.731	282.718	282.705	282.692	282.679	282.666	282.653	282.640	282.627	282.614	282.601	282.588	282.575	282.562	282.549	282.536	282.523	282.510	282.497	282.484	282.471	282.458	282.445	282.432	282.419	282.406	282.393	282.380	282.367	282.354	282.341	282.328	282.315	282.302	282.289	282.276	282.263	282.250	282.237	282.224	282.211	282.198	282.185	282.172	282.159	282.146	282.133	282.120	282.107	282.094	282.081	282.068	282.055	282.042	282.029	282.016	282.003	281.990	281.977	281.964	281.951	281.938	281.925	281.912	281.899	281.886	281.873	281.860	281.847	281.834	281.821	281.808	281.795	281.782	281.769	281.756	281.743	281.730	281.717	281.704	281.691	281.678	281.665	281.652	281.639	281.626	281.613	281.600	281.587	281.574	281.561	281.548	281.535	281.522	281.509	281.496	281.483	281.470	281.457	281.444	281.431	281.418	281.405	281.392	281.379	281.366	281.353	281.340	281.327	281.314	281.301	281.288	281.275	281.262	281.249	281.236	281.223	281.210	281.197	281.184	281.171	281.158	281.145	281.132	281.119	281.106	281.093	281.080	281.067	281.054	281.041	281.028	281.015	281.002	280.989	280.976	280.963	280.950	280.937	280.924	280.911	280.898	280.885	280.872	280.859	280.846	280.833	280.820	280.807	280.794	280.781	280.768	280.755	280.742	280.729	280.716	280.703	280.690	280.677	280.664	280.651	280.638	280.625	280.612	280.599	280.586	280.573	280.560	280.547	280.534	280.521	280.508	280.495	280.482	280.469	280.456	280.443	280.430	280.417	280.404	280.391	280.378	280.365	280.352	280.339	280.326	280.313	280.300	280.287	280.274	280.261	280.248	280.235	280.222	280.209	280.196	280.183	280.170	280.157	280.144	280.131	280.118	280.105	280.092	280.079	280.066	280.053	280.040	280.027	280.014	280.001	279.988	279.975	279.962	279.949	279.936	279.923	279.910	279.897	279.884	279.871	279.858	279.845	279.832	279.819	279.806	279.793	279.780	279.767	279.754	279.741	279.728	279.715	279.702	279.689	279.676	279.663	279.650	279.637	279.624	279.611	279.598	279.585	279.572	279.559	279.546	279.533	279.520	279.507	279.494	279.481	279.468	279.455	279.442	279.429	279.416	279.403	279.390	279.377	279.364	279.351	279.338	279.325	279.312	279.299	279.286	279.273	279.260	279.247	279.234	279.221	279.208	279.195	279.182	279.169	279.156	279.143	279.130	279.117	279.104	279.091	279.078	279.065	279.052	279.039	279.026	279.013	279.000	278.987	278.974	278.961	278.948	278.935	278.922	278.909	278.896	278.883	278.870	278.857	278.844	278.831	278.818	278.805	278.792	278.779	278.766	278.753	278.740	278.727	278.714	278.701	278.688	278.675	278.662	278.649	278.636	278.623	278.610	278.597	278.584	278.571	278.558	278.545	278.532	278.519	278.506	278.493	278.480	278.467	278.454	278.441	278.428	278.415	278.402	278.389	278.376	278.363	278.350	278.337	278.324	278.311	278.298	278.285	278.272	278.259	278.246	278.233	278.220	278.207	278.194	278.181	278.168	278.155	278.142	278.129	278.116	278.103	278.090	278.077	278.064	278.051	278.038	278.025	278.012	278.000	277.987	277.974	277.961	277.948	277.935	277.922	277.909	277.896	277.883	277.870	277.857	277.844	277.831	277.818	277.805	277.792	277.779	277.766	277.753	277.740	277.727	277.714	277.701	277.688	277.675	277.662	277.649	277.636	277.623	277.610	277.597	277.584	277.571	277.558	277.545	277.532	277.519	277.506	277.493	277.480	277.467	277.454	277.441	277.428	277.415	277.402	277.389	277.376	277.363	277.350	277.337	277.324	277.311	277.298	277.285	277.272	277.259	277.246	277.233	277.220	277.207	277.194	277.181	277.168	277.155	277.142	277.129	277.116	277.103	277.090	277.077	277.064	277.051	277.038	277.025	277.012	277.000	276.987	276.974	276.961	276.948	276.935	276.922	276.909	276.896	276.883	276.870	276.857	276.844	276.831	276.818	276.805	276.792	276.779	276.766	276.753	276.740	276.727	276.714	276.701	276.688	276.675	276.662	276.649	276.636	276.623	276.610	276.597	276.584	276.571	276.558	276.545	276.532	276.519	276.506	276.493	276.480	276.467	276.454	276.441	276.428	276.415	276.402	276.389	276.376	276.363	276.350	276.337	276.324	276.311	276.298	276.285	276.272	276.259	276.246	276.233	276.220	276.207	276.194	276.181	276.168	276.155	276.142	276.129	276.116	276.103	276.090	276.077	276.064	276.051	276.038	276.025	276.012	276.000	275.987	275.974	275.961	275.948	275.935	275.922	275.909	275.896	275.883	275.870	275.857	275.844	275.831	275.818	275.805	275.792	275.779	275.766	275.753	275.740	275.727	275.714	275.701	275.688	275.675	275.662	275.649	275.636	275.623	275.610	275.597	275.584	275.571	275.558	275.545	275.532	275.519	275.506	275.493	275.480	275.467	275.454	275.441	275.428	275.415	275.402	275.389	275.376	275.363	275.350	275.337	275.324	275.311	275.298	275.285	275.272	275.259	275.246	275.233	275.220	275.207	275.194	275.181	275.168	275.155	275.142	275.129	275.116	275.103	275.090	275.077	275.064	275.051	275.038	275.025	275.012	275.000	274.987	274.974	274.961	274.948	274.935	274.922	274.909	274.896	274.883	274.870	274.857	274.844	274.831	274.818	274.805	274.792	274.779	274.766	274.753	274.740	274.727	274.714	274.701	274.688	274.675	274.662	274.649	274.636	274.623	274.610	274.597	274.584	274.571	274.558	274.545	274.532	274.519	274.506	274.493	274.480	274.467	274.454	274.441	274.428	274.415	274.402	274.389	274.376	274.363	274.350	274.337	274.324	274.311	274.298	274.285	274.272	274.259	274.246	274.233	274.220	274.207	274.194	274.181	274.168	274.155	274.142	274.129	274.116	274.103	274.090	274.077	274.064	274.051	274.038	274.025	274.012	274.000	273.987	273.974	273.961	273.948	273.935	273.922	273.909	273.896	273.883	273.870	273.857	273.844	273.831	273.818	273.805	273.792	273.779	273.766	273.753	273.740	273.727	273.714	273.701	273.688	273.675	273.662	273.649	273.636	273.623	273.610	273.597	273.584	273.571	273.558	273.545	273.532	273.519	273.506	273.493	273.480	273.467	273.454	273.441	273.428	273.415	273.402	273.389	273.376	273.363	273.350	273.337	273.324	273.311	273.298	
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OFFSET	CUT / FILL DEPTHS	EXISTING SURFACE LEVEL	SUBGRADE SURFACE LEVEL	FORMATION SURFACE LEVEL
14.876	0.000	287.466		287.466
13.431	0.355	287.326		287.683
10.411	-0.349	288.332	287.983	287.623
8.533	-0.619	288.305		287.687
6.727	-1.261	288.544		287.085
5.227	-1.261	288.544		287.085
4.250	-0.532	288.344	287.502	287.812
0.000	0.334	287.605	287.639	287.939
3.000	0.495	287.354	287.549	287.849
4.956	-0.575	287.448		286.871
5.106	-0.582	287.452		286.871
5.256	-0.589	287.460		286.871
6.568	0.000	287.527		287.527

Y=553012.131 X=42816.836 DATUM 285.000										
FORMATION SURFACE LEVEL	286.403	287.222	287.642	287.776	287.603	287.613	286.928	286.928	287.223	
SUBGRADE SURFACE LEVEL	287.222	287.222	287.642	287.776	287.603	287.613	286.928	286.928	287.223	
EXISTING SURFACE LEVEL	286.913	286.911	287.242	287.141	286.930	287.513	287.148	287.176	287.193	287.223
CUT / FILL DEPTHS	-0.000	0.611	0.596	0.665	0.673	0.747	-0.240	-0.242	-0.285	0.000
OFFSET	-10.422	-8.600	-5.600	-4.259	0.000	3.000	4.810	5.310	5.810	4.400

REF: 152
SIGNED: [Signature]



FORMATION SURFACE LEVEL	SURFACE LEVEL	EXISTING SURFACE LEVEL	CUT / FILL DEPTHS	OFFSET
287.624	287.624	288.039	-0.414	-11.778
287.693	287.693	288.039	-0.346	-11.048
287.439	287.439	288.034	-0.595	-9.699
286.535	286.535	286.052	-0.483	-6.987
286.535	286.535	286.052	-0.483	-6.987
286.535	286.535	285.031	-1.504	-5.987
287.403	287.403	288.039	-0.636	-4.250
287.531	287.531	286.019	-0.512	0.000
287.441	287.441	285.988	-0.453	3.000
286.430	286.430	286.076	-0.354	5.022
286.430	286.430	286.150	-0.278	5.522
286.430	286.430	286.053	-0.377	6.022
287.531	287.531	287.531	0.000	8.226

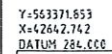
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1102 719

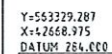
1102 Q A1
1200 Q A3

0 1 2 3 4 5 6 7 8 9 10 m

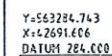
FILE	KONNONGORRING FIXED RAIL LOADING FACILITY CIVIL EARTHWORK AND DRAINAGE SIDING CROSS SECTIONS SHEET 3 OF 4		
DWG No.	358-ENG-CI-DSE-0027	SHEET	3 OF 4



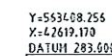
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X=42668.975
DATUM 264.000



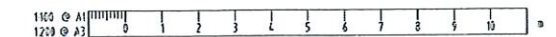
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DATUM 284.000

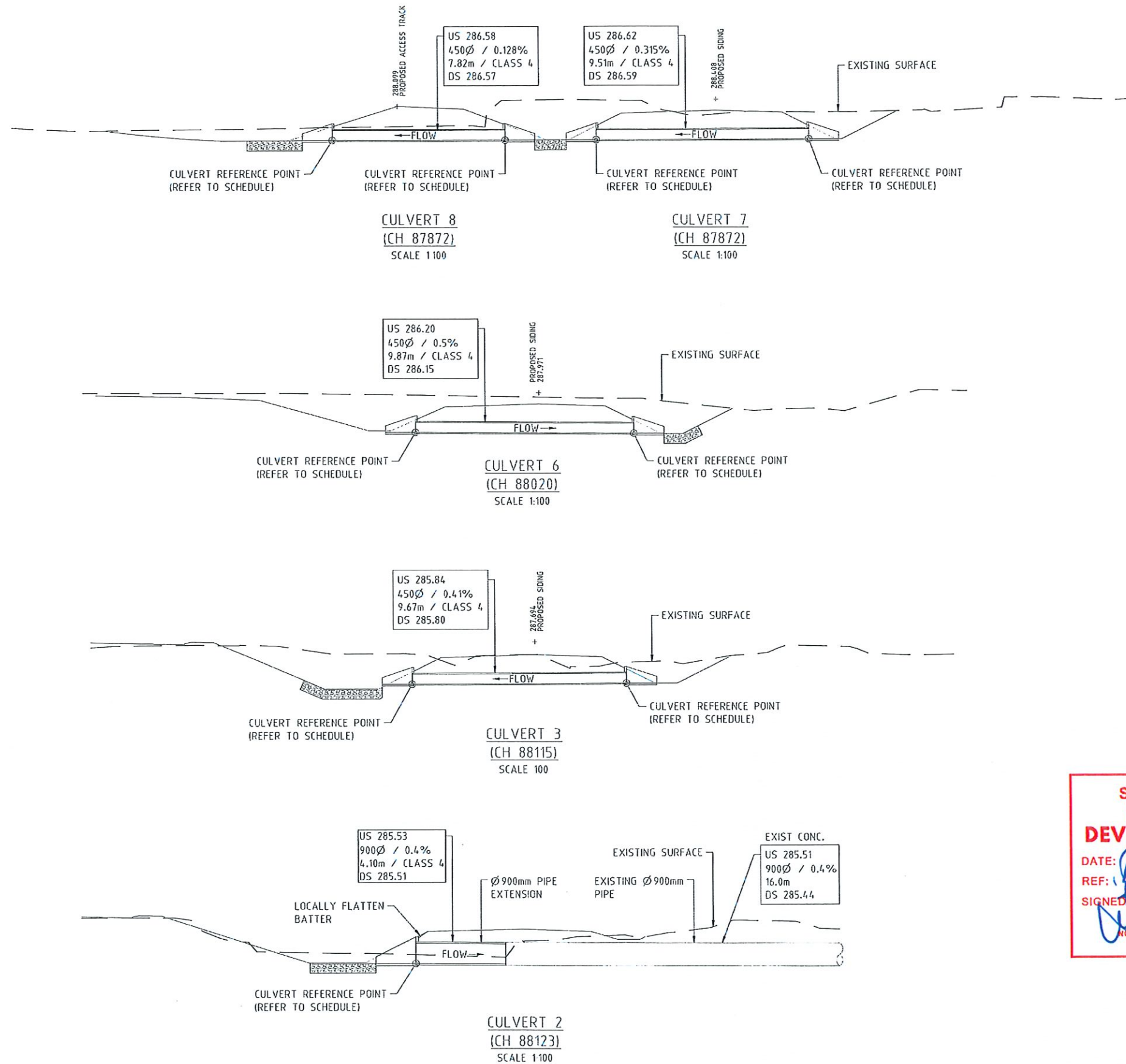


Y=553408.255
X=42619.170
DATUM 283.60



SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 16/11/2023
REF: RESOLUTION 7
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER
NOTE: DEVELOPMENT APPROVAL DOES NOT
CONSTITUTE A BUILDING PERMIT





- NOTES:
1. ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
 2. REFER TO DRG No. 358-ENG-CI-DTD-0023 FOR DRAINAGE SCHEDULE DETAILS.

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL

DATE: 16/11/2023
REF: Resolution 719
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER

NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT

1100 @ A1
1200 @ A3

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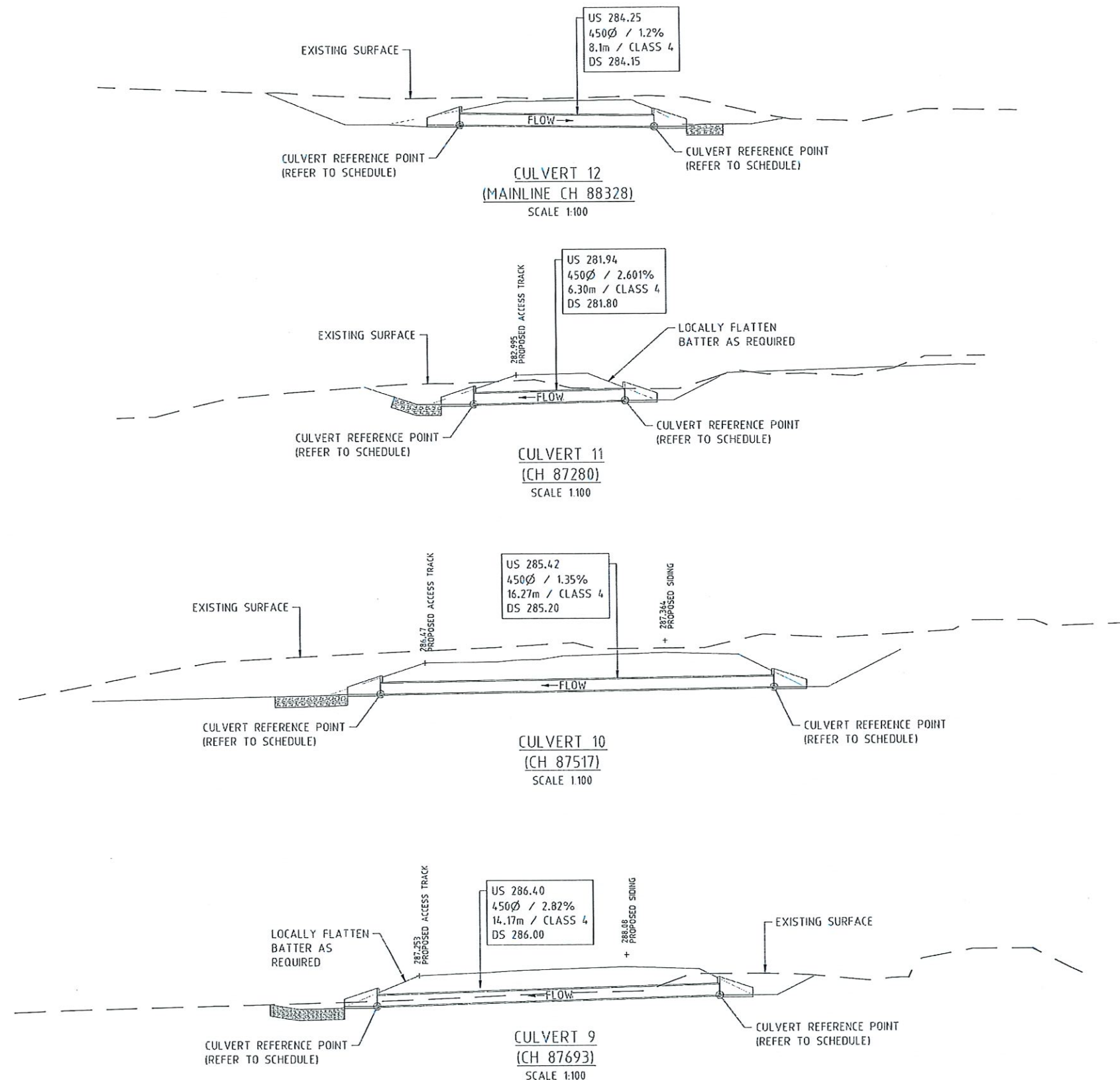


BG&E Project No. PE22014

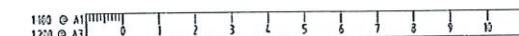
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D	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	MS	1:100	DESIGN	AS	27.10.23
C	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	MS	A1	CHECKED	TB	27.10.23
B	23.08.23	ISSUED FOR 85% CLIENT REVIEW	AC	TB	MS	PP2-001	DESIGNED	S03	27.10.23
A	01.05.23	ISSUED FOR 60% CLIENT REVIEW	JH	JH	MS	KONNONGORRING	DESIGN APPR	TB	27.10.23
						CONTRACT NO	PRODUCT APPR	PB	27.10.23
						CW9951			

358-ENG-CI-DTD-0005	1 OF 4	REV. D
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- NOTES:
1. ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
 2. REFER TO DRG No. 358-ENG-CI-DTD-0023 FOR DRAINAGE SCHEDULE DETAILS.



SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 16/11/2023
REF: Resolution 719
SIGNED: [Signature]
NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT



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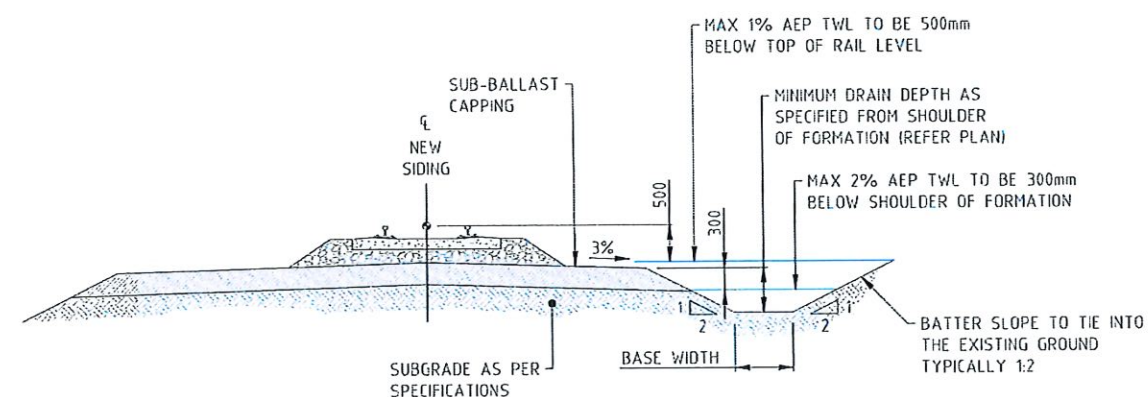


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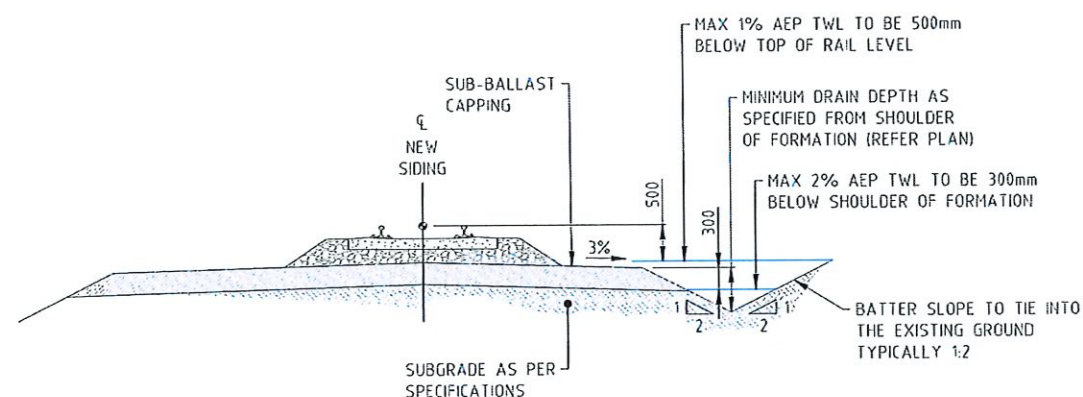


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D	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	MS	1:100	DRWN	AS	27.10.23	KONNONGORRING	2	OF 4	D
C	23.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	MS	A1	CHKD	TB	27.10.23	FIXED RAIL LOADING FACILITY			
B	23.09.23	ISSUED FOR 85% CLIENT REVIEW	JK	TB	MS	PPS.DET	DESIGNER	SDB	27.10.23	CIVIL EARTHWORK AND DRAINAGE			
A	01.05.23	ISSUED FOR 60% CLIENT REVIEW	JH	JH	JH	CONTRACT NO	DESIGN APPR	TB	27.10.23	DRAINAGE DETAILS SHEET 2 OF 4			
						CW9951	PROJECT APPR	MS	27.10.23	358-ENG-CI-DTD-0006			

NOTE
ALL DIMENSIONS ARE IN MILLIMETRES (mm)
UNLESS NOTED OTHERWISE.



TYPICAL SECTION OF TRAPEZOIDAL DRAIN
SCALE 1:50



TYPICAL SECTION OF V-DRAIN
SCALE 1:50

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL

DATE: 16/11/2023
REF: RESOLUTION 719
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER

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150 @ A1
1:50 @ A3

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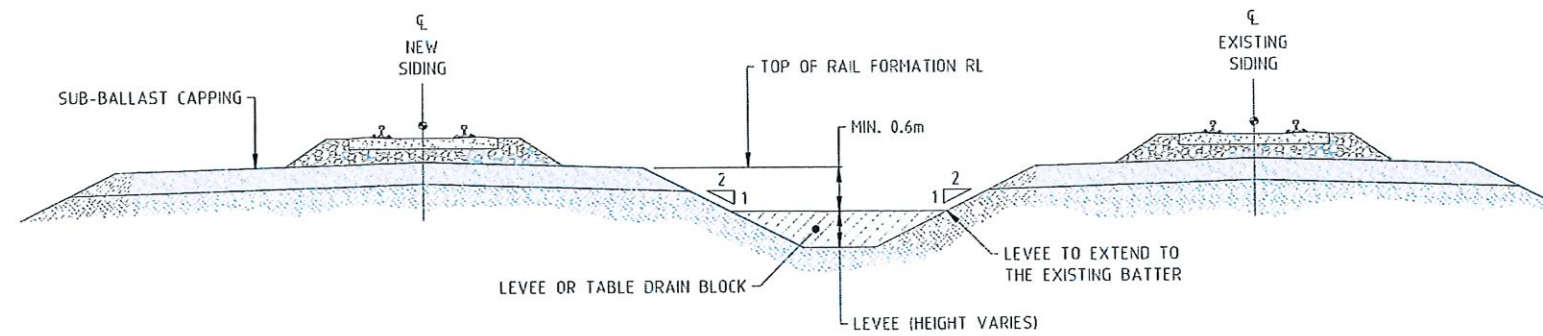


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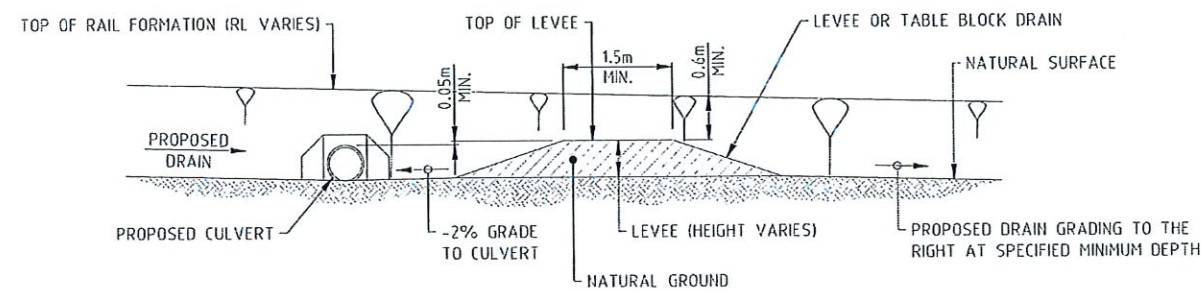


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C	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	HIS	1:50	DRAWN	AS	27.10.23	KONNONGORRING
B	23.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	HIS	A1	CHECKED	TB	27.10.23	FIXED RAIL LOADING FACILITY
A	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JC	TB	HIS	KONNONGORRING	CHECKED	S03	27.10.23	CIVIL EARTHWORK AND DRAINAGE
						PROJECT	DESIGN ATTN	TB	27.10.23	DRAINAGE DETAILS SHEET 3 OF 4
						CONTRACT NO	PROJECT APPR	VB	27.10.23	358-ENG-CI-DTD-0021
						CW9951				

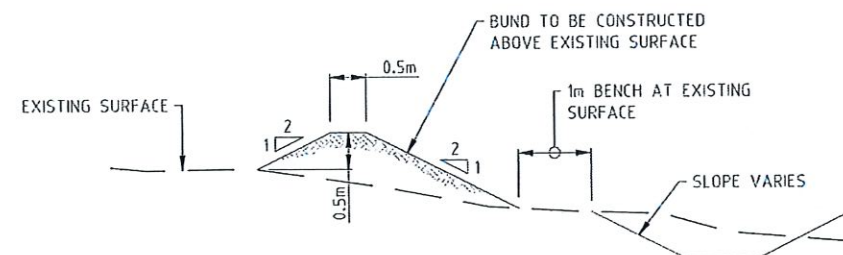
SHEET 3 OF 4
REV. C



TYPICAL SECTION OF LEVEE OR DRAIN BLOCK
SCALE 1:50



TYPICAL LONG SECTION THROUGH LEVEE OR DRAIN BLOCK
SCALE 1:50



TYPICAL DRAINAGE BUND DETAIL
SCALE 1:50

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL

DATE: 16/11/2023
REF: RESUBMISSION 719
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER

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1:50 @ A1 1:100 @ A3 0 1000 2000 3000 4000 5000 m

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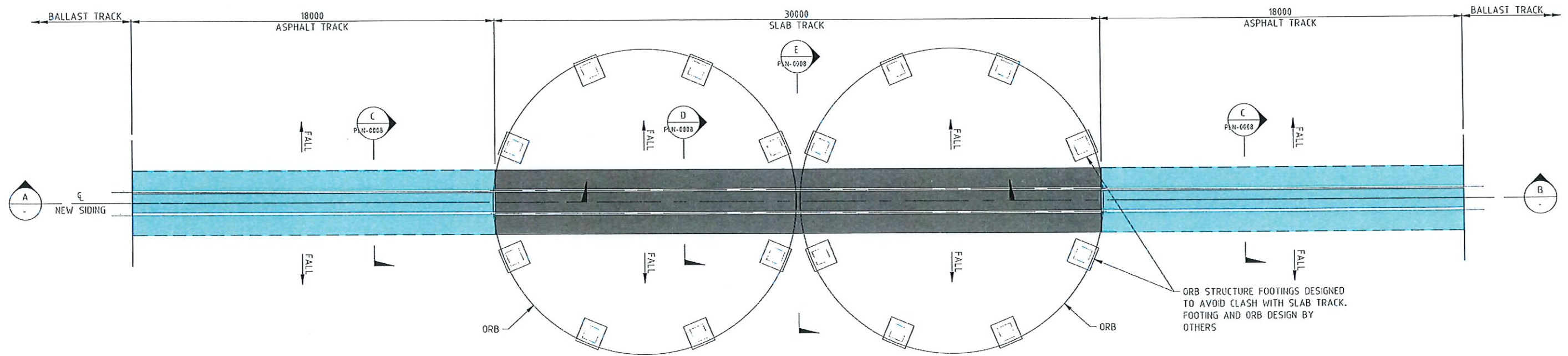
BGE Project No. PE22014

REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD	SCALE	DRAWN	AS	DATE	FILE
C	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB	1:50	DESIGN	AS	27.10.23	KONNONGORRING
B	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB	A1	DESIGN	TB	27.10.23	FIXED RAIL LOADING FACILITY
A	23.08.23	ISSUED FOR 95% CLIENT REVIEW	JC	TB	HB	KONNONGORRING	DESIGN	SOB	27.10.23	CIVIL EARTHWORK AND DRAINAGE
						CONTRACT No	DESIGN	TB	27.10.23	DRAINAGE DETAILS SHEET 4 OF 4
						CW9951	PROJECT	YB	27.10.23	358-ENG-CI-DTD-0022

SHEET 4 OF 4 REV. C

NOTE

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. NORTH ASPHALT TRACK: DISTANCE BETWEEN TOR TO TOF IS MAINTAINED AS 576mm AS PER THE FDCS SECTION LOCATED AT 2m AT THE NORTH OF THE ASPHALT TRACK



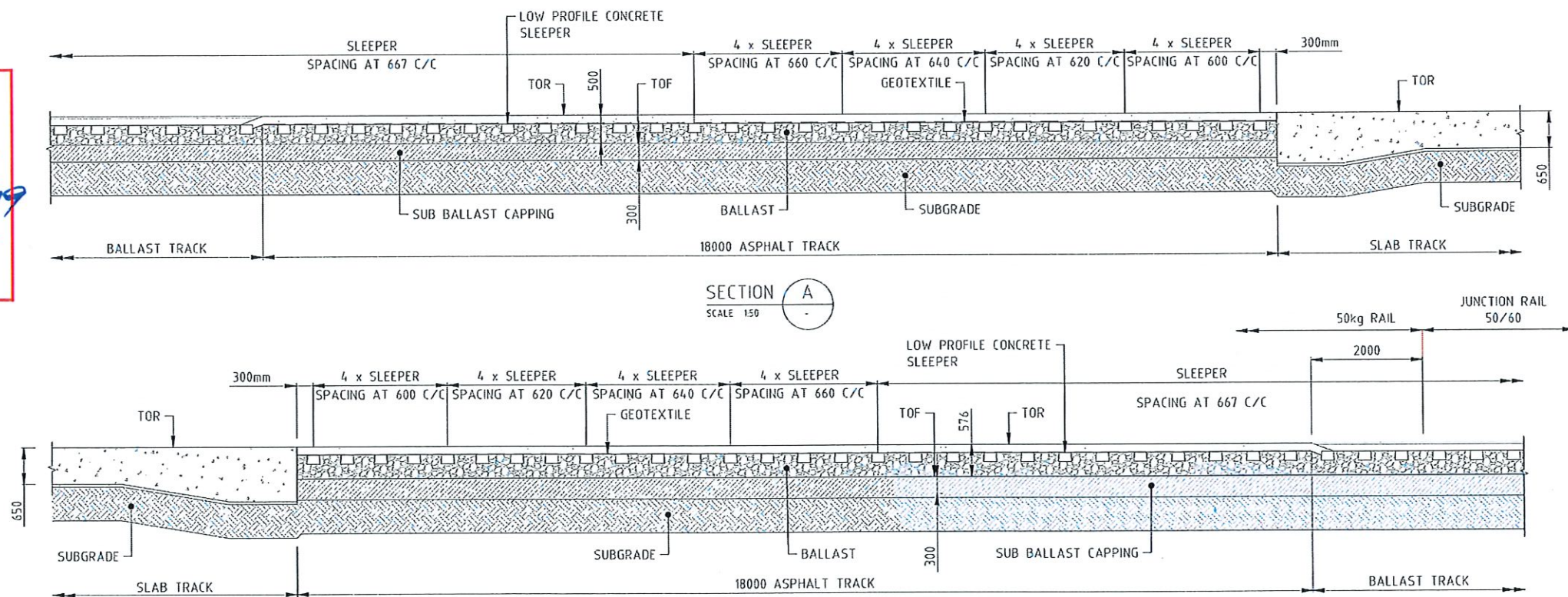
SLAB TRACK AND ASPHALT TRACK PLAN

SCALE 1:100

SHIRE OF GOOMALLING LOCAL PLANNING SCHEME NO. 3 DEVELOPMENT APPROVAL

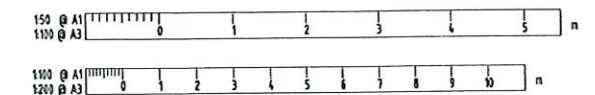
DATE: 16/11/2023
REF: RESOLUTION 719
SIGNED: [Signature]
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SECTION A
SCALE 1:50

SECTION B
SCALE 1:50



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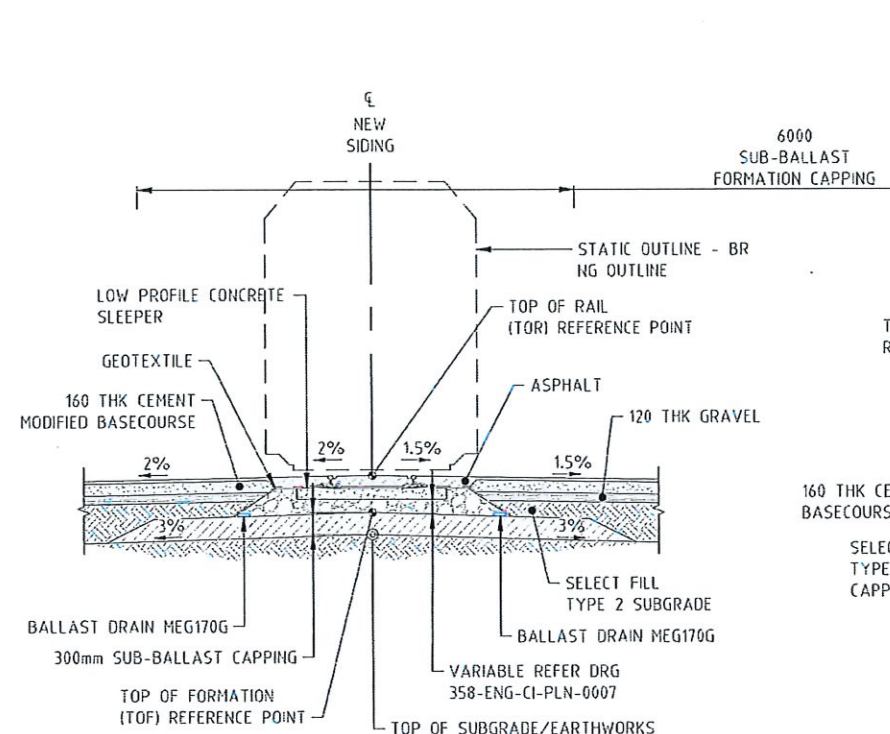
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D	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	MB
C	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	MB
B	23.09.23	ISSUED FOR 85% CLIENT REVIEW	JC	JH	MB
A	01.05.23	ISSUED FOR 60% CLIENT REVIEW	JH	DPR	MB

SCALE	1:50, 1:100	DRAWN	AS	27.10.23
SHEET	A1	CHECKED	JH	27.10.23
PROJECT	KONNONGORRING	DESIGNED	SOB	27.10.23
CONTRACT NO	CW9951	DESIGN APPR	JH	27.10.23
		PROJECT APPR	MB	27.10.23

TITLE
KONNONGORRING
FIXED RAIL LOADING FACILITY
RAIL AND CIVIL
SLAB TRACK PLAN AND SECTIONS
358-ENG-CI-PLN-0007

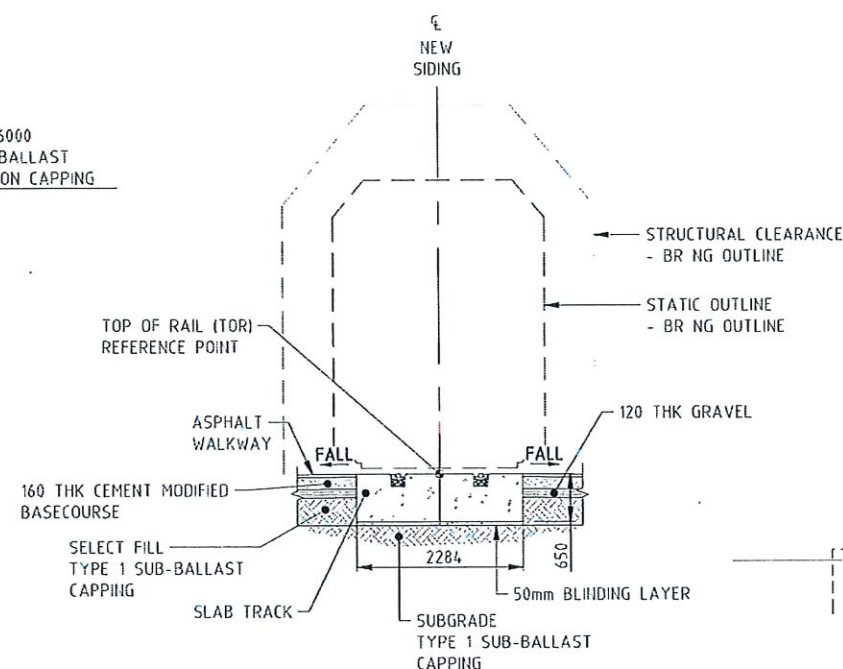
SHEET 1 OF 1
REV. D

- NOTES**
1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
 2. REFER DRAWING 358-ENG-CI-DSE-0041 FOR PAVEMENT DETAILS.



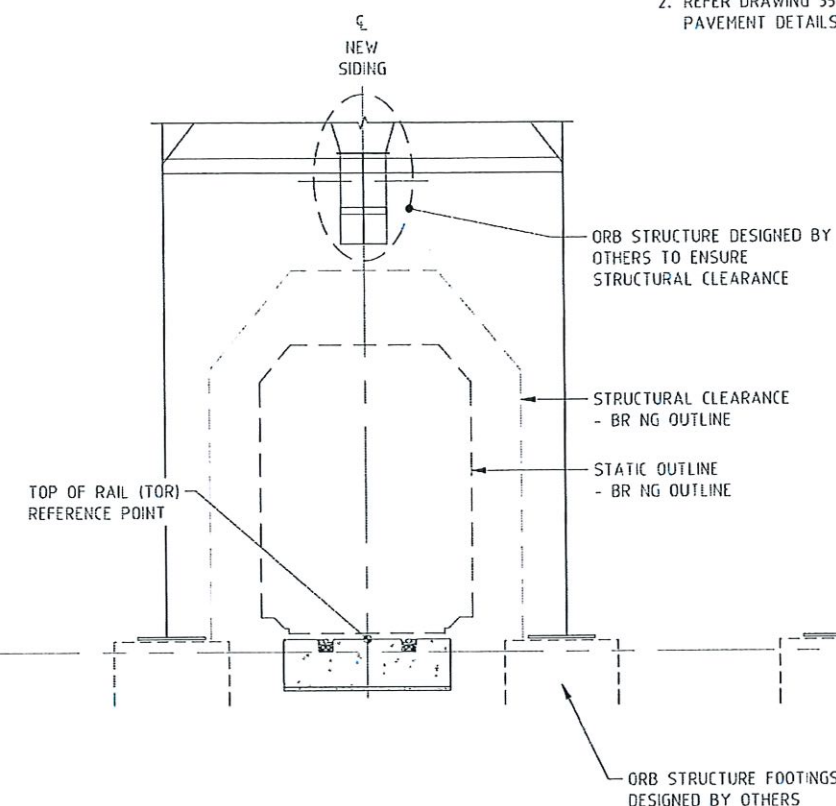
ASPHALT TRACK

SECTION C
SCALE 1:50
PLN-0007

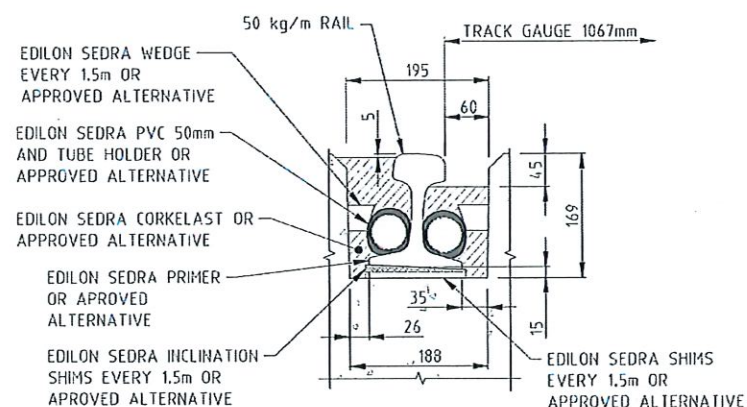


SLAB TRACK

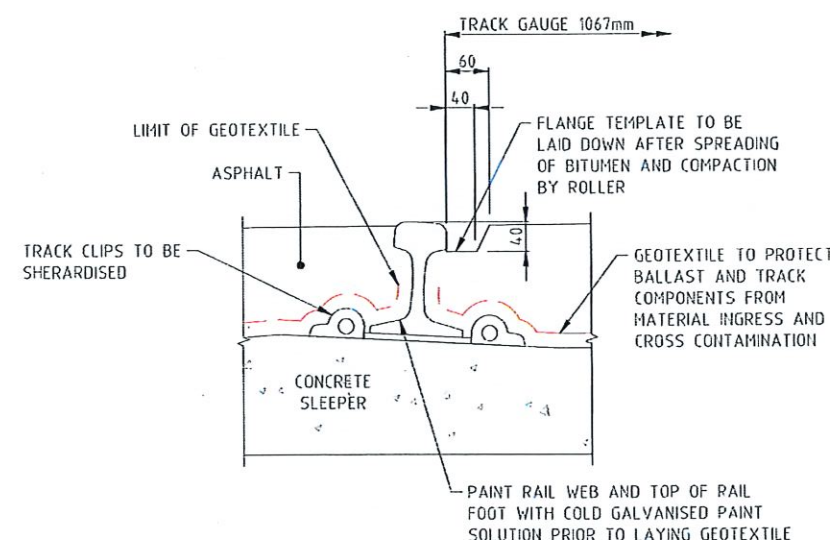
SECTION D
SCALE 1:50
PLN-0007



SECTION E
SCALE 1:50
PLN-0007

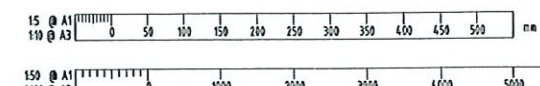


**TYPICAL RAIL DETAIL
AT SLAB TRACK
SCALE:1:5**



**TYPICAL RAIL DETAIL
AT ASPHALT TRACK
SCALE:1:5**

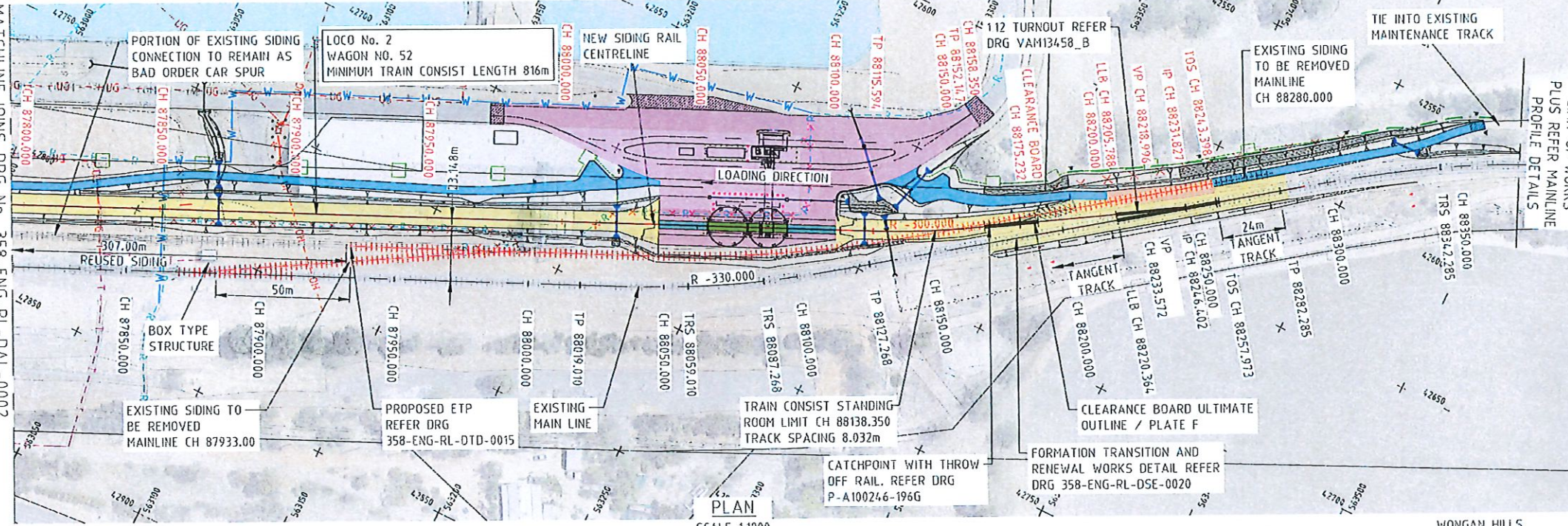
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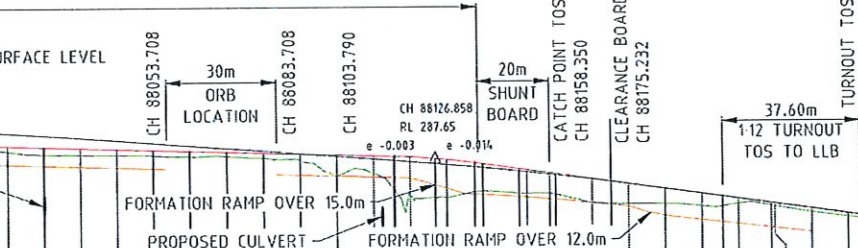
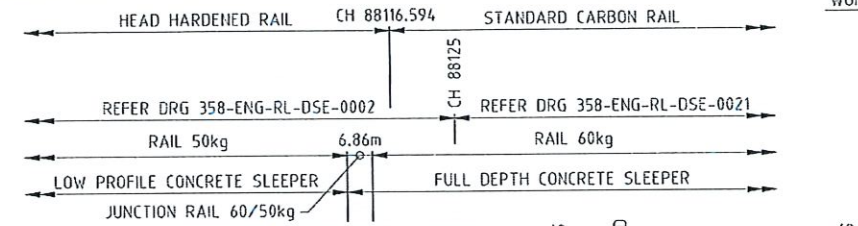


MATCHLINE JOINS DRG No. 358-ENG-RL-DAL-0002



SCALE 1:1000

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LONGITUDINAL PROFILE ALONG SIDING CL

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COPYRIGHT ©
THIS DRAWING AND THE CONTENTS
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IN WHOLE OR IN PART, IS THE EXCLUSIVE
INTELLECTUAL PROPERTY OF CBH GROUP
AND SHOULD NOT BE REPRODUCED OR
USED FOR ANY PURPOSE WITHOUT THE
PRIOR WRITTEN APPROVAL OF CBH GROUP.
DO NOT SCALE FROM THIS DRAWING

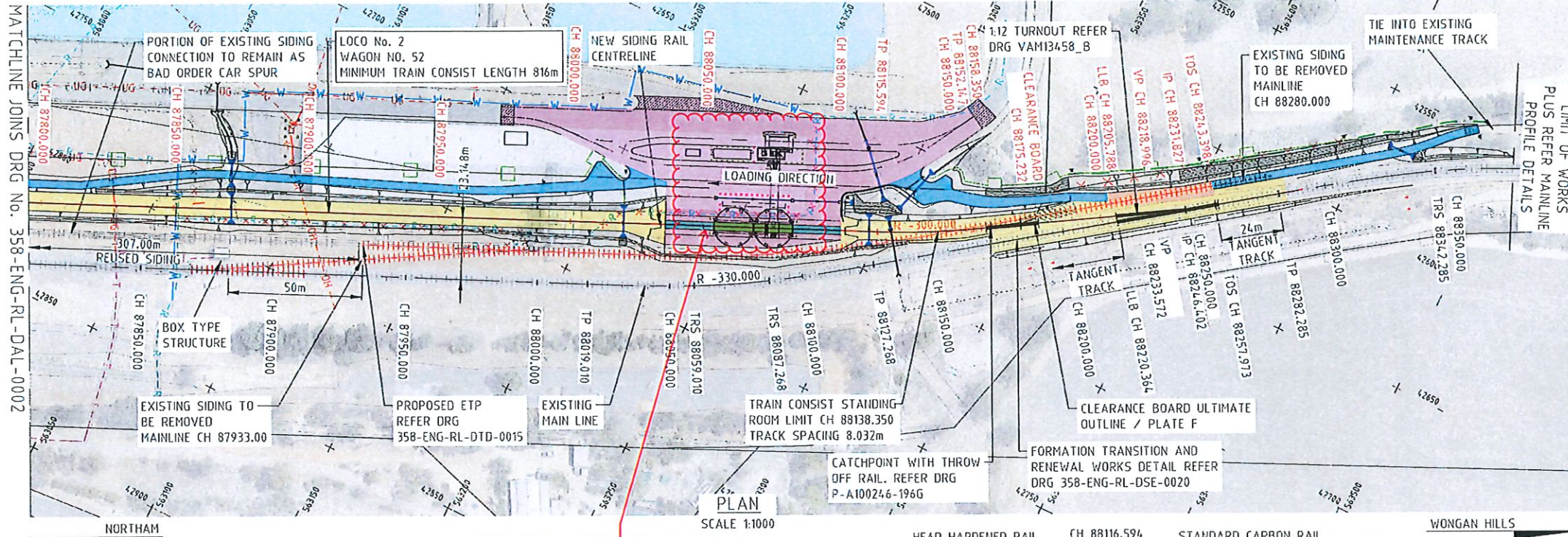


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556 Wellington St, Perth WA 6000
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BGSE Project No. PE22014



REV	DATE	REVISION DESCRIPTION	AS	TS	MS	SCALE	DATE	BY	CHKD	APPD
E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TS	MS	1:1000H, 1:100V	27.10.23	AS		
D	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TS	MS		27.10.23	AS		
C	23.08.23	ISSUED FOR 85% CLIENT REVIEW	AS	TS	MS		27.10.23	AS		
B	01.05.23	ISSUED FOR 65% CLIENT REVIEW	AS	TS	MS		27.10.23	AS		
A	16.12.22	ISSUED FOR 30% CLIENT REVIEW	AS	TS	MS		27.10.23	AS		

CONNONGORRING FIXED RAIL LOADING FACILITY RAIL AND CIVIL SIDING PLAN AND PROFILE SHEET 2 OF 2	358-ENG-RL-DAL-0003	2 OF 2	E
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- LEGEND**
- CADASTRAL BOUNDARY
 - CH 87201.248 — EXISTING MAINLINE CHAINAGES
 - EXISTING MAIN LINE/SIDING
 - RAIL TO BE REMOVED
 - PROPOSED CULVERT WITH HEADWALL
 - CH 87700.000 — PROPOSED SIDING CHAINAGES
 - PROPOSED SIDING/MAINLINE ALIGNMENT
 - MAINTENANCE/CONSTRUCTION PAD
 - BALLAST TRACK
 - CBH ACCESS ROAD
 - SLAB TRACK
 - ASPHALT TRACK
 - MAINTENANCE ACCESS TRACK
 - BALLAST ARRESTOR BED

- LONGITUDINAL PROFILE LEGEND**
- TOP OF SIDING LOW RAIL AT CL.
 - TOP OF FORMATION DESIGN AT CL.
 - EXISTING MAIN LINE
 - EXISTING SURFACE LEVEL

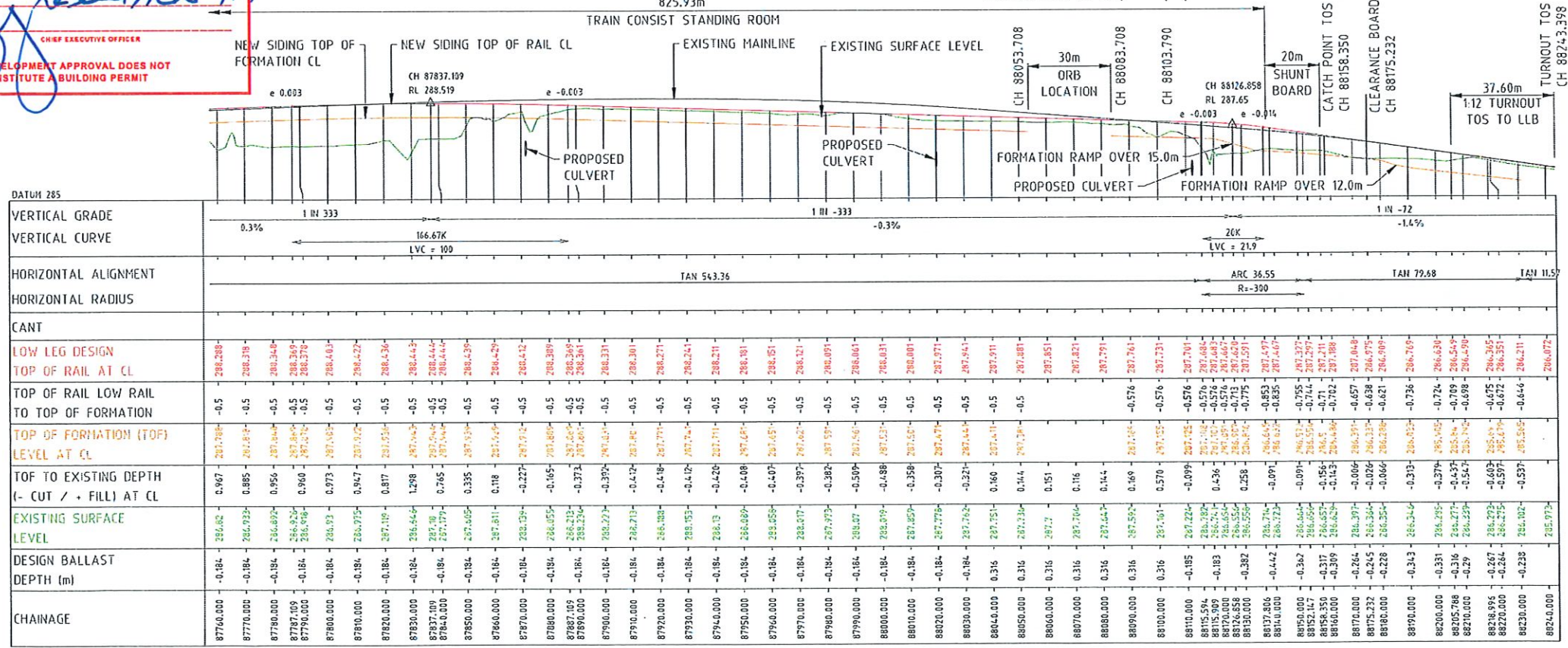
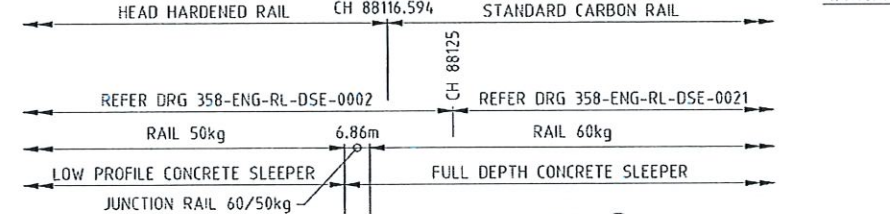
- DRAWING NOTES**
- ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
 - REFER TO DRG No. 358-ENG-RL-DGA-0001 AND 358-ENG-RL-DGA-0002 FOR GENERAL NOTES.
 - FOR TRACK STRUCTURE COMPONENTS ALONG SIDING REFER TO THE FOLLOWING:
60kg RAIL - 170mm
50kg RAIL - 154mm
JUNCTION RAIL 60/50 - 170/154mm
RAIL PAD - 8mm
FULL DEPTH CONCRETE SLEEPERS - 215mm
LOW PROFILE CONCRETE SLEEPERS - 155mm
 - FOR TRACK STRUCTURE COMPONENTS ALONG MAINLINE REFER TO THE FOLLOWING:
60kg RAIL - 170mm
JUNCTION RAIL 60/41 - 170/136.5mm
JUNCTION RAIL 41/31 - 136.5/117.5mm
EXISTING 31kg RAIL
RAIL PAD - 8mm
FULL DEPTH CONCRETE SLEEPERS - 215mm
EXISTING TIMBER SLEEPERS
EXISTING STEEL SLEEPERS
 - TURNOUTS AND CATCHPOINTS TO BE MANUFACTURED FROM HEAD HARDENED RAIL
JUNCTION RAILS TO BE MANUFACTURED FROM STANDARD CARBON

SURVEY

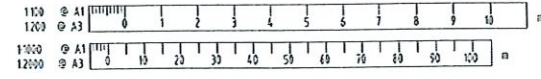
COORDINATE REFERENCE SYSTEM	MGA94 ZONE 50
HEIGHT DATUM	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 16/11/2023
REF: RESOLUTION 719
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER
NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT

The out-loading facility and over rail bins infrastructure (above ground works) are shown for information purposes and do not form part of this Application. Refer to General Arrangement Plan 358-ENG-RL-DGA-003 Rev E for works subject of this Application.



LONGITUDINAL PROFILE ALONG SIDING CL
SCALE 1:1000H 1:100V



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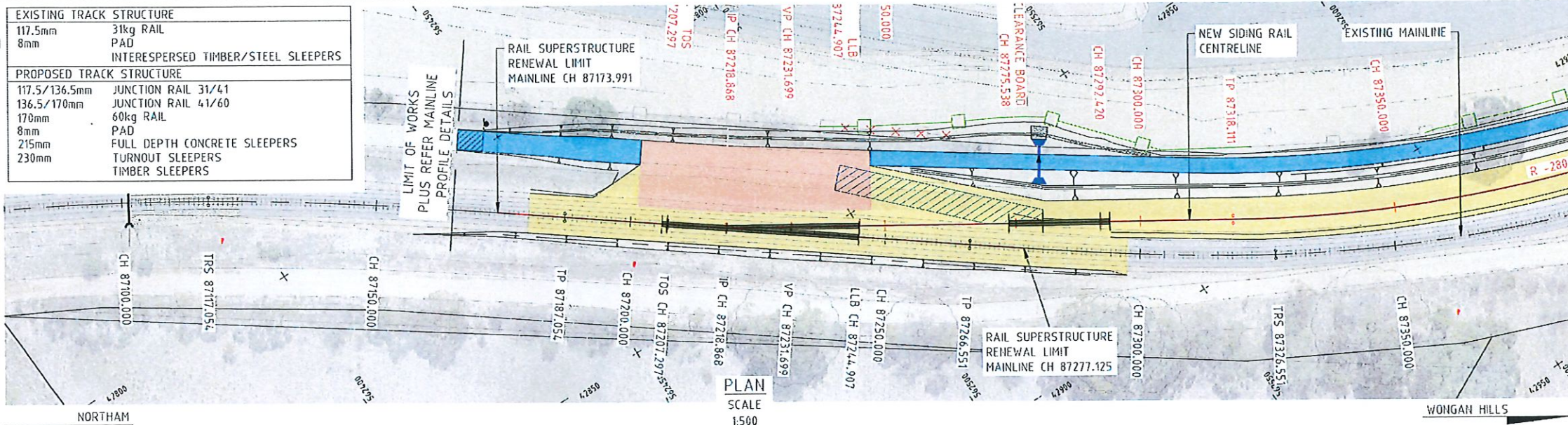
REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD
E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TD	YS
D	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TD	YS
C	23.09.23	ISSUED FOR 85% CLIENT REVIEW	JK	JH	YS
B	01.05.23	ISSUED FOR 60% CLIENT REVIEW	LJ	DPH	YS
A	15.12.22	ISSUED FOR 30% CLIENT REVIEW	LJ	DPH	YS

SCALE	1:1000H, 1:100V	DRWN	AS	27.10.23
SHEET	A1	CHECKED	JH	27.10.23
PROJECT	KONNONGORRING	DESIGNED	SDB	27.10.23
CONTRACT NO.	CW9951	DESIGN APPR	JH	27.10.23
PROJECT APPR	YS			27.10.23

KONNONGORRING
FIXED RAIL LOADING FACILITY
RAIL AND CIVIL
SIDING PLAN AND PROFILE SHEET 2 OF 2
358-ENG-RL-DAL-0003
2 OF 2
REV. E



EXISTING TRACK STRUCTURE	
117.5mm	31kg RAIL
8mm	PAD
INTERSPERSED TIMBER/STEEL SLEEPERS	
PROPOSED TRACK STRUCTURE	
117.5/136.5mm	JUNCTION RAIL 31/41
136.5/170mm	JUNCTION RAIL 41/60
170mm	60kg RAIL
8mm	PAD
215mm	FULL DEPTH CONCRETE SLEEPERS
230mm	TURNOUT SLEEPERS
	TIMBER SLEEPERS



LEGEND

---	CADASTRAL BOUNDARY
CH 87201.248	EXISTING MAINLINE CHAINAGES
=====	EXISTING MAIN LINE/SIDING
=====	RAIL TO BE REMOVED
=====	PROPOSED CULVERT WITH HEADWALLS
CH 87700.000	PROPOSED SIDING CHAINAGES
---	PROPOSED SIDING/MAINLINE ALIGNMENT
=====	MAINTENANCE/CONSTRUCTION PAD
=====	BALLAST TRACK
=====	CBH ACCESS ROAD
=====	SLAB TRACK
=====	ASPHALT TRACK
=====	MAINTENANCE ACCESS TRACK
=====	BALLAST ARRESTOR BED

LONGITUDINAL PROFILE LEGEND

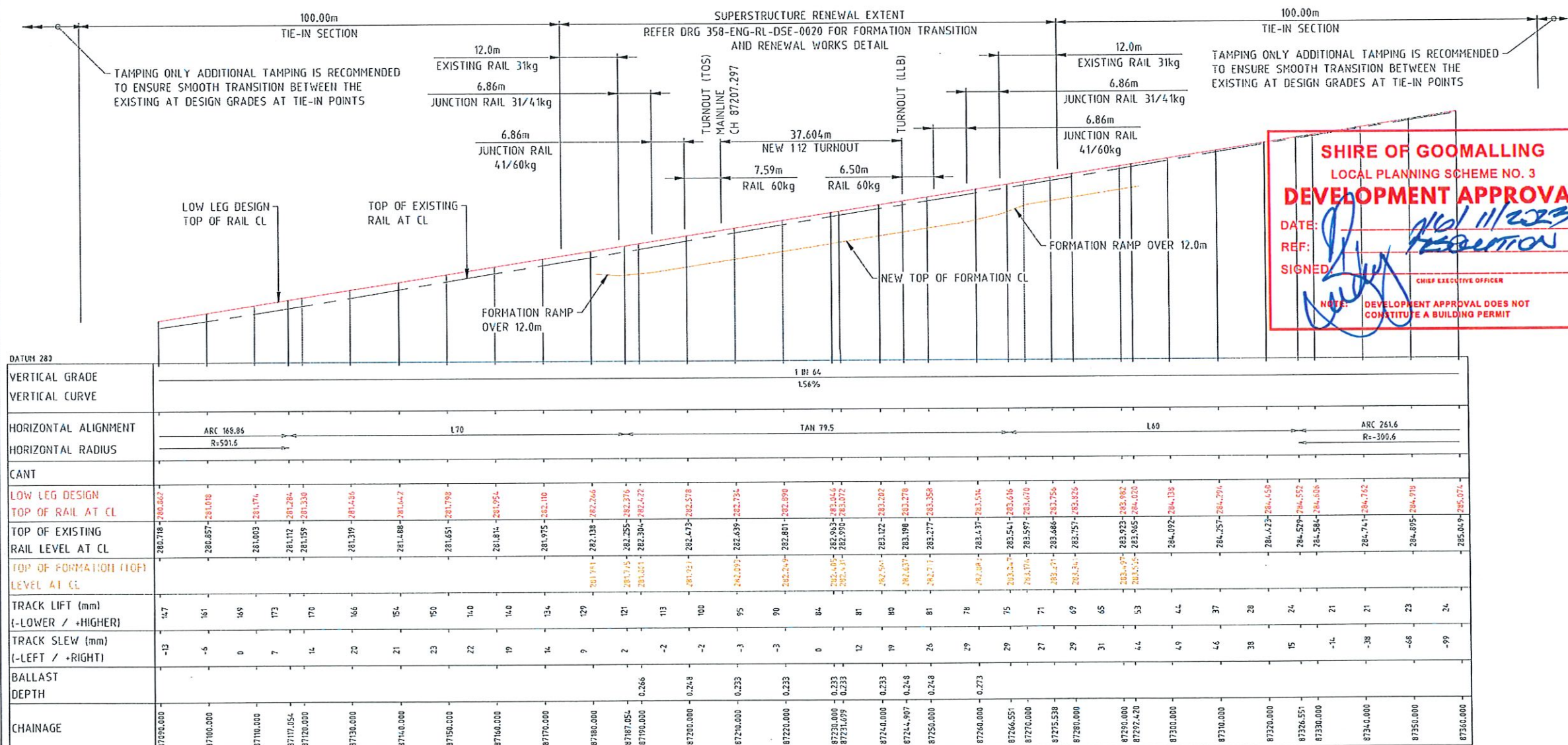
---	TOP OF DESIGN RAIL AT CL.
---	TOP OF EXISTING RAIL AT CL.
---	TOP OF FORMATION DESIGN AT CL.

DRAWING NOTES

- ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
- REFER TO DRG No. 358-ENG-RL-DGA-0001 AND 358-ENG-RL-DGA-0002 FOR GENERAL NOTES.
- FOR TRACK STRUCTURE COMPONENTS ALONG SIDING REFER TO THE FOLLOWING:
60kg RAIL - 170mm
50kg RAIL - 154mm
JUNCTION RAIL 60/50 - 170/154mm
RAIL PAD - 8mm
FULL DEPTH CONCRETE SLEEPERS - 215mm
LOW PROFILE CONCRETE SLEEPERS - 155mm
- FOR TRACK STRUCTURE COMPONENTS ALONG MAINLINE REFER TO THE FOLLOWING:
60kg RAIL - 170mm
JUNCTION RAIL 60/41 - 170/136.5mm
JUNCTION RAIL 41/31 - 136.5/117.5mm
EXISTING 31kg RAIL
RAIL PAD - 8mm
FULL DEPTH CONCRETE SLEEPERS - 215mm
EXISTING TIMBER SLEEPERS
EXISTING STEEL SLEEPERS
- TURNOUTS AND CATCHPOINTS TO BE MANUFACTURED FROM HEAD HARDENED RAIL
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- DESIGN BALLAST DEPTH IS ONLY PROVIDED IN THE SECTIONS WHERE THERE ARE CHANGES IN THE EXISTING BALLAST DEPTH. IF NO INFORMATION IS PROVIDED, BALLAST DEPTH IS AS EXISTING (ADDING THE PROPOSED LIFT).

SURVEY

COORDINATE REFERENCE SYSTEM:	MGA94 ZONE 50
HEIGHT DATUM:	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR:	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES

LONGITUDINAL PROFILE ALONG SIDING CL
SCALE 1:500H 1:50V

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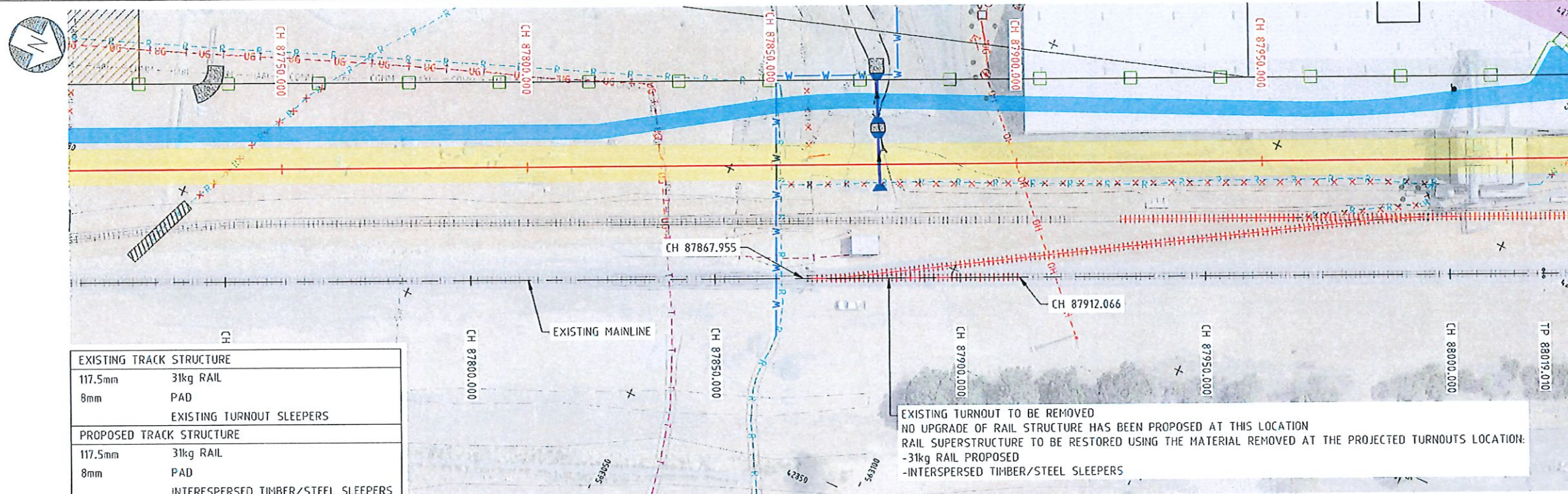


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REV	DATE	REVISION DESCRIPTION	SCALE	DATE	BY	CHKD	APPD
E	27.12.23	RE-ISSUED FOR 100% CLIENT REVIEW	1:500H, 1:50V	27.12.23	AS	TD	HS
D	28.02.23	ISSUED FOR 100% CLIENT REVIEW	1:500H, 1:50V	27.12.23	AS	TD	HS
C	23.03.23	ISSUED FOR 85% CLIENT REVIEW	1:500H, 1:50V	27.12.23	JK	JH	HS
B	01.05.23	ISSUED FOR 60% CLIENT REVIEW	1:500H, 1:50V	27.12.23	JH	DPR	HS
A	15.12.22	ISSUED FOR 30% CLIENT REVIEW	1:500H, 1:50V	27.12.23	LJ	DPR	HS

DATE	27.12.23	FILE	KONNONGORRING
DATE	27.12.23	FIXED RAIL LOADING FACILITY	
DATE	27.12.23	RAIL AND CIVIL	
DATE	27.12.23	MAINLINE PLAN AND PROFILE SHEET 1 OF 3	
DATE	27.12.23	358-ENG-RL-DAL-0004	

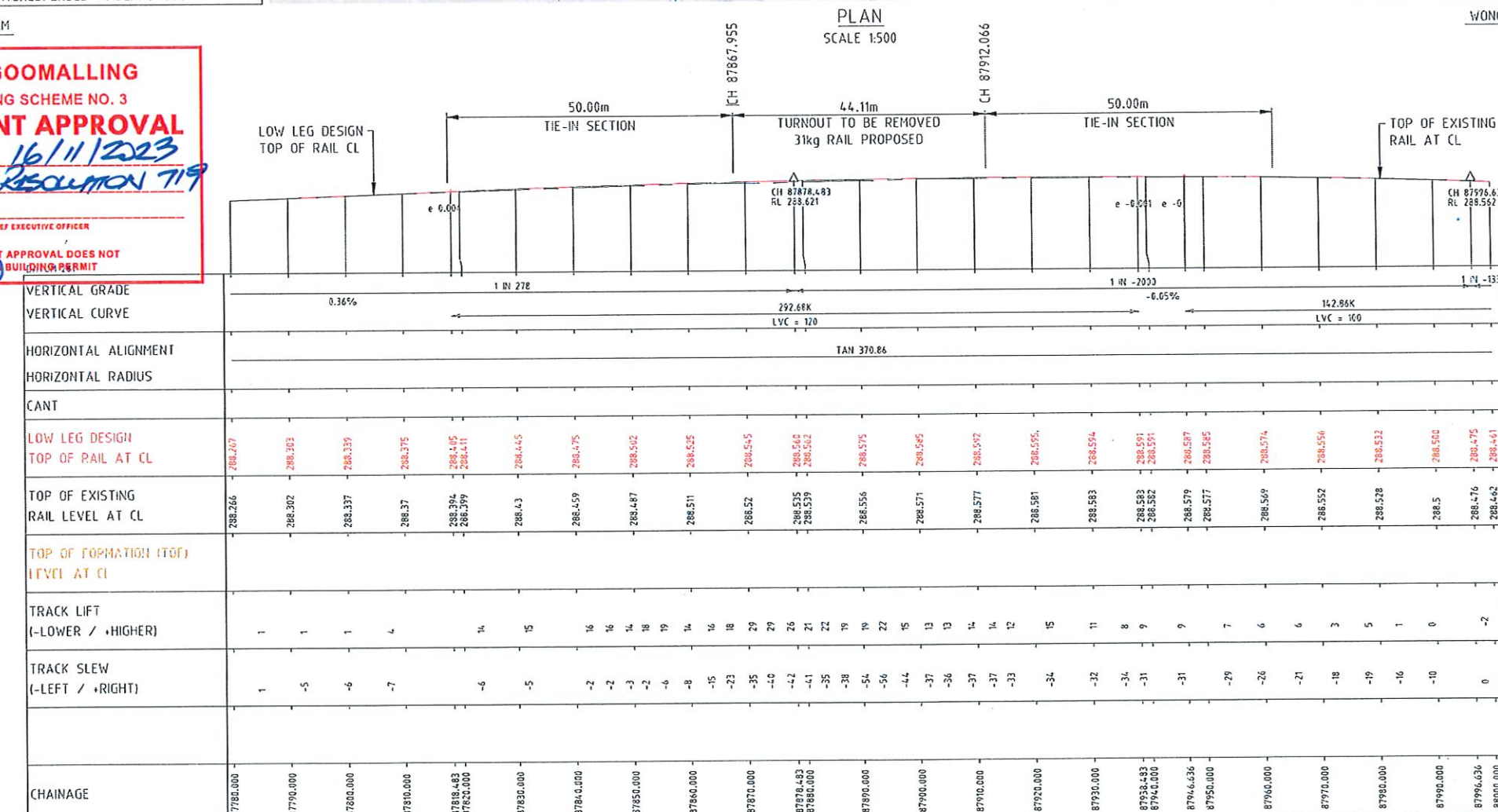


LEGEND	
	CADASTRAL BOUNDARY
	CH 87201.248 — EXISTING MAINLINE CHAINAGES
	EXISTING MAIN LINE/SIDING
	RAIL TO BE REMOVED
	PROPOSED CULVERT WITH HEADWALLS
	CH 87790.000 — PROPOSED SIDING CHAINAGES
	PROPOSED SIDING/MAINLINE ALIGNMENT
	MAINTENANCE/CONSTRUCTION PAD
	BALLAST TRACK
	CBH ACCESS ROAD
	SLAB TRACK
	ASPHALT TRACK
	MAINTENANCE ACCESS TRACK
	BALLAST ARRESTOR BED

LONGITUDINAL PROFILE LEGEND	
	TOP OF DESIGN RAIL AT CL.
	TOP OF EXISTING RAIL AT CL.
	TOP OF FORMATION DESIGN AT CL.

- DRAWING NOTES**
- ALL DIMENSIONS ARE IN METRES (m) UNLESS NOTED OTHERWISE.
 - REFER TO DRG No. 358-ENG-RL-DGA-0001 AND 358-ENG-RL-DGA-0002 FOR GENERAL NOTES.
 - FOR TRACK STRUCTURE COMPONENTS ALONG SIDING REFER TO THE FOLLOWING:
60kg RAIL - 170mm
50kg RAIL - 154mm
JUNCTION RAIL 60/50 - 170/154mm
RAIL PAD - 8mm
FULL DEPTH CONCRETE SLEEPERS - 215mm
LOW PROFILE CONCRETE SLEEPERS - 155mm
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60kg RAIL - 170mm
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JUNCTION RAIL 41/31 - 136.5/117.5mm
EXISTING 31kg RAIL
RAIL PAD - 8mm
FULL DEPTH CONCRETE SLEEPERS - 215mm
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EXISTING STEEL SLEEPERS
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SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 16/11/2023
REF: RESOLUTION 719
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LONGITUDINAL PROFILE ALONG SIDING CL
SCALE 1:500H 1:50V

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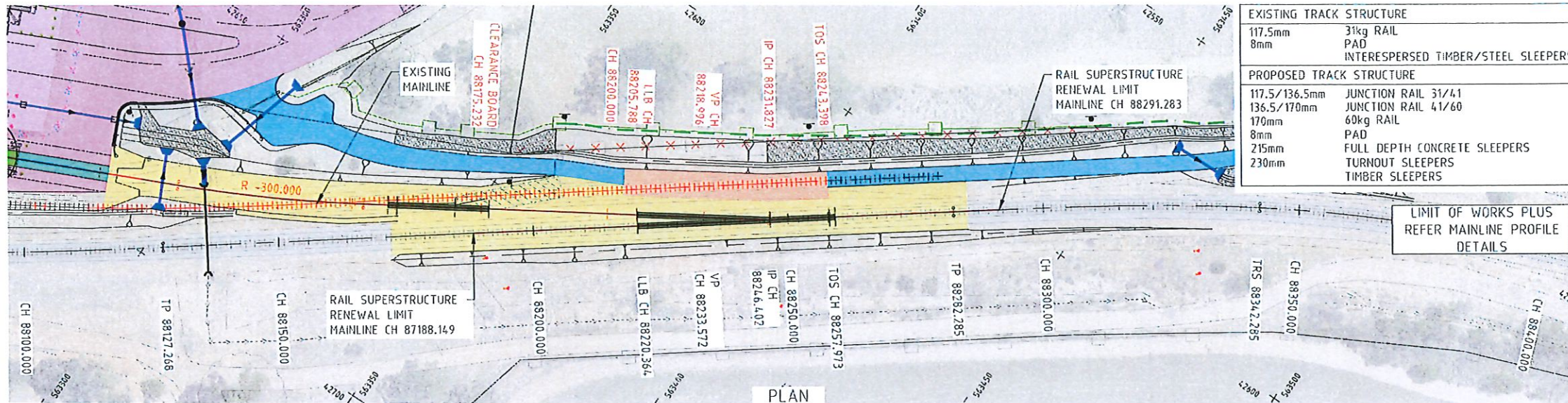


REV	DATE	REVISION DESCRIPTION
E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW
D	28.07.23	ISSUED FOR 100% CLIENT REVIEW
C	23.03.23	ISSUED FOR 85% CLIENT REVIEW
B	01.05.23	ISSUED FOR 40% CLIENT REVIEW
A	16.12.22	ISSUED FOR 30% CLIENT REVIEW

REV	DATE	REVISION DESCRIPTION
AS	TB	MB
AS	TB	MB
JL	JH	MB
JH	CPH	MB
LJ	CPH	MB
RE	CPH	APFD

SCALE	DATE	BY	CHKD	APPD
1:500H, 1:50V	27.10.23	AS		
A1	27.10.23	JH		
DESIGNED	27.10.23	SOB		
DESIGN APPR	27.10.23	JH		
PROJECT APPR	27.10.23	MB		

PROJECT	DATE	BY	CHKD	APPD
KONNONGORRING	27.10.23	AS		
FIXED RAIL LOADING FACILITY	27.10.23	JH		
RAIL AND CIVIL	27.10.23	SOB		
MAINLINE PLAN AND PROFILE SHEET 2 OF 3	27.10.23	JH		
358-ENG-RL-DAL-0005	27.10.23	MB		



EXISTING TRACK STRUCTURE	
117.5mm	31kg RAIL
8mm	PAD
	INTERSPERSED TIMBER/STEEL SLEEPERS
PROPOSED TRACK STRUCTURE	
117.5/136.5mm	JUNCTION RAIL 31/41
136.5/170mm	JUNCTION RAIL 41/60
170mm	60kg RAIL
8mm	PAD
215mm	FULL DEPTH CONCRETE SLEEPERS
230mm	TURNOUT SLEEPERS
	TIMBER SLEEPERS

LEGEND

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	EXISTING MAIN LINE/SIDING
	RAIL TO BE REMOVED
—	PROPOSED CULVERT WITH HEADWALLS
CH 87700.000 —	PROPOSED SIDING CHAINAGES
—	PROPOSED SIDING/MAINLINE ALIGNMENT
—	MAINTENANCE/CONSTRUCTION PAD
—	BALLAST TRACK
—	CBH ACCESS ROAD
—	SLAB TRACK
—	ASPHALT TRACK
—	MAINTENANCE ACCESS TRACK
—	BALLAST ARRESTOR BED

LONGITUDINAL PROFILE LEGEND

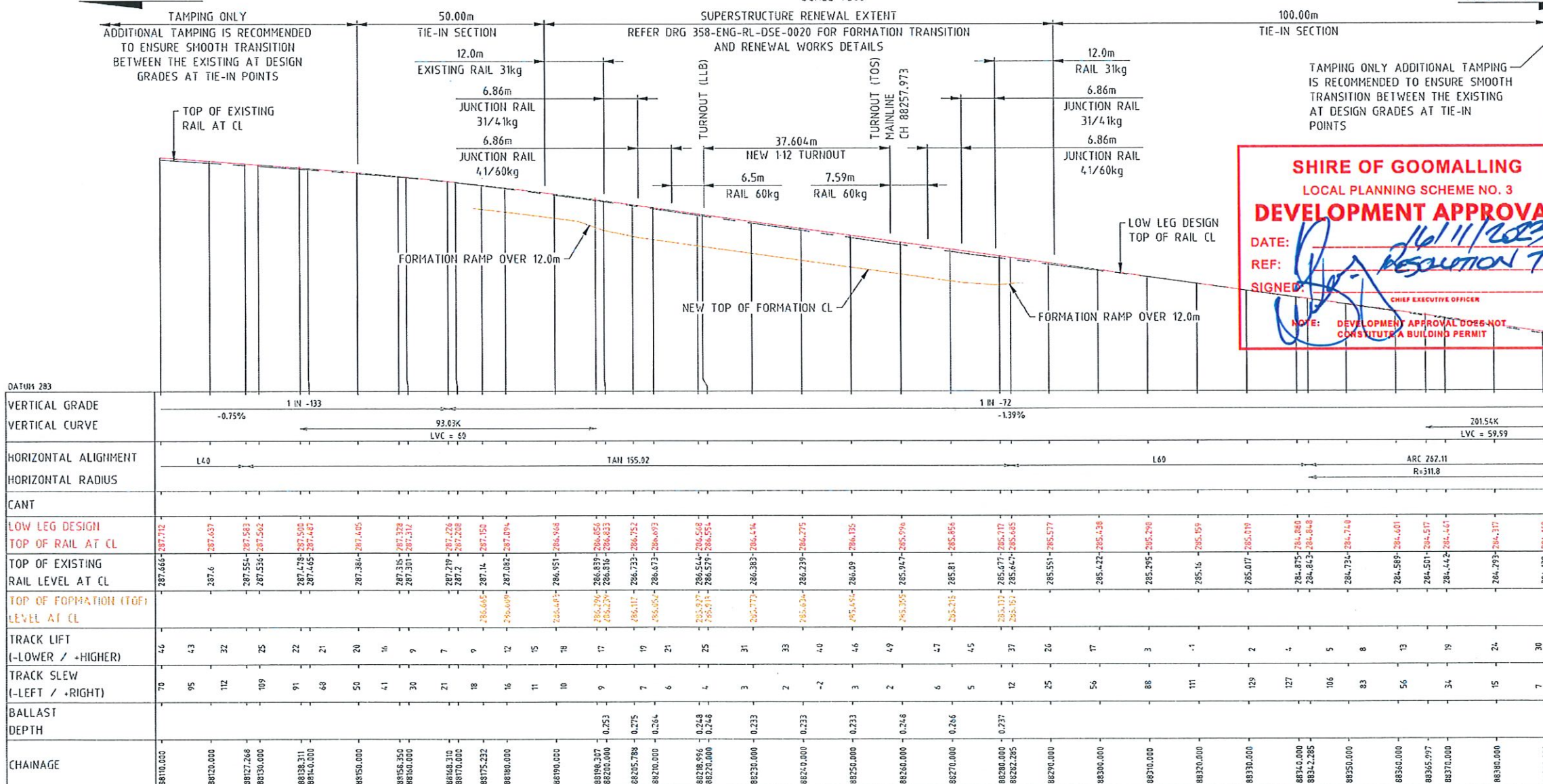
—	TOP OF DESIGN RAIL AT CL.
—	TOP OF EXISTING RAIL AT CL.
—	TOP OF FORMATION DESIGN AT CL.

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SURVEY

COORDINATE REFERENCE SYSTEM:	MGA94 ZONE 50
HEIGHT DATUM:	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR:	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES



SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 16/11/2023
REF: Resolution 79A
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LONGITUDINAL PROFILE ALONG SIDING CL
SCALE 1:500H 1:50V

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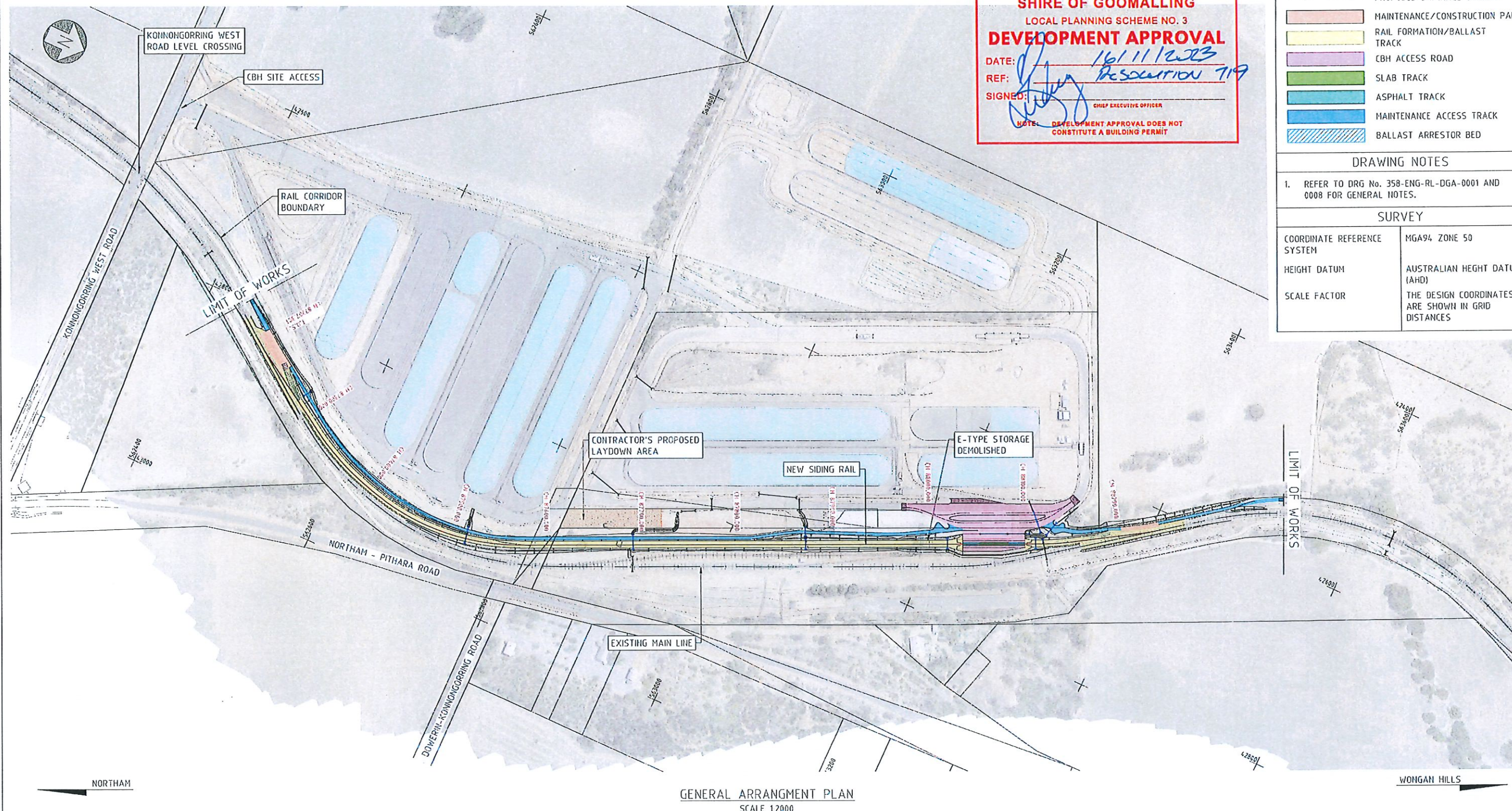


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REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD
D	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB
C	23.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB
B	23.09.23	ISSUED FOR 85% CLIENT REVIEW	AC	JH	HB
A	01.05.23	ISSUED FOR 60% CLIENT REVIEW	JH	DFR	HB

THE	KONNONGORRING FIXED RAIL LOADING FACILITY RAIL AND CIVIL MAINLINE PLAN AND PROFILE SHEET 3 OF 3	SHEET	3 OF 3	REV.	D
DRWN	AS	27.10.23	DESIGNED	JH	27.10.23
DESIGNED	SOB	27.10.23	DESIGN APPR	JH	27.10.23
PROJECT APPR	YB	27.10.23	CONTRACT NO	CW9951	



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REV	DATE	REVISION DESCRIPTION	BY	CHKD	APP'D	SCALE	DRAWN	AS	28.09.23	FILE
E	19.10.23	ISSUED FOR DA APPROVAL - FACILITY STRUCTURE REMOVED	AS	PH	H3	1:2000	AS	AS	28.09.23	KONNONGORRING
D	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	H3	A1	CHCKD	AE	28.09.23	FIXED RAIL LOADING FACILITY
C	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JK	TB/PH	H3	PROJECT	DESIGNED	SDB	28.09.23	RAIL AND CIVIL
B	01.05.23	ISSUED FOR 60% CLIENT REVIEW	JH	OPR	H3	KONNONGORRING	DESIGN APPR	TB	28.09.23	GENERAL ARRANGEMENT PLAN
A	16.12.22	ISSUED FOR 30% CLIENT REVIEW	LJ	OPR	H3	CONTRACT NO.	PROJECT APPR	H3	28.09.23	358-ENG-RL-DGA-0003
PEP	DRAWING NO.	REFERENCE DRAWING TITLE	BY	CHKD	APP'D	CW9951	PROJECT APPR	H3	28.09.23	SHEET 1 OF 1

Diagram illustrating the cross-section of a road construction, showing various layers and slopes:

- SUB-BALLAST CAPPING
- NEW SIDING
- TOP OF RAIL (TOR) REFERENCE POINT
- EXISTING SURFACE LEVEL
- BATTER SLOPE TO BE DETERMINED ACCORDING TO THE TYPE OF MATERIAL
- SUBGRADE 600mm TYPE 2 SUBGRADE MATERIAL PER ARC SPEC W880-400-D14 OR BGER AMENDED SPEC AS PER 358-3057-CI-RPT-0001
- FOUNDATION ASSESSMENT AS PER GENERAL EARTHWORKS NOTES
- VARIES
- Slopes: 2:1, 3%, 2:1, 3%, 2:1, 1:2

EXISTING ELECTRICAL TRANSFORMER CABINET TO REMAIN AND BE PROTECTED

1000

3000 MIN. ACCESS TRACK

5157 CLEARANCE

500 (TYP.) 50 MIN.

NEW BOLLARD

EXISTING SURFACE LEVEL

NEW SIDING

TOP OF RAIL (TOR) REFERENCE POINT

EXISTING BLUE METAL

2 MAX. 1

3%

3%

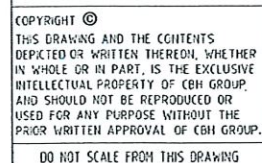
2 1

The diagram illustrates a cross-section of a proposed road structure. The top layer is labeled 'NEW SIDING' with a 'TOP OF RAIL (TOR) REFERENCE POINT' indicated. Below this is a 'SUB-BALLAST CAPPING' layer. The structure is flanked by slopes with a 3% gradient. The base of the structure is labeled 'SUBGRADE 600mm TYPE 2 SUBGRADE MATERIAL PER ARC SPEC W880-400-014 OR BGER AMENDED SPEC AS PER 358-3057-(1-RPT-0001)'. The existing ground level is shown as a dashed line labeled 'EXISTING SURFACE LEVEL'. The foundation assessment is noted as 'FOUNDATION ASSESSMENT AS PER GENERAL EARTHWORKS NOTES'. Slope ratios are indicated as 2:1 on both sides.

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL

DATE: 16/11/2023
REF: RESOLUTION 71
SIGNED: [Signature] CHIEF EXECUTIVE OFFICER

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[illegible]

60kg RAIL CONTINUOUSLY WELDED
SLEEPER SPACING 667mm.
SLEEPER SPACING VARIES ADJACENT TO
TURNOUTS, CATCHPOINTS AND SLAB TRACK

NEW SIDING

TOP OF RAIL
(TOR) REFERENCE POINT

RAIL FASTENING AS PER WG20610-CLIENT_A
PANDROL S.G. IRON SHOULDER

300 MIN. AND 450mm FOR CURVED TRACK WITH R<600m

WALKWAY

3%

1.5

1

2

1

3%

2

1

REFER 358-ENG-RL-DSE-0001
FOR SUBGRADE DETAILS

TOP OF FORMATION (TOF)
REFERENCE POINT

2150

2750

300mm DEEP SUB-BALLAST
FORMATION CAPPING

TOP OF SUBGRADE/EARTHWORKS

4250

3000

1067

576

215

300

300

50kg RAIL CONTINUOUSLY WELDED
SLEEPER SPACING 667mm.
SLEEPER SPACING VARIES ADJACENT TO
TURNOUTS, CATCHPOINTS AND SLAB TRACK

NEW SIDING

TOP OF RAIL
(TOR) REFERENCE POINT

RAIL FASTENING AS PER WGS490-09_4
PANDROL S.G. IRON SHOULDER

300 MIN. AND 450mm FOR CURVED TRACK WITH R<600m

WALKWAY

3%

1.5
1

2
1

300mm DEEP SUB-BALLAST
FORMATION CAPPING

TOP OF SUBGRADE/EARTHWORKS

2050

2650

3000

4250

TOP OF FORMATION (TOF)
REFERENCE POINT

REFER 358-ENG-RL-DSE-0001
FOR SUBGRADE DETAILS

1067

500

155

200

300

1.5
1

3%

120 @ A1
140 @ A2

0 200 400 600 800 1000 1200 1400 1600 1800 2000

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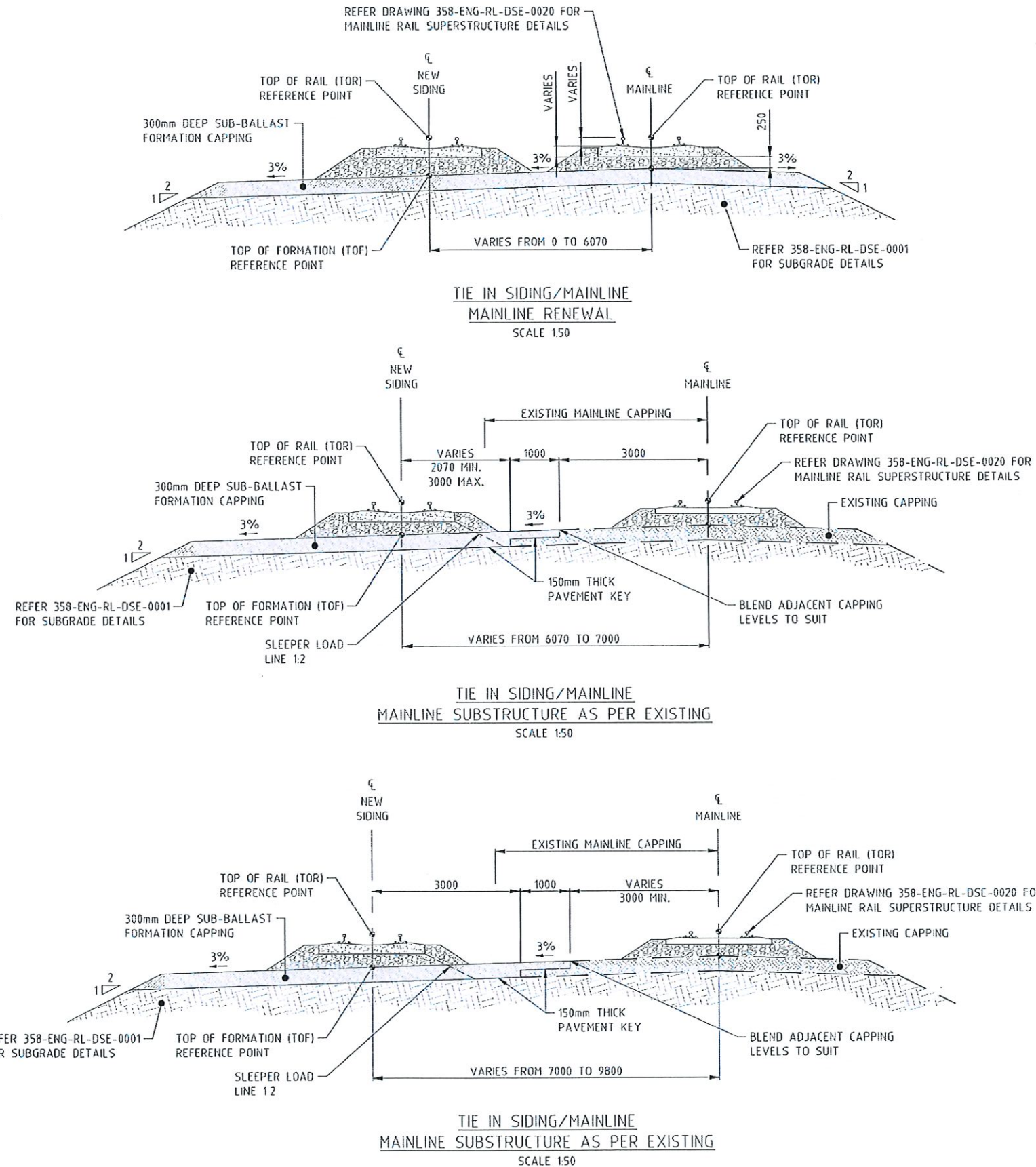
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							SCALE	DRAWN	AS	27.10.23	TITLE KONNONGORRING FIXED RAIL LOADING FACILITY RAIL AND CIVIL TYPICAL CROSS SECTIONS SHEET 2 OF 4			
		E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	H3	A1						
		D	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	H3		DHECKED	TB		27.10.23		
		C	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JC	JH	M3		DESIGNED	SOB		27.10.23		
		B	01.05.23	ISSUED FOR 40% CLIENT REVIEW	JH	GFR	M3		PROJECT					
		A	16.12.22	ISSUED FOR 30% CLIENT REVIEW	LJ	GFR	M3		CONTRACT APPR	JH		27.10.23		
							CONTRACT No							
REF DRAWING No.	REFERENCE DRAWING TITLE	REV	DATE	REVISION DESCRIPTION	EF	CHKD	APPD	CW9951	PROJECT APPR	YB	27.10.23	CDG No 358-ENG-RL-DSE-0002	SHEET 2 OF 4	REV.

NOTE

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. REFER TO PROFILE DRG No's. 358-ENG-RL-DAL-0002, 0003 AND 0004 FOR SECTION EXTENTS.



SHIRE OF GOOMALLING
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DEVELOPMENT APPROVAL

DATE: 16/11/2023
REF: RESOLUTION 7.9
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER

NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT

1:50 @ A1
1:100 @ A3

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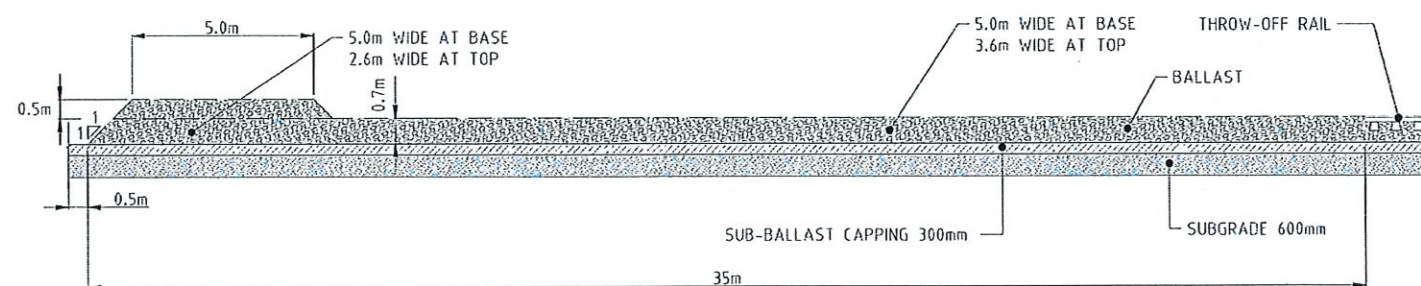
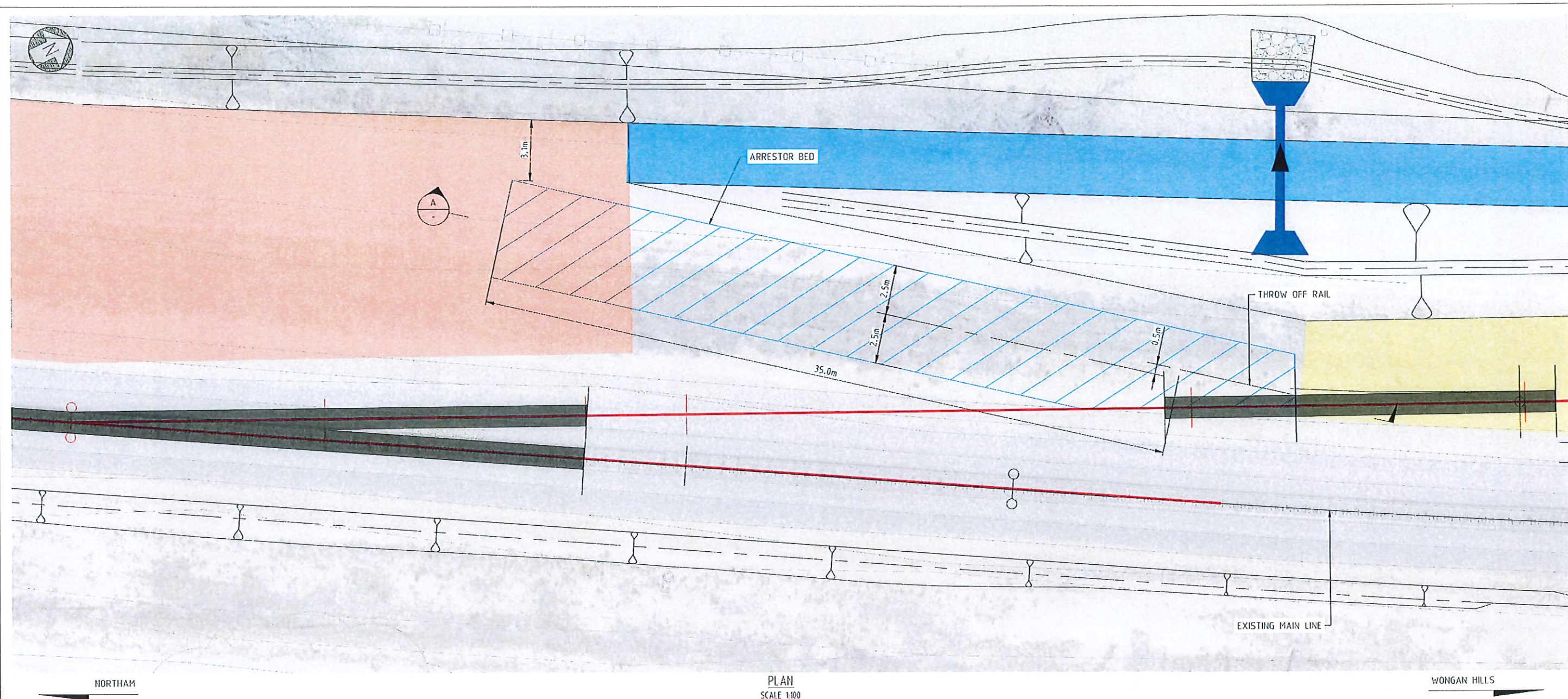
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REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD	SCALE	DRAWN	AS	27.10.23	TITLE
C	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB	1:50	DESIGN	AS	27.10.23	KONNONGORRING
B	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB	A1	CHECKED	TB	27.10.23	FIXED RAIL LOADING FACILITY
A	23.08.23	ISSUED FOR 85% CLIENT REVIEW	AS	TB	HB	PP3.001	DESIGNED	SDB	27.10.23	RAIL AND CIVIL
			AS	TB	HB	PP3.001	DESIGN APPR	JH	27.10.23	TYPICAL CROSS SECTIONS SHEET 4 OF 4
			AS	TB	HB	PP3.001	PROJECT APPR	YB	27.10.23	358-ENG-RL-DSE-0021

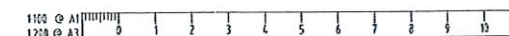
4 OF 4
REV. C



SOUTH END BALLAST ARRESTOR BED

SECTION A
SCALE 1:100

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 16/11/2023
REF: Resolution 719
SIGNED: [Signature]
CHIEF EXECUTIVE OFFICER
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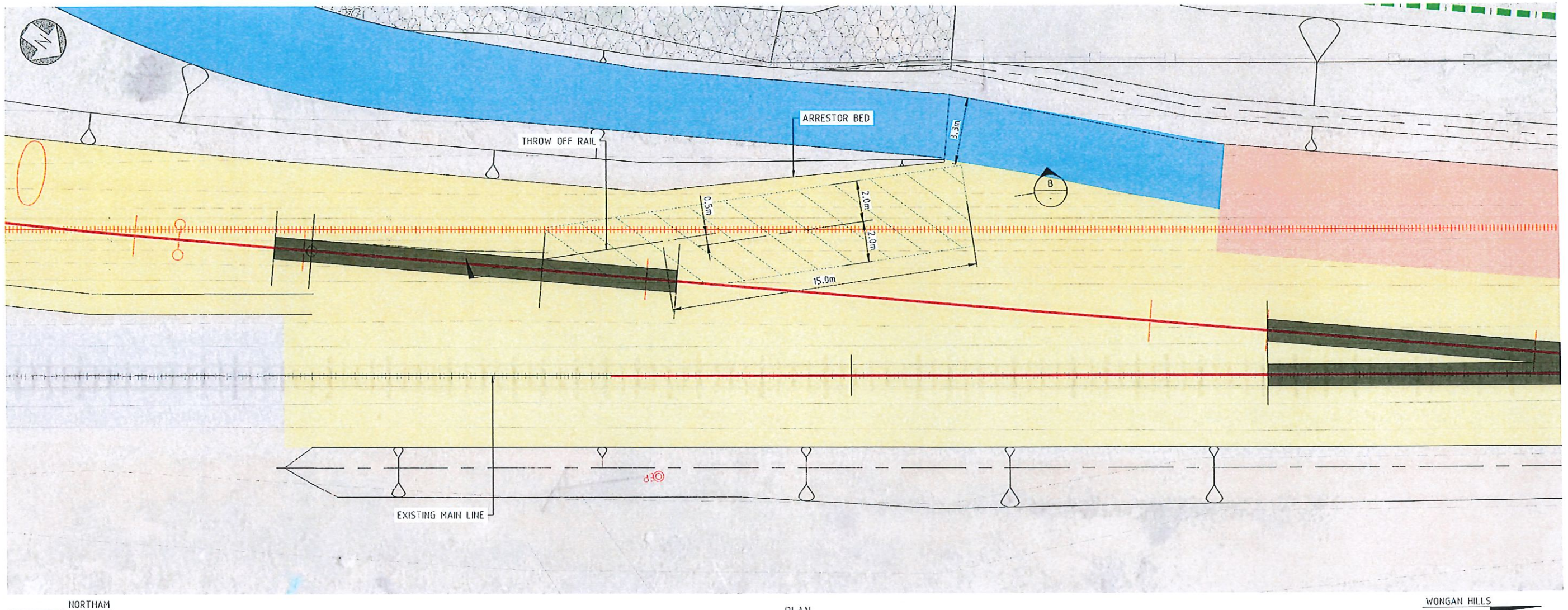
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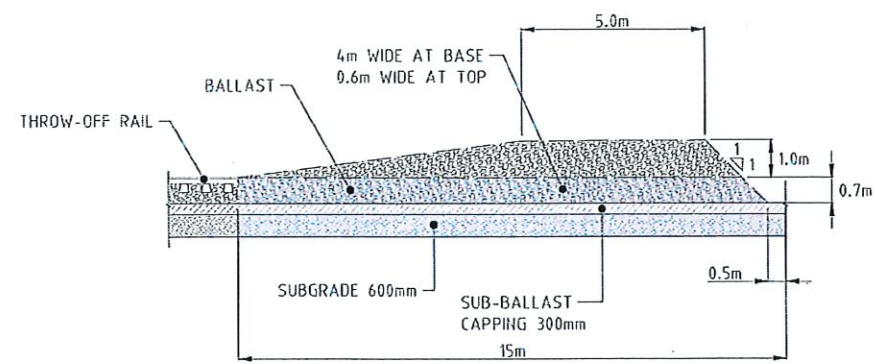
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REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD	SCALE	DRAWN	AS	DATE	TITLE	SHEET	REV.
C	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	HS	1:100	DRWN	AS	27.10.23	KONNONGORRING FIXED RAIL LOADING FACILITY RAIL AND CIVIL SOUTH END BALLAST ARRESTOR BED	1 OF 1	C
B	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	HS	A1	CHKD	JH	27.10.23			
A	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JC	TB/JH	HS		DESIGN	SGB	27.10.23			
							DESIGN APPR	JH	27.10.23			
							PROJECT APPR	YB	27.10.23			
										358-ENG-RL-DTD-0003		



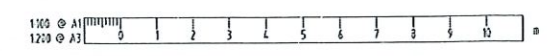
PLAN
SCALE 1:100



NORTH END BALLAST ARRESTOR BED

SECTION (B)
SCALE 1:100

SHIRE OF GOOMALLING
LOCAL PLANNING SCHEME NO. 3
DEVELOPMENT APPROVAL
DATE: 16/11/2023
REF: RESOLUTION 719
SIGNED: [Signature]
NOTE: DEVELOPMENT APPROVAL DOES NOT CONSTITUTE A BUILDING PERMIT



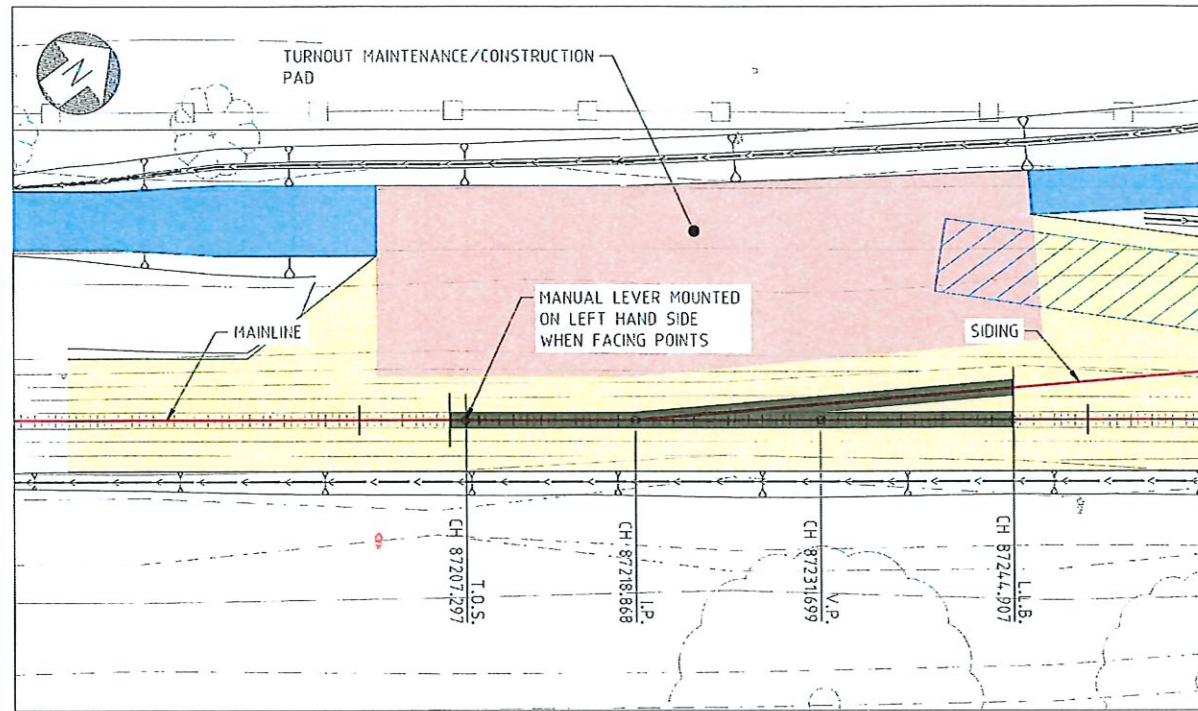
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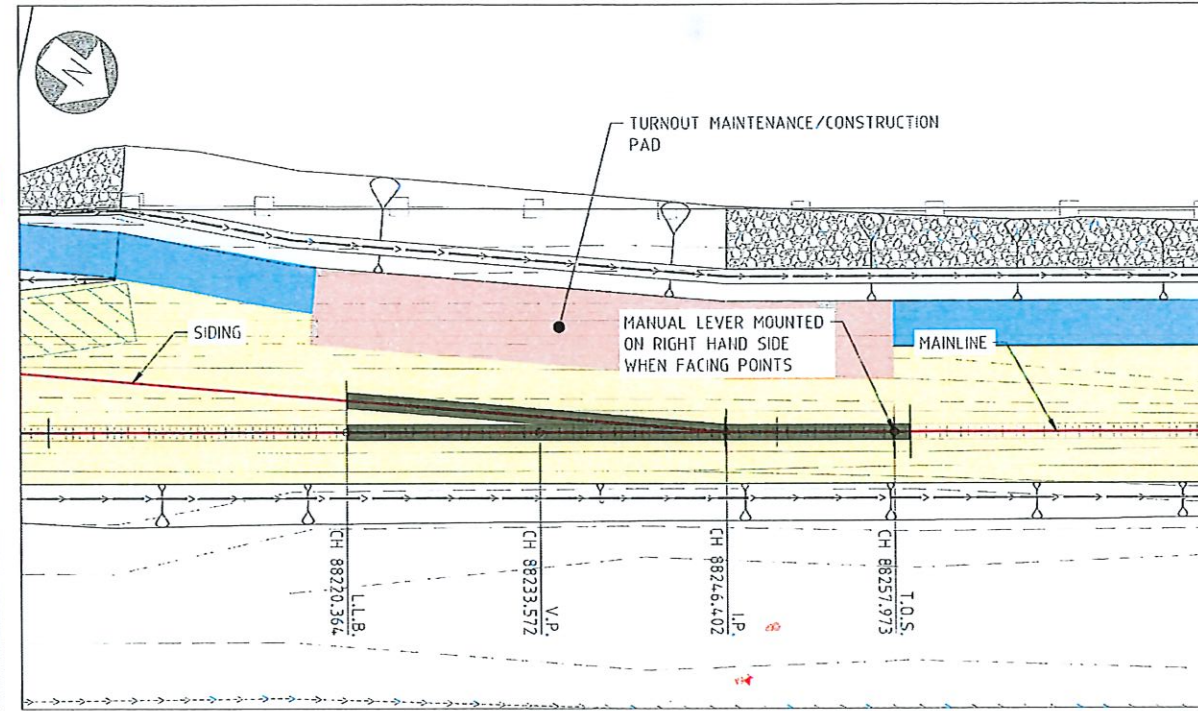
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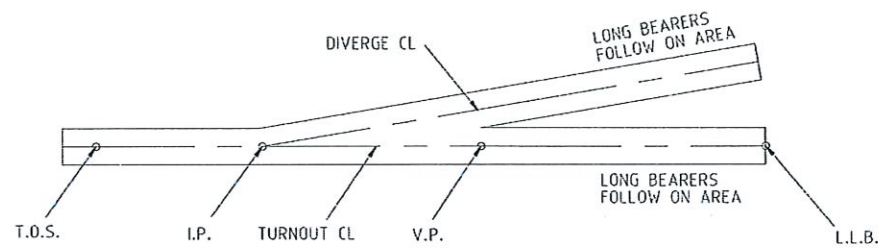
REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPRD	SCALE	DRAWN	AS	27.10.23	TITLE
C	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	HS	1:100	DRAWN	AS	27.10.23	KONNONGORRING
B	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	HS	A1	CHECKED	JH	27.10.23	FIXED RAIL LOADING FACILITY
A	23.08.23	ISSUED FOR 85% CLIENT REVIEW	JC	TB/AS	HS		DESIGNED	SDB	27.10.23	RAIL AND CIVIL
							DESIGN APPR	JH	27.10.23	NORTH END BALLAST ARRESTOR BED
							PROJECT APPR	YB	27.10.23	358-ENG-RL-DTD-0004



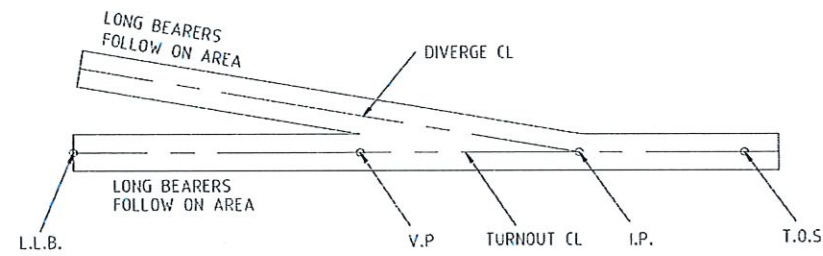
PLAN - TURNOUT SOUTH
SCALE 1:250



PLAN - TURNOUT NORTH
SCALE 1:250



TURNOUT SETOUT DIAGRAM SOUTH



TURNOUT SETOUT DIAGRAM NORTH

LEGEND

	CADASTRAL BOUNDARY
	NEW TURNOUT
T.O.S.	TOE OF SWITCH
I.P.	INTERSECTION POINT
L.L.B.	LAST LONG BEARER
V.P.	THEORETICAL POINT

DRAWING NOTES

- THESE SETOUT DETAILS ARE FOR TURNOUT INSTALLATION ONLY AND SHOULD BE READ IN CONJUNCTION WITH RAIL TOR, TOF AND TURNOUT INSTALLATIONS MANUALS.
- CONTRACTOR TO VERIFY THE INS PRIOR TO CONSTRUCTION.
- TURNOUTS TO BE INSTALLED AS PER VAM13458_B WITH ALL ASSOCIATED BEARERS, JEWELLERY AND CANT BEARERS.
- CHAINAGE ARE INDICATIVE AND MUST NOT BE USED FOR TURNOUT INSTALLATION TURNOUTS MUST BE INSTALLED USING EASTING NORTHINGS AND LEVELS PROVIDED IN THIS DRAWINGS.

SURVEY

COORDINATE REFERENCE SYSTEM	MGA94 ZONE 50
HEIGHT DATUM	AUSTRALIAN HEIGHT DATUM (AHD)
SCALE FACTOR	THE DESIGN COORDINATES ARE SHOWN IN GRID DISTANCES

TURNOUT SCHEDULE AND SETOUT TABLE

TURNOUT ID	DES T.O.S CHAINAGE	TURNOUT ANGLE	HAND OF TURNOUT	SWITCH TYPE	RAIL SIZE (kg/m)	T.O.S.			I.P.			V.P.			L.L.B.			REFERENCE DRAWING
						EASTING	NORTHING	R.L.	EASTING	NORTHING	R.L.	EASTING	NORTHING	R.L.	EASTING	NORTHING	R.L.	
T/O SOUTH	87207.297	1 IN 12	L/HAND	RBM	60	42832.257	562468.687	282.594	42839.203	562477.994	282.897	42846.875	562488.279	282.989	42854.750	562498.828	283.205	VAM13458_b
T/O NORTH	88257.973	1 IN 12	R/HAND	RBM	60	42641.442	563378.075	281.744	42633.599	563388.702	281.932	42625.979	563399.027	282.120	42619.111	563408.337	282.762	VAM13458_b

TURNOUT DIMENSIONS

TURNOUT ID	TURNOUT ANGLE	S.R.J. TO T.O.S. (m)	T.O.S. TO I.P. (m)	I.P. TO V.P. (m)	V.P. TO L.L.B. (m)
T/O SOUTH	1 IN 12	1.090	11.570	12.826	13.213
T/O NORTH	1 IN 12	1.090	11.570	12.826	13.213



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REV	DATE	REVISION DESCRIPTION	BY	CHKD	APPD
E	27.10.23	RE-ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB
D	28.09.23	ISSUED FOR 100% CLIENT REVIEW	AS	TB	HB
C	23.08.23	ISSUED FOR 85% CLIENT REVIEW	AS	JH	HB
B	01.05.23	ISSUED FOR 60% CLIENT REVIEW	JH	CFR	HB
A	01.05.23	ISSUED FOR 60% CLIENT REVIEW	JH	CFR	HB

1:250 @ A1
1:500 @ A3

SCALE	1:250	DATE	27.10.23
SHEET	A1	DATE	27.10.23
PROJECT	KONNONGORRING	DATE	27.10.23
CONTRACT NO.	CW9951	DATE	27.10.23
PROJECT APPR	FB	DATE	27.10.23

KONNONGORRING
FIXED RAIL LOADING FACILITY
RAIL AND CIVIL
MAINLINE TURNOUT SETOUT DETAILS

358-ENG-RL-DTD-0007

SHEET 1 OF 1 REV. E



Shire of Goomalling

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All communications to be addressed to the Chief Executive Officer

Est. 1895

In reply please quote:

Our Ref : PB23115

21st December 2023

Mr Aaron Lohmann

**** Via Email: Aaron.Lohman@cbh.com.au

GOOMALLING WA 6460

Dear Aaron,

Thank-you for your letter discussions regarding Condition 6 of the recent approval for proposed Rail Siding.

I advise that the Council has discussed this matter at its December 2023 Ordinary Meeting and it was resolved that it was prepared to withdraw Condition 6 for the rail siding project. It did however suggest that a noise condition was likely to be recommended in the wider operational project you are undertaking.

If you have any further queries Aaron, please don't hesitate to contact us again.

Yours faithfully

PETER BENTLEY
CHIEF EXECUTIVE OFFICER