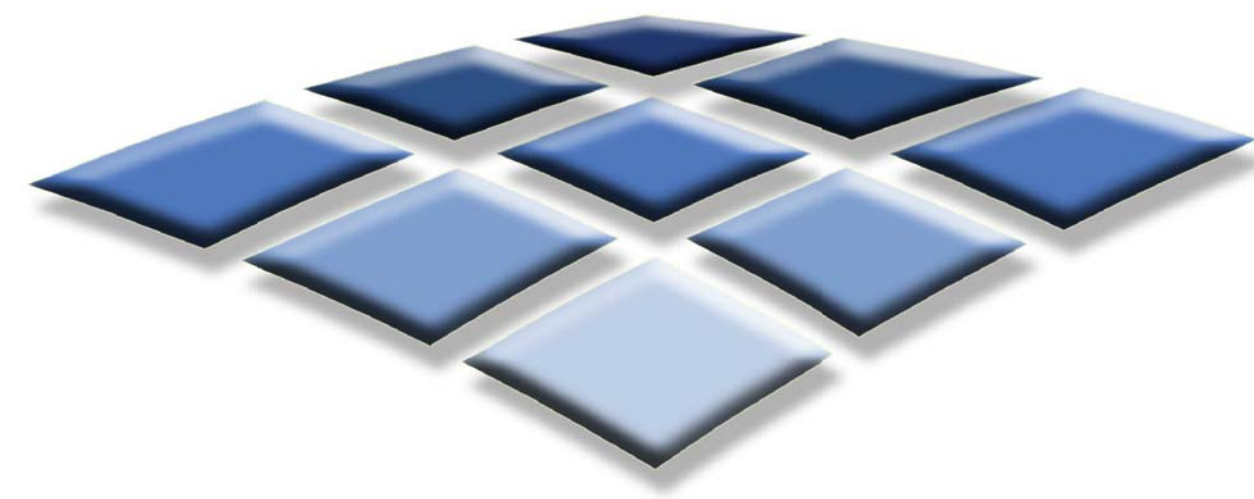


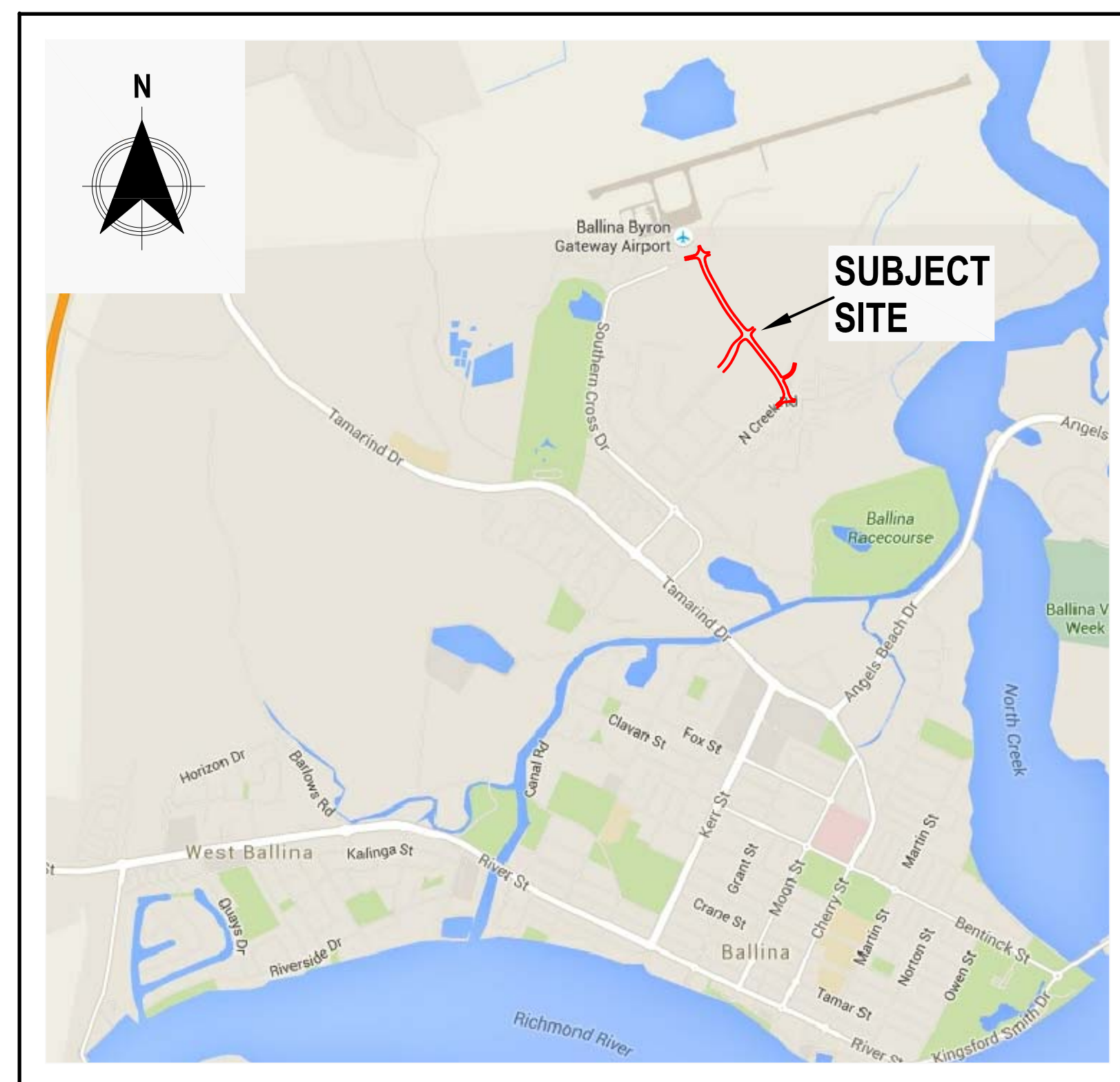


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**AIRPORT BOULEVARD
CONCEPT ENGINEERING PLANS
North Creek Road, Ballina**
for
BALLINA SHIRE COUNCIL

LOCALITY PLAN:

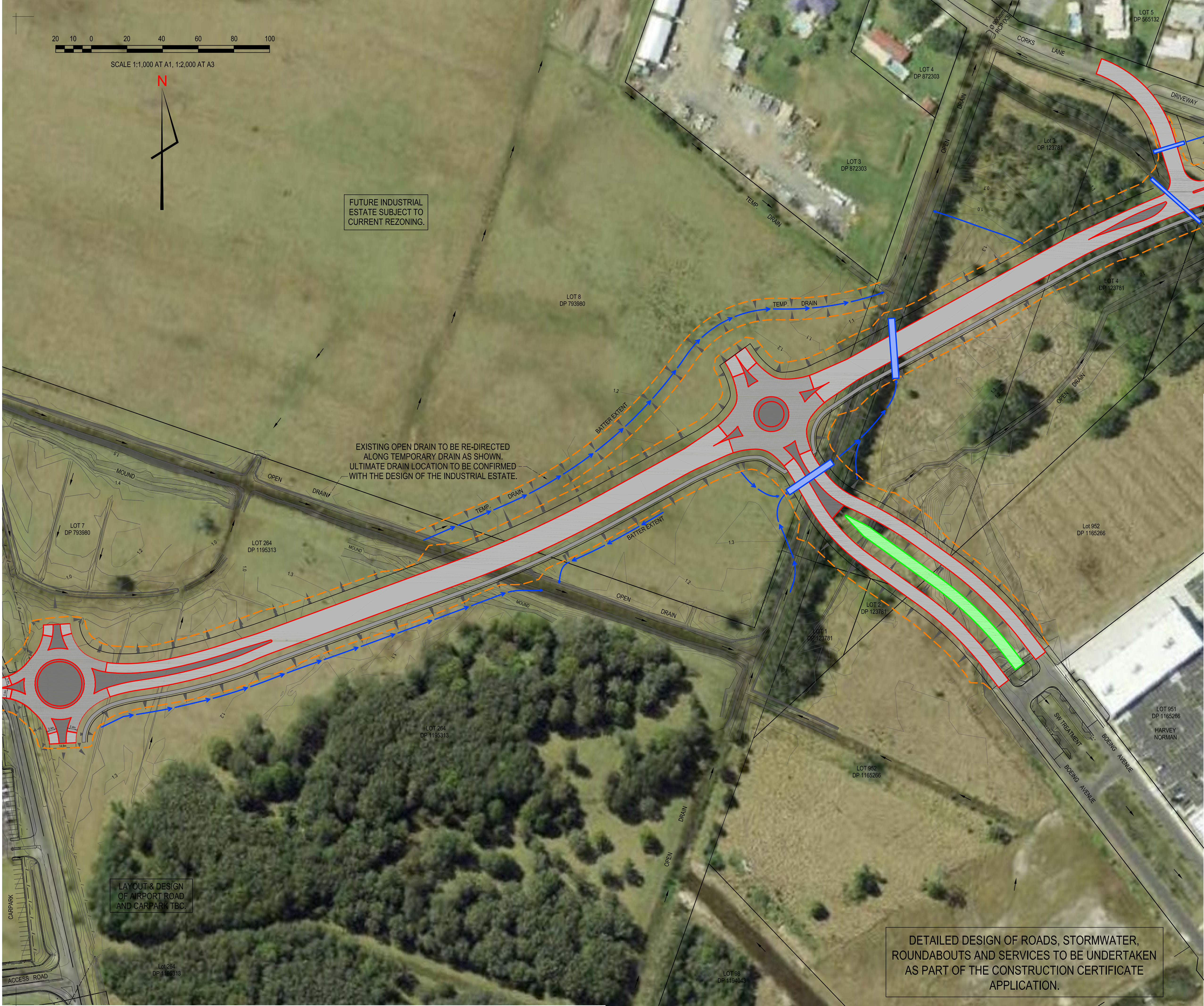


DRAWING INDEX:

SHEET 1	DA1	COVER SHEET
SHEET 2	DA2	SITE PLAN WITH AERIAL OVERLAY
SHEET 3	DA3	ROADWORKS & DRAINAGE CONCEPT PLAN (NORTH)
SHEET 4	DA4	ROADWORKS & DRAINAGE CONCEPT PLAN (SOUTH)
SHEET 5	DA5	ROADWORKS & DRAINAGE CONCEPT PLAN (BOEING AVE.)
SHEET 6	DA6	LINK ROAD LONG SECTION
SHEET 7	DA7	LINK ROAD LONG SECTION
SHEET 8	DA8	LINK ROAD CROSS SECTIONS
SHEET 9	DA9	LINK ROAD CROSS SECTIONS
SHEET 10	DA10	BOEING AVE. ROAD LONG SECTION
SHEET 11	DA11	BOEING AVE. CROSS SECTIONS
SHEET 12	DA12	CORKS LANE LONG & CROSS SECTIONS

ROADS & DRAINAGE
REF CONCEPT ENGINEERING PLANS
INDEX SHEET
15161-DA1B

March 2017



- LEGEND**
- PROPERTY BOUNDARIES
 - GRASSED SWALE
 - EXTENT OF EARTHWORKS
 - BITUMEN ROAD (PROPOSED)
 - CONCRETE ISLAND & MEDIANS (PROPOSED)
 - CONCRETE ROUNDABOUT (PROPOSED)
 - STORMWATER TREATMENT (PROPOSED)
 - PIPE CULVERT / BOX CULVERT (PROPOSED)

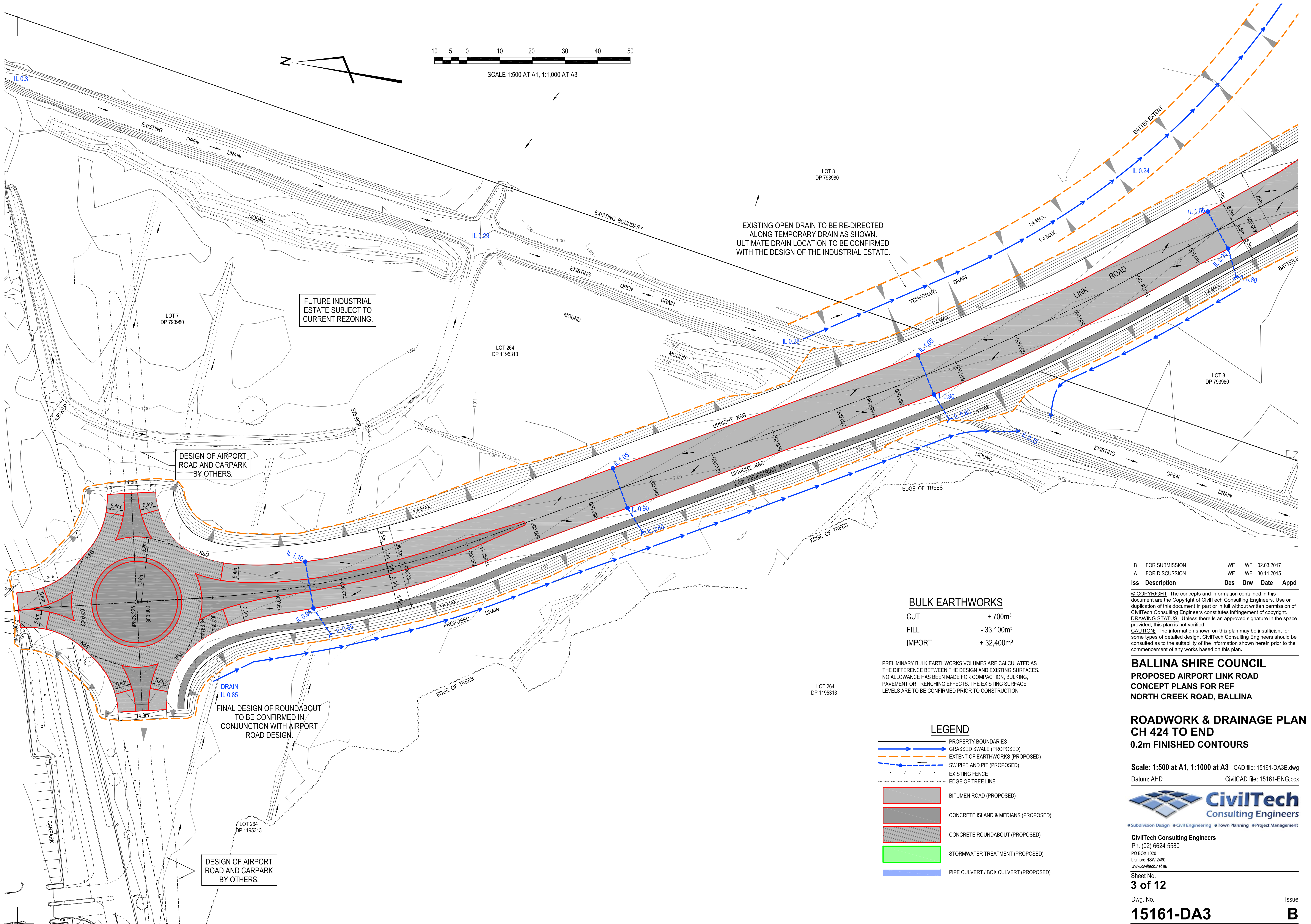
B	FOR SUBMISSION	WF	WF	02.03.2017	
A	FOR DISCUSSION	WF	WF	30.11.2015	
Iss	Description	Des	Drw	Date	Appd
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BALLINA SHIRE COUNCIL
PROPOSED AIRPORT LINK ROAD
CONCEPT ENGINEERING PLANS FOR REF
NORTH CREEK ROAD, BALLINA

PROPOSED SITE PLAN WITH
AERIAL OVERLAY
EXISTING 0.1m CONTOURS

Scale: 1:1000 at A1, 1:2000 at A3 CAD file: 15161-DA2B.dwg
Datum: AHD CivilCAD file: 15161-ENG.ccx





BULK EARTHWORKS

CUT	+ 700m³
FILL	- 33,100m³
IMPORT	+ 32,400m³

PRELIMINARY BULK EARTHWORKS VOLUMES ARE CALCULATED AS THE DIFFERENCE BETWEEN THE DESIGN AND EXISTING SURFACES. NO ALLOWANCE HAS BEEN MADE FOR COMPACTION, BULKING, PAVEMENT OR TRENCHING EFFECTS. THE EXISTING SURFACE LEVELS ARE TO BE CONFIRMED PRIOR TO CONSTRUCTION.

LEGEND

- PROPERTY BOUNDARIES
- GRASSSED SWALE (PROPOSED)
- EXTENT OF EARTHWORKS (PROPOSED)
- SW PIPE AND PIT (PROPOSED)
- EXISTING FENCE
- EDGE OF TREE LINE
- BITUMEN ROAD (PROPOSED)
- CONCRETE ISLAND & MEDIANS (PROPOSED)
- CONCRETE ROUNDABOUT (PROPOSED)
- STORMWATER TREATMENT (PROPOSED)
- PIPE CULVERT / BOX CULVERT (PROPOSED)

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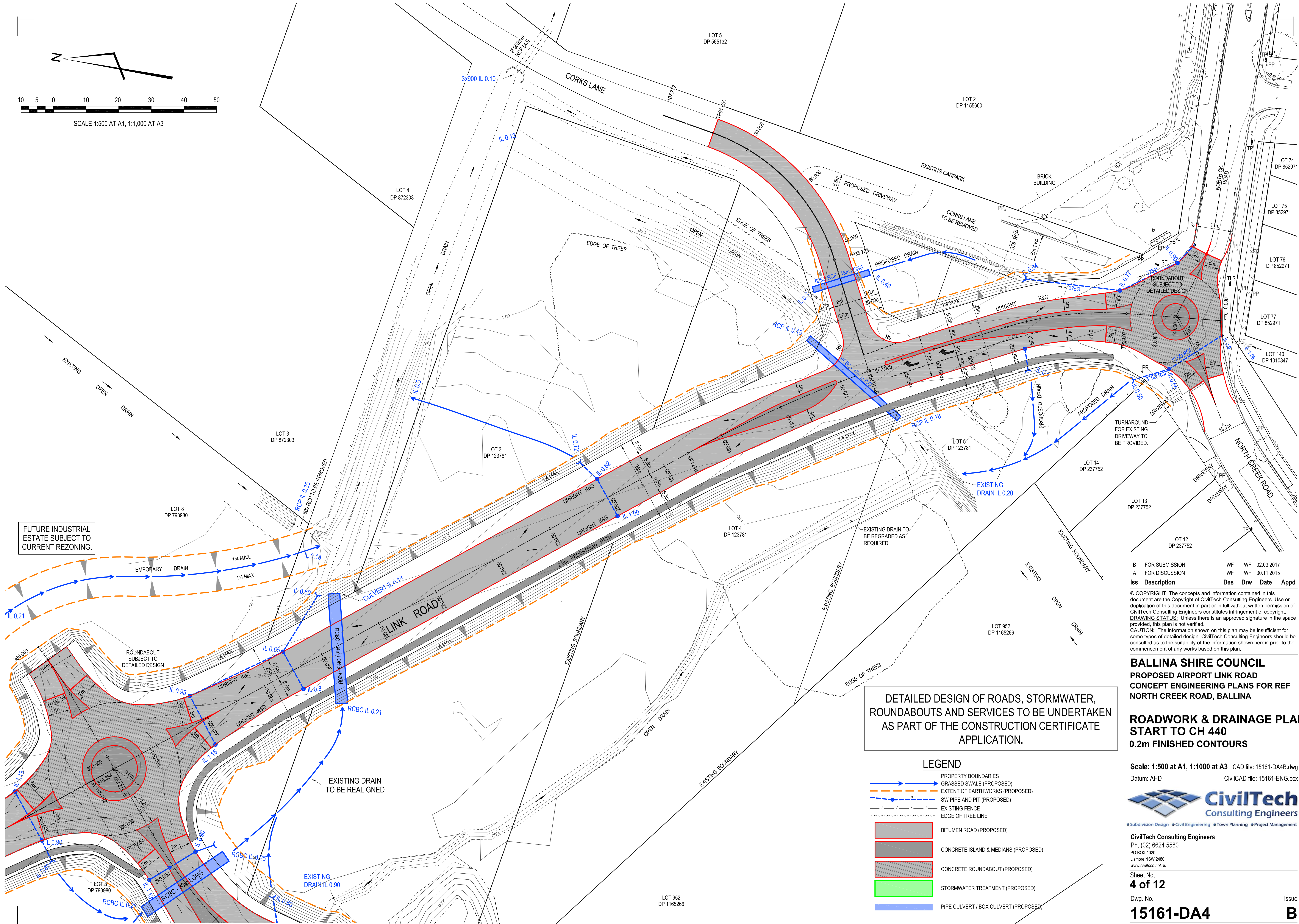
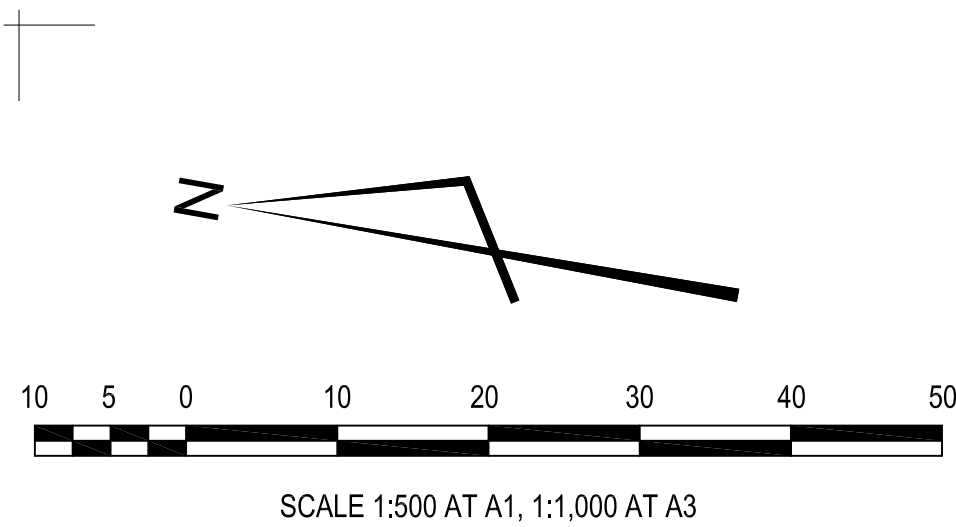
BALLINA SHIRE COUNCIL
PROPOSED AIRPORT LINK ROAD
CONCEPT PLANS FOR REF
NORTH CREEK ROAD, BALLINA

ROADWORK & DRAINAGE PLAN
CH 424 TO END
0.2m FINISHED CONTOURS

Scale: 1:500 at A1, 1:1000 at A3 CAD file: 15161-DA3B.dwg
Datum: AHD CivilCAD file: 15161-ENG.ccx



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DETAILED DESIGN OF ROADS, STORMWATER, ROUNDABOUTS AND SERVICES TO BE UNDERTAKEN AS PART OF THE CONSTRUCTION CERTIFICATE APPLICATION.

- LEGEND**
- PROPERTY BOUNDARIES
 - GRASSED SWALE (PROPOSED)
 - EXTENT OF EARTHWORKS (PROPOSED)
 - SW PIPE AND PIT (PROPOSED)
 - EXISTING FENCE
 - EDGE OF TREE LINE
 - BITUMEN ROAD (PROPOSED)
 - CONCRETE ISLAND & MEDIANS (PROPOSED)
 - CONCRETE ROUNDABOUT (PROPOSED)
 - STORMWATER TREATMENT (PROPOSED)
 - PIPE CULVERT / BOX CULVERT (PROPOSED)

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PROPOSED AIRPORT LINK ROAD
CONCEPT ENGINEERING PLANS FOR REF
NORTH CREEK ROAD, BALLINA

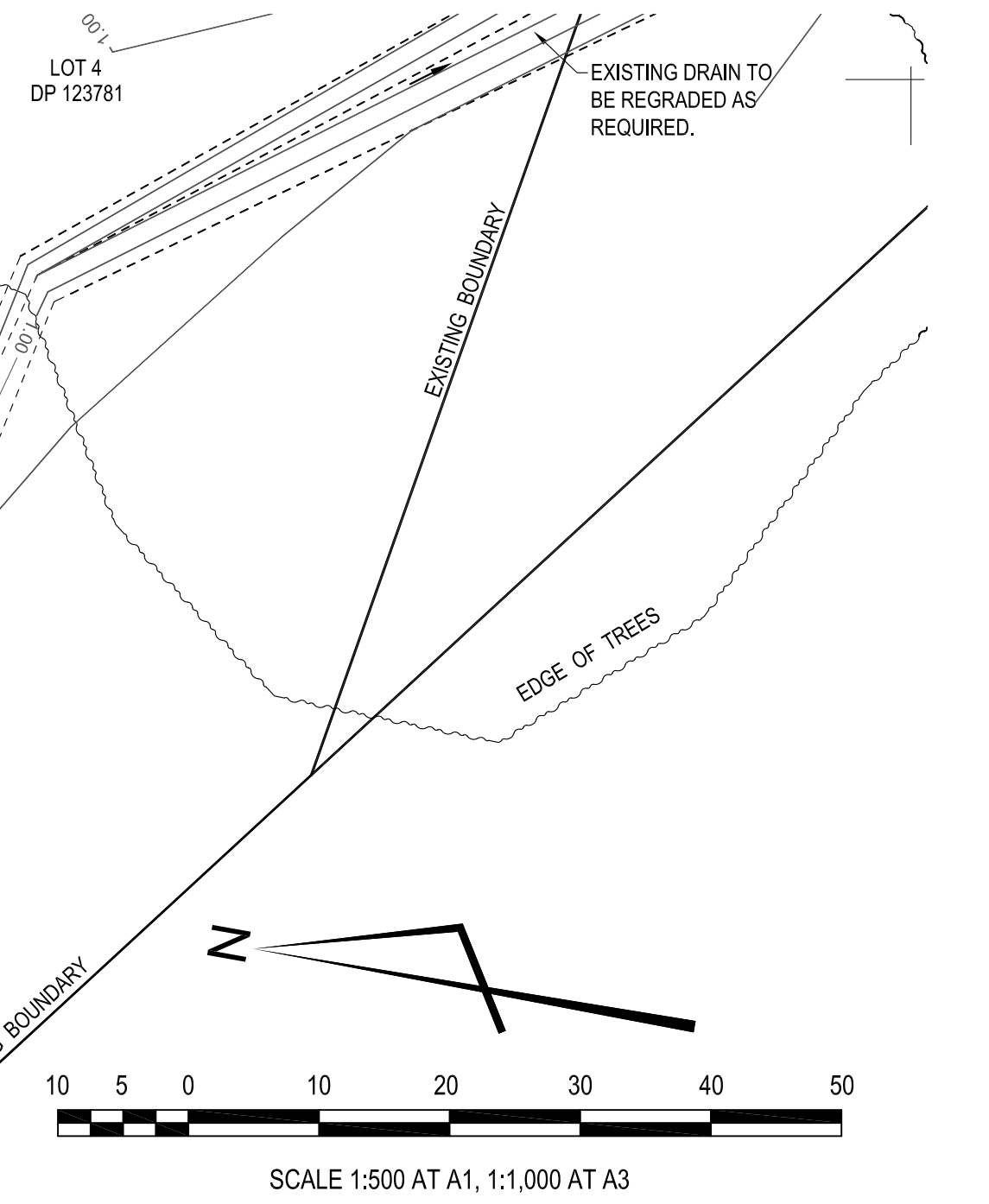
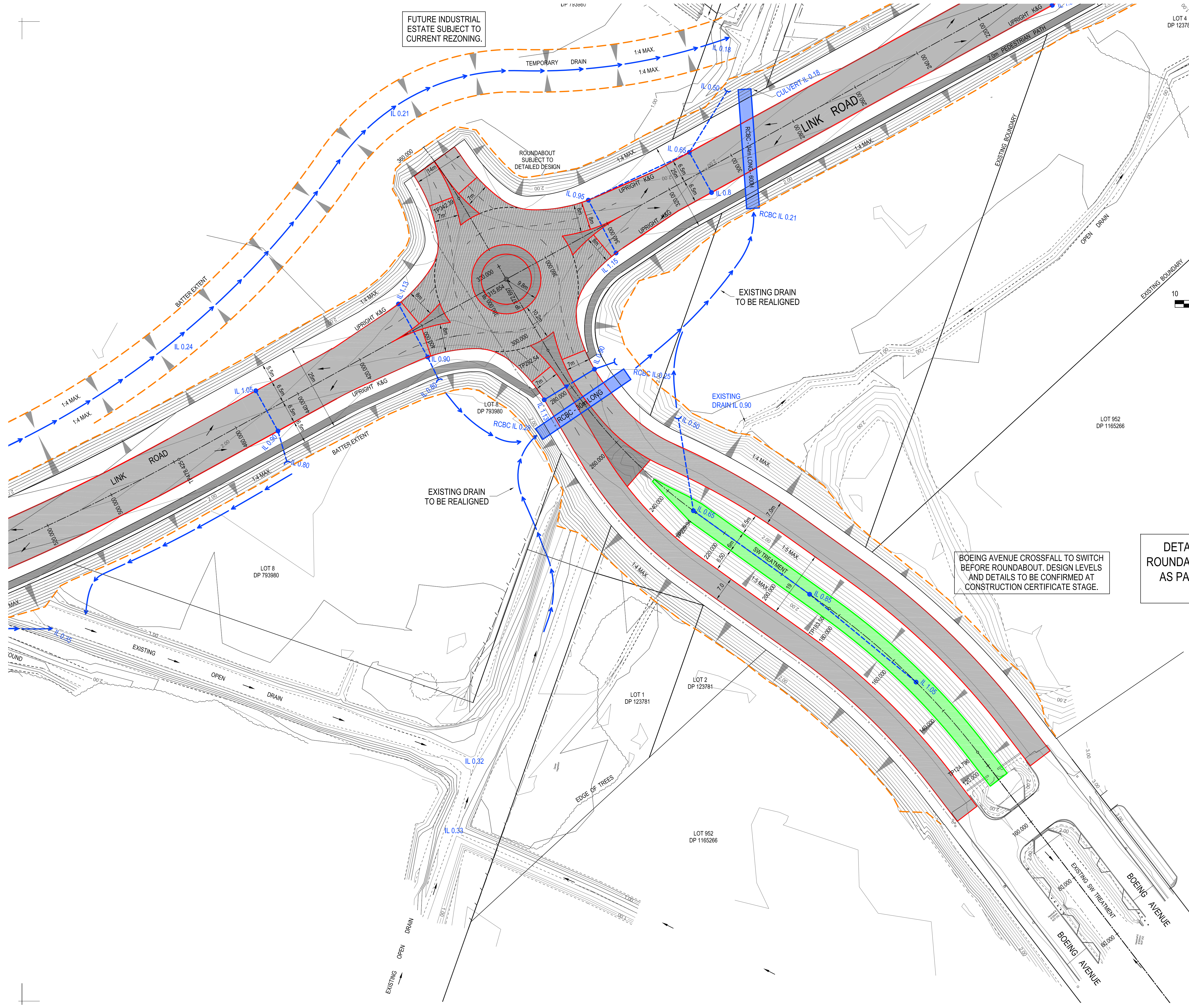
ROADWORK & DRAINAGE PLAN
START TO CH 440
0.2m FINISHED CONTOURS

Scale: 1:500 at A1, 1:1000 at A3 CAD file: 15161-DA4B.dwg
Datum: AHD CivilCAD file: 15161-ENG.ccx



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Sheet No.
4 of 12
Dwg. No.
15161-DA4
Issue
B



- LEGEND**
- PROPERTY BOUNDARIES
 - GRASSED SWALE (PROPOSED)
 - EXTENT OF EARTHWORKS (PROPOSED)
 - SW PIPE AND PIT (PROPOSED)
 - EXISTING FENCE
 - EDGE OF TREE LINE
 - BITUMEN ROAD (PROPOSED)
 - CONCRETE ISLAND & MEDIANS (PROPOSED)
 - CONCRETE ROUNDABOUT (PROPOSED)
 - STORMWATER TREATMENT (PROPOSED)
 - PIPE CULVERT / BOX CULVERT (PROPOSED)

DETAILED DESIGN OF ROADS, STORMWATER, ROUNDABOUTS AND SERVICES TO BE UNDERTAKEN AS PART OF THE CONSTRUCTION CERTIFICATE APPLICATION.

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BALLINA SHIRE COUNCIL
PROPOSED AIRPORT LINK ROAD
CONCEPT ENGINEERING PLANS FOR REF
NORTH CREEK ROAD, BALLINA

ROADWORK & DRAINAGE PLAN
BOEING AVENUE
0.2m FINISHED CONTOURS

Scale: 1:500 at A1, 1:1000 at A3 CAD file: 15161-DA5B.dwg
Datum: AHD CivilCAD file: 15161-ENG.ccx



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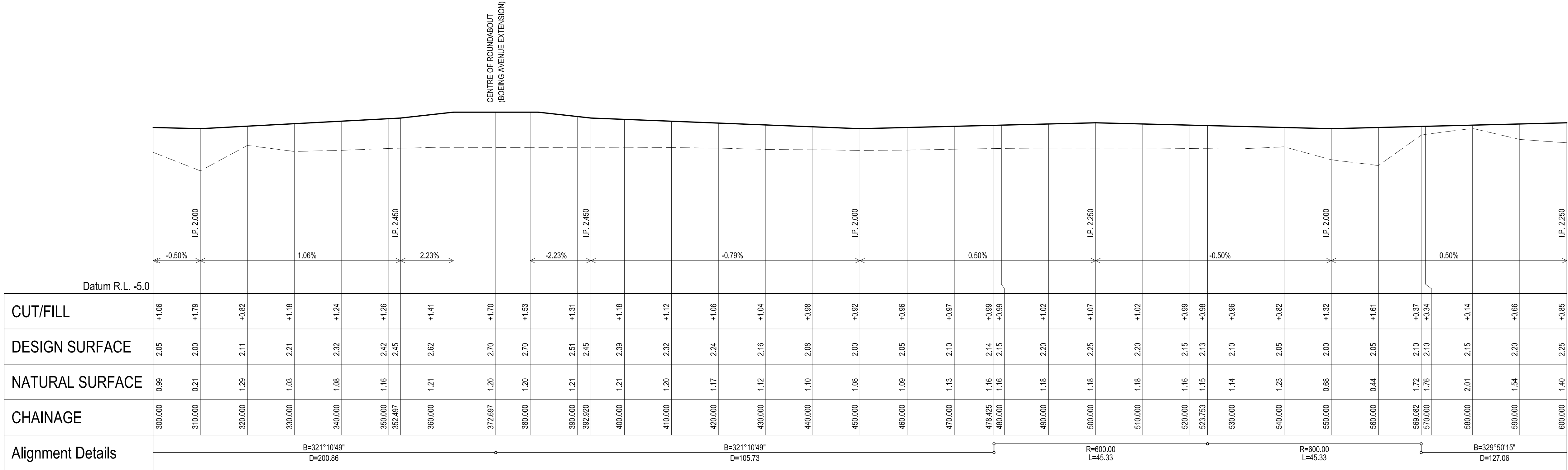
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5 of 12

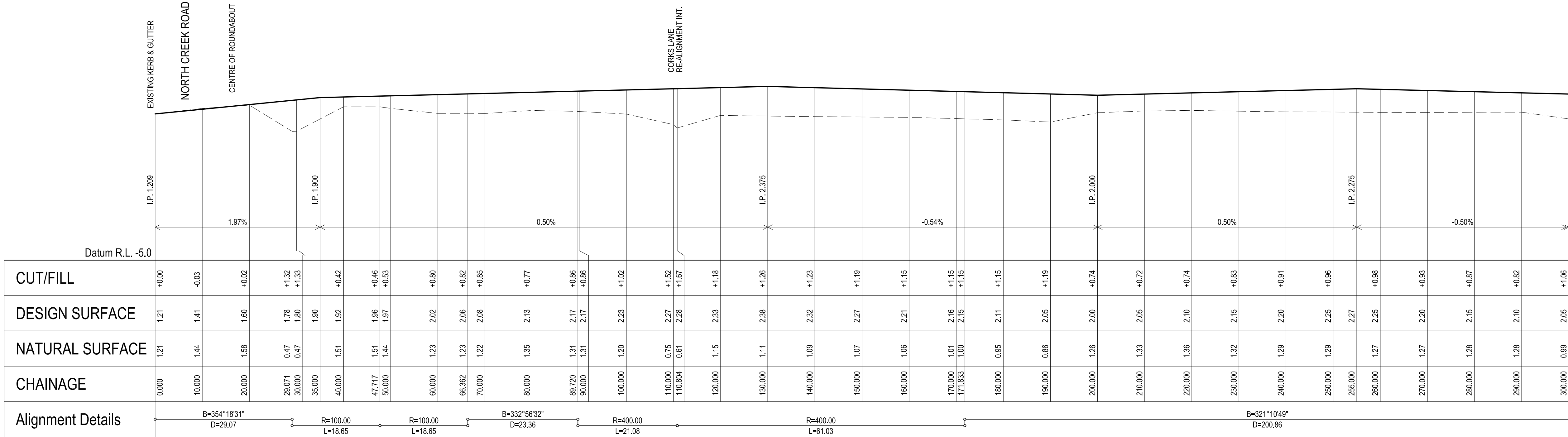
Dwg. No.
15161-DA5

Issue
B



LINK ROAD LONG SECTION (cont'd from below)

Scale Horizontal 1:500 Vertical 1:100 at A1



LINK ROAD LONG SECTION (cont'd above)

Scale Horizontal 1:500 Vertical 1:100 at A1

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PROPOSED AIRPORT LINK ROAD
CONCEPT ENGINEERING PLANS FOR REF
NORTH CREEK ROAD, BALLINA

LINK ROAD
LONG SECTIONS
START TO CH 600

Scale: As Shown at A1 CAD file: 15161-DA6B.dwg
Datum: AHD CivilCAD file: 15161-ENG.ccx



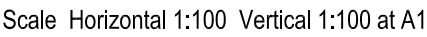
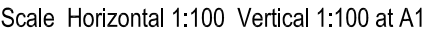
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6 of 12

Dwg. No.
15161-DA6

Issue

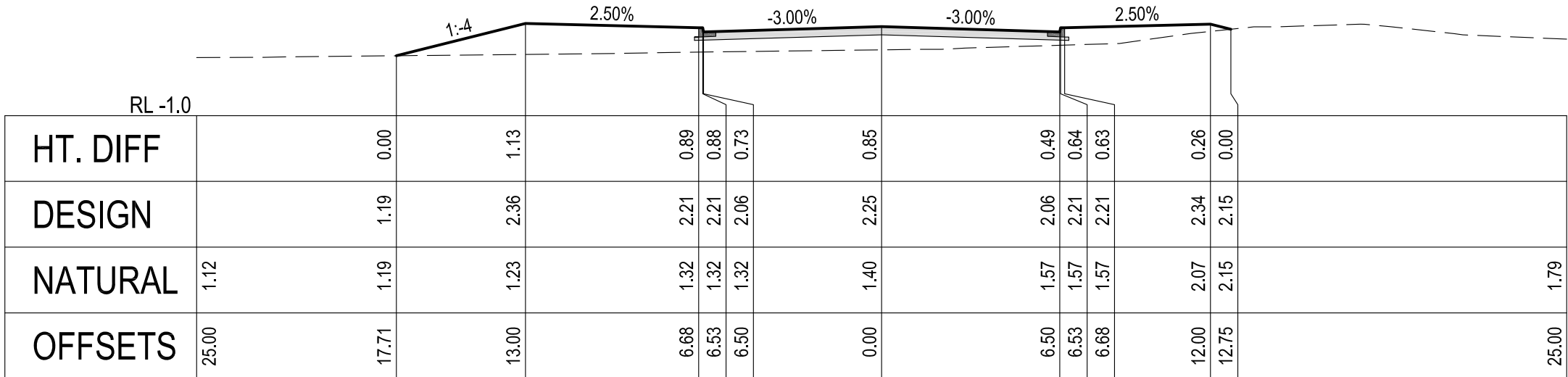
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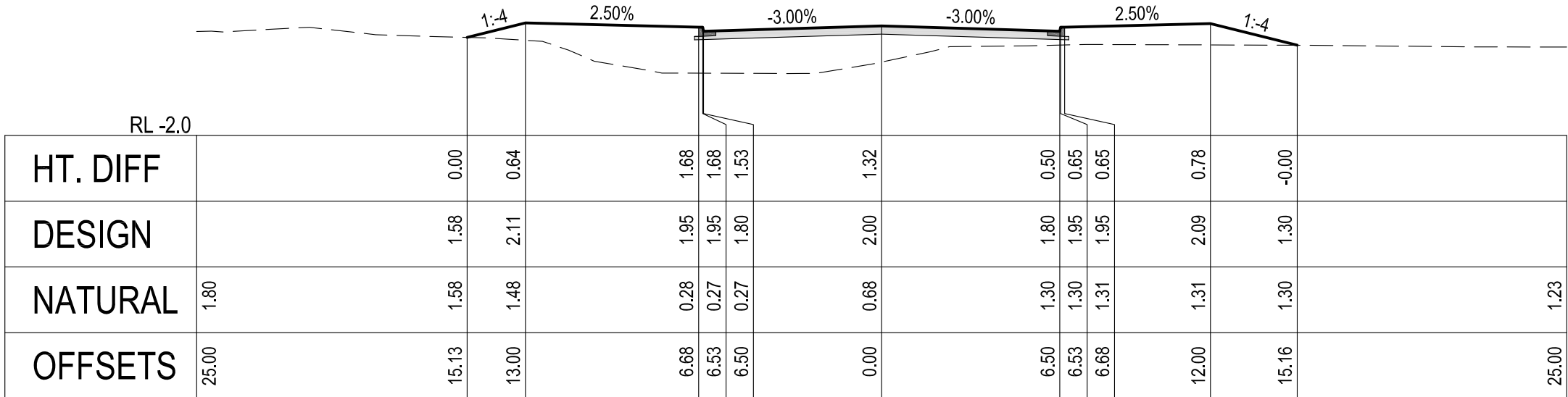
CENTRE OF ROUNDABOUT

Scale Horizontal 1:500 Vertical 1:100 at A1

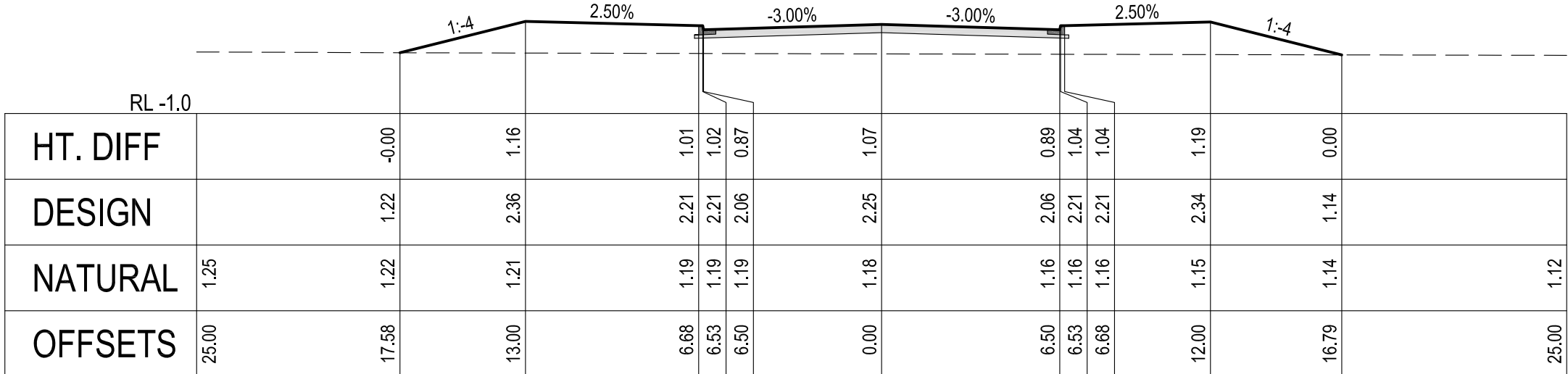
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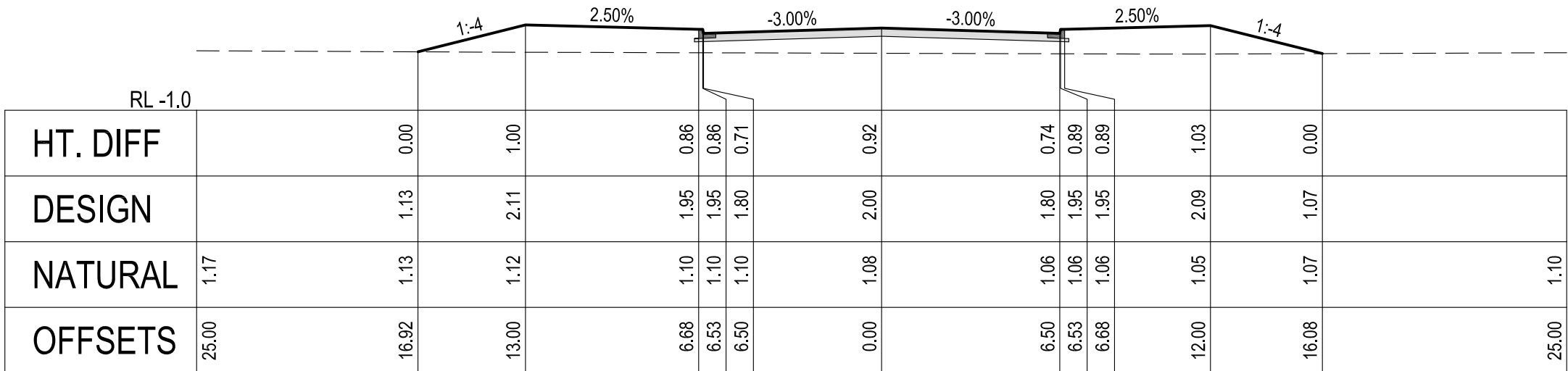
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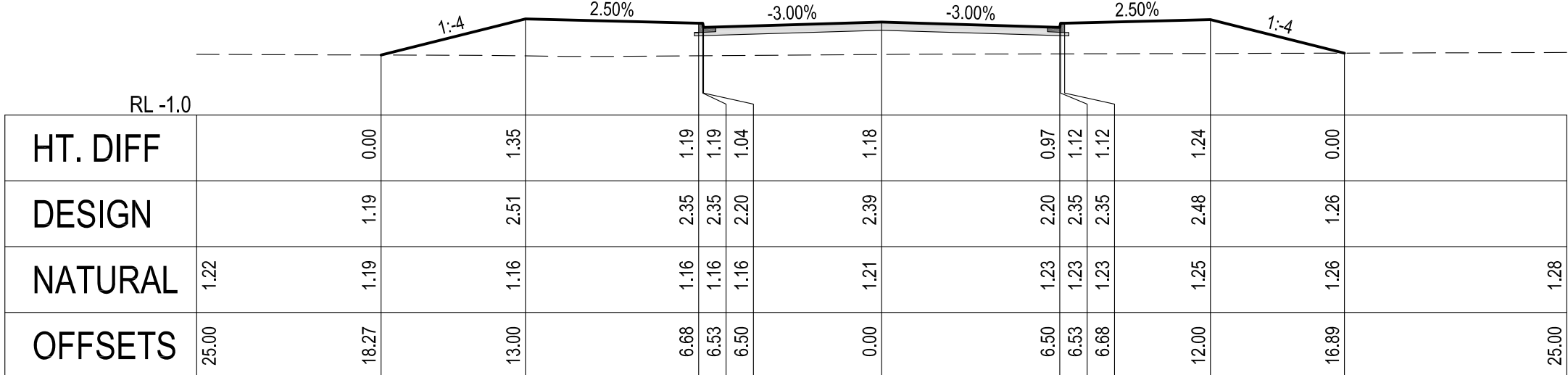
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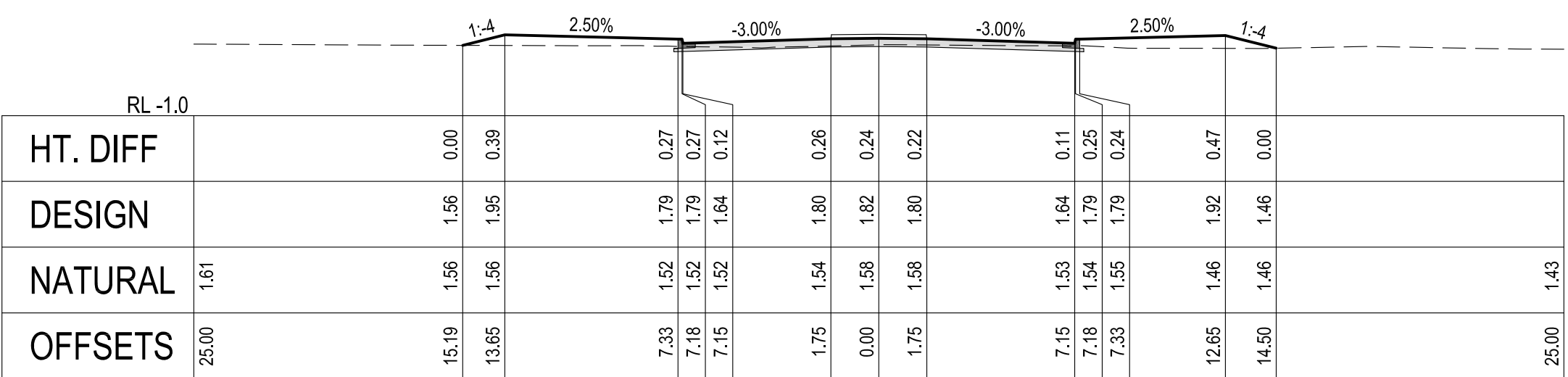
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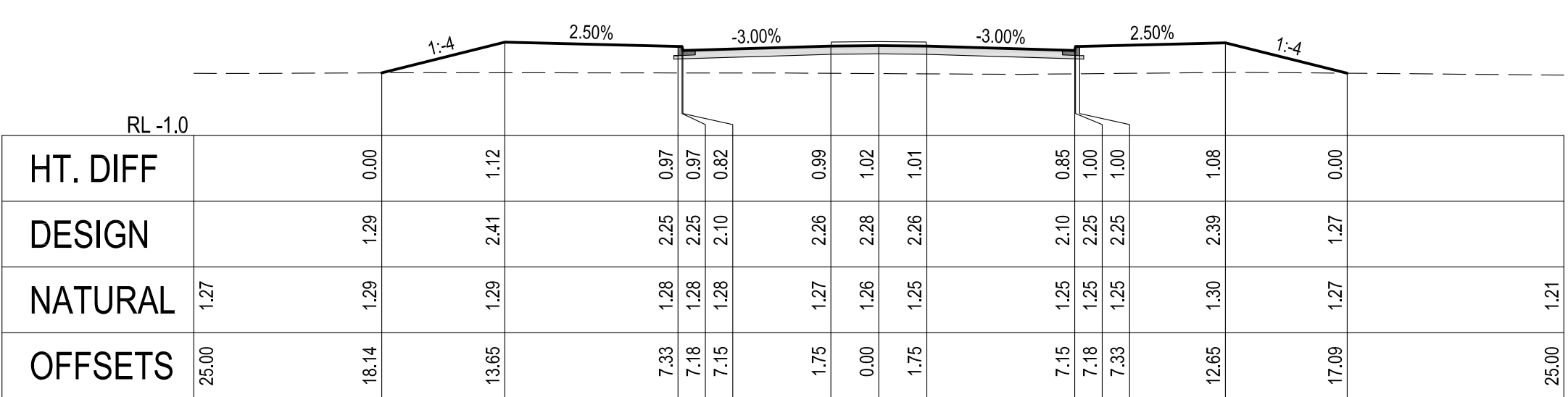
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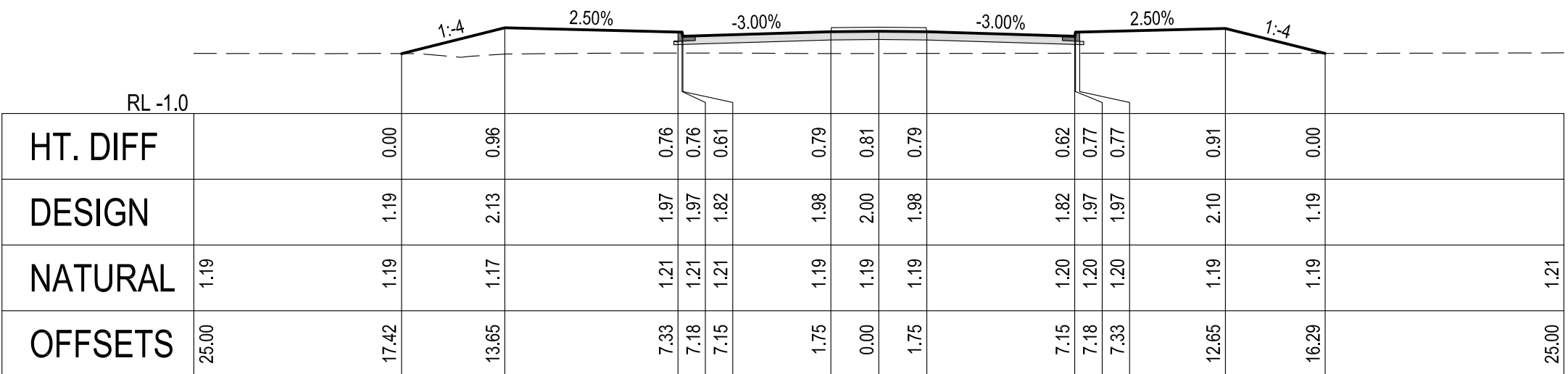
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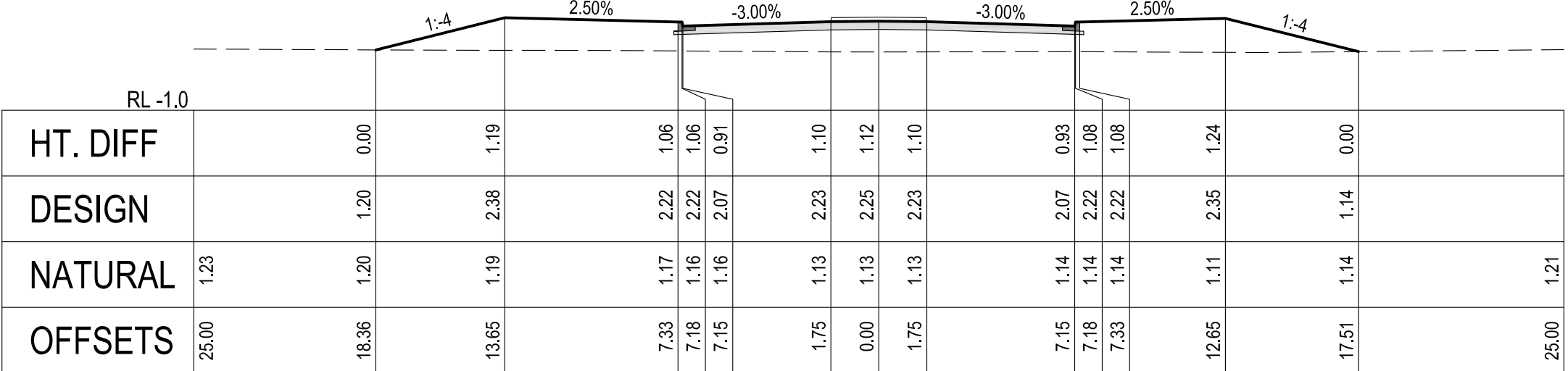
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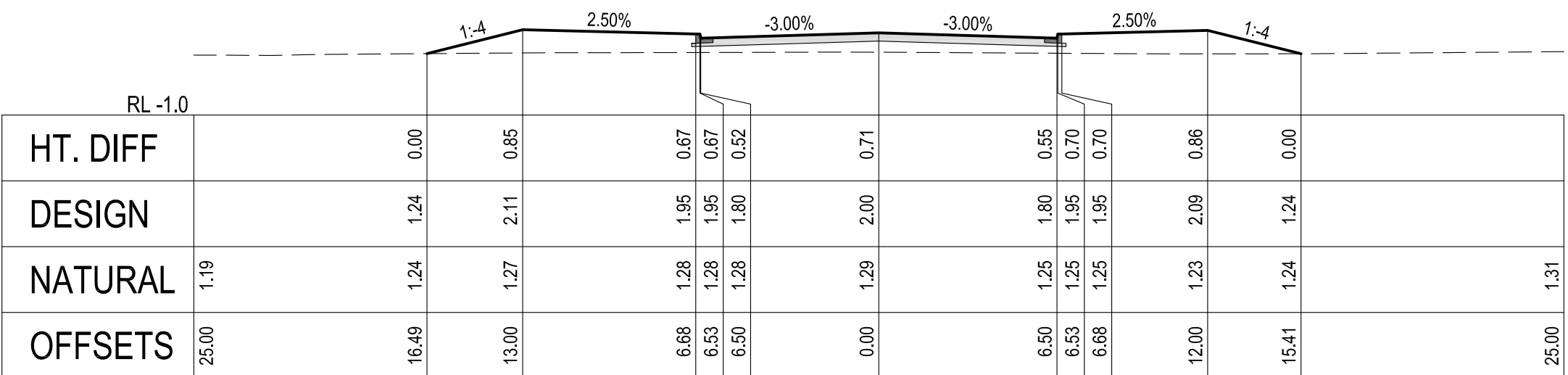
800.000



750.000



700.000



650.000

LINK ROAD CROSS SECTIONS (cont'd on DA9)

Scale Horizontal 1:200 Vertical 1:200

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BALLINA SHIRE COUNCIL
PROPOSED AIRPORT LINK ROAD
CONCEPT ENGINEERING PLANS FOR REF
NORTH CREEK ROAD, BALLINA

LINK ROAD
CROSS SECTIONS

Scale: As Shown at A1 CAD file: 15161-DA9B.dwg
Datum: AHD CivilCAD file: 15161-ENG.ccx



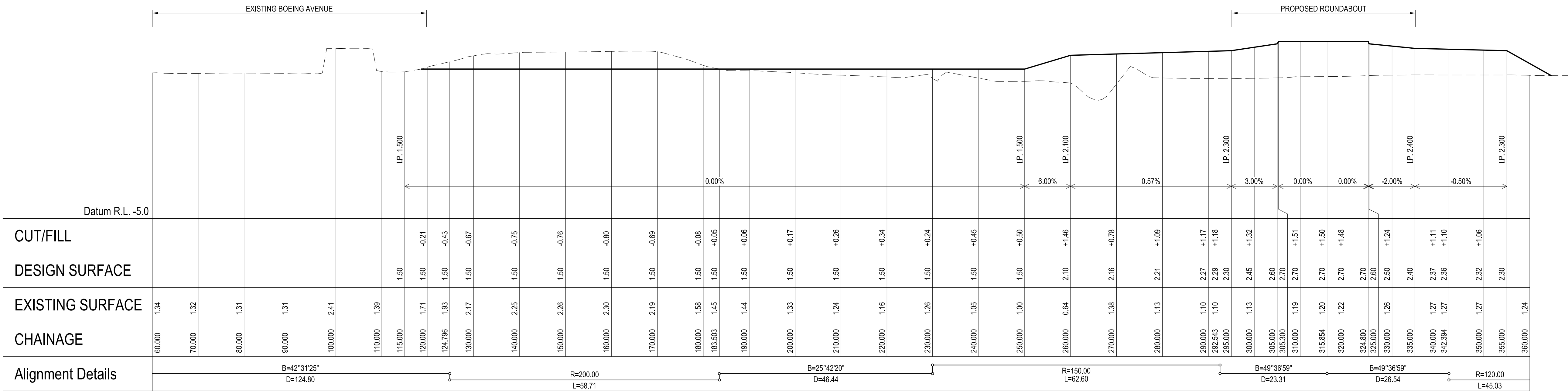
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Dwg. No.
15161-DA9

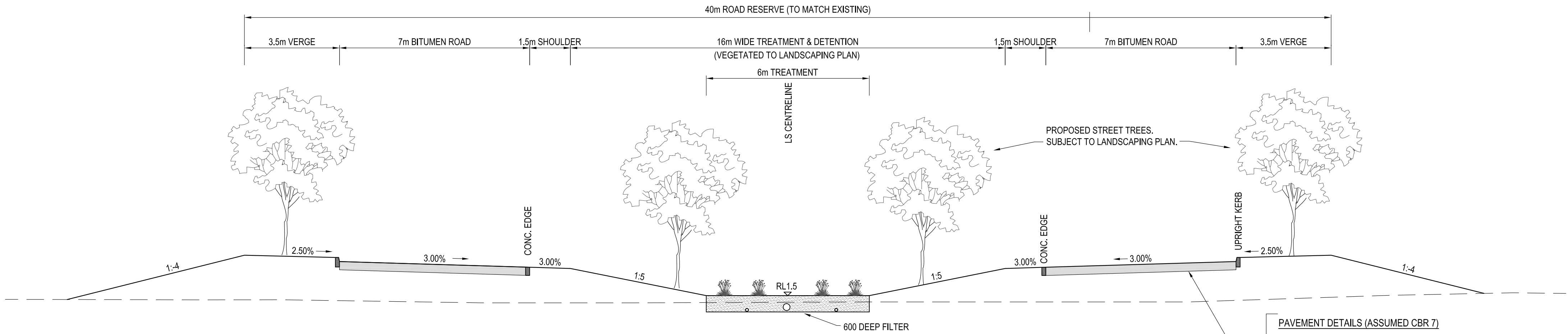
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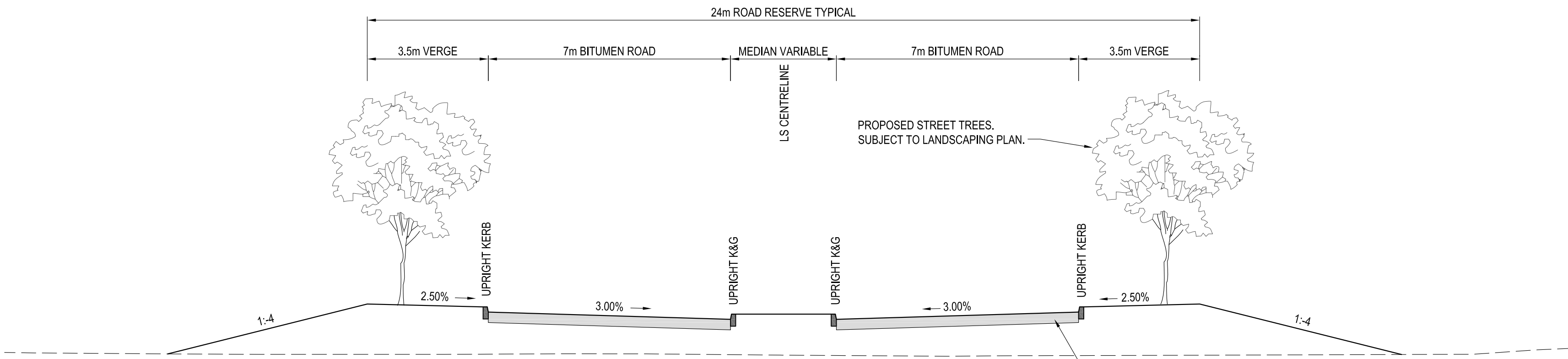
BOEING AVENUE LONG SECTION

Scale Horizontal 1:500 Vertical 1:100 at A1



BOEING AVE. - TYPICAL SECTION CH120-CH260

Scale Horizontal 1:100 Vertical 1:100 at A1



BOEING AVE. - TYPICAL SECTION CH260-CH295

Scale Horizontal 1:100 Vertical 1:100 at A1

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BALLINA SHIRE COUNCIL
PROPOSED AIRPORT LINK ROAD
CONCEPT ENGINEERING PLANS FOR REF
NORTH CREEK ROAD, BALLINA

BOEING AVENUE
LONG SECTION AND
TYPICAL SECTIONS

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Datum: AHD CivilCAD file: 15161-ENG.ccx

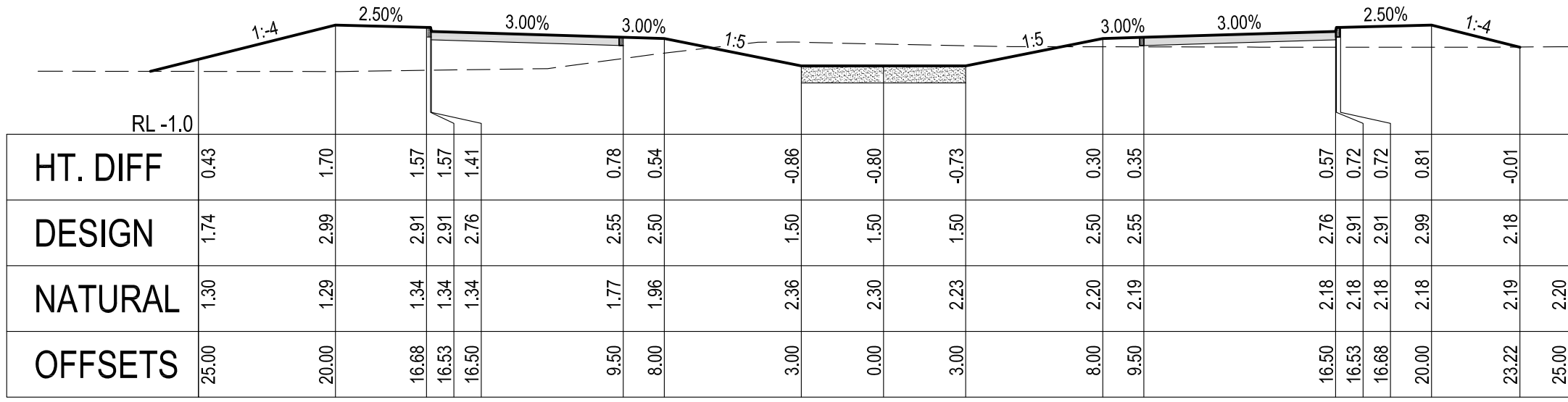


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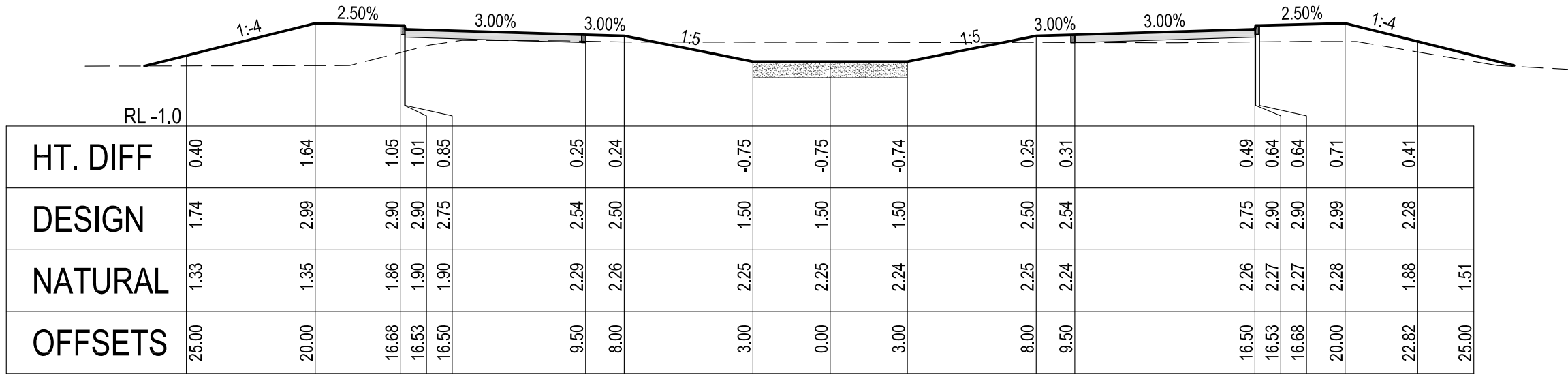
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10 of 12

Dwg. No.
15161-DA10

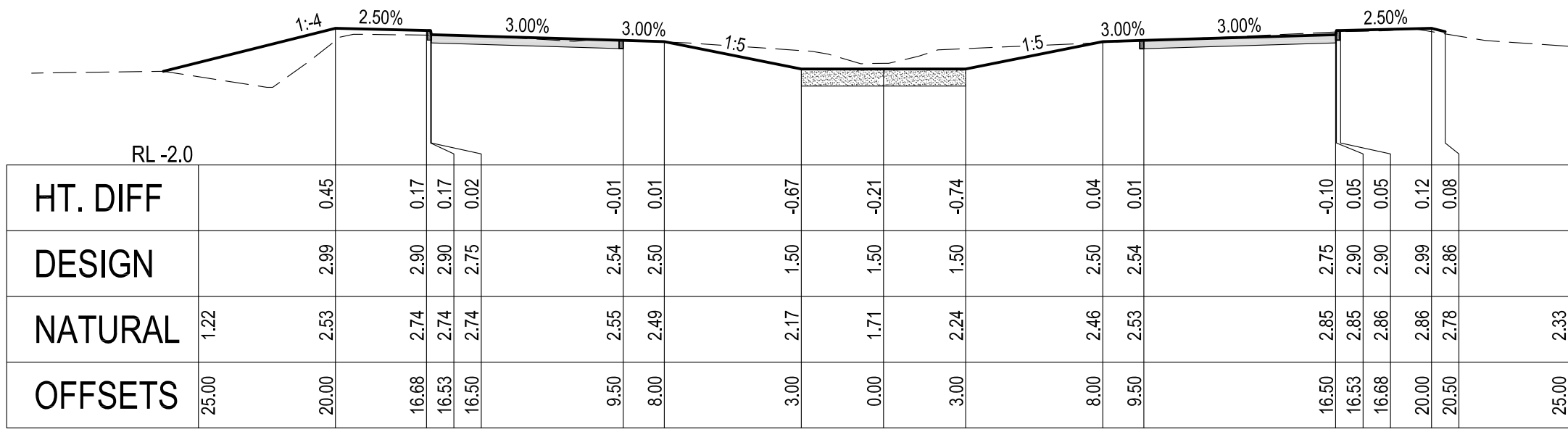
Issue
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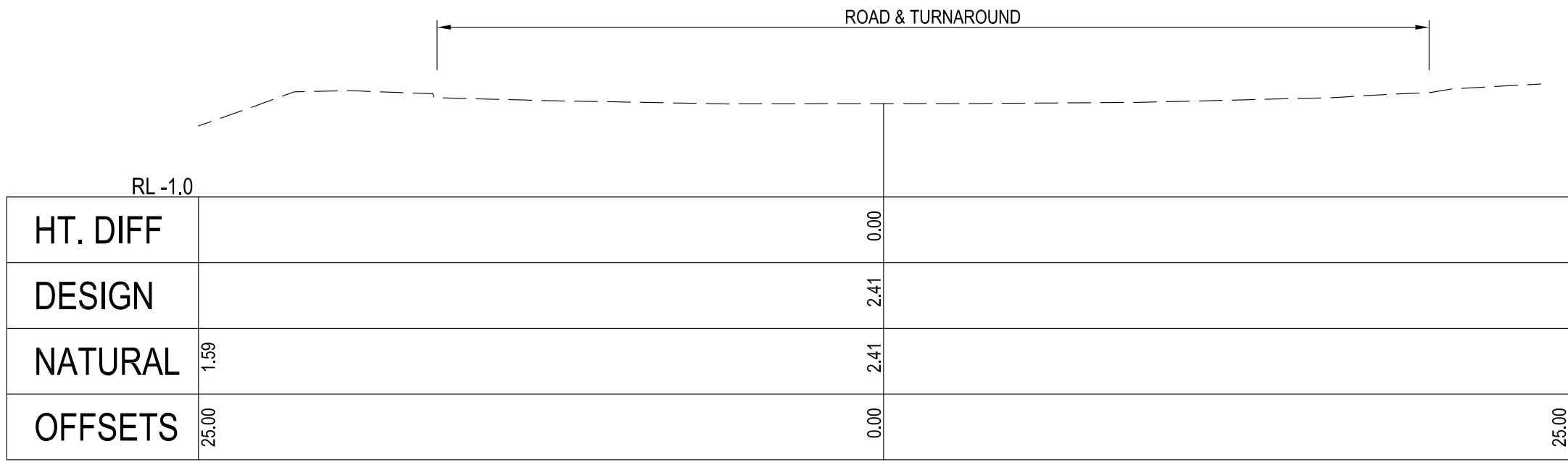
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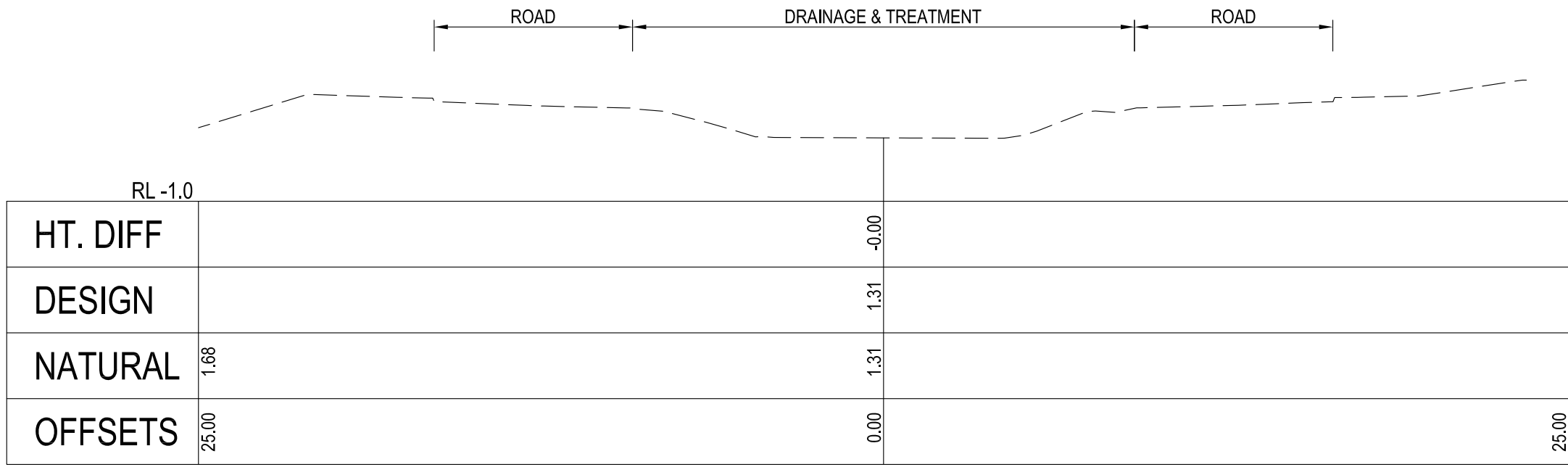
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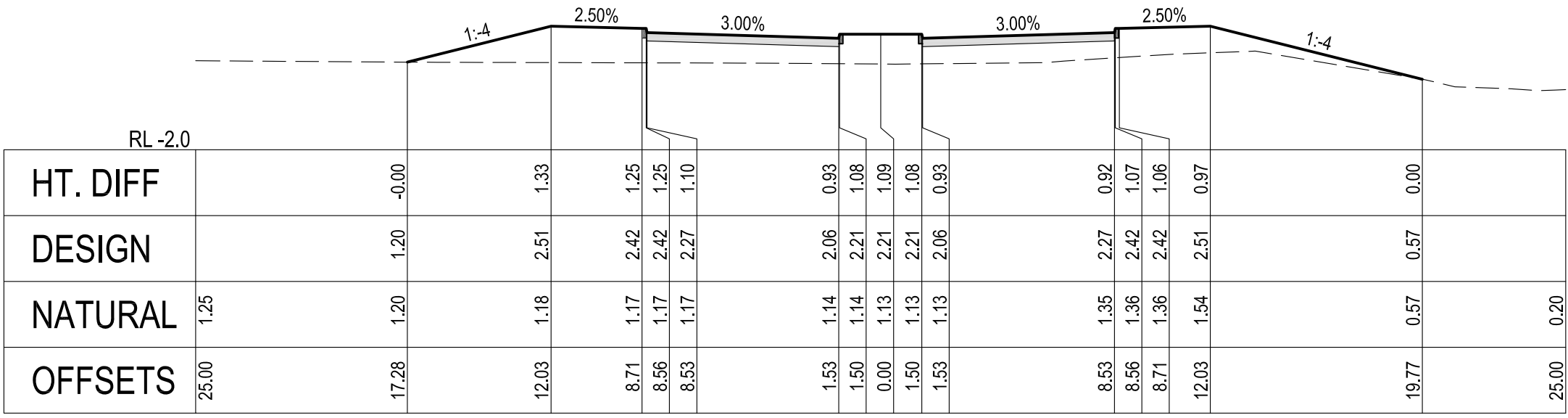
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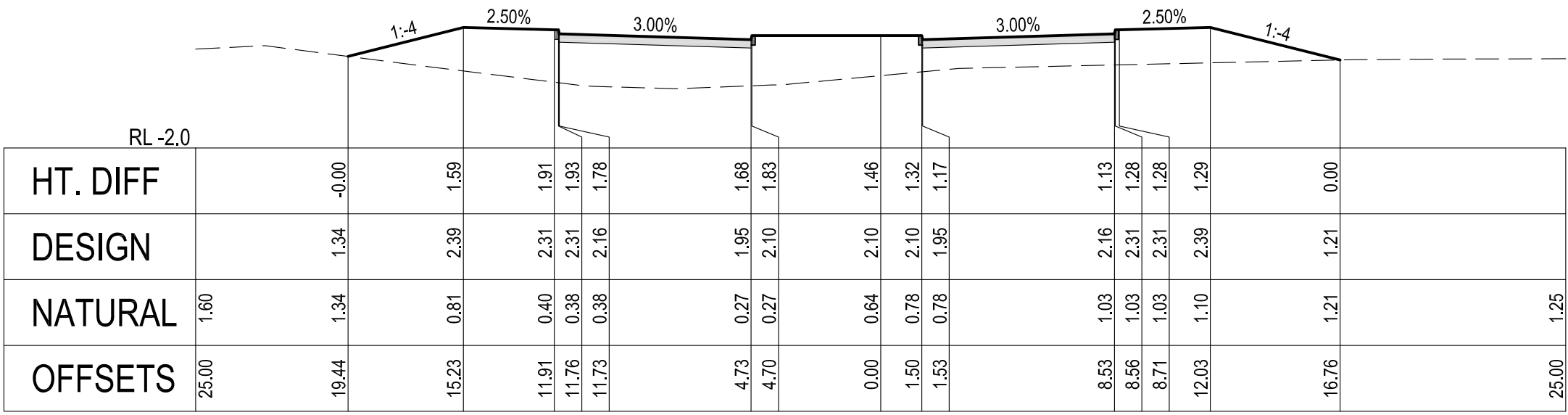
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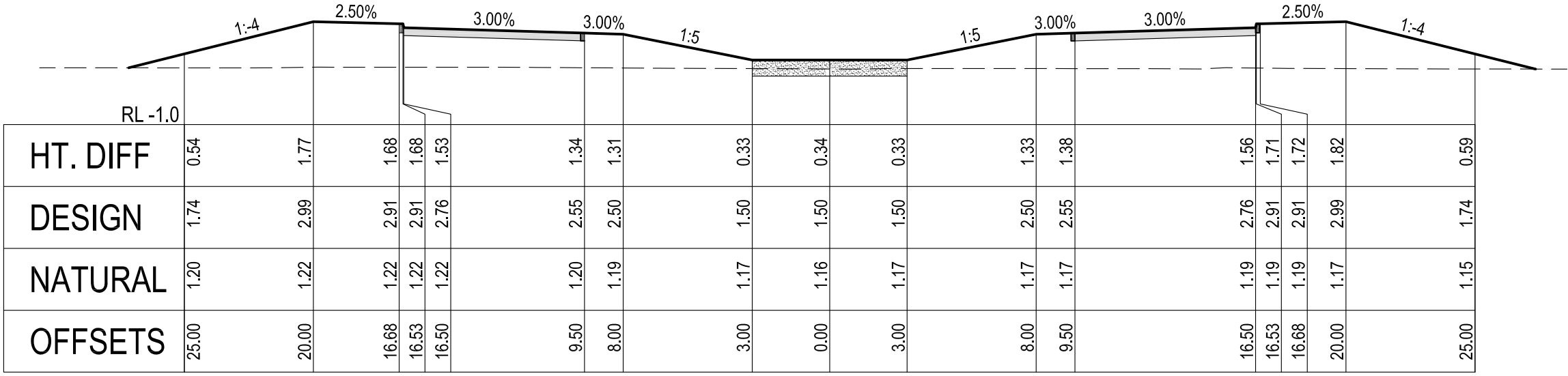
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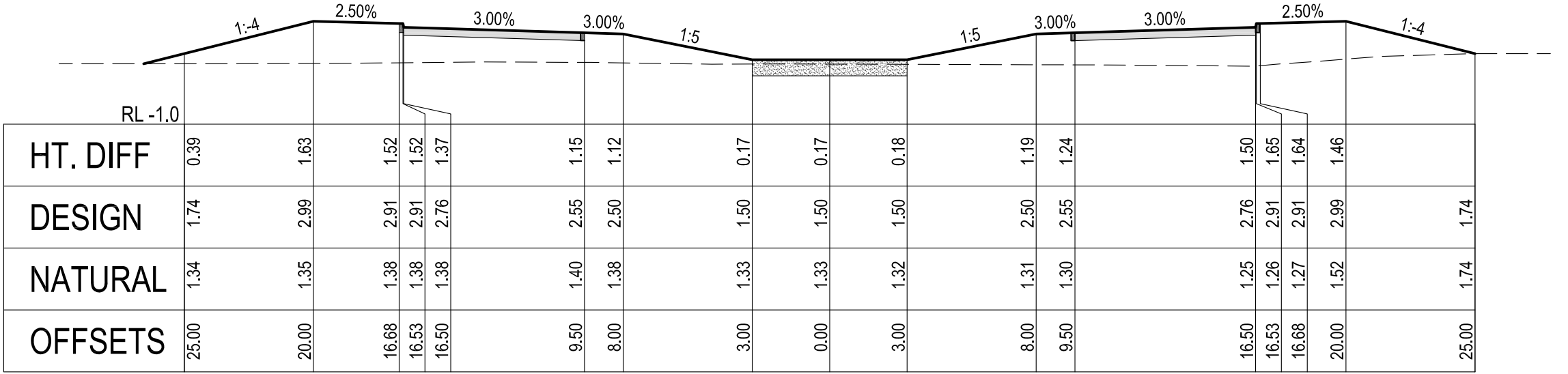
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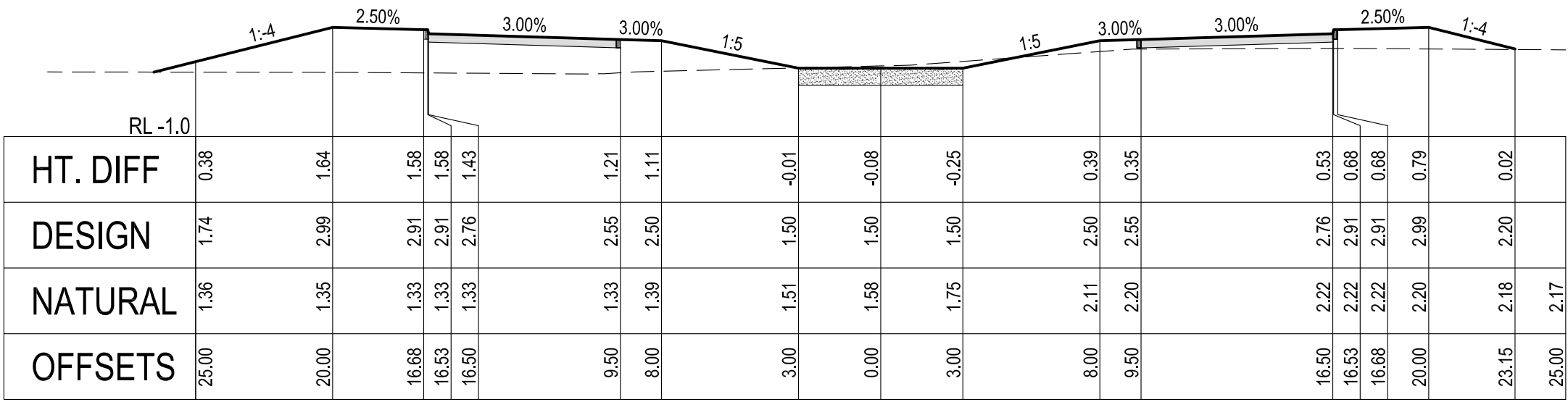
260.000



220.000



200.000



180.000

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BALLINA SHIRE COUNCIL
PROPOSED AIRPORT LINK ROAD
CONCEPT ENGINEERING PLANS FOR REF
NORTH CREEK ROAD, BALLINA

BOEING AVENUE
CROSS SECTIONS

Scale: As Shown at A1 CAD file: 15161-DA11B.dwg
Datum: AHD CivilCAD file: 15161-ENG.ccx



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11 of 12

Dwg. No.
15161-DA11

Issue

B

BOEING AVE. CROSS SECTIONS

Scale Horizontal 1:200 Vertical 1:200

