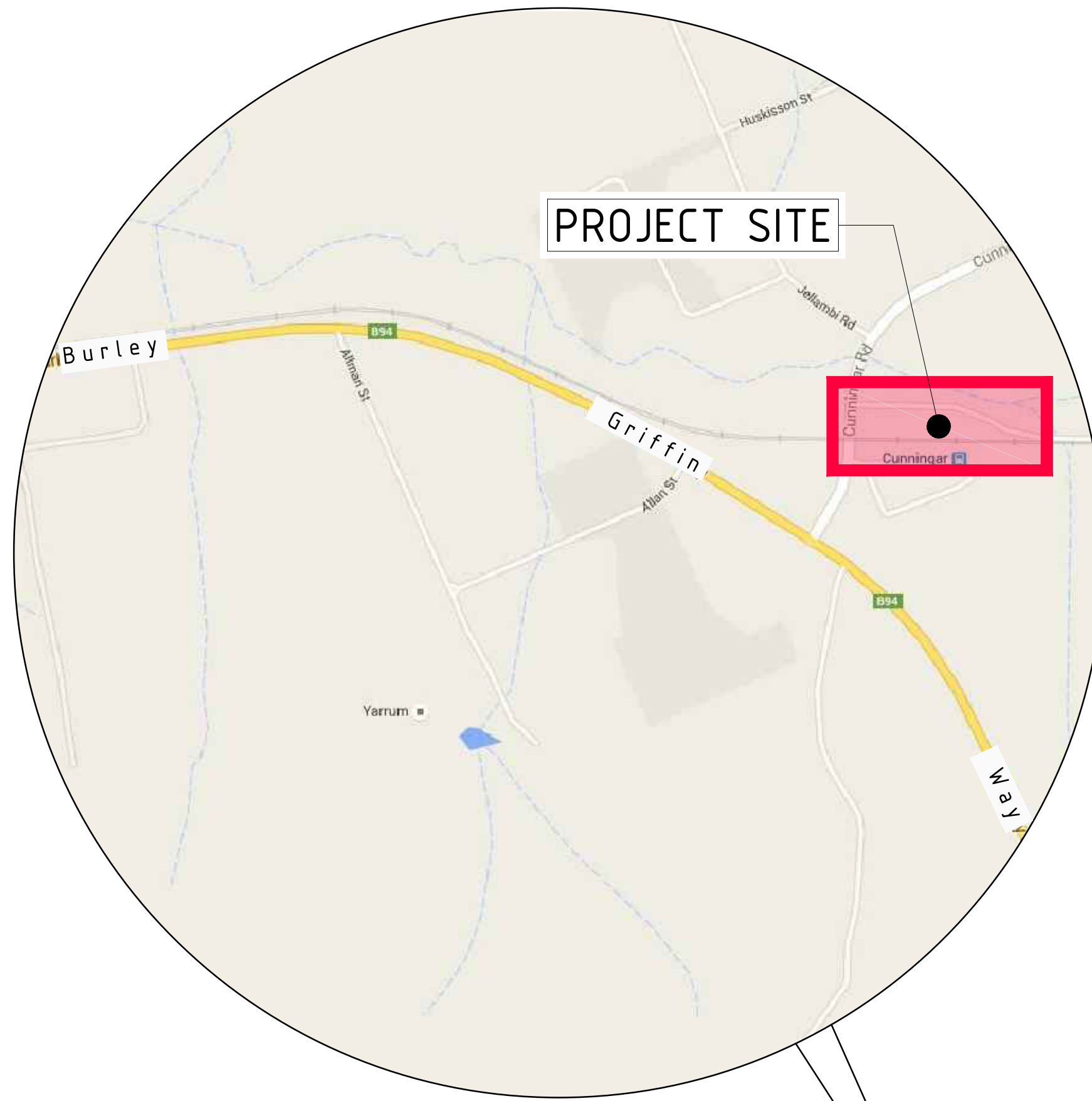


ALL DIMENSIONS IN MM
UNLESS STATED OTHERWISE

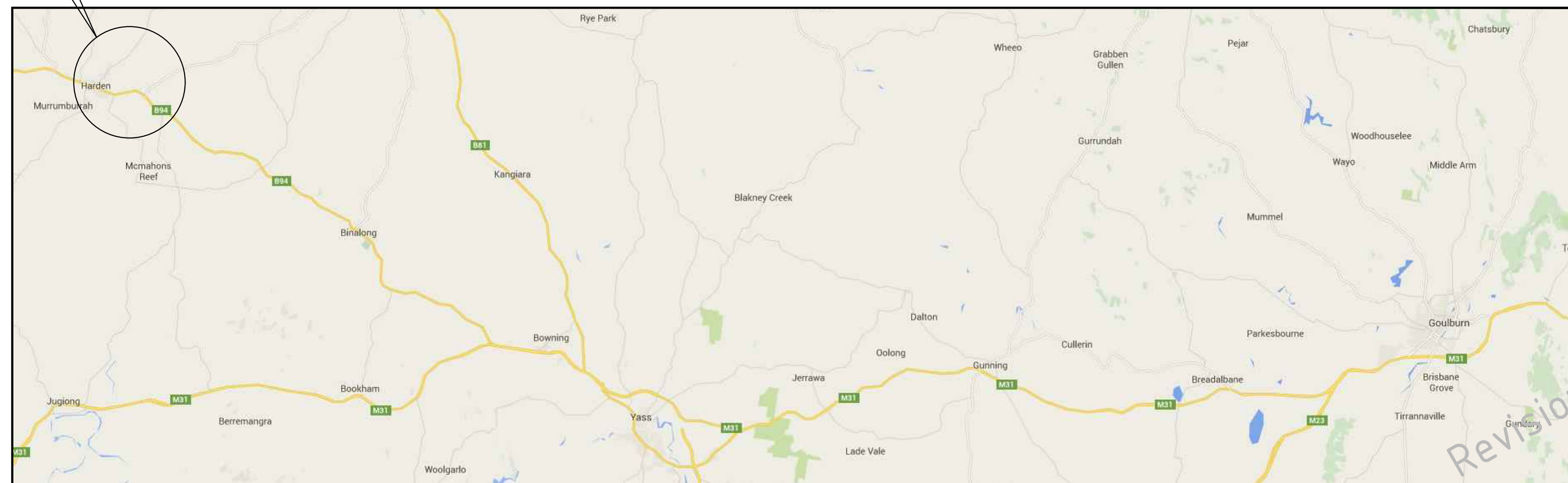
CUNNINGGAR RAIL SIDING UPGRADE

380.100km - 381.160km

SECTION 1 - GOULBURN TO HARDEN



DRAWING No.	DRAWING TITLE
SK-C-0001	DRAWING INDEX AND LOCALITY PLAN
SK-C-0002	GENERAL NOTES
SK-C-0005	SCHEMATIC PLAN
SK-C-0006	GENERAL ARRANGEMENT PLAN SHEET 1
SK-C-0007	GENERAL ARRANGEMENT PLAN SHEET 2
SK-C-0011	PLAN AND PROFILE SIDING 1 MC01 SHEET
SK-C-0012	PLAN AND PROFILE SIDING 1 MC01 SHEET
SK-C-0013	PLAN AND PROFILE SIDING 2 MC02 SHEET
SK-C-0014	PLAN AND PROFILE SIDING 2 MC02 SHEET
SK-C-0015	PLAN AND PROFILE SIDING 3 MC03 SHEET
SK-C-0016	PLAN AND PROFILE SIDING 3 MC03 SHEET
SK-C-0020	TYPICAL DETAILS SHEET 1
SK-C-0021	TYPICAL CROSS SECTIONS SHEET 1
SK-C-0022	TYPICAL CROSS SECTIONS SHEET 2
SK-C-0023	TYPICAL CROSS SECTIONS SHEET 3
SK-C-0024	TYPICAL CROSS SECTIONS SHEET 4
SK-C-0025	TYPICAL CROSS SECTIONS SHEET 5
SK-C-0032	CULVERT EXTENTION PLAN AND SECTION



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

Used on / Next higher assembly:

Filename:
B16019-DRG-C-0001.DWG

Alternate DMS number:	
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[illegible]

Designing Company:	
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BG&E DOC No: B16019	74-76 Bowen St, Spring Hill QLD 4000 P / +61 7 3167 3300 E / info@bgeeng.com bgeeng.com-
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Designed	S.O'BRIEN
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Checked	S WEST
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Ind.Rev. Company	Ind.Rev. Name
Ind.Review Signature	

Brisbane Office—

74-76 Bowen St, Spring Hill QLD 4000
P / +61 7 3167 3300
E / info@bgeeng.com
bgeeng.com—

EN	
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ST

51	
v. Name	



ARTC ACCEPTANCE

Accepted By	
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Signed:	
Acceptance Date	

ARTC

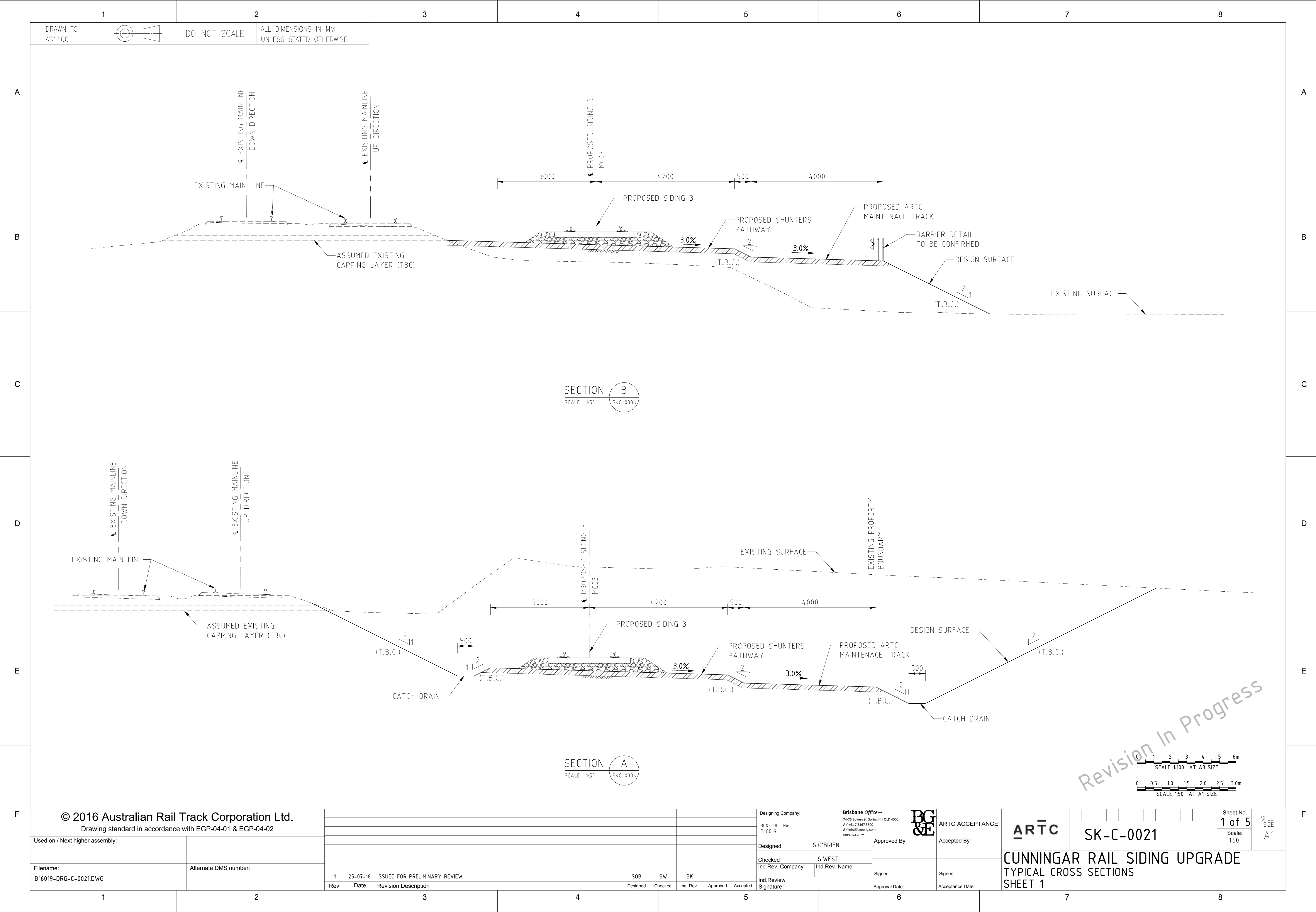
SK-C-0001

CUNNINGAR RAIL SIDING UPGRADE

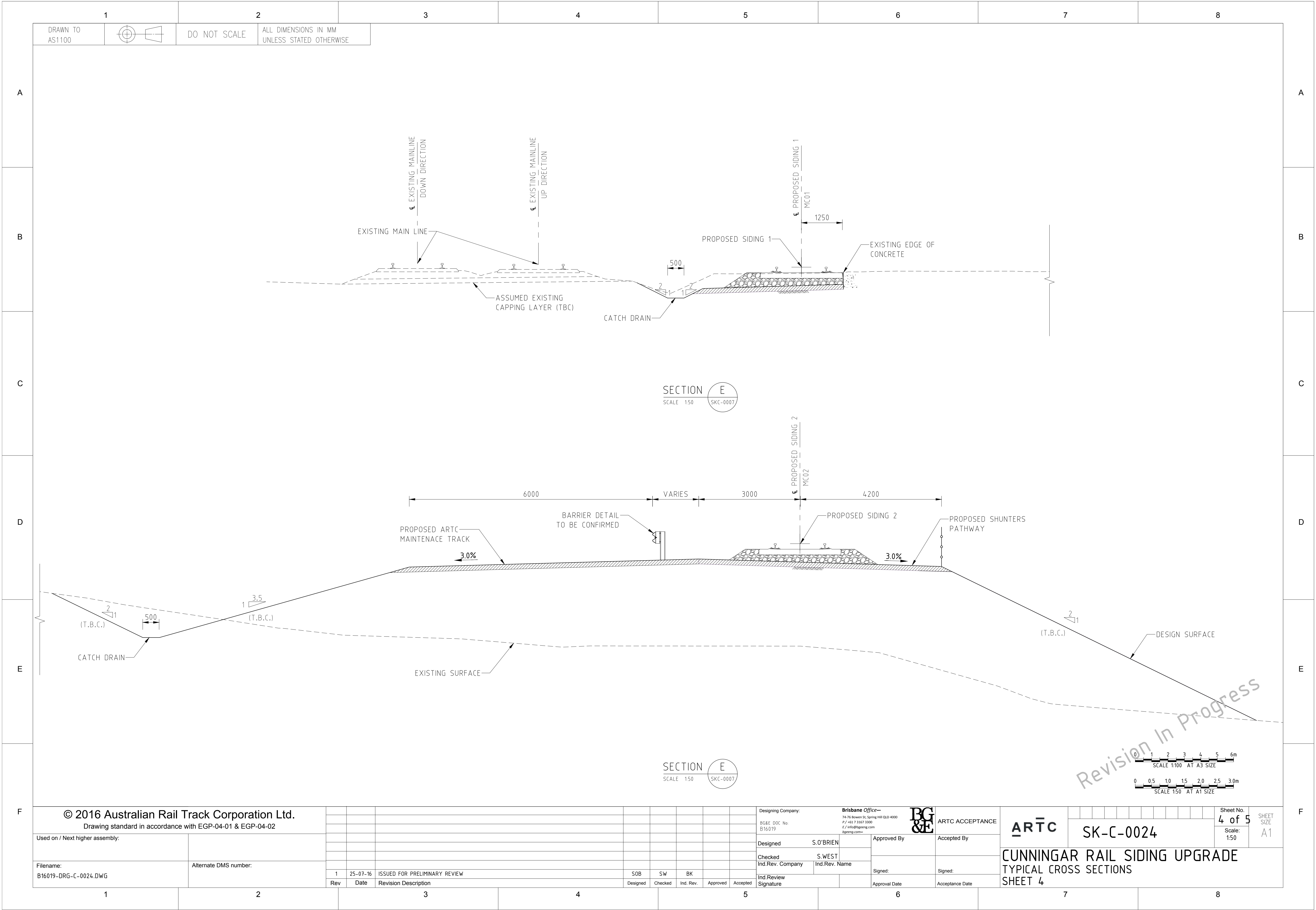
DRAWING INDEX AND LOCALITY PLAN

Sheet No.	
1 of 1	
Scale:	

SHEET
SIZE
A1



Revision In Progress



1

2

3

4

5

6

7

8

DO NOT SCALE

ALL DIMENSIONS IN MM
UNLESS STATED OTHERWISE

SECTION E

SCALE 1:50

SKC-0007

SECTION E

SCALE 1:50

SKC-0007

0 1 2 3 4 5 6m

SCALE 1:100 AT A3 SIZE

0 0.5 1.0 1.5 2.0 2.5 3.0m

SCALE 1:50 AT A1 SIZE

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Used on / Next higher assembly:

Filename:
B16019-DRG-C-0024.DWG

Alternate DMS number:

1

2

3

4

5

6

7

8

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Brisbane Office—
74-76 Bowen St, Spring Hill QLD 4000
P / +61 7 3167 3300
E / info@bgeeng.com
bgeeng.com

BG
&E

ARTC ACCEPTANCE

Accepted By

Designed

S.O'BRIEN

Approved By

Checked

S.WEST

Signed:

Ind.Rev. Company

Ind.Rev. Name

Signed:

Ind.Review
Signature

Approval Date

Acceptance Date

4 of 5

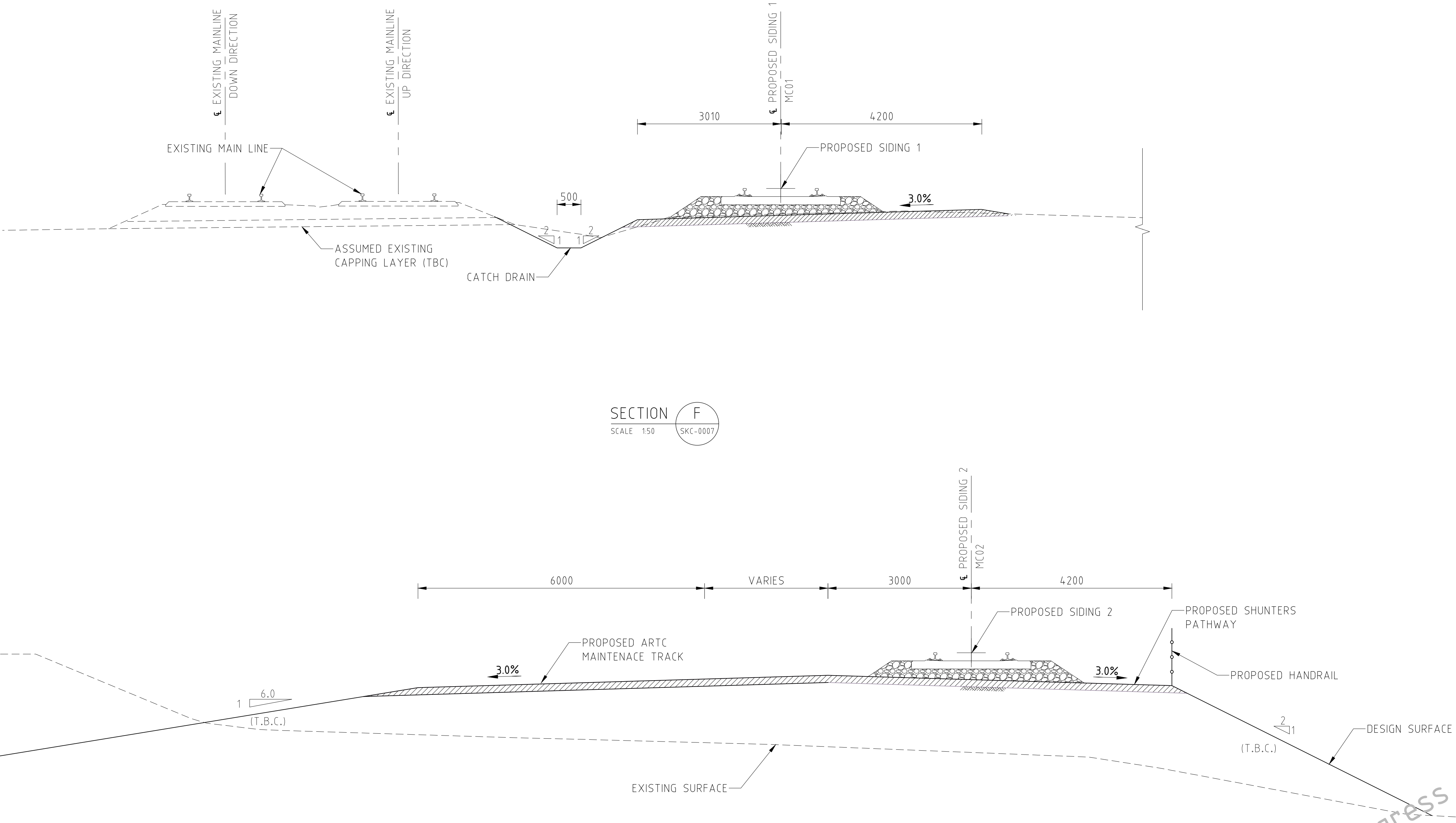
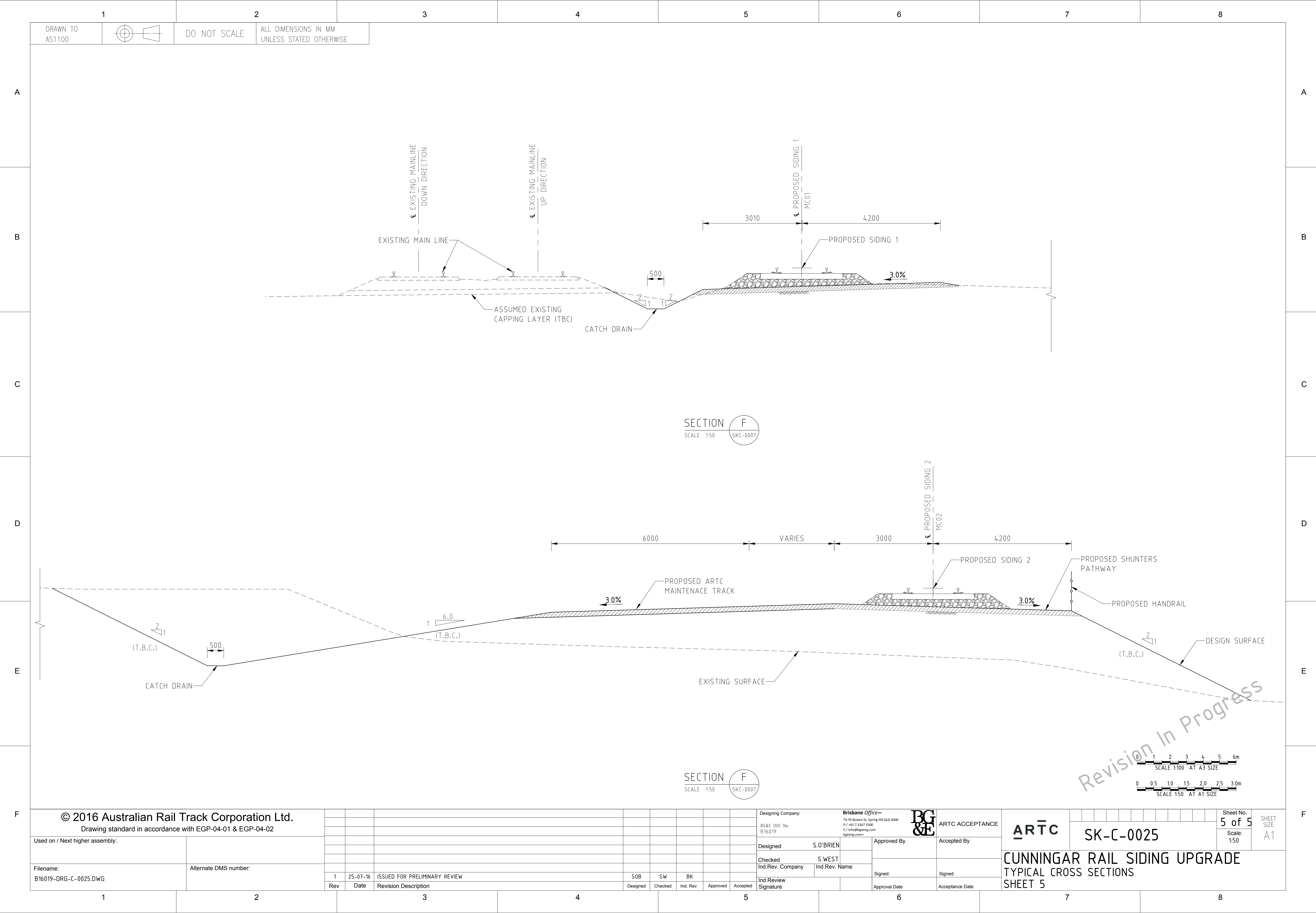
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SIZE
A1

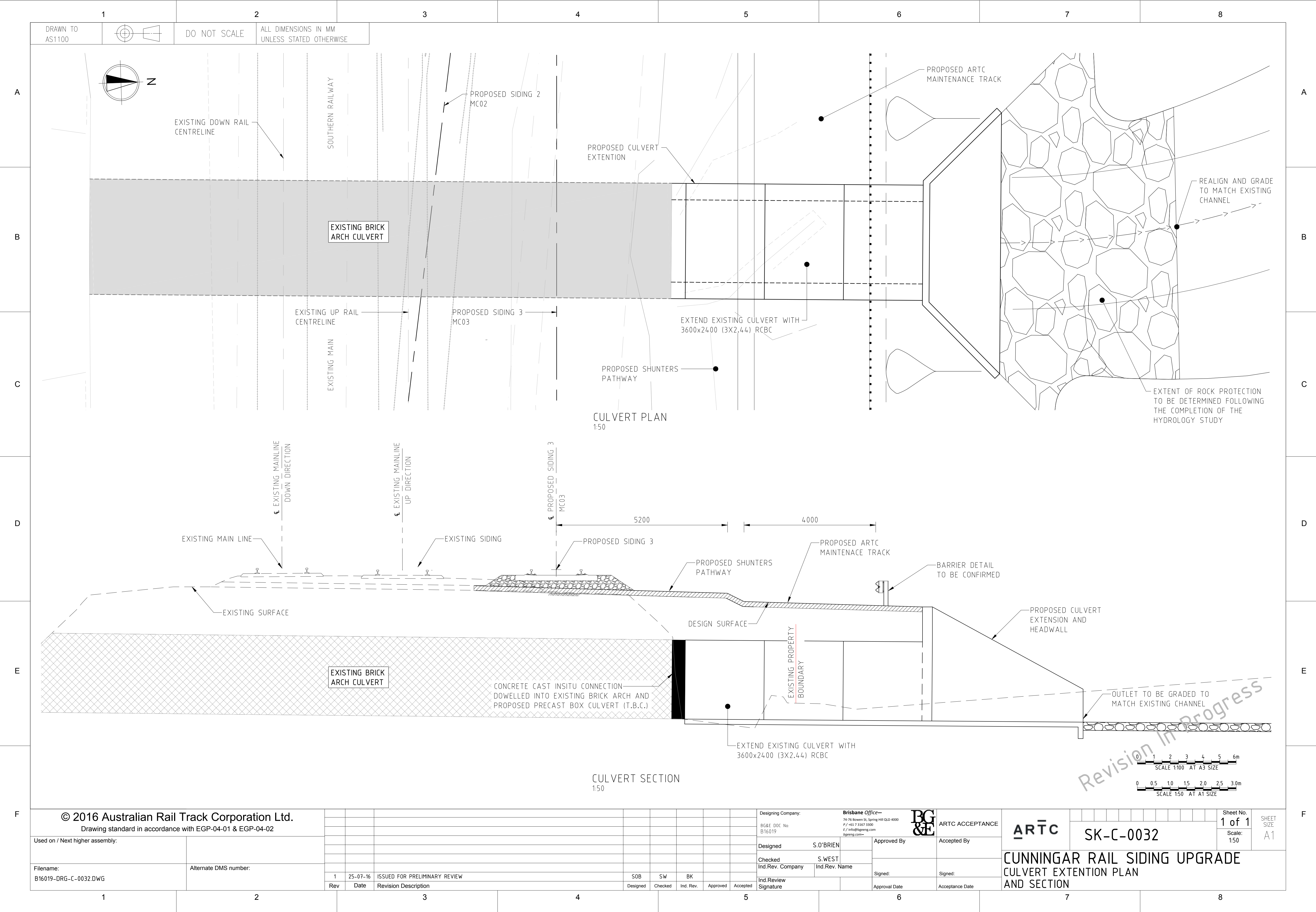
CUNNINGAR RAIL SIDING UPGRADE

TYPICAL CROSS SECTIONS

SHEET 4



Revision In Progress



PROJECT REGENERATION

CUNNINGAR

INSTALLATION TO EXISTING

1. WHERE NEW HOLES ARE REQUIRED IN EXISTING STEELWORK THESE HOLES SHALL TO BE DRILLED .
PAINTWORK TO BE REPAIRED IN ACCORDANCE WITH SPECIFICATION
2. ALL FLANGES TO BE SEALED WITH SILASTIC SEALANT OR EQUIVALENT CARE MUST BE TAKE TO AVOID ANY SPILLAGE OF SILASTIC ONTO THE CASING. ANY SPILLAGE SHALL BE WIPED CLEAN BEFORE SETTING
3. ALL DRIVE BASE PLATES MOUNTING SURFACES SHALL BE STRESSS RELIEVED THEN MACHINED FLAT AND SMOOTH

STRUCTURAL STEEL

- | 1. | ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 4100 AND AS 1554 UNLESS NOTED OTHERWISE | | | | | | | | | | | | | | | | |
|------------------|--|------------------|----------|-----------|--|-------|---|-------|---|--------|--|--------|-------------------------------|--|--|--|---|
| 2. | THREE (3) COPIES OF WORKSHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION. | | | | | | | | | | | | | | | | |
| 3. | <table><tr><th>BOLT DESIGNATION</th><th>COMMENTS</th></tr><tr><td>BOLT TYPE</td><td></td></tr><tr><td>4.6/S</td><td>COMMERCIAL BOLTS OF GRADE 4.6 TO AS 1111 SNUG TIGHTENED</td></tr><tr><td>8.8/S</td><td>HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252 SNUG TIGHTENED</td></tr><tr><td>8.8/TB</td><td>HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252 FULLY TENSIONED</td></tr><tr><td>8.8/TF</td><td>TO AS 1511 AS A BEARING JOINT</td></tr><tr><td></td><td>HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252 FULLY TENSIONED</td></tr><tr><td></td><td>TO AS 1511 AS A FRICTION JOINT WITH FACING SURFACES LEFT UNCOATED</td></tr></table> | BOLT DESIGNATION | COMMENTS | BOLT TYPE | | 4.6/S | COMMERCIAL BOLTS OF GRADE 4.6 TO AS 1111 SNUG TIGHTENED | 8.8/S | HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252 SNUG TIGHTENED | 8.8/TB | HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252 FULLY TENSIONED | 8.8/TF | TO AS 1511 AS A BEARING JOINT | | HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252 FULLY TENSIONED | | TO AS 1511 AS A FRICTION JOINT WITH FACING SURFACES LEFT UNCOATED |
| BOLT DESIGNATION | COMMENTS | | | | | | | | | | | | | | | | |
| BOLT TYPE | | | | | | | | | | | | | | | | | |
| 4.6/S | COMMERCIAL BOLTS OF GRADE 4.6 TO AS 1111 SNUG TIGHTENED | | | | | | | | | | | | | | | | |
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| 8.8/TB | HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252 FULLY TENSIONED | | | | | | | | | | | | | | | | |
| 8.8/TF | TO AS 1511 AS A BEARING JOINT | | | | | | | | | | | | | | | | |
| | HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252 FULLY TENSIONED | | | | | | | | | | | | | | | | |
| | TO AS 1511 AS A FRICTION JOINT WITH FACING SURFACES LEFT UNCOATED | | | | | | | | | | | | | | | | |

PROJECT DRAWINGS

1. GROUTING SHALL BE A NON SHRINK CEMENTITIOUS MATERIAL WITH A COMPRESSIVE STRENGTH f_c OF > 50 MPa
2. GROUTING APPLICATION THICKNESS:-
15mm MIN.
75mm MAX.

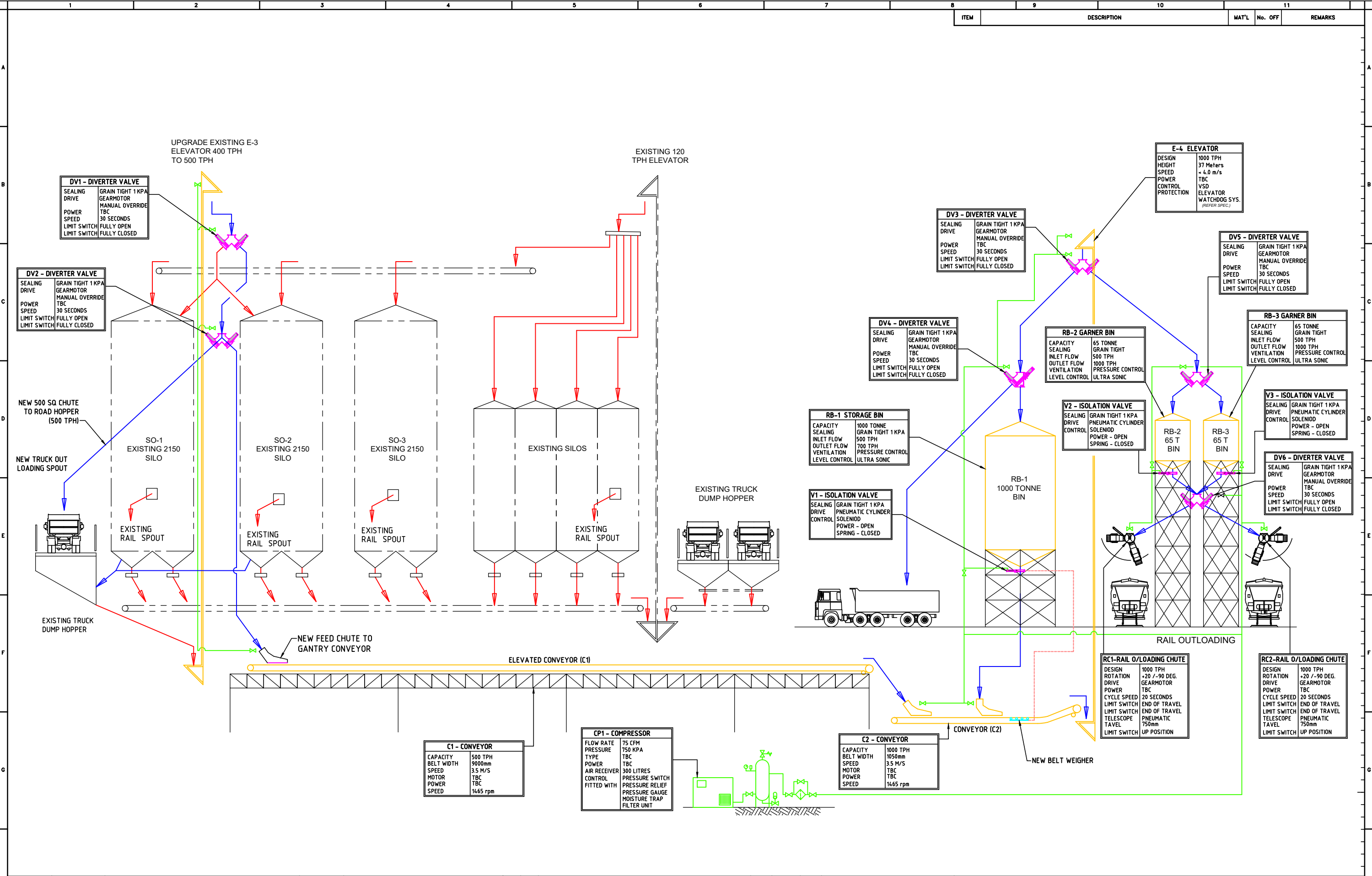
CONCRETE

20160701-CUN-DWG--000	GENERAL NOTES
20160701-CUN-DWG--001	P&ID UPGRADE
20160701-CUN-DWG--002	SITE ARRANGEMENT
20160701-CUN-DWG--003	SITE ARRANGEMENT - ELEVATION
20160701-CUN-DWG--004	SITE ARRANGEMENT - ELEVATIONS
20160701-CUN-DWG--005	SITE ARRANGEMENT - SECTION DETAILS
20160701-CUN-DWG--006	SITE ARRANGEMENT - SECTION DETAILS
20160701-CUN-DWG--007	FOUNDATION ARRANGEMENT
20160701-CUN-DWG--008	C1 CONVEYOR ARRANGEMENT
20160701-CUN-DWG--009	C2 CONVEYOR ARRANGEMENT
20160701-CUN-DWG--010	TYPICAL FEED SHOE DETAILS
20160701-CUN-DWG--011	INCLINED CONVEYOR FEED SHOE DETAILS
20160701-CUN-DWG--012	STANDARD 6M GROUND MODULE
20160701-CUN-DWG--013	RAIL OUT LOADING SPOUT ARRANGEMENT
20160701-CUN-DWG--014	HOPPER CONVEYOR HEAD END DETAILS
20160701-CUN-DWG--015	STANDARD ACCESS DETAILS (SHEET 1)
20160701-CUN-DWG--016	STANDARD ACCESS DETAILS (SHEET 2)
20160701-CUN-DWG--017	TYPICAL ELEVATOR HEAD END DETAILS
20160701-CUN-DWG--018	TYPICAL CHUTE DETAILS
20160701-CUN-DWG--019	TYPICAL GUARDING DETAILS

GENERAL

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT SAA CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.
2. SETTING-OUT DIMENSIONS AND SIZES OF STRUCTURAL MEMBERS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS. ANY SETTING-OUT DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE CHECKED BY THE CONTRACTOR BEFORE CONSTRUCTION COMMENCES.
3. DURING CONSTRUCTION THE SITE SHALL BE MAINTAINED IN A SAFE AND STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED.
4. UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.
5. NO ALLOWANCES HAVE BEEN MADE FOR LIFTING LUGS OR MOUNTING AIDS. IF THE CONTRACTOR CHOOSES TO INCLUDE SUCH DEVICES, A SKETCH SHALL BE FAXED TO THE SUPERINTENDENT, PRIOR TO FABRICATION, FOR APPROVAL. ANY SUCH DEVICE SHALL BE FULLY WELDED WITH RADIUS ON ALL SHARP EDGES.
6. LIFTING LUGS AND MOUNTING AIDS SHALL BE PAINTED WITH THE STRUCTURE AND REMAIN IN PLACE AFTER INSTALLATION. THE CONTRACTOR SHALL NOT CUT OFF OR REMOVE THESE DEVICES WITHOUT THE APPROVAL OF THE SUPERINTENDENT.

[illegible]



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ENGINEER CHECKED				NMD									
ENGINEER MANAGER													
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AMENDMENT													
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GrainCorp
Level 17, Tower 1
201 Sussex Street
Sydney NSW 2000
Telephone (02) 9325 9100
www.graincorp.com.au

Growing Solutions
Level 17, Tower 1
201 Sussex Street
Sydney NSW 2000
Telephone (02) 9325 9100
www.growingsolutions.com.au

GrainCorp Operations Limited
ABN 52 903 875 401
www.graincorp.com.au

Head Office
Level 17, Tower 1
201 Sussex Street
Sydney NSW 2000
Telephone (02) 9325 9100
www.graincorp.com.au

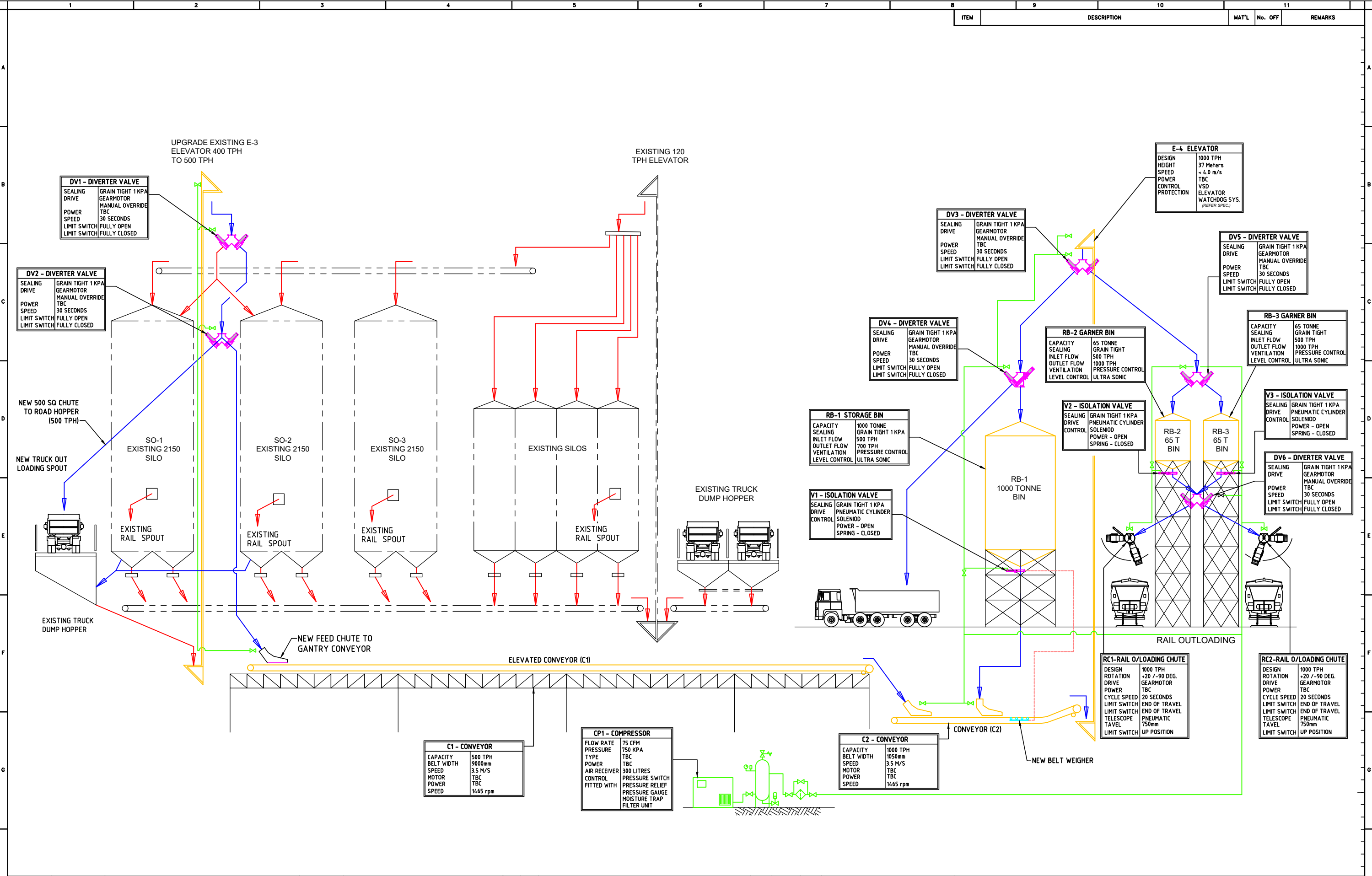
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Level 17, Tower 1
201 Sussex Street
Sydney NSW 2000
Telephone (02) 9325 9100
www.graincorp.com.au

PROJECT REGENERATION
CUNNINGAR-PROPOSED RAIL LOADING CONCEPT
P & ID

PROJECT NUMBER
20160701-CUN-DWG-001

DRAWING NUMBER
20160701-CUN-DWG-001

REVISION
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GrainCorp
Level 17, Tower 1
170 Blue 92 Dorem
Sydney NSW 2000
Telephone (02) 9325 9100
www.graincorp.com.au

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Level 17, Tower 1
170 Blue 92 Dorem
Sydney NSW 2000
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170 Blue 92 Dorem
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Telephone (02) 9325 9100
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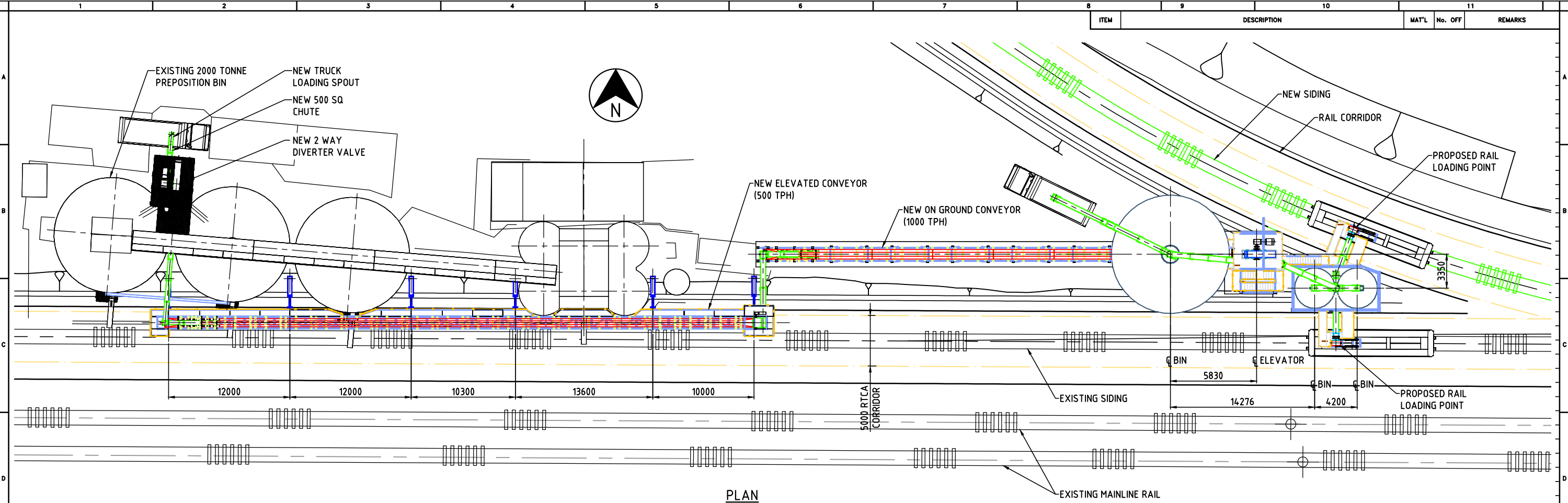
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PROJECT REGENERATION
CUNNINGAR-PROPOSED RAIL LOADING CONCEPT
P & ID

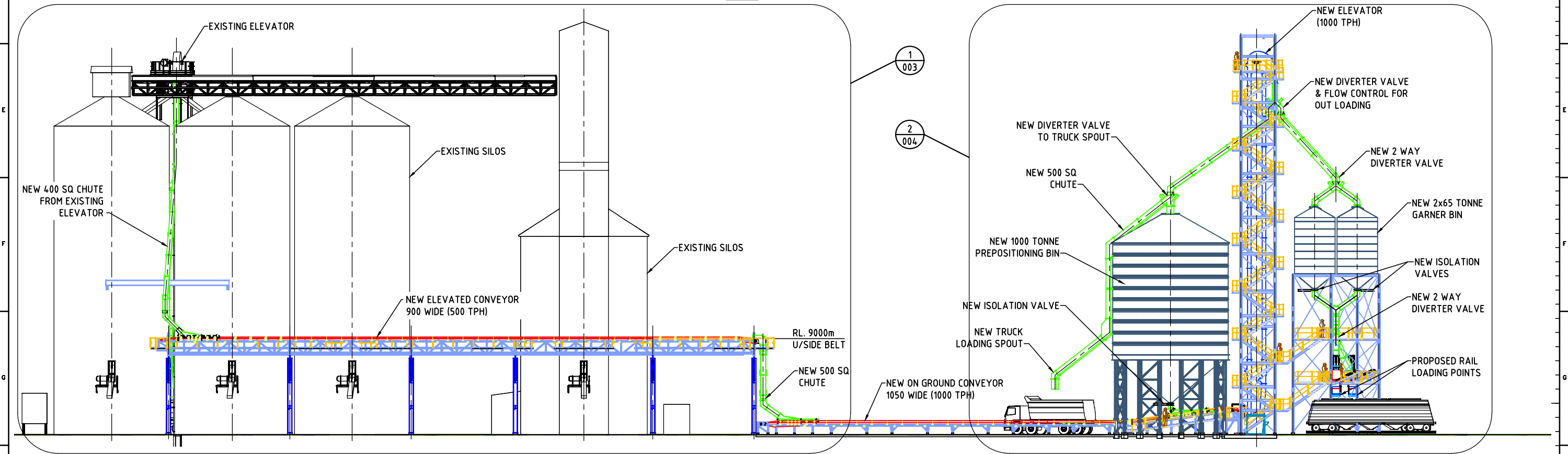
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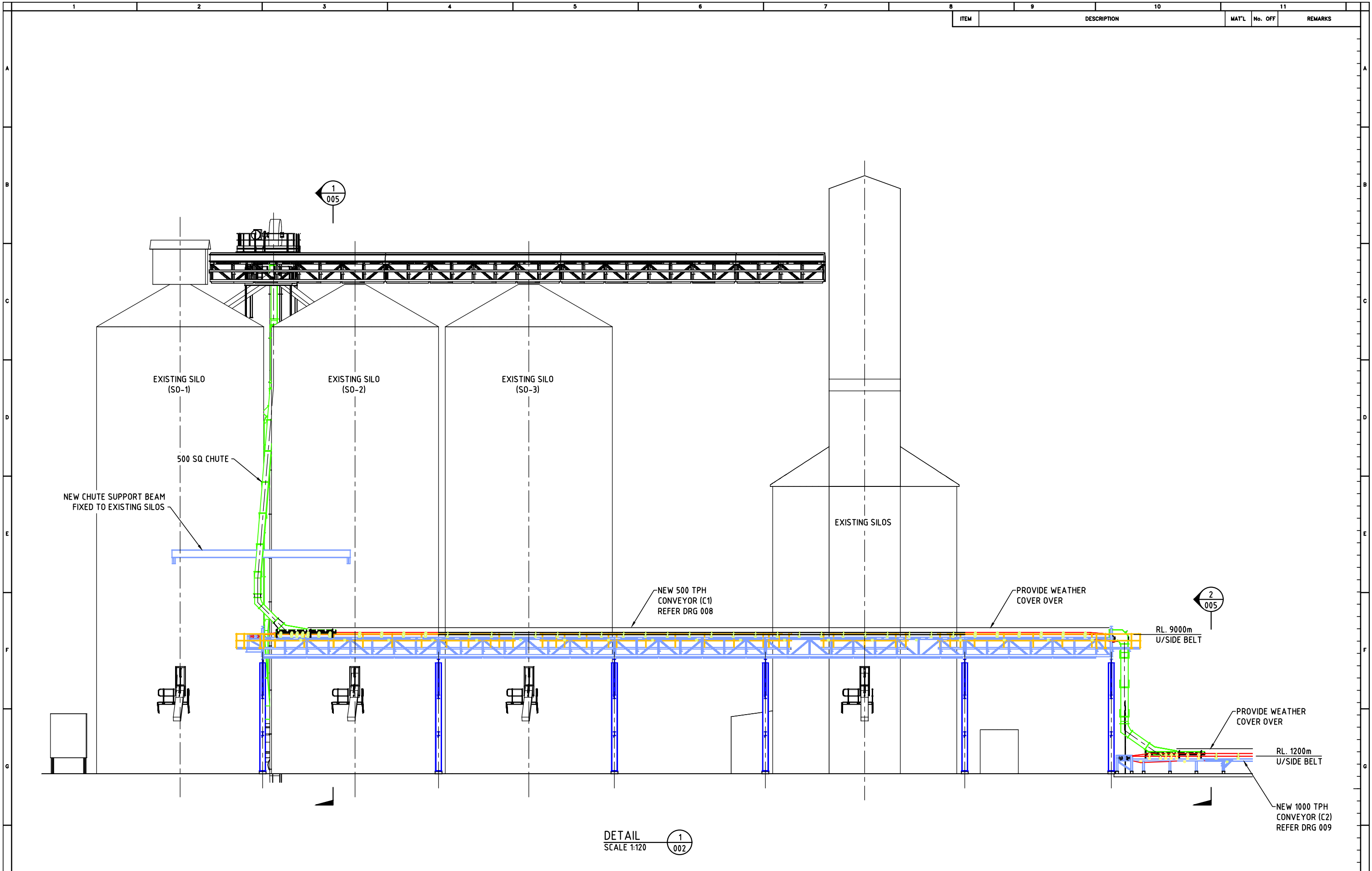


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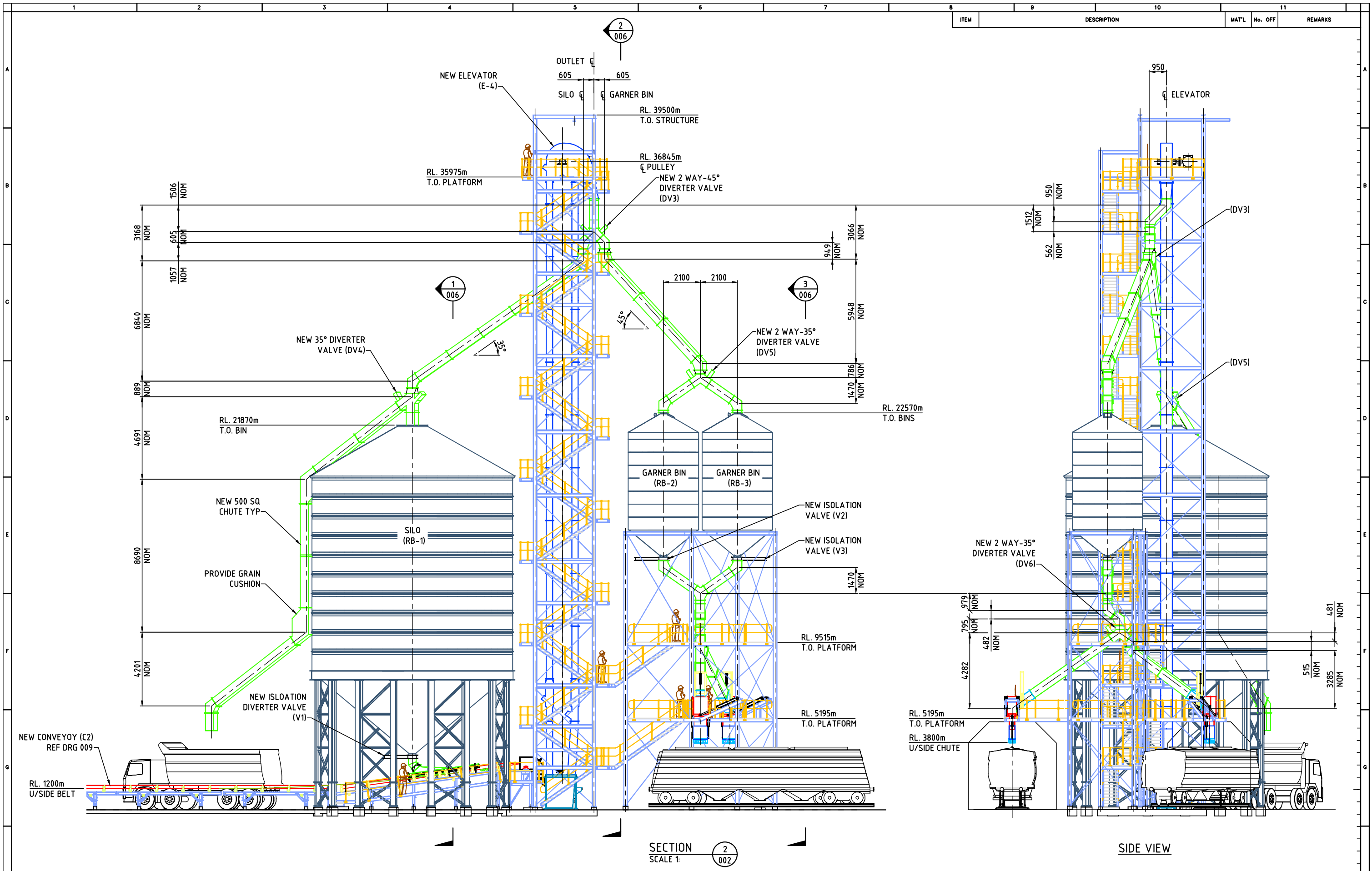


RAIL OUT LOADING CONCEPT
ELEVATION

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ENGINEER MANAGER								Head Office				Level 17, Tower 1			
								201 Sussex Street				Sydney NSW 2000			
								Telephone (02) 9325 9100				eDMS			
								www.graincorp.com.au				PROJECT REGENERATION			
								CUNNINGAR-PROPOSED RAIL LOADING CONCEPT				SITE ARRANGEMENT ELEVATION			
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GrainCorp
A/N 52 003 875 401
www.graincorp.com.au

Growing Solutions
Level 17, Tower 1
201 Sussex Street
Sydney NSW 2000
Telephone (02) 9325 9100
edms@growing.com.au

GrainCorp Operations Limited
A/N 52 003 875 401
www.graincorp.com.au

Head Office
Level 17, Tower 1
201 Sussex Street
Sydney NSW 2000
Telephone (02) 9325 9100
edms@growing.com.au

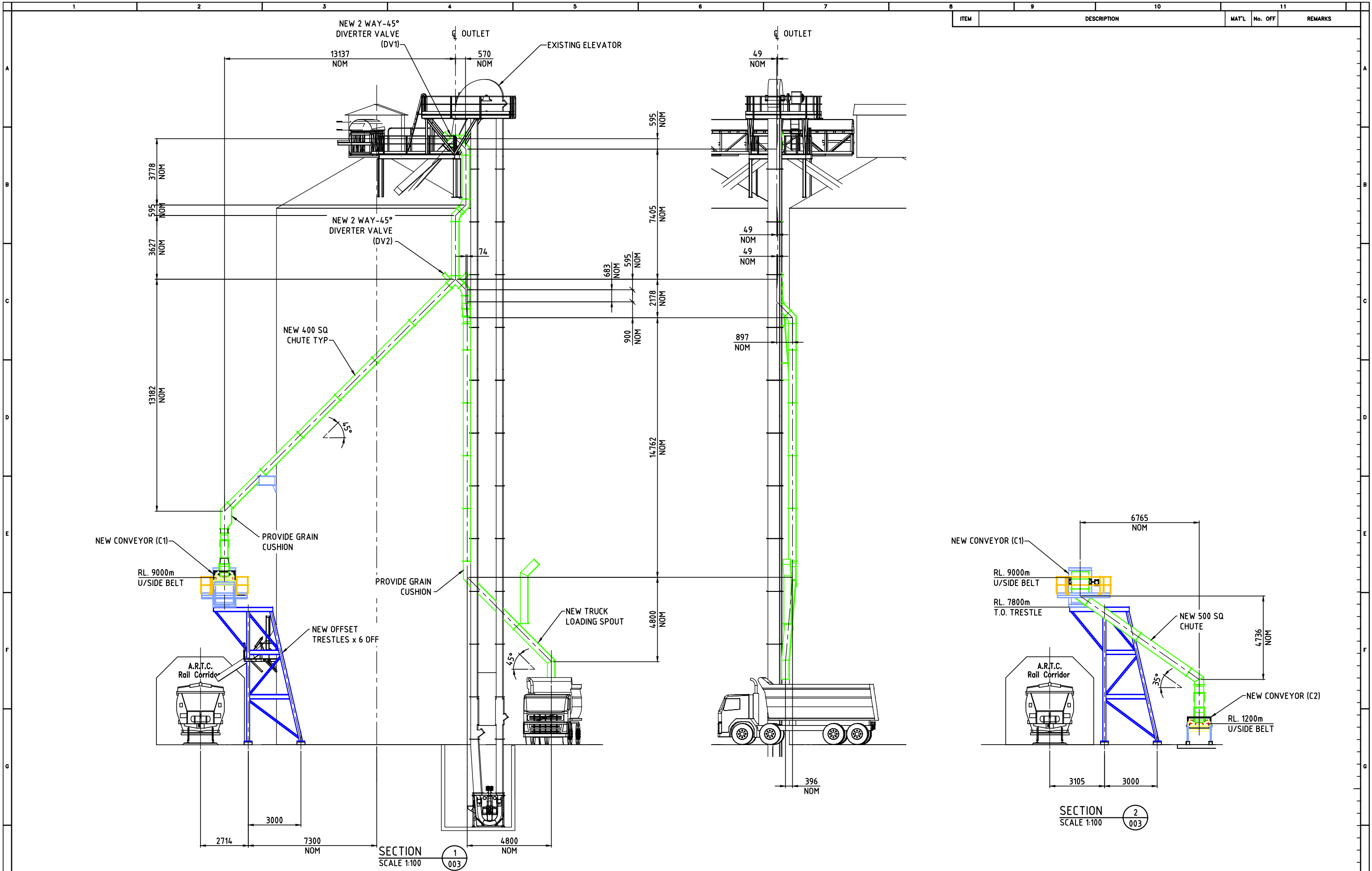
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Level 17, Tower 1
201 Sussex Street
Sydney NSW 2000
Telephone (02) 9325 9100
edms@growing.com.au

TITLE
PROJECT REGENERATION
CUNNINGAR-PROPOSED RAIL LOADING CONCEPT
SITE ARRANGEMENT ELEVATIONS

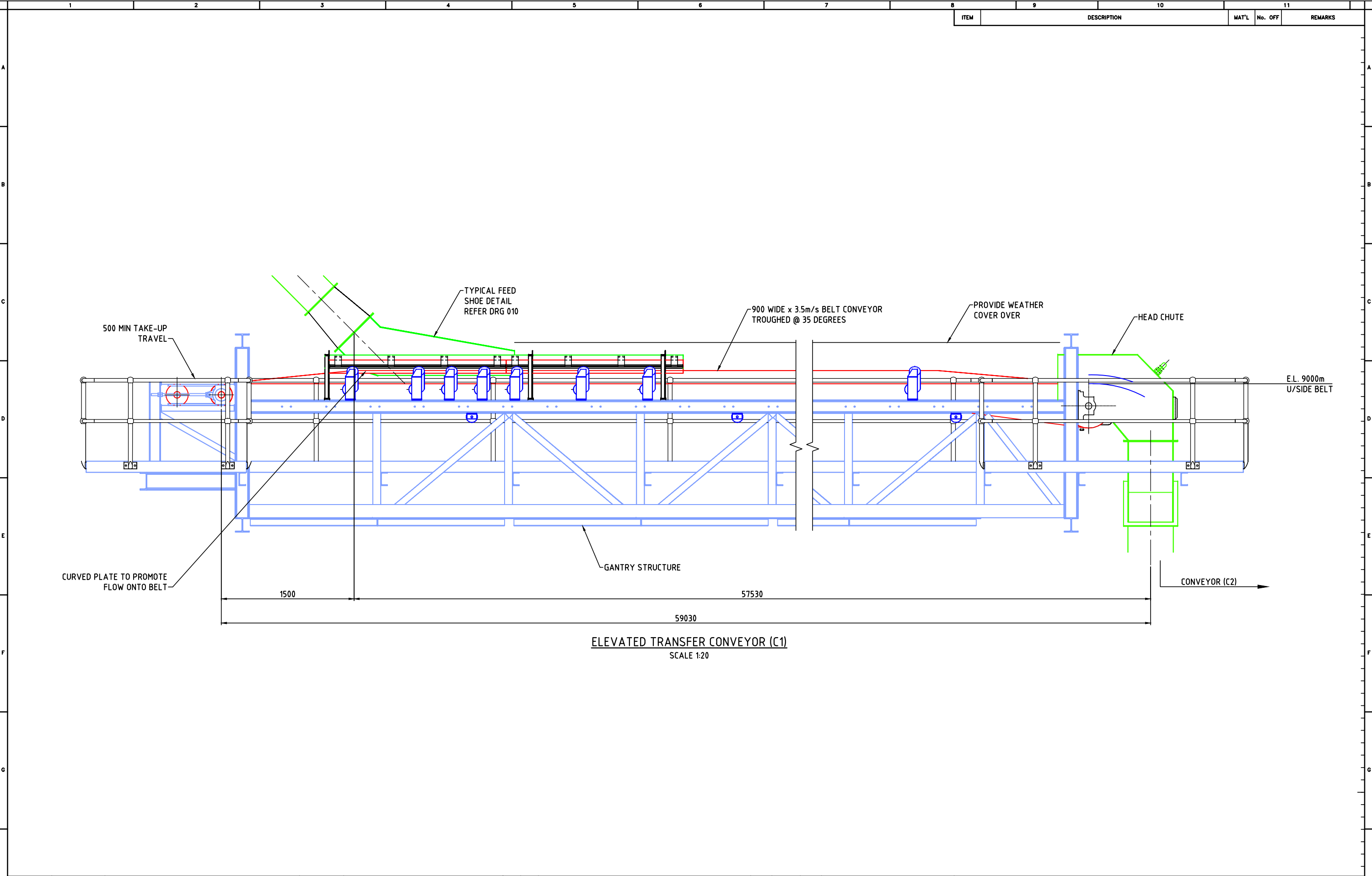
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Level 17, Tower 1				ABN 52 003 875 401				PROJECT REGENERATION				DRAWING NUMBER			
201 Sussex Street				www.graincorp.com.au				CUNNINGAR-PROPOSED RAIL LOADING CONCEPT				20160701-CUN-DWG-005			
Sydney NSW 2000								SITE ARRANGEMENT SECTION DETAILS				REVISION			
Telephone (02) 9325 9100								A							

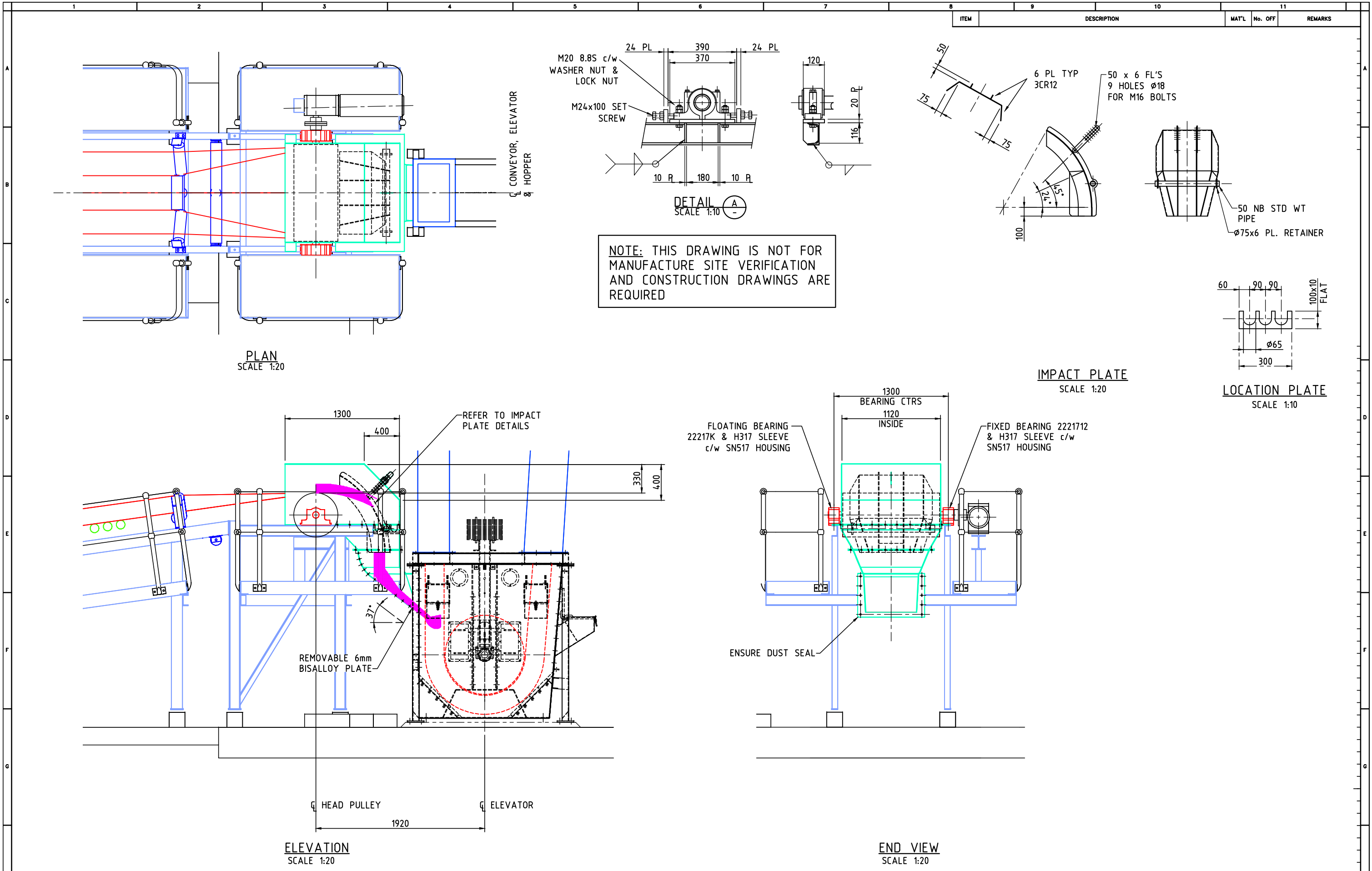


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Level 17, Tower 1		ABN 52 003 875 401		PROJECT REGENERATION	
201 Sussex Street		www.graincorp.com.au		CUNNINGAR-PROPOSED RAIL LOADING CONCEPT	
Sydney NSW 2000		Head Office		CONVEYOR C1 ARRANGEMENT	
Telephone (02) 9325 9100		eDMS		PROJECT NUMBER	
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