MULTI RESIDENTIAL DEVELOPMENT

202 BYRON ROAD, LEPPINGTON

CIVIL DA WORKS

NOTE:

THE FOLLOWING INSPECTIONS MUST BE COMPLETED BY ADG ENGINEERS BEFORE ENGINEERING CERTIFICATION WILL BE ISSUED.

a) STORMWATER BACKFILL PRIOR TO PAVEMENT
b) PAVEMENT SUBGRADE
c) PAVEMENT REINFORCING
d) PAVEMENT PRIOR TO SEALING
e) RETAINING WALL FOOTING REINFORCING
f) RETAINING WALL BLOCK WORK PRIOR TO CORE FILL
g) BIO-RETENTION TRENCH PRIOR TO PLACEMENT OF FILTER MEDIA & BACKFILL MATERIAL
h) ANY OTHER INSPECTION AS SPECIFIED BY LOCAL COUNCIL

GENERAL NOTES

G1. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH CAMDEN COUNCIL DEVELOPMENT GUIDELINES, ASSOCIATED STANDARD DRAWINGS & SPECIFICATIONS U.N.O.

G2. EXISTING SERVICES HAVE BEEN PLOTTED FROM SUPPLIED DATA AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT.

G3. ON COMPLETION OF SERVICES INSTALLATION, ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL LEVEL, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AREAS, GRASSED AREAS AND ROAD PAVEMENTS.

G4. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE TO COUNCIL'S INFRASTRUCTURE. SUCH REPAIR OR REINSTATEMENT TO BE CARRIED OUT IMMEDIATELY TO THE SATISFACTION OF LOCAL COUNCIL.

G5. CONTRACTOR TO UNDERTAKE ALL WORKS IN ACCORDANCE WITH ALL WORKPLACE HEALTH AND SAFETY REQUIREMENTS.

G6. WHERE ANY EXCAVATION OR CONSTRUCTION WORKS ARE TO BE IN CLOSE PROXIMITY TO NEIGHBOURING LOT BOUNDARIES OR INFRASTRUCTURE, CONTRACTOR TO ALLOW IN SCOPE OF WORKS TO PROVIDE ALL MEASURE NECESSARY TO ENSURE THE INTEGRITY OF EXISTING BOUNDARIES AND INFRASTRUCTURE. THIS MAY INCLUDE THE USE OF LOW VIBRATION EQUIPMENT, TRENCH SHORING ETC AS REQUIRED.

G7. PRIOR TO THE CONTRACTOR COMMENCING ANY WORKS DETAILED ON THESE DRAWINGS, THE CONTRACTOR IS TO NOTIFY ADG ENGINEERS (AUST) PTY LTD AND RECEIVE WRITTEN CONFIRMATION THAT WORKS CAN COMMENCE

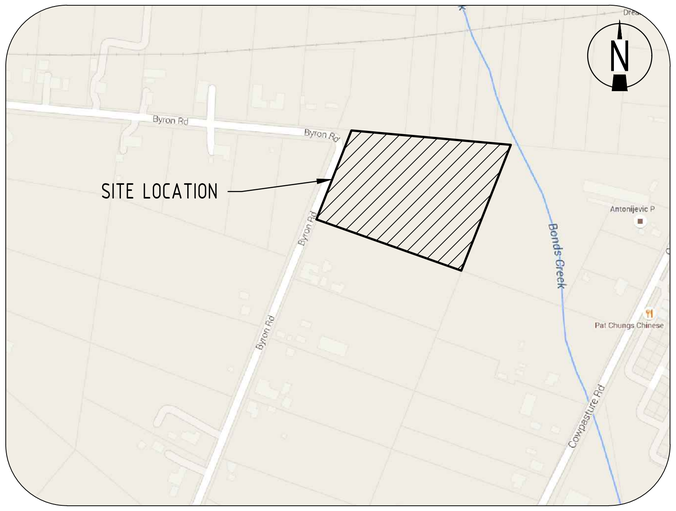
G8. CONTRACTOR TO PROVIDE AS CONSTRUCTED DRAWINGS FOR ALL CONSTRUCTED WORKS IN ACCORDANCE WITH LOCAL GOVERNMENT REQUIREMENTS. UNLESS OTHERWISE ADVISED BY ADG ENGINEERS.

G9. CONTRACTOR TO UNDERTAKE ALL WORKS IN ACCORDANCE WITH OPW APPROVALS BY COUNCIL.

G10. DRAWINGS TO BE READ IN CONJUNCTION WITH THE FOLLOWING CONSULTANTS DRAWINGS:
ARCHITECT - ROTHE LOWMAN
HYDRAULICS - ACOR CONSULTANTS
STRUCTURAL - ADG ENGINEERS
ELECTRICAL -
COMMUNICATIONS -
LANDSCAPING - GROUNDINK

LOCALITY PLAN

NOT TO SCALE



PROPERTY DESCRIPTION

LOT: 58A ON DP8979

DRAWING SCHEDULE

DRAWING No.	DRAWING TITLE
C101	DRAWING SCHEDULE, NOTES & LOCALITY PLAN
C102	EXISTING FEATURES LAYOUT PLAN
C120	BULK EARTHWORKS LAYOUT PLAN - INTERIM CASE
C121	BULK EARTHWORKS SITE SECTIONS - INTERIM CASE , SHEET 1 OF 2
C122	BULK EARTHWORKS SITE SECTIONS - INTERIM CASE , SHEET 2 OF 2
~~C130~~	~~ROADWORKS & DRAINAGE LAYOUT PLAN~~ (NO LONGER IN USE)
C130-1	ROADWORKS & DRAINAGE LAYOUT PLAN - OVERALL STAGING PLAN
C130-2	ROADWORKS & DRAINAGE LAYOUT PLAN - INTERIM CASE
C130-3	ROADWORKS & DRAINAGE LAYOUT PLAN - ULTIMATE CASE
C131	ROADWORKS TYPICAL CROSS SECTIONS - ULTIMATE CASE
C132	ROADWORKS LONGITUDINAL SECTION , ROAD 1 - BYRON ROAD - ULTIMATE CASE
C133	ROADWORKS LONGITUDINAL SECTION , ROAD 2 - TOWN CENTRE ROAD - ULTIMATE CASE
C134	ROADWORKS LONGITUDINAL SECTION, ROAD 3 - ULTIMATE CASE
C135	ROADWORKS LONGITUDINAL SECTION, ROAD 4 - ULTIMATE CASE
C136	ROADWORKS CROSS SECTIONS , ROAD 1 - FUTURE BYRON ROAD - ULTIMATE CASE
C137	ROADWORKS CROSS SECTIONS , ROAD 2 - TOWN CENTRE ROAD - ULTIMATE CASE
C138	ROADWORKS CROSS SECTIONS , ROAD 3 - ULTIMATE CASE
C139	ROADWORKS CROSS SECTIONS, ROAD 4 - INTERIM CASE
C140	STORMWATER PRE-DEVELOPMENT QUANTITY CATCHMENT PLAN
~~C141~~	~~STORMWATER POST-DEVELOPMENT QUANTITY CATCHMENT PLAN~~ (NO LONGER IN USE)
C141-1	STORMWATER INTERIM POST-DEVELOPMENT QUANTITY CATCHMENT PLAN - SHEET 1 OF 2
C141-2	STORMWATER INTERIM POST-DEVELOPMENT QUANTITY CATCHMENT PLAN - SHEET 2 OF 2
C141-3	STORMWATER ULTIMATE POST-DEVELOPMENT QUANTITY CATCHMENT PLAN - SHEET 1 OF 2
C141-4	STORMWATER ULTIMATE POST-DEVELOPMENT QUANTITY CATCHMENT PLAN - SHEET 2 OF 2
~~C142~~	~~STORMWATER QUALITY CATCHMENT PLAN~~
C143	STORMWATER LONGITUDINAL SECTIONS SHEET 1 OF 3
C144	STORMWATER LONGITUDINAL SECTIONS SHEET 2 OF 3
C145	STORMWATER LONGITUDINAL SECTIONS SHEET 3 OF 3
C148	ON SITE DETENTION BASIN DETAILS
C150	OVERALL SERVICES LAYOUT PLAN
~~C160~~	~~ROADWORKS & DRAINAGE LAYOUT PLAN - INTERIM SCENARIO~~ (NO LONGER IN USE)
C165	ROADWORKS LONGITUDINAL SECTION , ROAD 2 - TOWN CENTRE ROAD - INTERIM CASE
C166	ROADWORKS LONGITUDINAL SECTION, ROAD 4 - TOWN CENTRE ROAD - INTERIM CASE
C170	ROADWORKS CROSS SECTIONS , ROAD 1 - FUTURE BYRON ROAD - INTERIM CASE
C180	INTERSECTION LAYOUTS - TURNING PATHS - INTERIM CASE
C190	ROUNDABOUT DETAIL PLAN - INTERIM CASE

H

ISSUED FOR
APPROVAL

ADG CIVIL SERVICES

Rev	Date	Description	By	Chk
H	22.05.20	Issued for Approval	AGC	ST
G	14.05.20	Issued for Approval	AGC	ST
F	30.01.20	Issued for Approval	SF	JH
E	25.10.19	Issued for Approval	JH	SF
D	14.12.18	Issued for Approval	LS	CDM
C	01.05.18	Issued for Approval	JH	JG
B	20.10.17	Issued for Approval	LC	CDM

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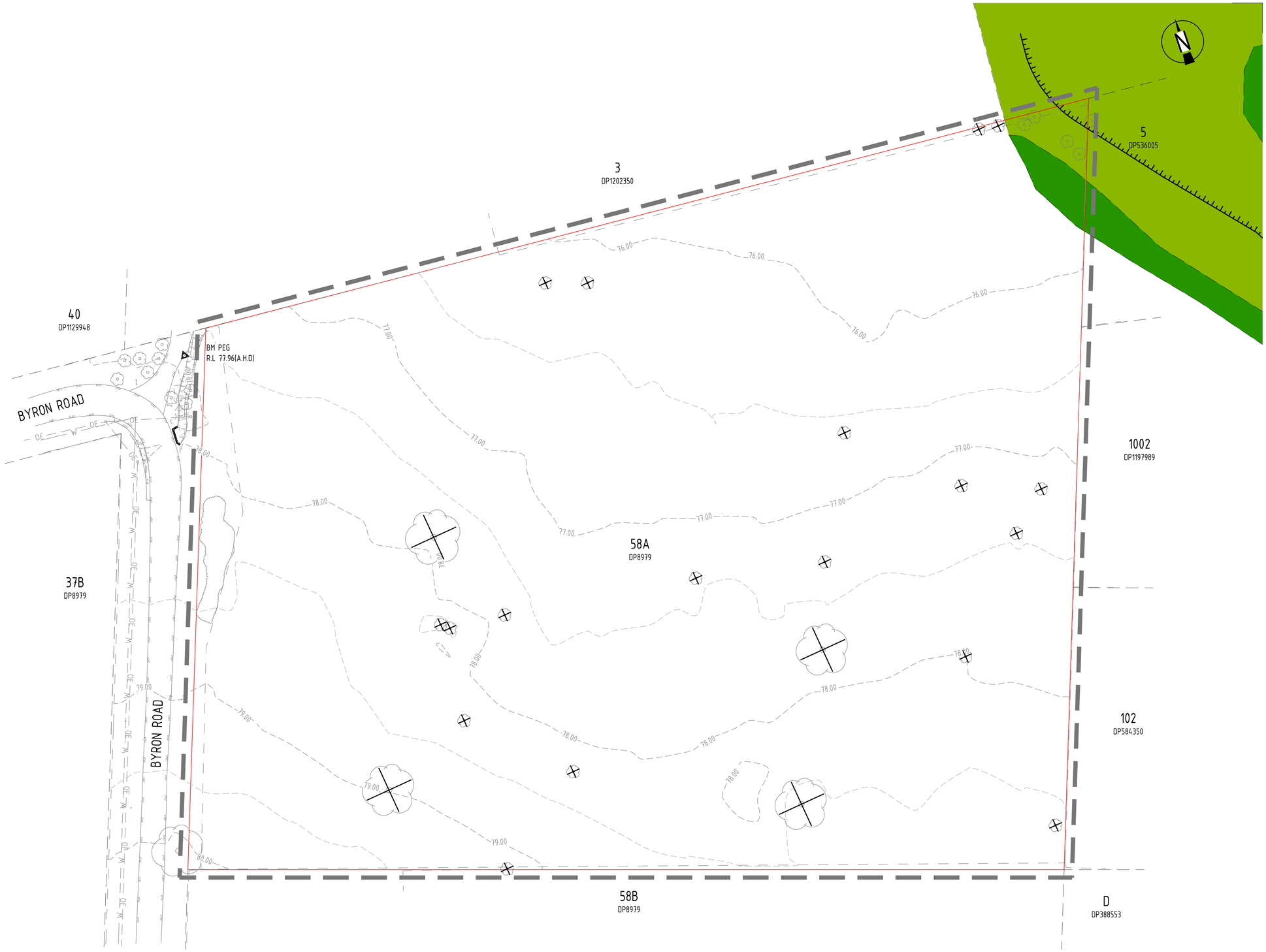
Client: NLI BYRON DEVELOPMENT PTY LTD	Discipline: CIVIL		Status: APPROVAL
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON	Designed By: CM	Checked By: JN	Approved By: JH
	Project No.: 18540	Drawn By: LC	Scale at A1: N.T.S.

Title: DRAWING SCHEDULE, NOTES & LOCALITY PLAN

Drawing No.: C101 Revision: H

LEGEND

- EXISTING SURFACE CONTOURS
- LIMIT OF WORKS
- SITE BOUNDARY
- EXISTING PROPERTY BOUNDARY
- EXISTING EDGE OF ROAD
- EXISTING WATER
- EXISTING OVERHEAD ELECTRICITY
- EXISTING FENCE
- EXISTING VEGETATION
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING NATIVE VEGETATION AREA
- NATIVE VEGETATION RETENTION AREA



NOTE:

1. THE CONTRACTOR WILL MAKE HIMSELF FULLY AWARE OF THE EXISTING FEATURES OF THIS SITE AND ENSURE ANY ADDITIONAL WORKS NOT SHOWN ON THIS PLAN ARE INCLUDED IN THE CONTRACT.
2. CONTRACTOR TO LOCATE & PROTECT ALL EXISTING SERVICES ON SITE PRIOR TO COMMENCEMENT OF WORKS.
3. CONTRACTOR TO ORGANISE ALL DEMOLITION PERMITS PRIOR TO ANY DEMOLITION WORKS COMMENCING ON SITE.
4. SERVICES ON NEIGHBOURS DEVELOPMENTS SHOWN AS EXISTING AS ASSUMED WILL BE CONSTRUCTED PRIOR TO COMMENCEMENT OF WORKS.
5. ALL VEGETATION WITHIN THE LIMIT OF WORKS TO BE CLEARED, MULCHED & REMOVED FROM SITE.
6. CONTRACTOR TO LOCATE ALL EXISTING UTILITIES ON SITE & MAKE SUITABLE ARRANGEMENTS TO HAVE DISCONNECTED.
7. PRIOR TO THE CONTRACTOR COMMENCING ANY WORKS DETAILED ON THIS DRAWING, THE CONTRACTOR IS TO NOTIFY ADG ENGINEERS (AUST) PTY LTD AND RECEIVE WRITTEN CONFIRMATION THAT WORKS CAN COMMENCE

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
G	14.05.20	Issued for Approval	AGC	ST
F	30.01.20	Issued for Approval	SF	JH
E	25.10.19	Issued for Approval	JH	SF
D	14.12.18	Issued for Approval	LS	CDM
C	01.06.18	Issued for Approval	JH	JG
B	20.10.17	Issued for Approval	LC	CDM
A	22.07.16	Issued for Approval	LC	CM

0 10 20 30m
SCALE 1:500
AT ORIGINAL SIZE (A1)

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Client: NLI BYRON DEVELOPMENT PTY LTD
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON

Discipline		Status
CIVIL		APPROVAL
Designed By: CM	Checked By: JN	Approved By: JH
Project No.: 18540	Drawn By: LC	Scale at A1: 1:500

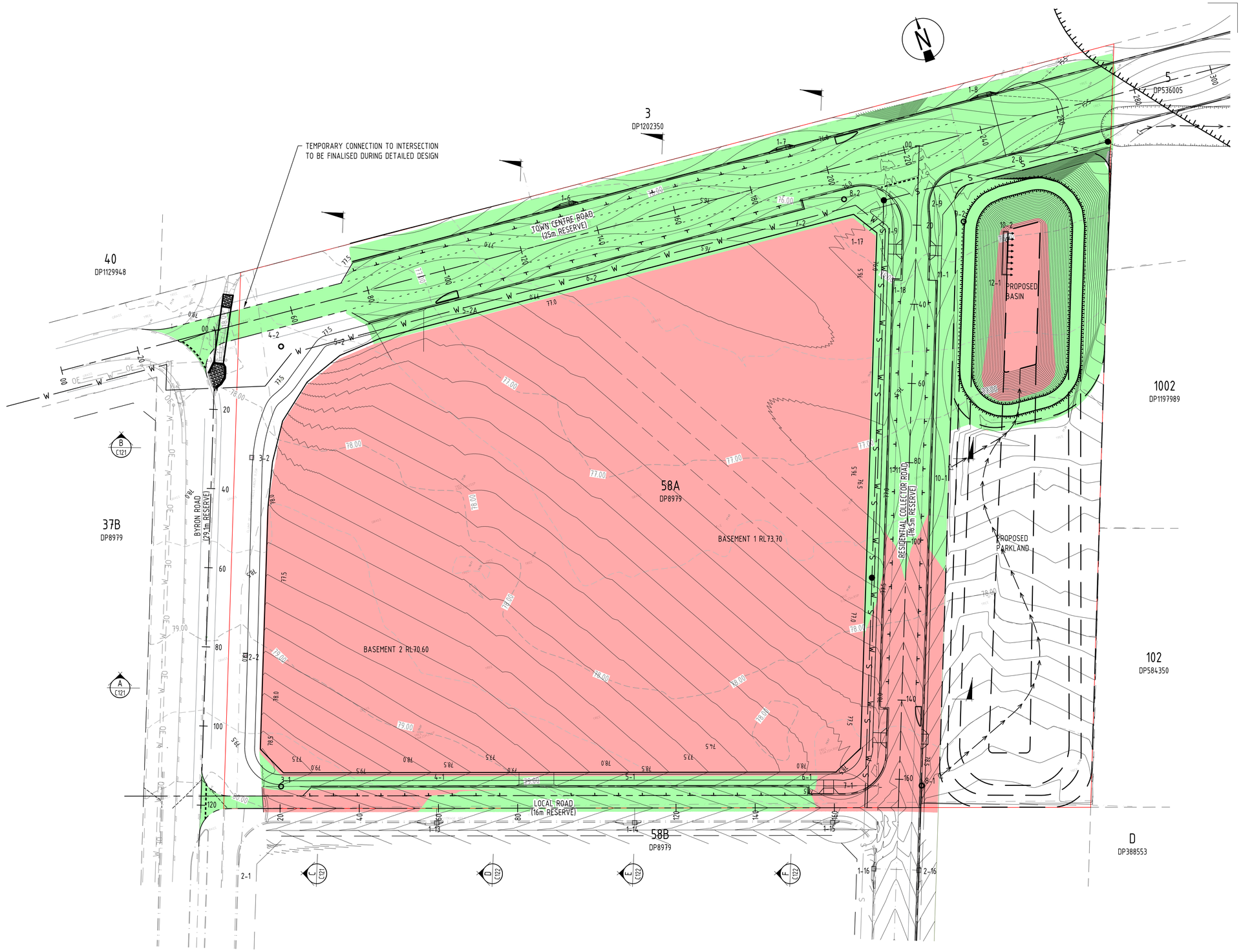
Title: EXISTING FEATURES LAYOUT PLAN
Drawing No.: C102
Revision: G

LEGEND

- 12.0 — EXISTING SURFACE CONTOURS
- 12.0 — BULK EARTHWORKS CONTOURS
- 3.42 / 6.289m — EXISTING SURFACE LEVEL
- 3.42 / 7.000m — FINISHED SURFACE LEVEL
- EXISTING EDGE OF ROAD
- PROPOSED KERB & CHANNEL
- GRADE CHANGE
- W — EXISTING WATER
- OE — EXISTING OVERHEAD ELECTRICITY
- PROPOSED BATTER
- LIMIT OF WORKS
- BUILDING OUTLINE
- EARTHWORKS CUT
- EARTHWORKS FILL

EARTHWORKS NOTES

1. GRASS AND TOPSOIL SHALL BE STRIPPED TO A DEPTH OF 100mm OVER THE EXTENT OF THE WORKS UNLESS DIRECTED OTHERWISE AND STOCKPILED FOR FUTURE USE AS NON-STRUCTURAL FILL IF REQUIRED, OR REMOVE FROM SITE.
2. COMPACT THE EXPOSED SUBGRADE OR LOOSE TOP LEVEL MATERIAL TO A MINIMUM 95% STANDARD MAXIMUM DRY DENSITY TO AS1289 5.1.1. ANY 'SOFT SPOTS' IDENTIFIED BY THE PROOF ROLLING SHALL BE REMOVED AND REPLACED WITH A COMPACTED IMPORTED GENERAL FILL MATERIAL TO THE ABOVE COMPACTION REQUIREMENTS.
3. ALL EXPOSED SUBGRADE AREAS SHALL BE COMPACTED TO 95% STANDARD MAXIMUM DRY DENSITY (AS 1289 5.1.1) IN LAYERS NOT EXCEEDING 150mm COMPACTED THICKNESS.
4. THE NOMINATED GEOTECHNICAL TESTING AUTHORITY SHALL PROVIDE CERTIFICATION THAT ALL GENERAL EARTHWORKS OPERATIONS HAVE BEEN CARRIED OUT IN ACCORDANCE WITH THE DRAWINGS.
5. FINISHED SURFACES TO ALL DISTURBED AREAS ARE TO BE TREATED IN ACCORDANCE WITH LANDSCAPE DRAWINGS.
6. ALL EARTHWORKS TO BE CARRIED OUT AT +/- 2% OPTIMUM MOISTURE CONTENT.
7. EARTHWORKS LEVELS SHOWN ARE FINISHED SURFACE LEVELS INCLUSIVE OF 100mm TOPSOIL LAYER OR BUILDING SLAB THICKNESS. REFER TO STRUCTURAL ENGINEERING DRAWINGS FOR SLAB THICKNESSES AND HYDRAULIC DRAWINGS FOR SUB-FLOOR DRAINAGE FOR DETERMINATION OF REQUIRED BULK EARTHWORKS SURFACE. REFER TO ARCHITECTURAL DRGS FOR PODIUM LEVELS.
8. ANY PROPOSED RETAINING WALL WORKS MUST BE WHOLLY WITHIN THE PROPERTY BOUNDARY OF THE SUBJECT SITE, INCLUDING REAR OF RETAINING WALL DRAINAGE INFRASTRUCTURE FOR RETAINING WALLS IN CUT.
5. ALL NEW WORKS TO MATCH NEATLY INTO EXISTING
6. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH APPROVED MANAGEMENT PLANS.
7. CONTRACTOR TO ENSURE SUITABLE EROSION CONTROL MEASURES ARE INSTALLED INCLUDING BUT NOT LIMITED TO SHAKE DOWNS, SILT FENCE ETC.
8. PRIOR TO THE CONTRACTOR COMMENCING ANY WORKS DETAILED ON THIS DRAWING, THE CONTRACTOR IS TO NOTIFY ADG ENGINEERS (AUST) PTY LTD AND RECEIVE WRITTEN CONFIRMATION THAT WORKS CAN COMMENCE
9. CONTRACTOR TO OBTAIN COUNCIL ROADWORKS AND FOOTPATH PERMITS FOR ANY PROPOSED WORKS EXTERNAL TO SITE BOUNDARY.
10. ALL TEMPORARY AND FINAL BATTER SLOPES ARE TO BE INSPECTED AND APPROVED BY GEOTECHNICAL ENGINEER.
11. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING SETOUT.
12. MINIMUM ALLOWABLE BEARING CAPACITY TO BE 100kPa.



NOTE
FOR SITE SECTIONS REFER TO DRG No. C121 TO C122

INTERIM CASE

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
G	14.05.20	Issued for Approval	AGC	ST
F	25.10.19	Issued for Approval	JH	SF
E	14.12.18	Issued for Approval	LS	CDM
D	02.11.17	Issued for Approval	LC	CDM
C	27.10.17	Issued for Approval	LC	CDM
B	20.10.17	Issued for Approval	LC	CDM
A	22.07.16	Issued for Approval	LC	CM

0 10 20 30m
SCALE 1:500
AT ORIGINAL SIZE (A1)

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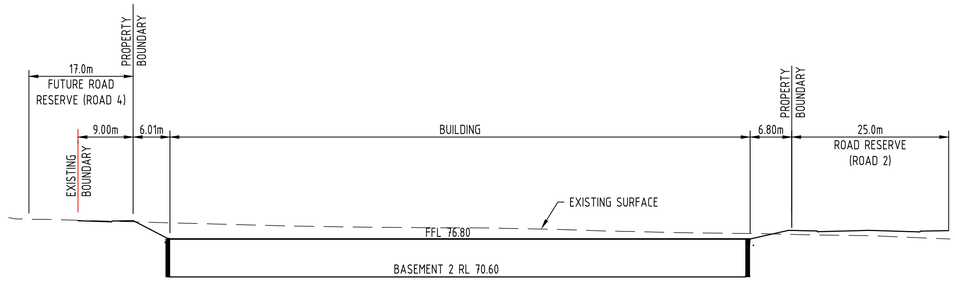
Client: NLI BYRON DEVELOPMENT PTY LTD	Discipline: CIVIL	Status: APPROVAL
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON	Designed By: CM / Checked By: JN	Approved By: JH
	Project No.: 18540 / Drawn By: LC	Scale at A1: 1:500

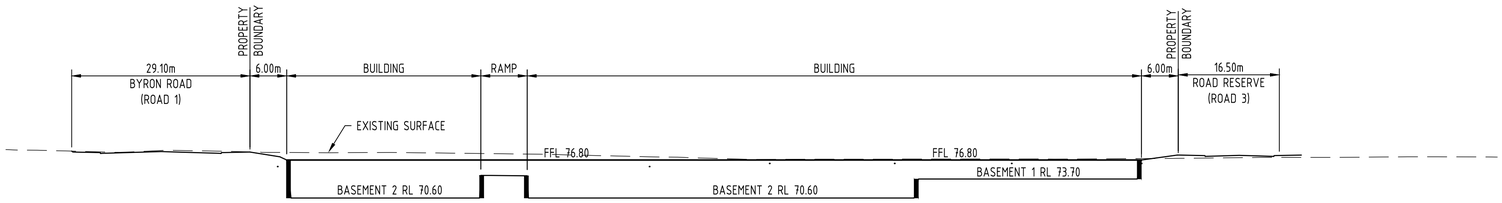
Title: BULK EARTHWORKS - INTERIM CASE LAYOUT PLAN

Drawing No.: C120 Revision: G



DATUM RL 60.00

SECTION C



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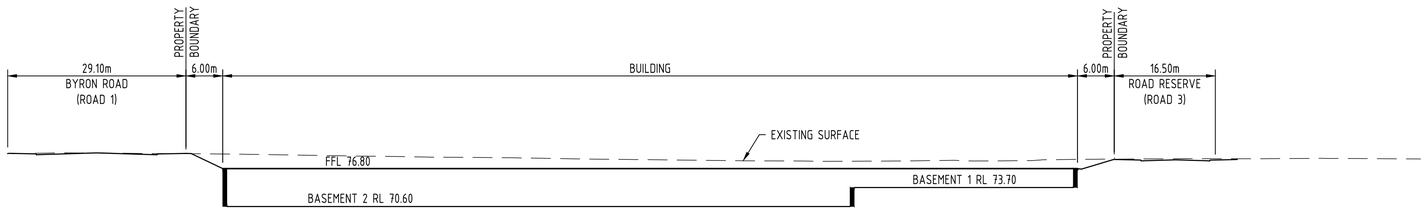
SECTION B



DATUM RL 60.00

SECTION A

INTERIM CASE

NOTE

1. REFER ARCHITECTURAL PLANS FOR BUILDING DETAILS

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
F	14.05.20	Issued for Approval	AGC	ST
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01	29.04.16	Issued for Information	CM	NB

0 10 20 30m
SCALE 1:500

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Client: NLI BYRON DEVELOPMENT PTY LTD

Project Name: MULTI RESIDENTIAL DEVELOPMENT
202 BYRON ROAD,
LEPPINGTON

Discipline: CIVIL

Status: APPROVAL

Designed By: CM | Checked By: JN | Approved By: JH

Project No.: 18540 | Drawn By: LC | Scale at A1: 1:500

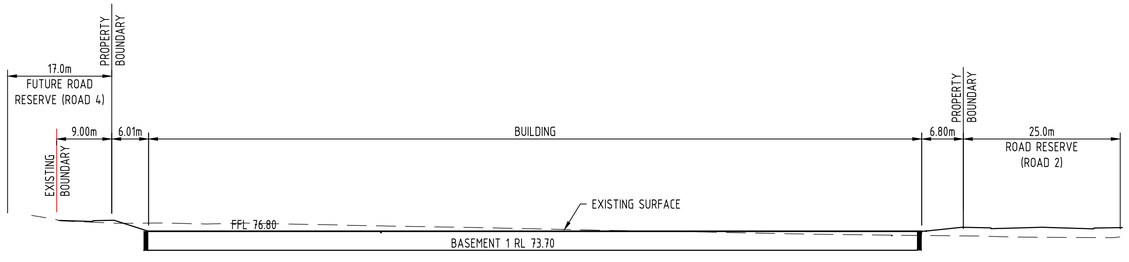
Do not scale drawings. If in doubt, ask!

Title: BULK EARTHWORKS - INTERIM CASE
SITE SECTIONS
SHEET 1 OF 2

Drawing No.: C121 | Revision: F

PLOT DATE: 5/14/2020 3:16 PM FILENAME: \\192.168.8.4\JOBS\18000\18540\CVL\DWG\BYRON RD\18540-C121.DWG

FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm



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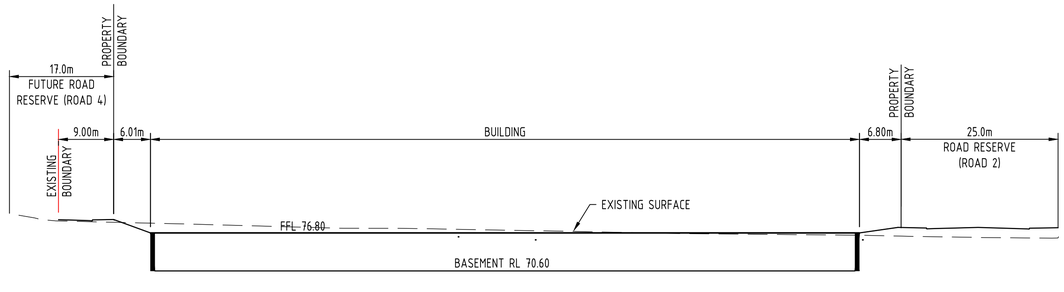
SECTION F



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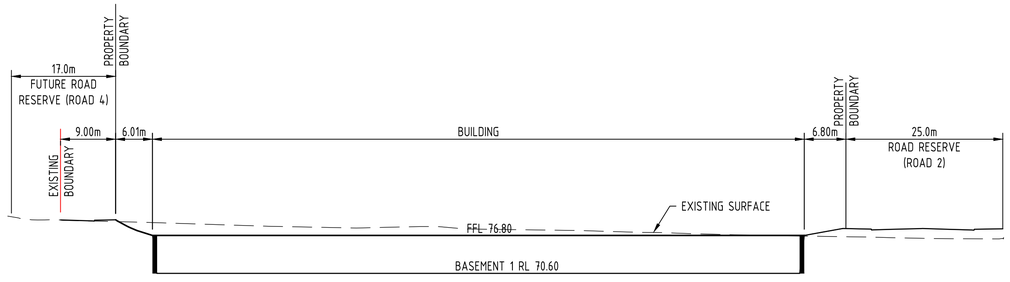
SECTION E



DATUM RL 60.00

SECTION D

INTERIM CASE

NOTE

1. REFER ARCHITECTURAL PLANS FOR BUILDING DETAILS

ISSUED FOR

APPROVAL

Rev	Date	Description	By	Chk
F	14.05.20	Issued for Approval	AGC	ST
E	25.10.19	Issued for Approval	JH	SF
D	14.12.18	Issued for Approval	LS	CDM
C	27.10.17	Issued for Approval	LC	CDM
B	20.10.17	Issued for Approval	LC	CDM
A	22.07.16	Issued for Approval	LC	CM
01	29.04.16	Issued for Information	CM	NB

0 10 20 30m

SCALE 1:500

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Client: NLI BYRON DEVELOPMENT PTY LTD

Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON

Discipline: CIVIL

Status: APPROVAL

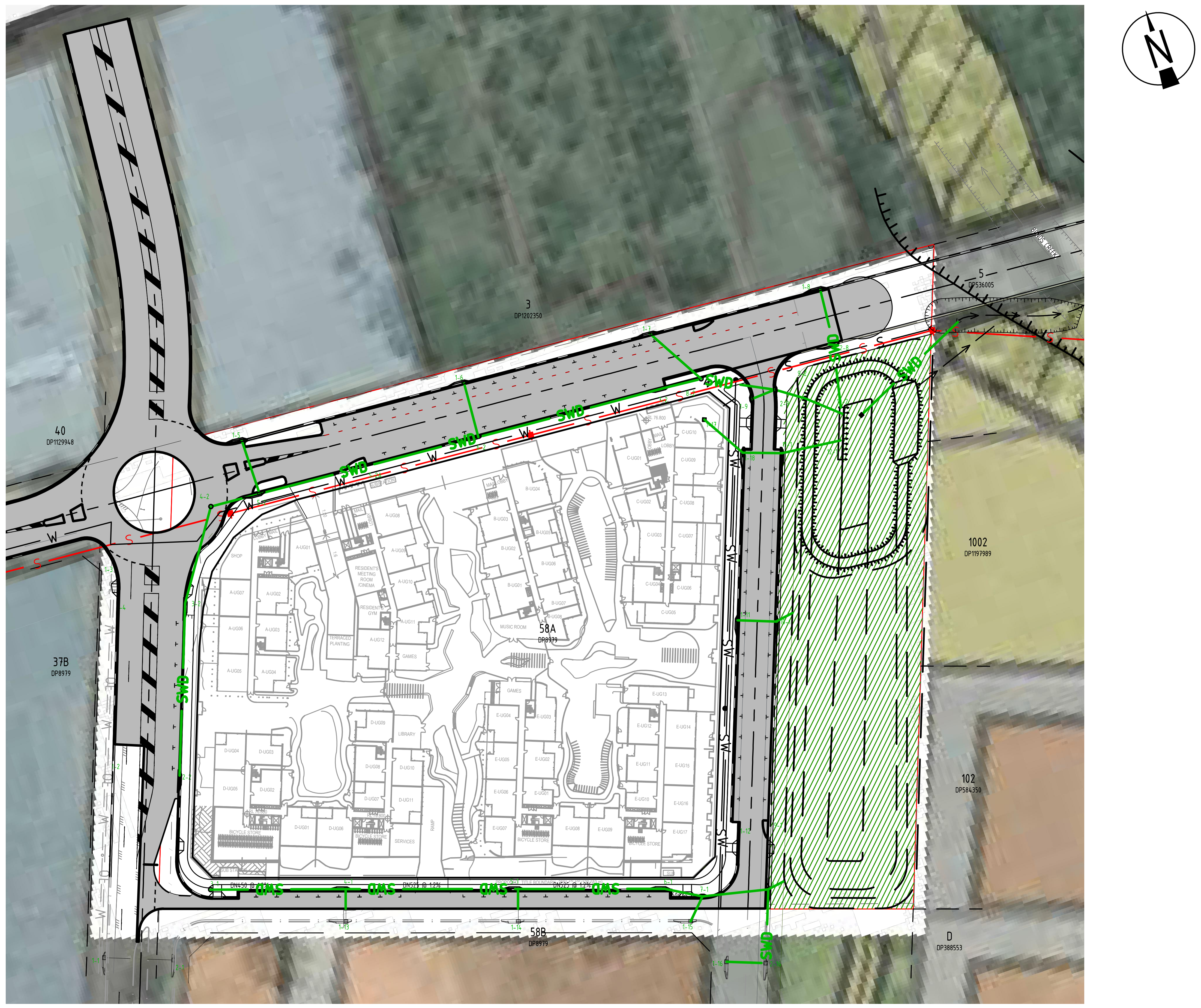
Designed By: CM | Checked By: JN | Approved By: JH

Project No.: 18540 | Drawn By: LC | Scale at A1: 1:500

Title: BULK EARTHWORKS - INTERIM CASE
SITE SECTIONS
SHEET 2 OF 2

Drawing No.: C122

Revision: F



ULTIMATE CASE (FUTURE)
LAYOUT PLAN
SCALE 1:1000

INTERIM CASE
LAYOUT PLAN
SCALE 1:1000

NOTE
1. THE ULTIMATE CASE IS AND INDICATIVE DESIGN FOR FUTURE INFRASTRUCTURE AND ENSURES THE PROPOSED WORKS IN THE INTERIM CASE CAN ALLOW FOR FUTURE UPGRADE.

NOTE
1. THE INTERIM CASE IS THE PROPOSED WORKS AS PAST OF THIS DEVELOPMENT APPLICATION.

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
A	14.05.20	Issued for Approval	AGC	ST

0 10 20 30 40 50m
SCALE 1:1000
AT ORIGINAL SIZE (A1)

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Client NLI BYRON DEVELOPMENT PTY LTD	Discipline CIVIL		Status APPROVAL
Project Name MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON	Designed By CM	Checked By JN	Approved By JH
	Project No. 18540	Drawn By LC	Scale at A1 1:1000

Do not scale drawings. If in doubt, ask!

Title
ROADWORKS & DRAINAGE
OVERALL STAGING LAYOUT PLAN

Drawing No.
C130-1

Revision
A

FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm

PLOT DATE: 5/14/2020 5:23 PM FILENAME: \\192.168.8.4\JOBS\18000\18540\CVL\DWG\BYRON RD\18540-C130-1.DWG

ROADWORKS & DRAINAGE NOTES

1. ALL ROADWORKS & DRAINAGE CONSTRUCTION AND TESTING TO BE IN ACCORDANCE WITH CAMDEN COUNCIL DEVELOPMENT GUIDELINES, DRAWINGS AND SPECIFICATIONS.
2. ALL STORMWATER DRAINAGE PIPES SHALL BE:
   a)150, 225 & 300 DIA UPVC SN8 RUBBER RING JOINTED
   b)375 DIA AND GREATER CLASS 2 OR 3 R.C. RUBBER RING JOINTED
3. TRENCH BACKFILL UNDER PAVEMENT TO BE COMPACTED TO 100% STANDARD DRY DENSITY (AS1289 5.1.1) IN LAYERS NOT EXCEEDING 150mm OF CBR 15 MATERIAL OR APPROVED EQUIVALENT.
4. ALL FOOTPATHS TO BE CONSTRUCTED IN ACCORDANCE WITH CAMDEN COUNCIL STANDARDS.

LEGEND

12.0	FINISHED SURFACE CONTOURS
	SITE BOUNDARY
	PROPOSED NOMINAL KERB LINE
SWD	PROPOSED STORMWATER DRAINAGE
	PROPOSED GRATED GULLY PIT IN ACCORDANCE WITH CAMDEN COUNCIL STANDARD DRAWING SD12
	PROPOSED STORMWATER JUNCTION PIT IN ACCORDANCE WITH CAMDEN COUNCIL STANDARD DRAWING SD14
RWD	PROPOSED ROOFWATER DRAINAGE
	PROPOSED ROAD PAVEMENT IN ACCORDANCE WITH CAMDEN COUNCIL GUIDELINES
	PROPOSED FOOTPATH IN ACCORDANCE WITH CAMDEN COUNCIL GUIDELINES
	MASTER PLANNED TRUNK DRAINAGE CORRIDOR
14-1	DRAINAGE STRUCTURE LABEL
	EXISTING NATIVE VEGETATION AREA
	NATIVE VEGETATION RETENTION AREA

CULVERT SIZING CALCULATION

CRITICAL RUNOFF CALCULATION FOR 5% AEP STORM EVENT

CONTRIBUTING CATCHMENT SIZE	= 28Ha (280,000m^2)
CONTRIBUTING CATCHMENT LENGTH	= 450m
APPROX. OVERLAND FLOW PATH SLOPE	= 1%
ASSUME MANNINGS ROUGHNESS, 'n'	= 0.25

KINEMATIC WAVE CALCULATION

TIME OF CONCENTRATION, Tc	≈ 2hrs

CRITICAL RAINFALL INTENSITY, I (2hrs) = 33.4mm/hr

RATIONAL METHOD CALCULATION

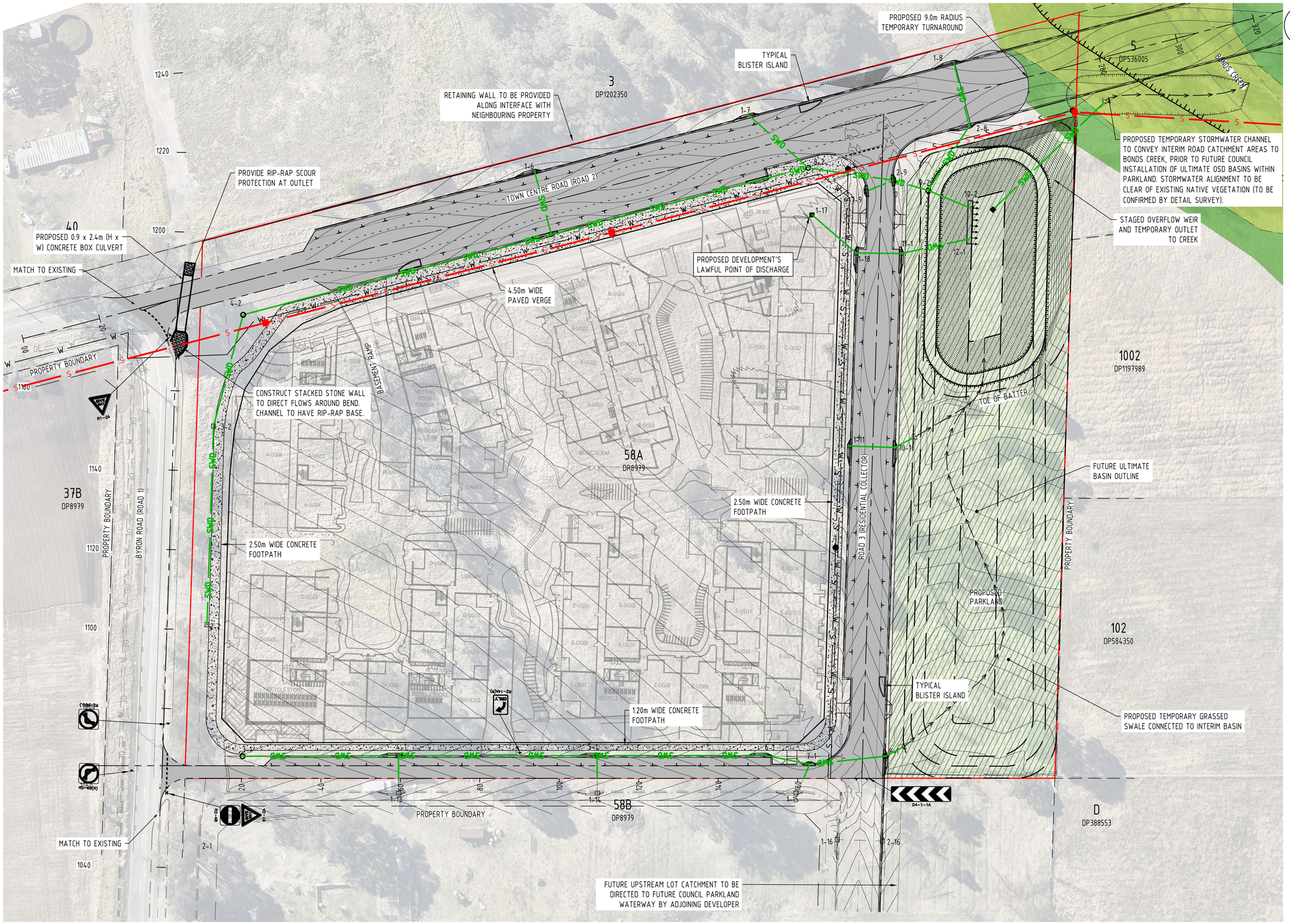
ASSUME RUNOFF COEFFICIENT, C	= 0.6
FLOW, Q	= 1.55m^3/S

MANNINGS OPEN CHANNEL FLOW CALCULATION

ASSUME MANNINGS ROUGHNESS, 'n'	= 0.012
FLOW AREA, A	≈ 0.48m^2

MINIMUM REQUIRED CULVERT IS 0.45 x 1.2m (H x W)

ASSUMING A 50% BLOCKAGE, REQUIRED CULVERT IS 0.90 x 1.2m



INTERIM CASE LAYOUT PLAN

SCALE 1:500

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
A	14.05.20	Issued for Approval	AGC	ST

0 10 20 30m
SCALE 1:500
AT ORIGINAL SIZE (A1)

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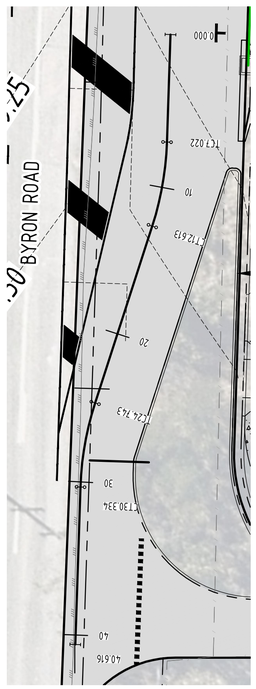
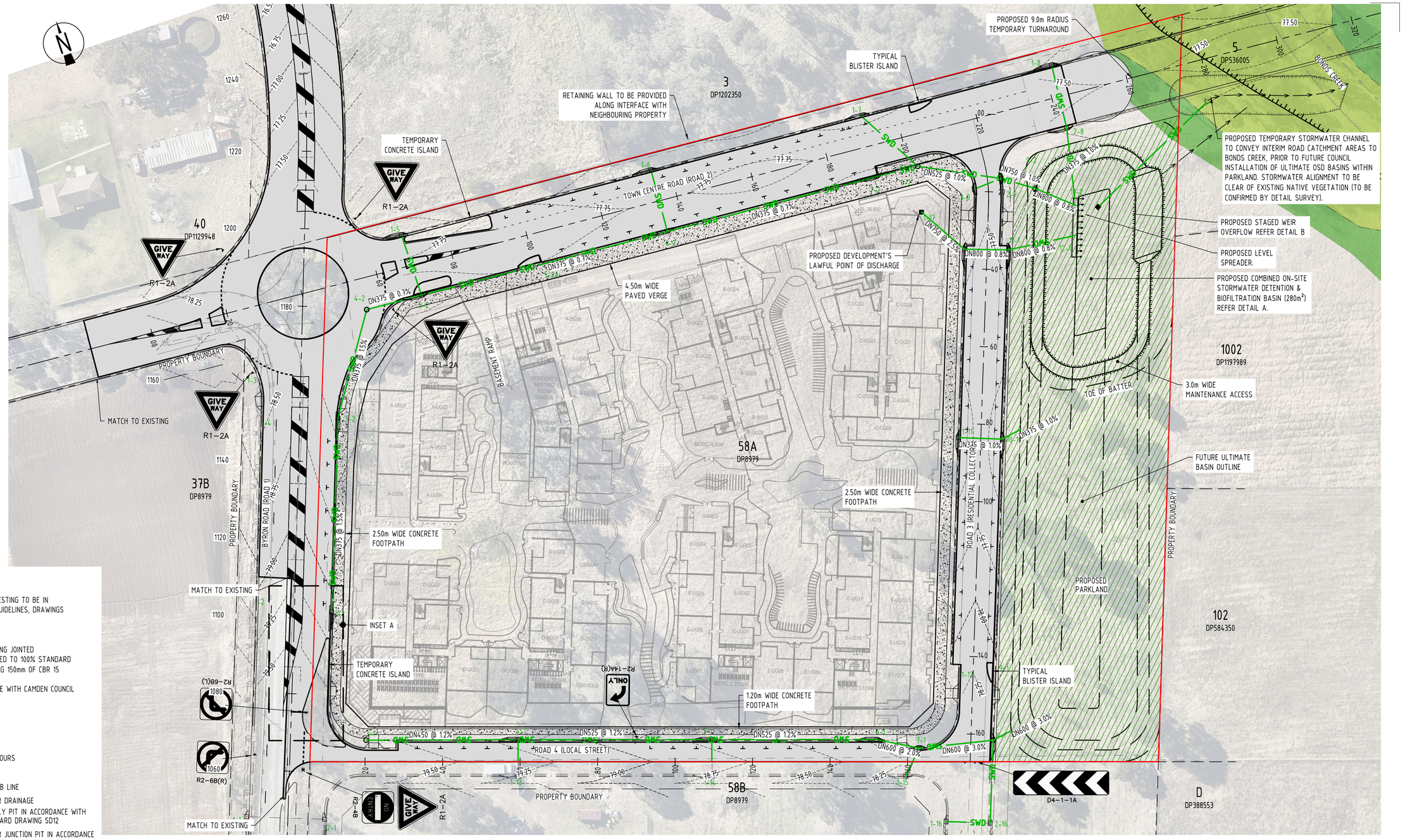
Client: NLI BYRON DEVELOPMENT PTY LTD	Discipline: CIVIL		Status: APPROVAL
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON	Designed By: CM	Checked By: JN	Approved By: JH
	Project No.: 18540	Drawn By: LC	Scale at A1: AS SHOWN

Title: ROADWORKS & DRAINAGE INTERIM CASE LAYOUT PLAN

Drawing No.: C130-2 | Revision: A



SCALE 1:200



ULTIMATE CASE LAYOUT

SCALE 1:500

ROADWORKS & DRAINAGE NOTES

1. ALL ROADWORKS & DRAINAGE CONSTRUCTION AND TESTING TO BE IN ACCORDANCE WITH CAMDEN COUNCIL DEVELOPMENT GUIDELINES, DRAWINGS AND SPECIFICATIONS.
2. ALL STORMWATER DRAINAGE PIPES SHALL BE:
   a) 150, 225 & 300 DIA UPVC SN8 RUBBER RING JOINTED
   b) 375 DIA AND GREATER CLASS 2 OR 3 R.C. RUBBER RING JOINTED
3. TRENCH BACKFILL UNDER PAVEMENT TO BE COMPACTED TO 100% STANDARD DRY DENSITY (AS1289 5.1.1) IN LAYERS NOT EXCEEDING 150mm OF CBR 15 MATERIAL OR APPROVED EQUIVALENT.
4. ALL FOOTPATHS TO BE CONSTRUCTED IN ACCORDANCE WITH CAMDEN COUNCIL STANDARDS.

LEGEND

- 12.0 — FINISHED SURFACE CONTOURS
- SITE BOUNDARY
- PROPOSED NOMINAL KERB LINE
- SWD — PROPOSED STORMWATER DRAINAGE
- PROPOSED GRATED GULLY PIT IN ACCORDANCE WITH CAMDEN COUNCIL STANDARD DRAWING SD12
- PROPOSED STORMWATER JUNCTION PIT IN ACCORDANCE WITH CAMDEN COUNCIL STANDARD DRAWING SD14
- RWD — PROPOSED ROOFWATER DRAINAGE
- PROPOSED ROAD PAVEMENT IN ACCORDANCE WITH CAMDEN COUNCIL GUIDELINES
- PROPOSED FOOTPATH IN ACCORDANCE WITH CAMDEN COUNCIL GUIDELINES
- MASTER PLANNED TRUNK DRAINAGE CORRIDOR
- 14-1 — DRAINAGE STRUCTURE LABEL
- EXISTING NATIVE VEGETATION AREA
- NATIVE VEGETATION RETENTION AREA

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
A	14.05.20	Issued for Approval	AGC	ST

0 10 20 30m
SCALE 1:500
AT ORIGINAL SIZE (A1)
0 2 4 6 8 10m
SCALE 1:200
AT ORIGINAL SIZE (A1)

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Client: NLI BYRON DEVELOPMENT PTY LTD	Discipline: CIVIL		Status: APPROVAL
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON	Designed By: CM	Checked By: JN	Approved By: JH
	Project No.: 18540	Drawn By: LC	Scale at A1: AS SHOWN

Title: ROADWORKS & DRAINAGE ULTIMATE CASE LAYOUT PLAN

Drawing No.: C130-3 Revision: A

Rev	Date	Description	By	Chk
M	14.05.20	NO LONGER IN USE	AGC	ST
L	30.01.20	Issued for Approval	SF	JH
K	25.10.19	Issued for Approval	JH	SF
J	24.07.19	Issued for Approval	LS	TM
I	14.06.19	Issued for Approval	LS	TM
H	25.01.19	Issued for Approval	AP	CDM
G	24.01.19	Issued for Approval	AP	TM

0 10 20 30m
SCALE 1:500
AT ORIGINAL SIZE (A1)

0 2 4 6 8 10m
SCALE 1:200
AT ORIGINAL SIZE (A1)

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Client: NLI BYRON DEVELOPMENT PTY LTD

Project Name: MULTI RESIDENTIAL DEVELOPMENT
202 BYRON ROAD,
LEPPINGTON

Discipline: CIVIL

Status: NO LONGER IN USE

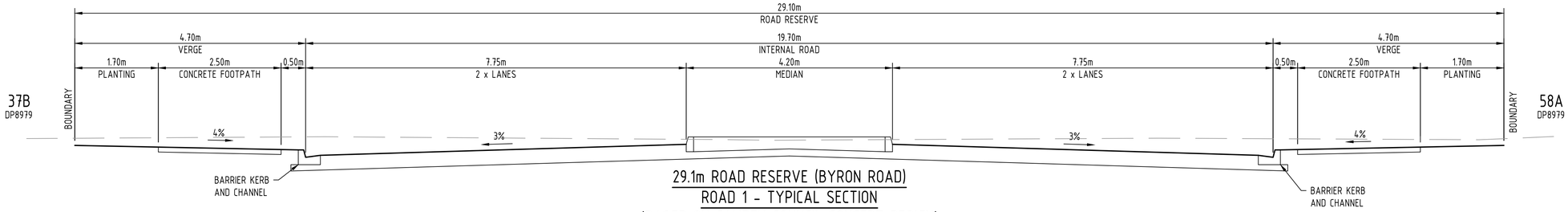
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: AS SHOWN

Title: ROADWORKS & DRAINAGE
ULTIMATE CASE
LAYOUT PLAN

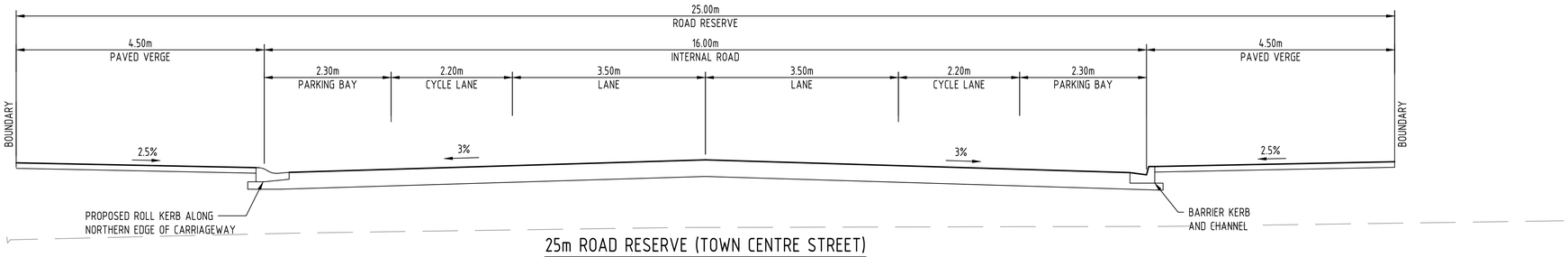
Drawing No.: C130
Revision: M

PLOT DATE: 5/14/2020 3:16 PM FILENAME: \\192.168.8.4\JOBS\18000\18540\CVL\DWG\BYRON RD\18540-C130.DWG

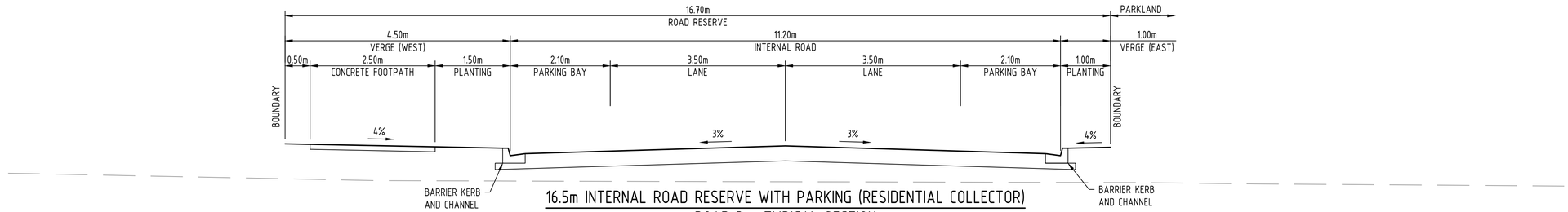
FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm



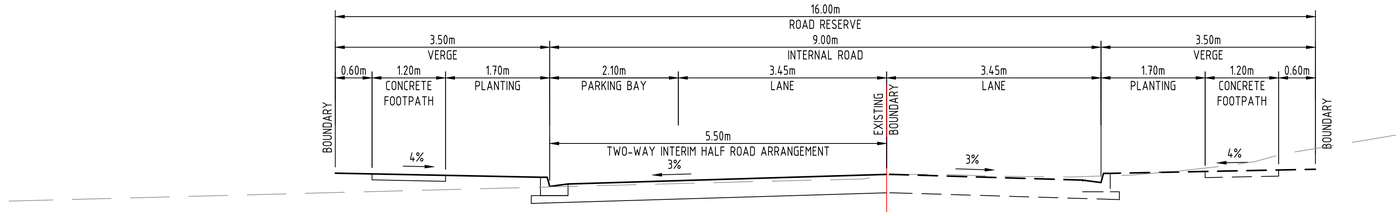
29.1m ROAD RESERVE (BYRON ROAD)
ROAD 1 - TYPICAL SECTION
(BASED ON CAMDEN COUNCIL CONCEPT DESIGN)
SCALE 1:50



25m ROAD RESERVE (TOWN CENTRE STREET)
ROAD 2 - TYPICAL SECTION
SCALE 1:50



16.5m INTERNAL ROAD RESERVE WITH PARKING (RESIDENTIAL COLLECTOR)
ROAD 3 - TYPICAL SECTION
SCALE 1:50



16m INTERNAL ROAD RESERVE WITH PARKING (LOCAL STREET)
ROAD 4 - ULTIMATE TYPICAL SECTION
(IN ACCORDANCE WITH CAMDEN GROWTH CENTRE PRECINCTS DCP FIGURE 3-14)
SCALE 1:50

NOTE
PUBLIC UTILITIES AND SERVICES HAVE BEEN LOCATED WITHIN THE ROAD RESERVE CORRIDOR IN ACCORDANCE WITH CAMDEN COUNCIL'S STANDARDS

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
J	14.05.20	Issued for Approval	AGC	ST
I	30.01.20	Issued for Approval	SF	JH
H	25.10.19	Issued for Approval	JH	SF
G	14.06.19	Issued for Approval	LS	TM
F	25.01.19	Issued for Approval	AP	CDM
E	14.12.18	Issued for Approval	LS	CDM
D	01.06.18	Issued for Approval	JRH	CDM

0 1 2 3m
SCALE 1:50

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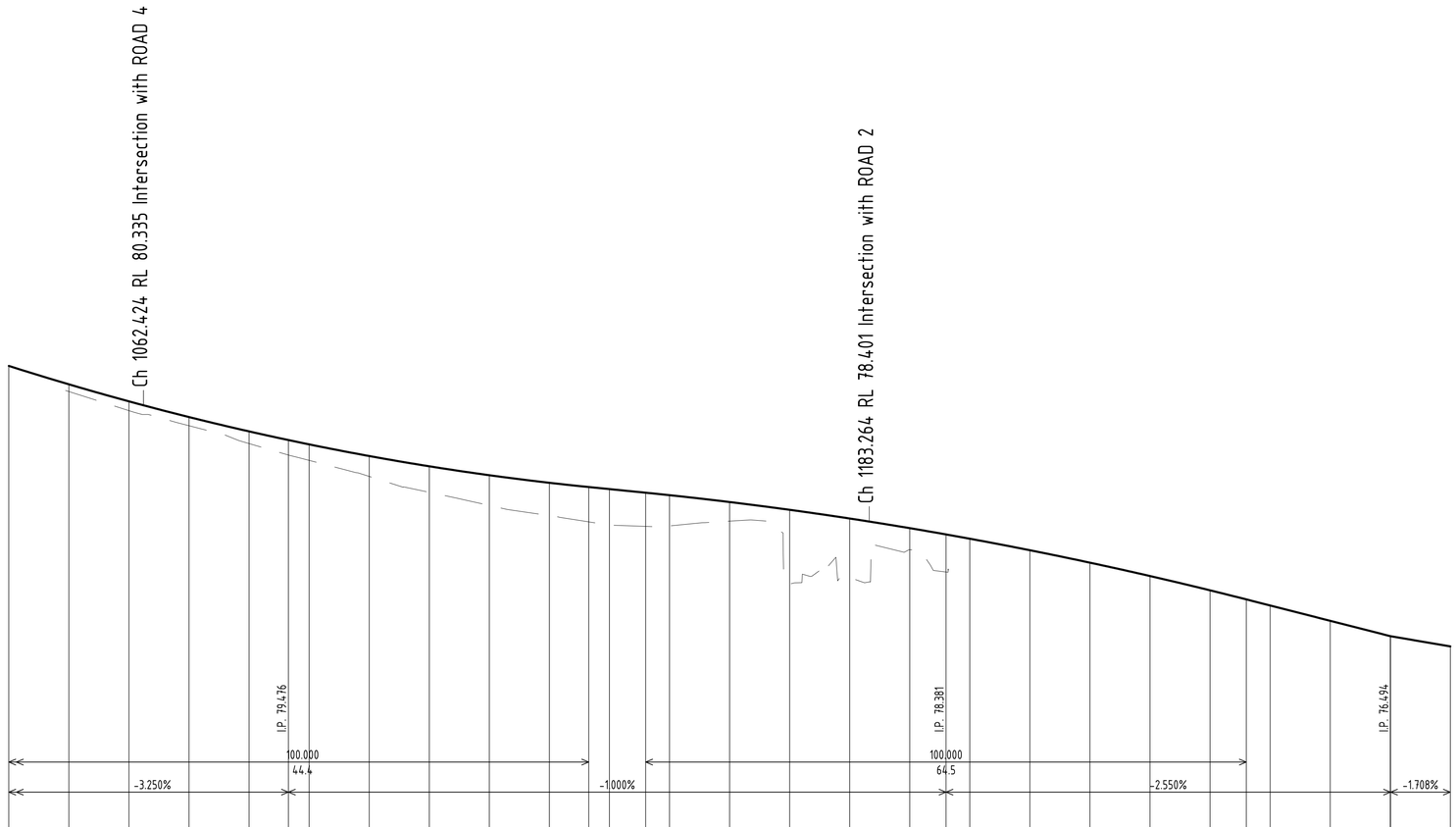
Client: NLI BYRON DEVELOPMENT PTY LTD
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON
Discipline: CIVIL
Status: APPROVAL
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: 1:50

Do not scale drawings. If in doubt, ask!

Title: ROADWORKS TYPICAL CROSS SECTIONS ULTIMATE CASE
Drawing No.: C131
Revision: J



R.L. 72.900

RIGHT EDGE	80.621	80.315		79.771	79.532	79.388	79.316	79.123	78.952	78.803	78.677	78.607	78.572	78.512	78.471	78.357	78.228			77.818	77.747	77.555	77.348	77.126	76.888	76.737	76.636	76.381	76.126	76.125	75.955
LEFT EDGE	80.621	80.315		79.771	79.532	79.388	79.316	79.123	78.952	78.803	78.677	78.607	78.572	78.512	78.471	78.357	78.228			77.818	77.747	77.555	77.348	77.126	76.888	76.737	76.636	76.381	76.126	76.125	75.955
Centreline Cut/Fill		0.120	0.154	0.144	0.202	0.249	0.266	0.340	0.433	0.503	0.546	0.580	0.599	0.560	0.511	0.318	1.229	0.982	0.360	0.626											
DESIGN SURFACE	80.990	80.684	80.401	80.140	79.901	79.757	79.685	79.492	79.321	79.172	79.046	78.976	78.941	78.881	78.840	78.726	78.597	78.452	78.292	78.187	78.116	77.924	77.717	77.495	77.257	77.106	77.005	76.750	76.495	76.494	76.324
EXISTING SURFACE		80.56	80.25	80.00	79.70	79.51	79.42	79.15	78.89	78.67	78.50	78.40	78.34	78.32	78.33	78.41	77.37	77.47	77.93	77.56											
CHAINAGE	1040.000	1050.000	1060.000	1070.000	1080.000	1086.554	1090.000	1100.000	1110.000	1120.000	1130.000	1136.554	1140.000	1146.034	1150.000	1160.000	1170.000	1180.000	1190.000	1196.034	1200.000	1210.000	1220.000	1230.000	1240.000	1246.034	1250.000	1260.000	1270.000	1270.047	1280.000

LONGITUDINAL SECTION
ROAD 1 Ch 1040.000 to Ch 1280.000
SCALES: HORIZONTAL 1:500 VERTICAL 1:50

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
I	14.05.20	Issued for Approval	AGC	ST
H	30.01.20	Issued for Approval	SF	JH
G	25.10.19	Issued for Approval	JH	SF
F	24.07.19	Issued for Approval	LS	TM
E	24.01.19	Issued for Approval	AP	TM
D	14.12.18	Issued for Approval	LS	CDM
C	01.06.18	Issued for Approval	GC	CDM

SCALE 1:50 VERTICAL
0 1 2 3m
0 10 20 30m
SCALE 1:500 HORIZONTAL
AT ORIGINAL SIZE (A1)

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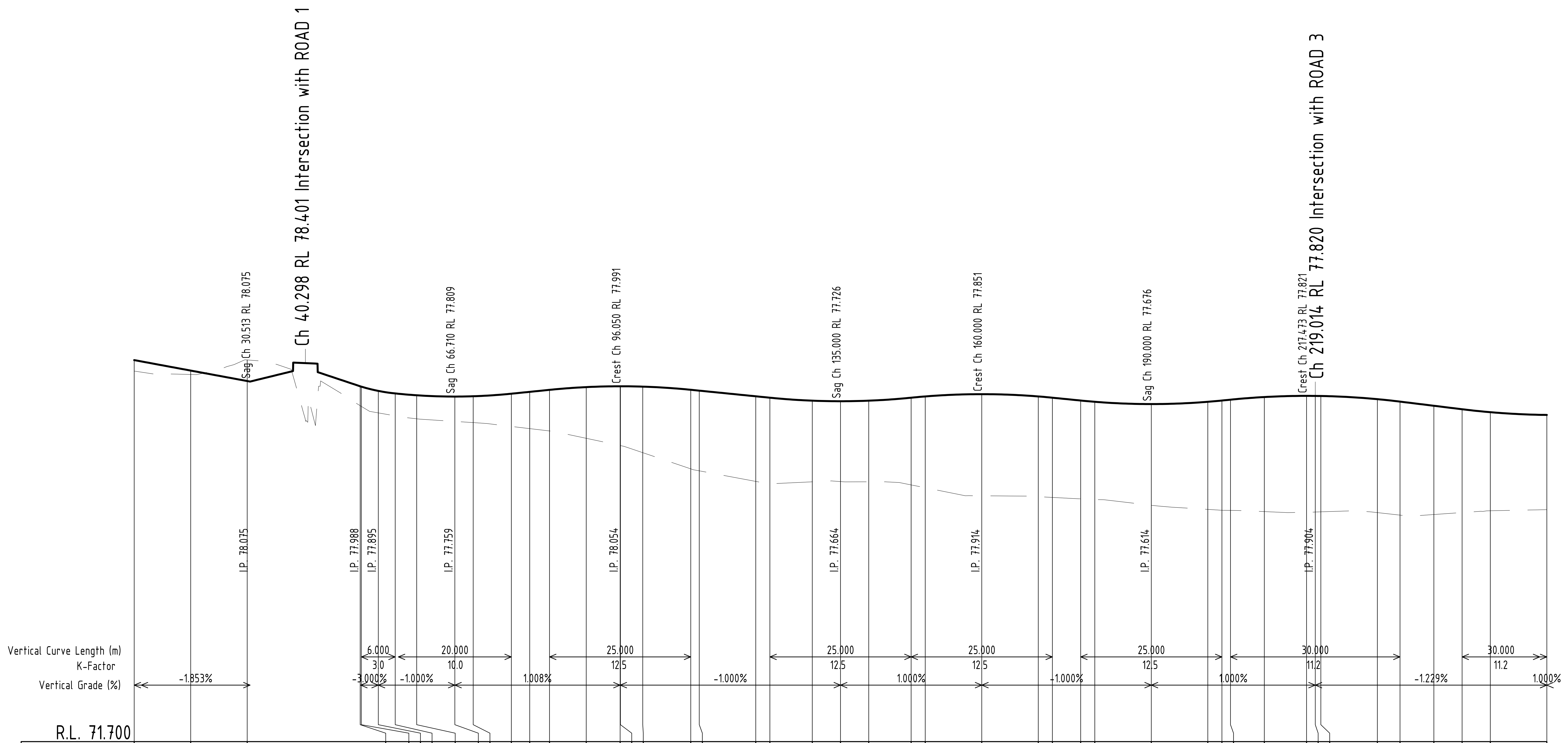
Client: NLI BYRON DEVELOPMENT PTY LTD
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON
Discipline: CIVIL
Status: APPROVAL
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: AS SHOWN

Title: ROADWORKS LONGITUDINAL SECTION
ROAD 1 - BYRON ROAD
ULTIMATE CASE

Drawing No.: C132
Revision: I



RIGHT EDGE	78.228	78.043	77.858	77.764	77.758	77.683	77.638	77.605	77.583	77.588	77.633	77.666	77.701	77.750	77.765
LEFT EDGE	78.228	78.043	77.858	77.764	77.758	77.683	77.638	77.605	77.583	77.588	77.633	77.666	77.701	77.750	77.765
Centreline Cut/Fill	0.195	0.069	-0.373	0.344	0.350	0.390	0.397	0.417	0.440	0.467	0.580	0.651	0.728	0.906	1.049
DESIGN SURFACE	78.455	78.269	78.084	77.991	77.985	77.910	77.865	77.832	77.809	77.815	77.860	77.893	77.928	77.976	77.991
EXISTING SURFACE	78.26	78.20	78.46	77.65	77.64	77.52	77.47	77.42	77.37	77.35	77.28	77.24	77.20	77.07	76.94
CHAINAGE	10.000	20.000	30.000	50.000	50.200	53.200	56.200	60.000	66.750	70.000	76.750	80.000	83.500	90.000	96.000

RIGHT EDGE	77.765	77.758	77.702	77.687	77.587	77.562	77.510	77.500	77.510	77.562	77.585	77.625	77.585	77.562	77.512
LEFT EDGE	77.765	77.758	77.702	77.687	77.587	77.562	77.510	77.500	77.510	77.562	77.585	77.625	77.585	77.562	77.512
Centreline Cut/Fill	1.050	1.169	1.400	1.419	1.507	1.524	1.436	1.422	1.437	1.544	1.616	1.799	1.774	1.765	1.741
DESIGN SURFACE	77.991	77.985	77.929	77.914	77.814	77.789	77.736	77.726	77.736	77.789	77.811	77.851	77.811	77.789	77.739
EXISTING SURFACE	76.94	76.82	76.53	76.49	76.31	76.26	76.30	76.30	76.30	76.24	76.19	76.05	76.04	76.02	76.00
CHAINAGE	96.050	100.000	108.500	110.000	120.000	122.500	130.000	135.000	140.000	147.500	150.000	160.000	170.000	172.500	177.500

RIGHT EDGE	77.490	77.450	77.490	77.512	77.528	77.574				77.537	77.493	77.420	77.358	77.306	77.257
LEFT EDGE	77.490	77.450	77.490	77.512	77.528	77.574	77.595	77.594	77.592	77.537	77.493	77.420	77.358	77.306	77.257
Centreline Cut/Fill	1.730	1.791	1.904	1.943	1.960	2.029	2.061	2.055	2.051	2.008	2.010	1.925	1.830	1.746	1.678
DESIGN SURFACE	77.716	77.676	77.716	77.739	77.754	77.801	77.821	77.820	77.819	77.763	77.720	77.646	77.585	77.533	77.484
EXISTING SURFACE	75.99	75.88	75.81	75.80	75.79	75.77	75.76	75.76	75.77	75.75	75.71	75.72	75.76	75.79	75.81
CHAINAGE	180.000	190.000	200.000	202.500	204.014	210.000	217.473	219.014	220.000	230.000	234.014	240.000	245.000	250.000	260.000

LONGITUDINAL SECTION
ROAD 2 Ch 10.000 to Ch 260.000
SCALES: HORIZONTAL 1:500 VERTICAL 1:50

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
H	14.05.20	Issued for Approval	AGC	ST
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E	24.07.19	Issued for Approval	LS	TM
D	14.12.18	Issued for Approval	LS	CDM
C	01.06.18	Issued for Approval	GC	CDM
B	27.10.17	Issued for Approval	GC	CDM

SCALE 1:50 VERTICAL
0 1 2 3m
0 10 20 30m
SCALE 1:500 HORIZONTAL
AT ORIGINAL SIZE (A1)

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Client
NLI BYRON DEVELOPMENT PTY LTD

Project Name
MULTI RESIDENTIAL DEVELOPMENT
202 BYRON ROAD,
LEPPINGTON

Discipline: CIVIL
Status: APPROVAL
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: AS SHOWN

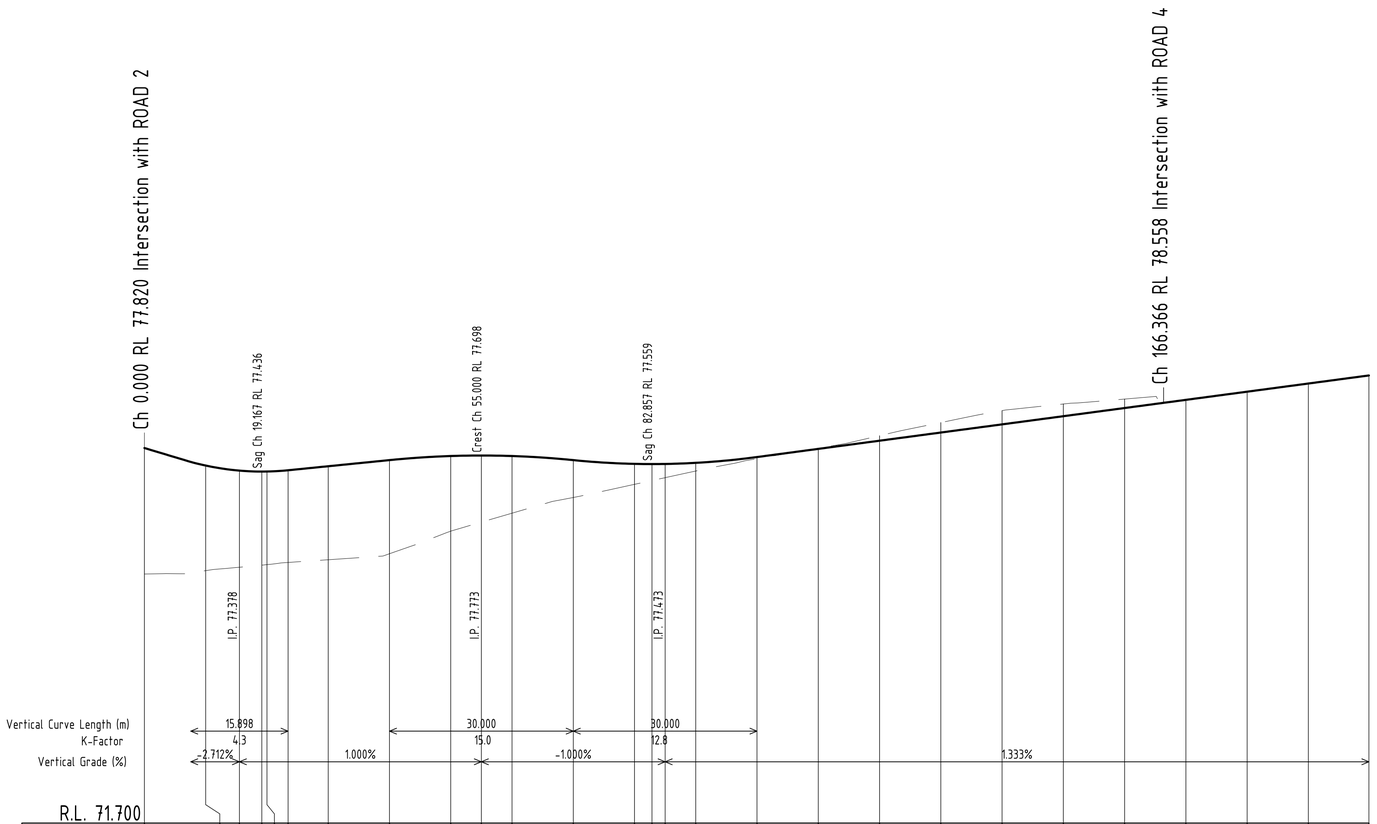
Do not scale drawings. If in doubt, ask!

Title
ROADWORKS LONGITUDINAL SECTION
ROAD 2 - TOWN CENTRE ROAD
ULTIMATE CASE

Drawing No.: C133
Revision: H

FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm

PLOT DATE: 5/14/2020 3:19 PM FILENAME: \\192.168.8.4\JOBS\18000\18540\CVL\DWG\BYRON RD\18540-C133.DWG



RIGHT EDGE		77.380	77.298	77.282	77.283	77.303	77.369	77.469	77.536	77.544	77.536	77.469	77.408	77.405	77.406	77.424	77.519	77.652	77.785	77.919	78.052	78.185			78.585	78.719	78.851
LEFT EDGE		77.380	77.298	77.282	77.283	77.303	77.369	77.469	77.536	77.544	77.536	77.469	77.408	77.405	77.406	77.424	77.519	77.652	77.785	77.919	78.052	78.185	78.319	78.452	78.585	78.719	78.851
Centreline Cut/Fill	2.055	1.715	1.577	1.527	1.520	1.505	1.526	1.528	1.226	1.087	0.933	0.609	0.334	0.269	0.224	0.134	0.027	-0.011	-0.082	-0.163	-0.225	-0.199	-0.146				
DESIGN SURFACE	77.820	77.535	77.452	77.436	77.437	77.458	77.523	77.623	77.690	77.698	77.690	77.623	77.562	77.559	77.561	77.579	77.673	77.807	77.940	78.073	78.207	78.340	78.473	78.607	78.740	78.873	79.005
EXISTING SURFACE	75.76	75.82	75.87	75.91	75.92	75.95	76.00	76.10	76.46	76.61	76.76	77.01	77.23	77.29	77.34	77.45	77.65	77.82	78.02	78.24	78.43	78.54	78.62				
CHAINAGE	0.000	10.000	15.500	19.167	20.000	23.449	30.000	40.000	50.000	55.000	60.000	70.000	80.000	82.857	85.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	199.878

LONGITUDINAL SECTION
ROAD 3 Ch 0.000 to Ch 199.878
SCALES: HORIZONTAL 1:500 VERTICAL 1:50

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
H	14.05.20	Issued for Approval	AGC	ST
G	30.01.20	Issued for Approval	SF	JH
F	25.10.19	Issued for Approval	JH	SF
E	24.07.19	Issued for Approval	LS	TM
D	14.12.18	Issued for Approval	LS	CDM
C	01.06.18	Issued for Approval	GC	CDM
B	27.10.17	Issued for Approval	GC	CDM

SCALE 1:50 VERTICAL
0 1 2 3m
0 10 20 30m
SCALE 1:500 HORIZONTAL
AT ORIGINAL SIZE (A1)

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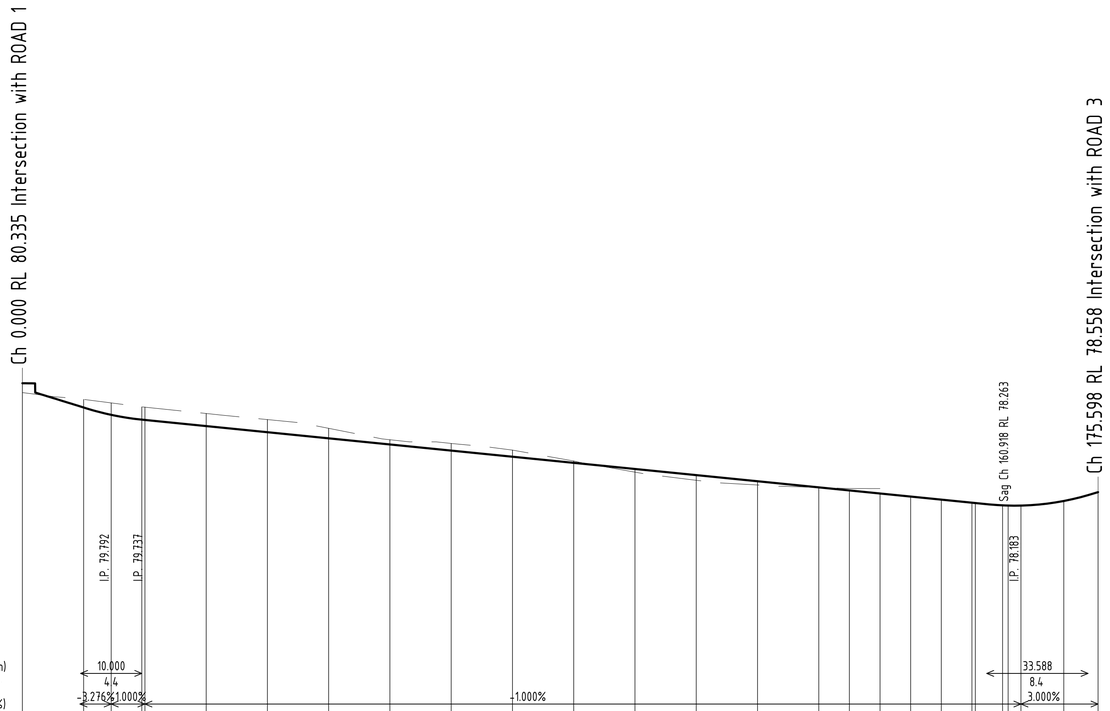
Client: NLI BYRON DEVELOPMENT PTY LTD
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON
Discipline: CIVIL
Status: APPROVAL
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: AS SHOWN

Title: ROADWORKS LONGITUDINAL SECTION ROAD 3 ULTIMATE CASE
Drawing No.: C134
Revision: H



CHAINAGE	Centreline Cut/Fill	DESIGN SURFACE	EXISTING SURFACE	RIGHT EDGE	LEFT EDGE
0.000	0.152	80.335	80.18		
10.000	-0.133	79.939	80.07	79.786	79.786
14.500	-0.194	79.820	80.01	79.667	79.667
19.500	-0.208	79.742	79.95	79.589	79.589
20.000	-0.208	79.737	79.95	79.584	79.584
30.000	-0.205	79.637	79.84	79.484	79.484
40.000	-0.206	79.537	79.74	79.384	79.384
50.000	-0.163	79.437	79.60	79.284	79.284
60.000	-0.077	79.337	79.41	79.184	79.184
70.000	-0.117	79.237	79.35	79.084	79.084
80.000		79.137	79.24	78.984	78.984
90.000		79.037	79.07	78.884	78.884
100.000	0.052	78.937	78.88	78.784	78.784
110.000	0.085	78.837	78.75	78.684	78.684
120.000		78.737	78.67	78.584	78.584
130.000	0.003	78.637	78.63	78.484	78.484
135.000	-0.031	78.587	78.62	78.434	78.434
140.000	-0.085	78.532	78.62	78.379	78.379
145.000		78.469		78.316	78.316
150.000		78.398		78.245	78.245
155.000		78.318		78.165	78.165
155.556		78.308		78.155	78.155
160.000		78.264		78.111	78.111
160.918		78.253		78.101	78.101
163.000		78.210		78.117	78.117
170.000		78.393		78.240	78.240
175.598		78.558			

LONGITUDINAL SECTION
ROAD 4 Ch 0.000 To Ch 175.598
SCALES: HORIZONTAL 1:500 VERTICAL 1:50

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
H	14.05.20	Issued for Approval	AGC	ST
G	30.01.20	Issued for Approval	SF	JH
F	25.10.19	Issued for Approval	JH	SF
E	24.07.19	Issued for Approval	LS	TM
D	14.12.18	Issued for Approval	LS	CDM
C	01.06.18	Issued for Approval	GC	CDM
B	27.10.17	Issued for Approval	GC	CDM

SCALE 1:50 VERTICAL
0 1 2 3m
0 10 20 30m
SCALE 1:500 HORIZONTAL
AT ORIGINAL SIZE (A1)

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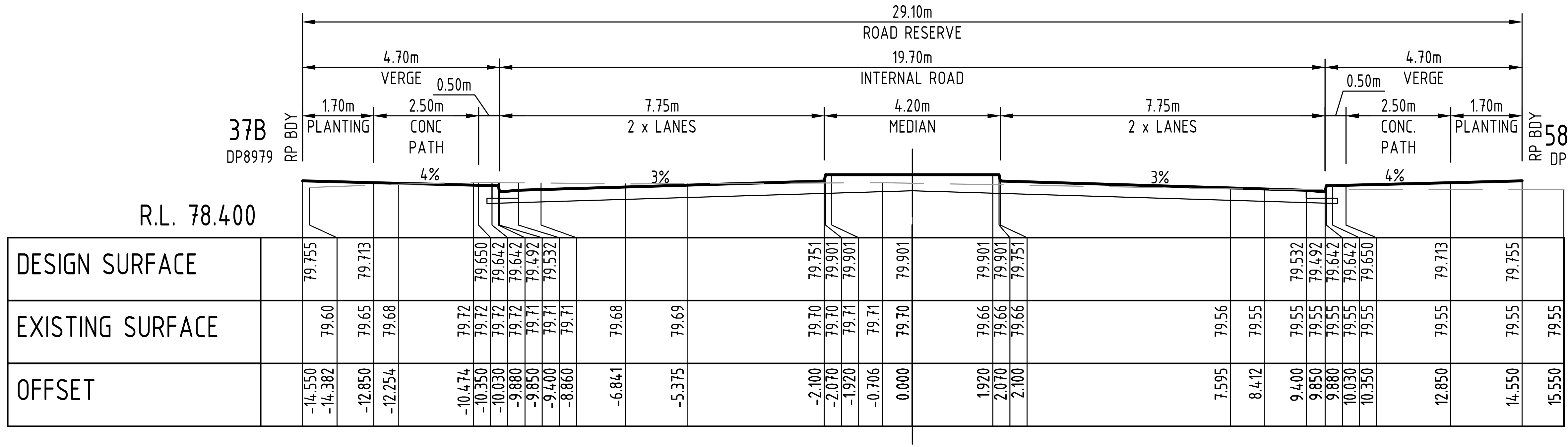
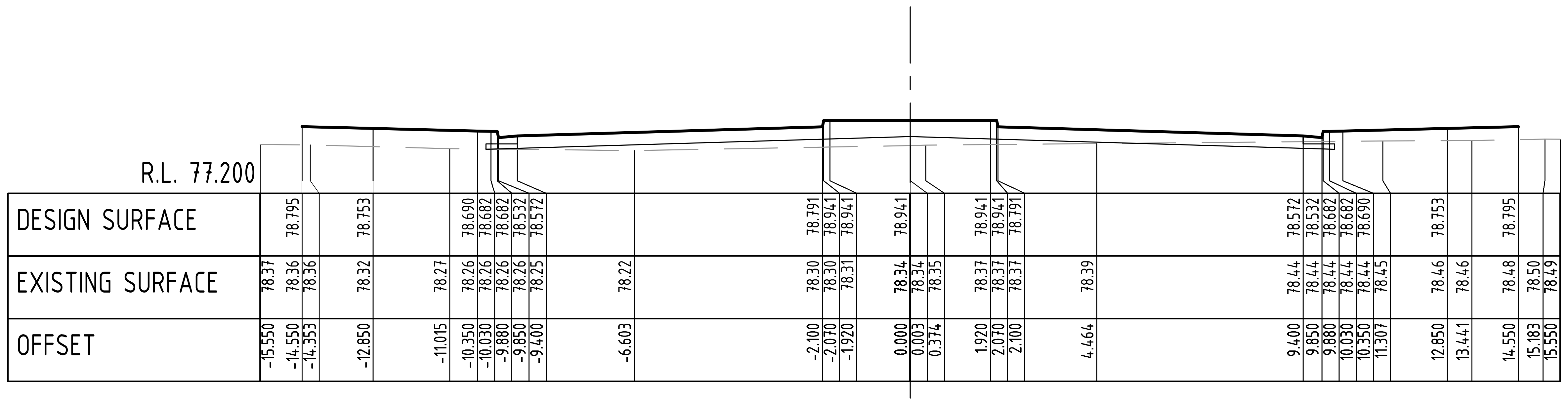
E info@adgce.com W www.adgce.com
BRISBANE / SYDNEY / MELBOURNE / GOLD COAST / SUNSHINE COAST / DARWIN / PERTH

Client: NLI BYRON DEVELOPMENT PTY LTD
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON
Discipline: CIVIL
Status: APPROVAL
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: AS SHOWN

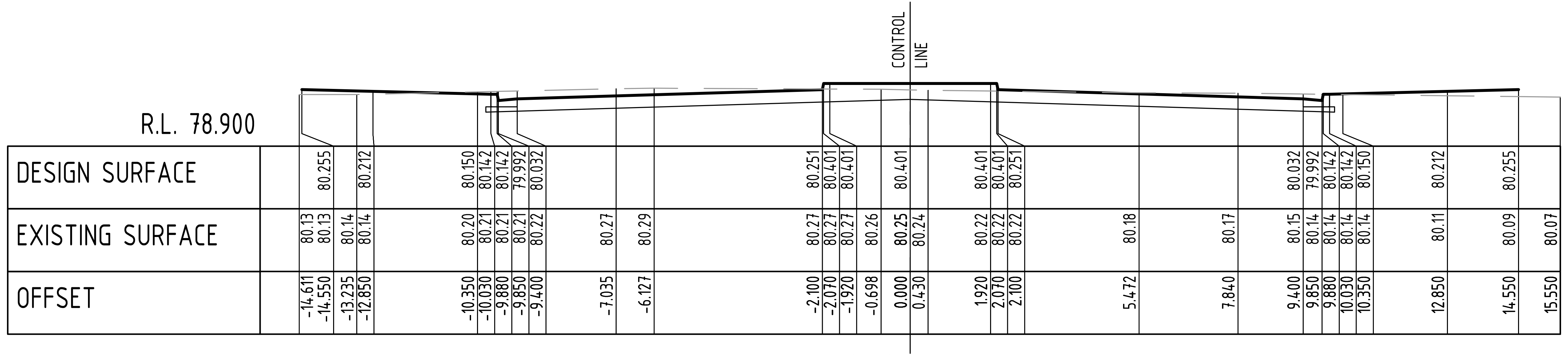
Title: ROADWORKS LONGITUDINAL SECTION ROAD 4 ULTIMATE CASE
Drawing No.: C135
Revision: H



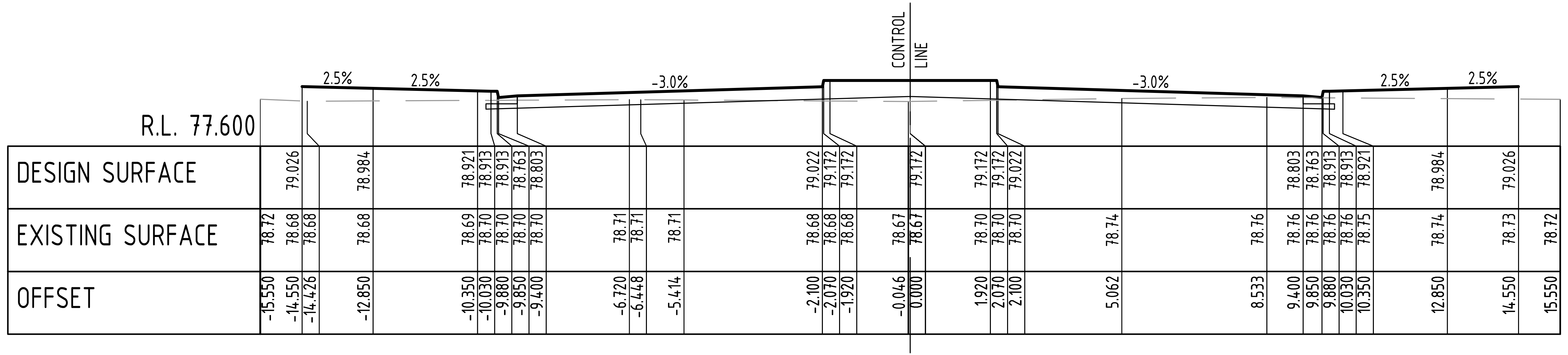
Ch 1080.000



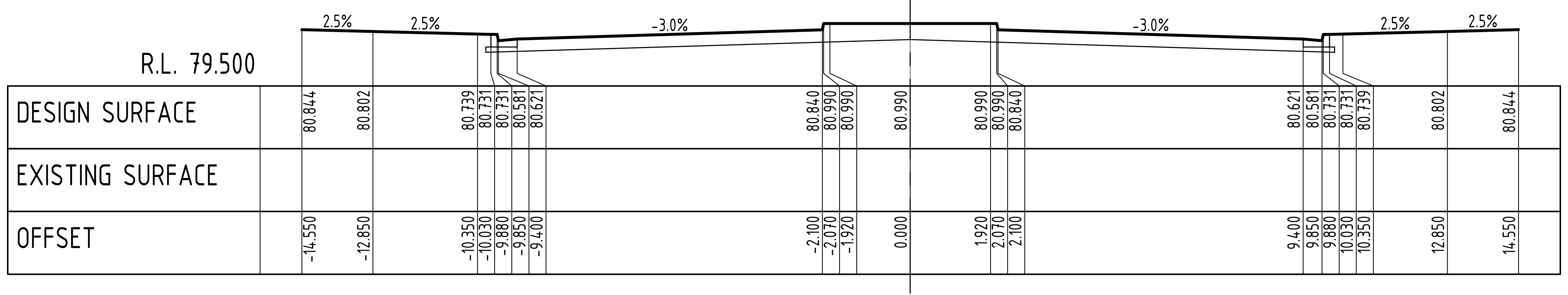
Ch 1140.000



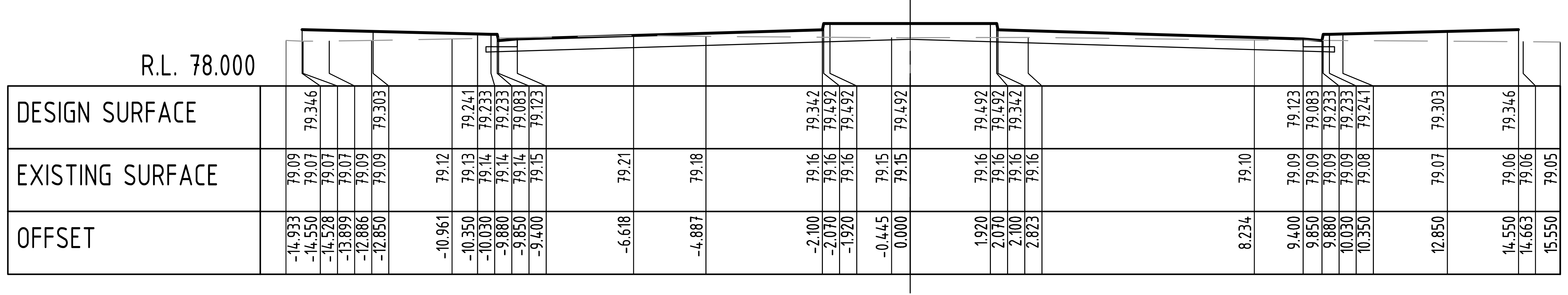
Ch 1060.000



Ch 1120.000



Ch 1040.000



Ch 1100.000

NOTE:
REFER DRG C131 FOR TYPICAL CROSS SECTIONS
FOR ROAD 1 (ULTIMATE SCENARIO)

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
E	14.05.20	Issued for Approval	AGC	ST
D	30.01.20	Issued for Approval	SF	JH
C	25.10.19	Issued for Approval	JH	SF
B	24.07.19	Issued for Approval	LS	TM
A	14.12.18	Issued for Approval	LS	CDM

0 1 2 3 4 5m
SCALE 1:100
AT ORIGINAL SIZE (A1)

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Client
NLI BYRON DEVELOPMENT PTY LTD

Project Name
MULTI RESIDENTIAL DEVELOPMENT
202 BYRON ROAD,
LEPPINGTON

Discipline	Status
CIVIL	APPROVAL

Designed By	Checked By	Approved By
CM	JN	JH

Project No.	Drawn By	Scale at A1
18540	LC	1:100

Title
ROADWORKS CROSS SECTIONS
ROAD 1 - FUTURE BYRON ROAD
ULTIMATE CASE

Drawing No.
C136

Revision
E

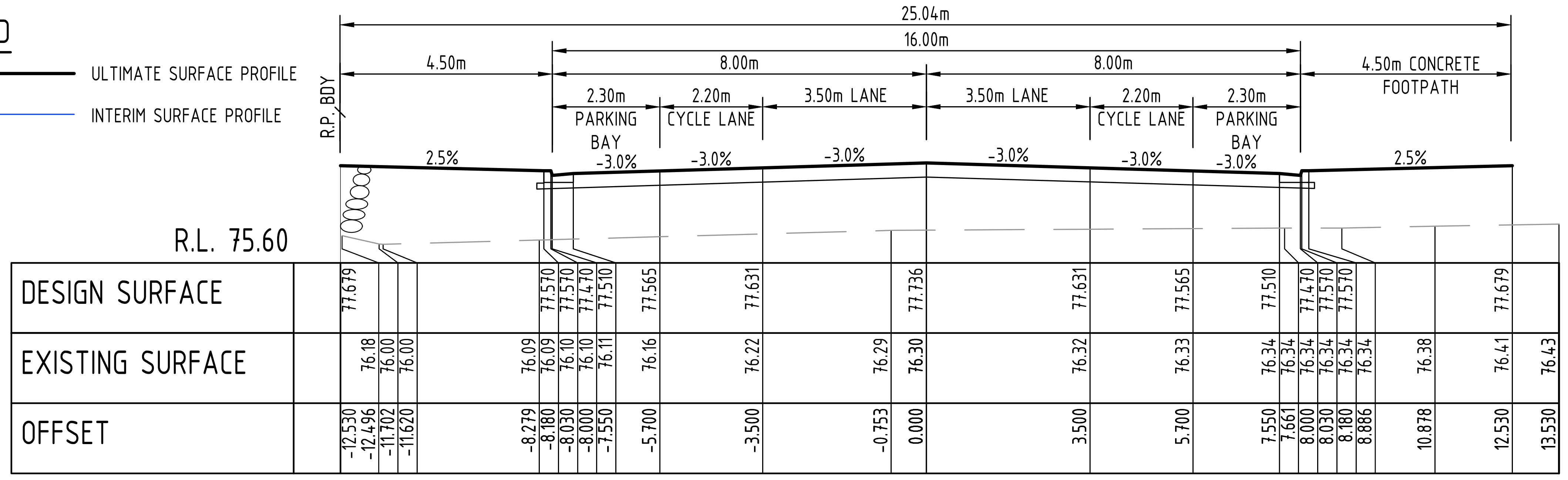
PLOT DATE: 5/14/2020 3:20 PM FILENAME: \\192.168.8.4\JOBS\18000\18540\CVL\DWG\BYRON RD\18540-C136.DWG

FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm

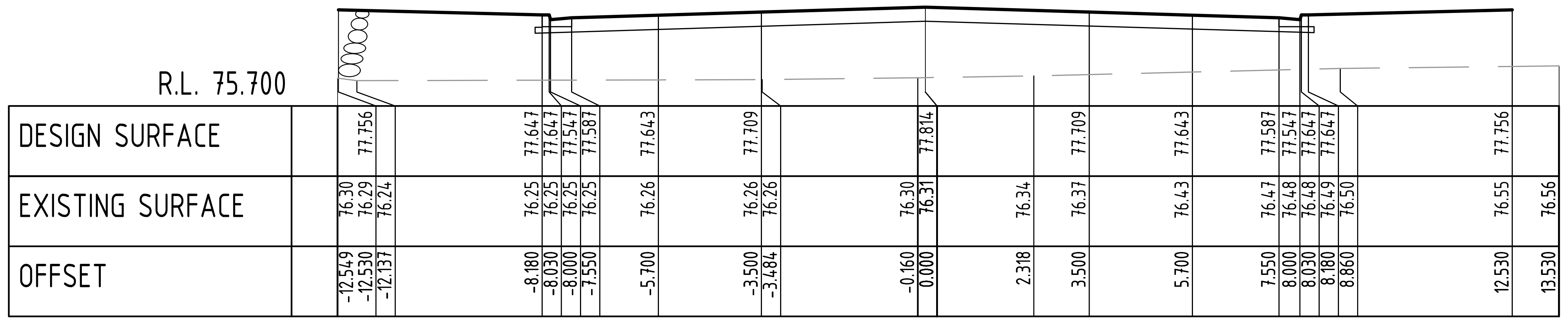
LEGEND

▬ ULTIMATE SURFACE PROFILE

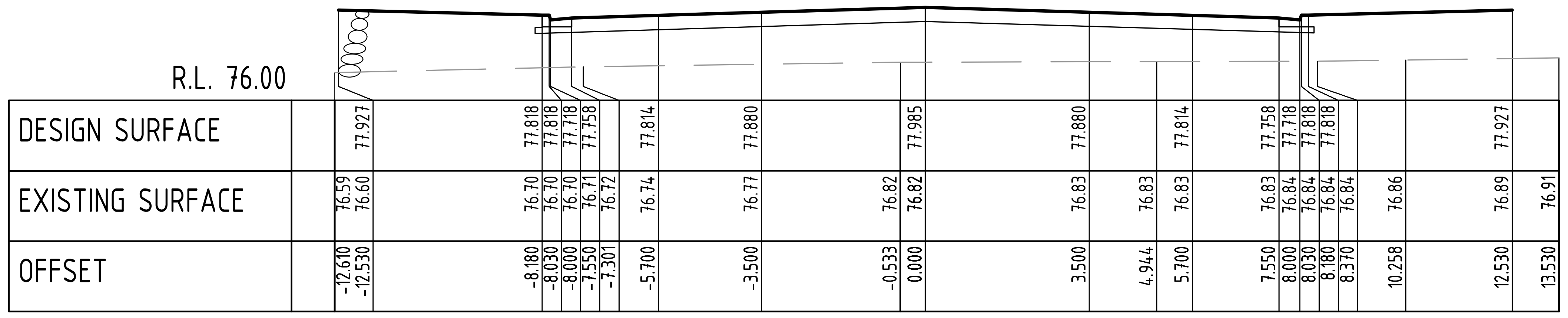
▬ INTERIM SURFACE PROFILE



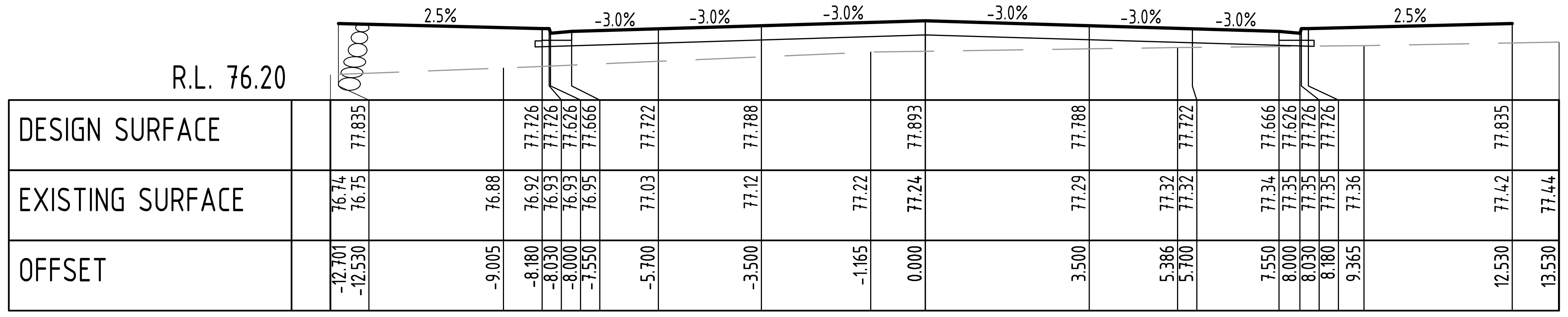
Ch 140.000



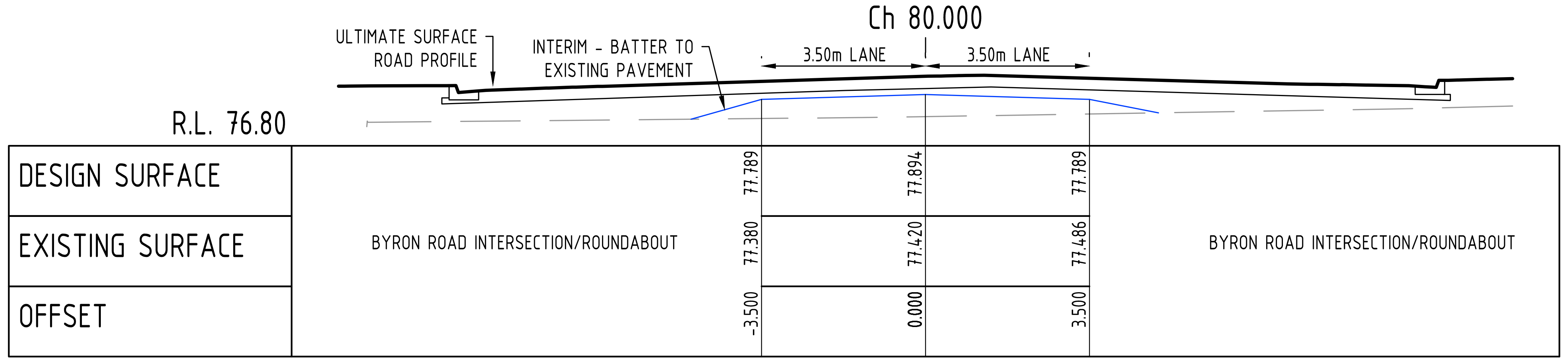
Ch 120.000



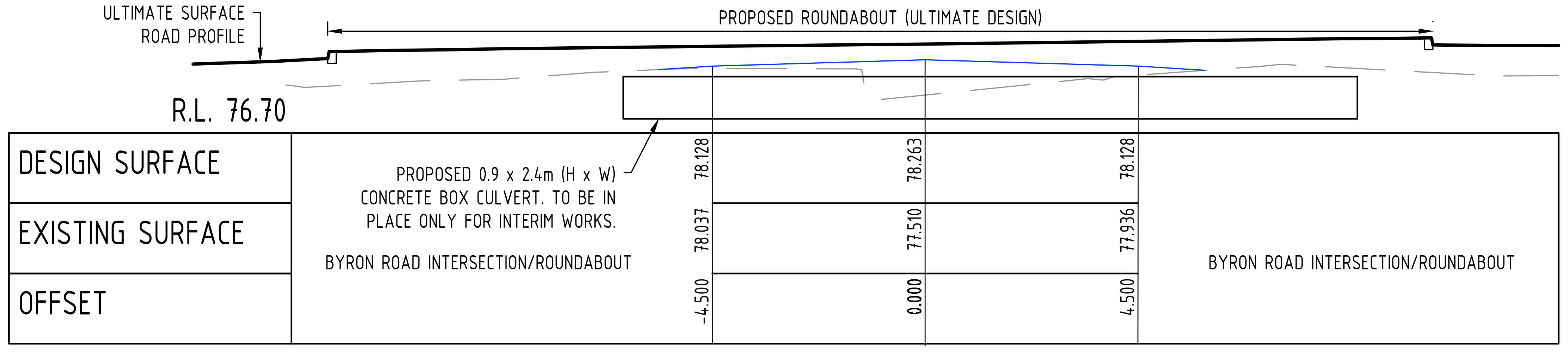
Ch 100.000



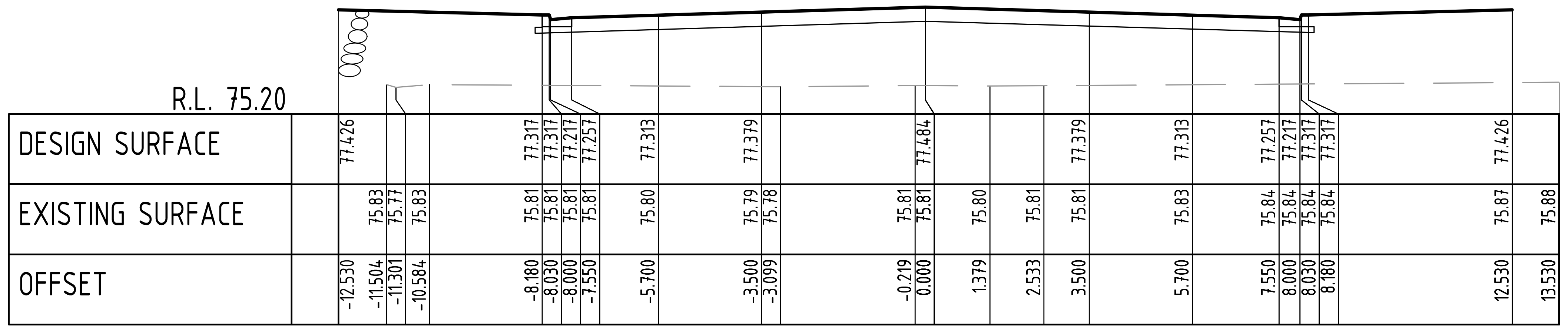
Ch 80.000



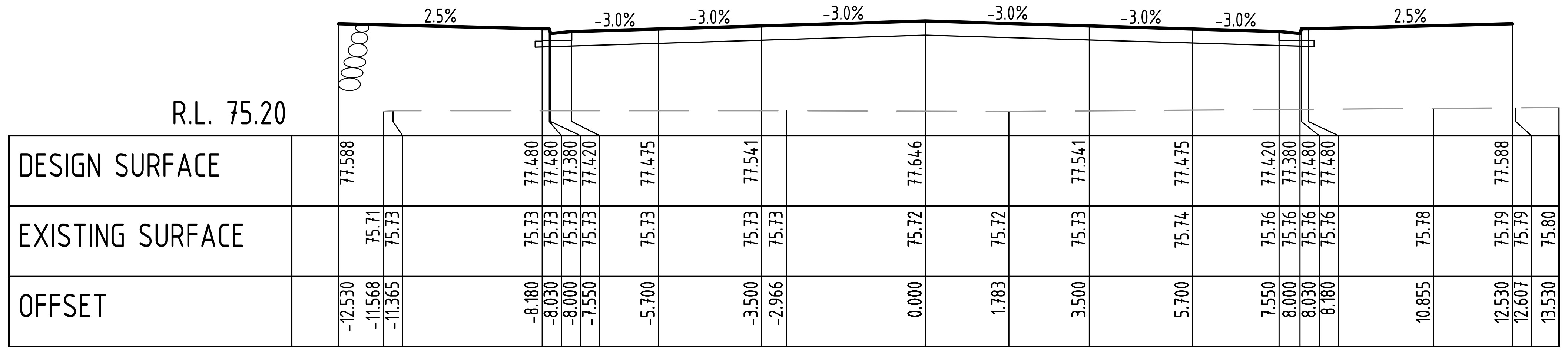
Ch 60.000



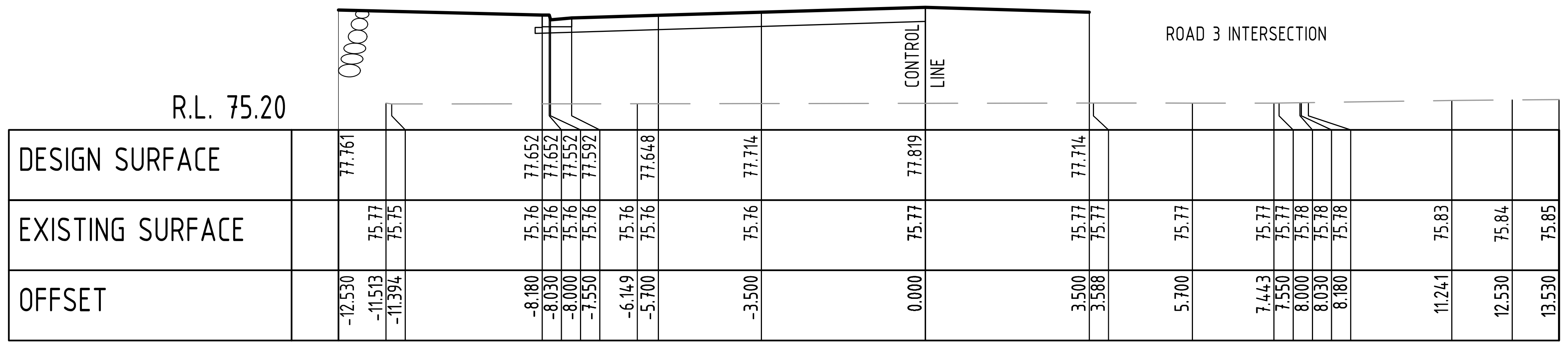
Ch 40.000



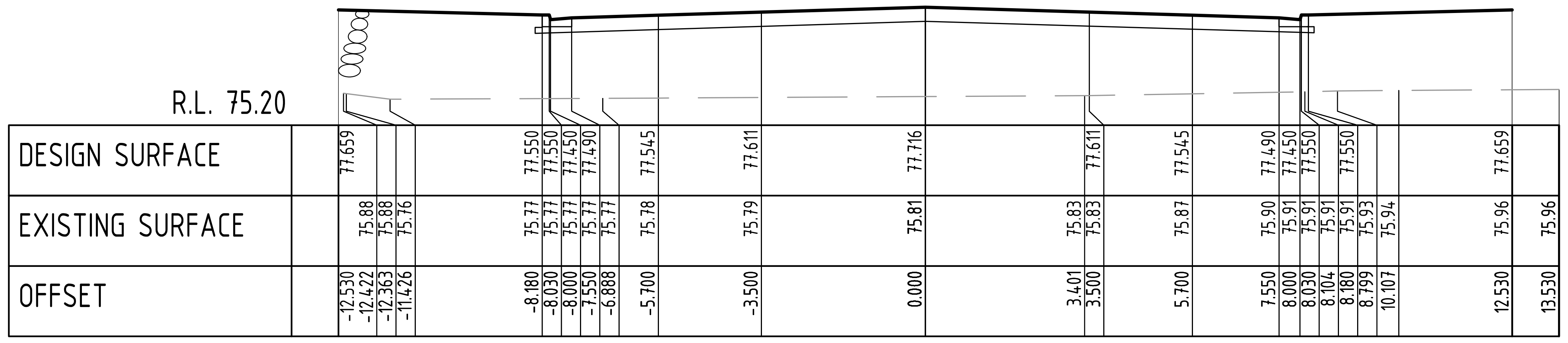
Ch 260.000



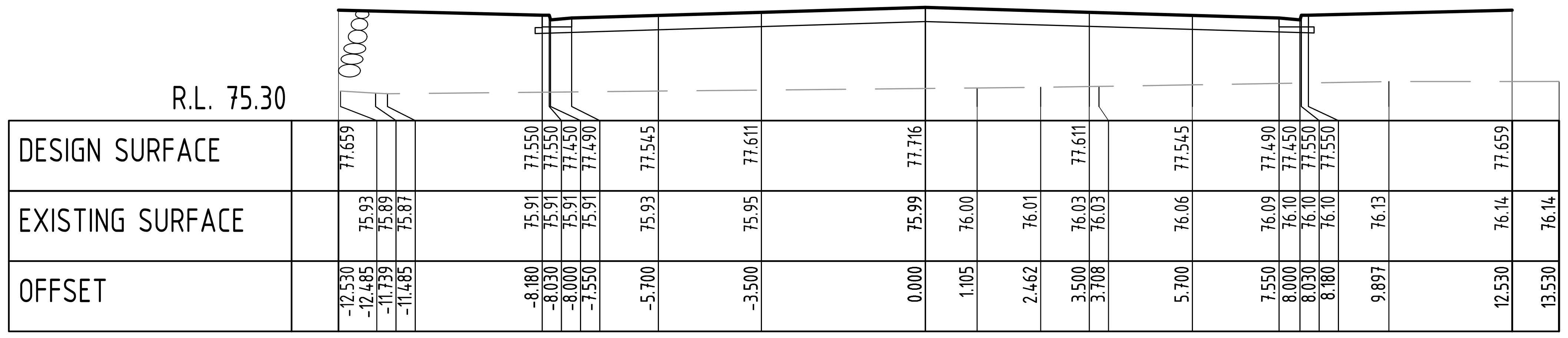
Ch 240.000



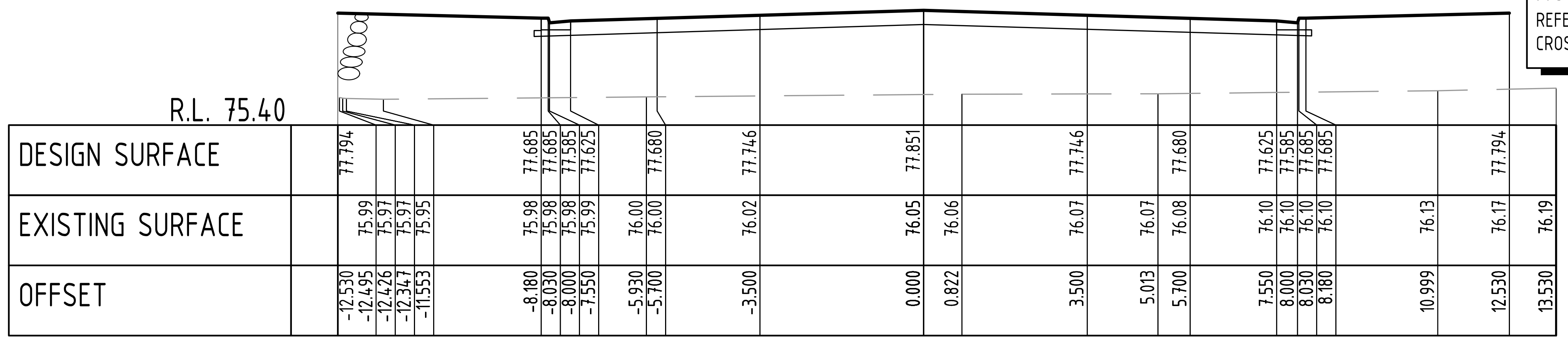
Ch 220.000



Ch 200.000



Ch 180.000



Ch 160.000

NOTE:
REFER DRG C131 FOR TYPICAL CROSS SECTIONS FOR ROAD 2

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
F	14.05.20	Issued for Approval	AGC	ST
E	15.04.20	Issued for Approval	LS	CDM
D	30.01.20	Issued for Approval	SF	JH
C	25.10.19	Issued for Approval	JH	SF
B	24.07.19	Issued for Approval	LS	TM
A	14.12.18	Issued for Approval	LS	CDM

0 1 2 3 4 5m
SCALE 1:100
AT ORIGINAL SIZE (A1)

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BRISBANE / SYDNEY / MELBOURNE / GOLD COAST / SUNSHINE COAST / DARWIN / PERTH

Client
NLI BYRON DEVELOPMENT PTY LTD

Project Name
MULTI RESIDENTIAL DEVELOPMENT
202 BYRON ROAD,
LEPPINGTON

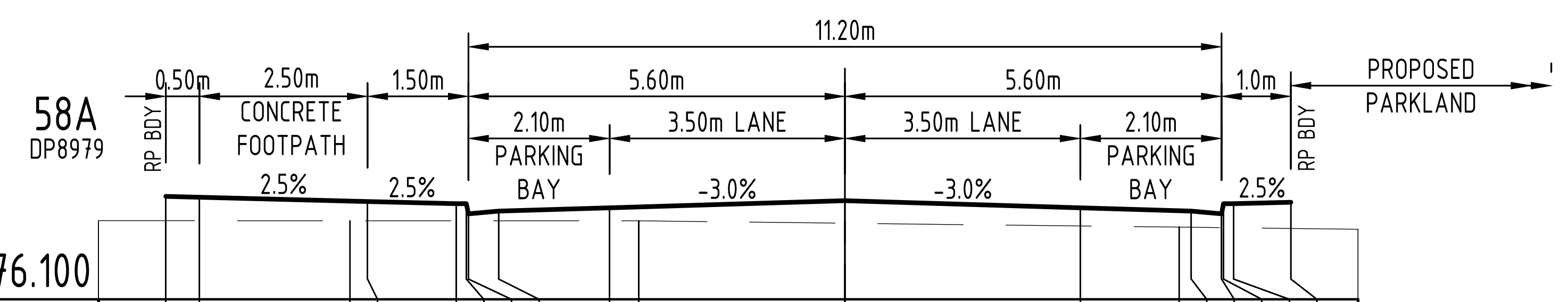
Discipline		Status	
CIVIL		APPROVAL	
Designed By	Checked By	Approved By	
CM	JN	JH	
Project No.	Drawn By	Scale at A1	
18540	LC	1:100	

Title
ROADWORKS CROSS SECTIONS
ROAD 2 - TOWN CENTRE ROAD
ULTIMATE CASE

Drawing No.
C137

Revision
F

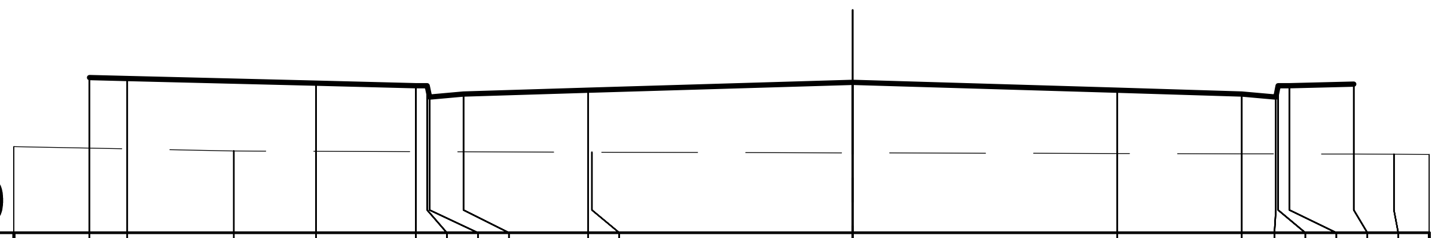
FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm



R.L. 76.100

DESIGN SURFACE		77.626	77.613		77.551	77.518	77.518	77.368	77.408	77.457		77.562	77.457		77.408	77.368	77.518	77.518	77.539	
EXISTING SURFACE	77.27	77.27	77.27	77.26	77.26	77.26	77.26	77.26	77.26	77.26	77.26	77.23	77.19	77.17	77.17	77.16	77.16	77.16	77.15	77.14
OFFSET	-11.100	-10.100	-9.600	-7.361	-7.100	-5.780	-5.630	-5.600	-5.150	-3.500	-3.065	0.000	3.500	4.969	5.150	5.600	5.630	5.780	6.630	7.630

Ch 80.000

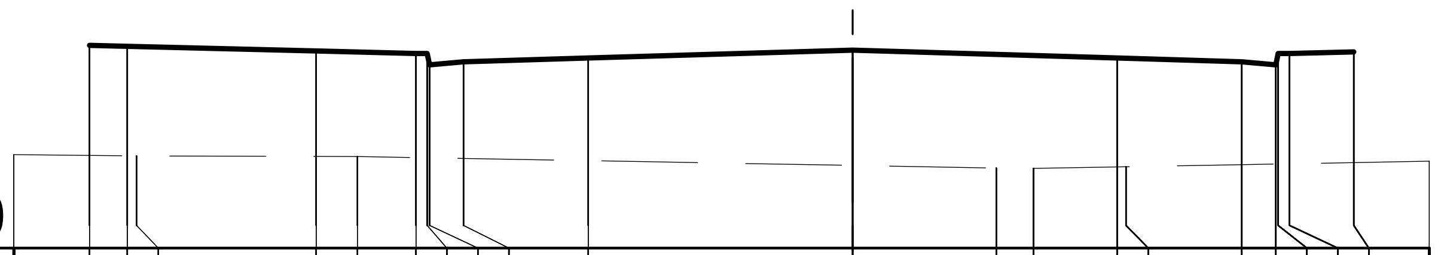


R.L. 75.700

DESIGN SURFACE		77.754	77.741		77.679	77.646	77.646	77.496	77.536	77.585		77.690	77.585	77.536	77.496	77.646	77.646	77.667		
EXISTING SURFACE	76.84	76.82	76.81	76.78	76.78	76.77	76.77	76.77	76.77	76.77	76.76	76.76	76.75	76.74	76.74	76.74	76.74	76.74	76.74	76.73
OFFSET	-11.100	-10.100	-9.600	-8.190	-7.100	-5.780	-5.630	-5.600	-5.150	-3.500	-3.451	0.000	3.500	5.150	5.600	5.630	5.780	6.630	7.163	7.630

Ch 60.000

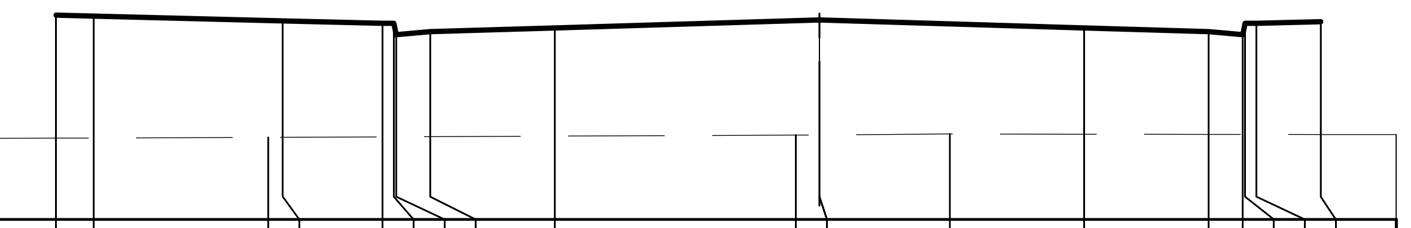
CONTROL LINE



R.L. 75.000

DESIGN SURFACE		77.687	77.674		77.612		77.579	77.579	77.429	77.469	77.518	77.623			77.518		77.469	77.429	77.579	77.579	77.600	
EXISTING SURFACE	76.24	76.23	76.22	76.22	76.21	76.21	76.20	76.20	76.20	76.19	76.16	76.10	76.06	76.06	76.08	76.08	76.11	76.11	76.11	76.12	76.13	76.15
OFFSET	-11.100	-10.100	-9.600	-9.477	-7.100	-6.553	-5.780	-5.630	-5.600	-5.150	-3.500	0.000	1.900	2.394	3.500	3.618	5.150	5.600	5.630	5.780	6.630	7.630

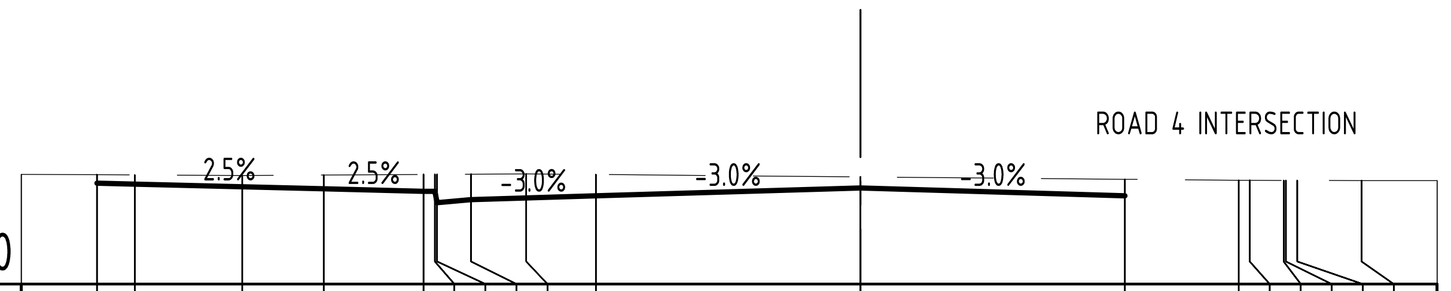
Ch 40.000



R.L. 74.800

DESIGN SURFACE		77.501	77.488		77.426	77.393	77.393	77.243	77.283	77.332		77.437		77.332	77.283	77.243	77.393	77.393	77.414	
EXISTING SURFACE	75.87	75.87	75.88	75.89	75.89	75.89	75.89	75.89	75.89	75.90	75.92	75.92	75.93	75.93	75.93	75.92	75.92	75.92	75.92	75.92
OFFSET	-11.100	-10.100	-9.600	-7.292	-7.100	-5.780	-5.630	-5.600	-5.150	-3.500	-0.311	0.000	1.723	3.500	5.150	5.600	5.630	5.780	6.630	7.630

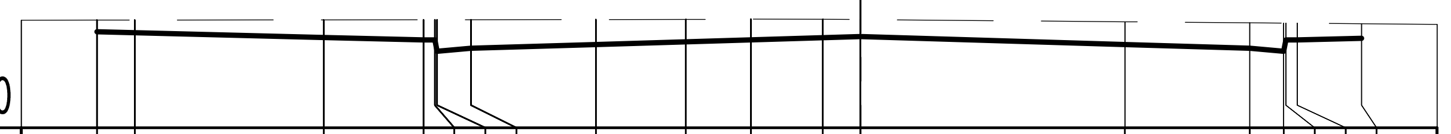
Ch 20.000



R.L. 77.200

DESIGN SURFACE		78.537	78.524		78.462	78.429	78.429	78.279	78.319		78.368	78.473	78.368							
EXISTING SURFACE	78.65	78.65	78.65	78.64	78.64	78.65	78.65	78.65	78.66	78.66	78.65	78.62	78.59	78.57	78.57	78.57	78.57	78.57	78.57	78.57
OFFSET	-11.100	-10.100	-9.600	-8.177	-7.100	-5.780	-5.630	-5.600	-5.150	-4.421	-3.500	0.000	3.500	5.005	5.150	5.600	5.630	5.780	6.630	7.630

Ch 160.000



R.L. 77.000

DESIGN SURFACE		78.270	78.258	78.195	78.162	78.162	78.012	78.052	78.102				78.207	78.102	78.052	78.012	78.162	78.162	78.183	
EXISTING SURFACE	78.42	78.42	78.43	78.43	78.43	78.43	78.43	78.43	78.43	78.43	78.44	78.44	78.43	78.40	78.39	78.39	78.39	78.38	78.38	78.37
OFFSET	-11.100	-10.100	-9.600	-7.100	-5.780	-5.630	-5.600	-5.150	-3.500	-2.309	-1.448	-0.496	0.000	3.500	5.150	5.600	5.630	5.780	6.630	7.630

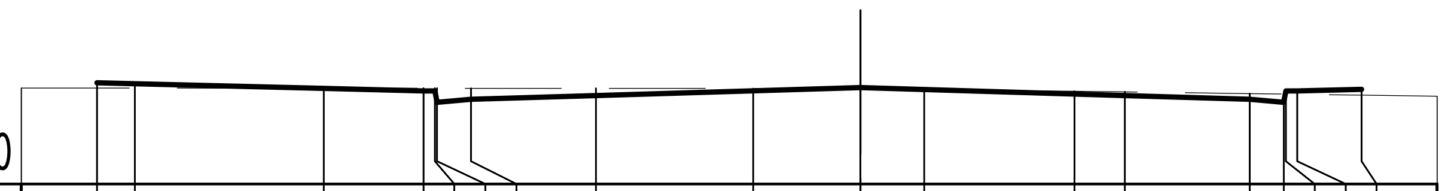
Ch 140.000

CONTROL LINE

R.L. 76.700

DESIGN SURFACE		78.003	77.991		77.928	77.895	77.895	77.745	77.785		77.835	77.940	77.835		77.785	77.745	77.895	77.895	77.917		
EXISTING SURFACE	78.11	78.11	78.10	78.08	78.08	78.06	78.06	78.06	78.06	78.04	78.04	78.02	78.00	78.00	78.00	77.99	77.99	77.99	77.99	77.98	77.98
OFFSET	-11.100	-10.100	-9.600	-7.607	-7.100	-5.780	-5.630	-5.600	-5.150	-3.562	-3.500	0.000	3.500	3.672	5.150	5.600	5.630	5.780	6.630	7.609	7.630

Ch 120.000



R.L. 76.400

DESIGN SURFACE		77.737	77.724	77.662	77.629	77.629	77.479	77.519	77.568		77.673			77.568	77.519	77.479	77.629	77.629	77.650	
EXISTING SURFACE	77.67	77.67	77.67	77.66	77.66	77.66	77.66	77.66	77.66	77.66	77.65	77.64	77.63	77.62	77.59	77.59	77.59	77.58	77.57	77.56
OFFSET	-11.100	-10.100	-9.600	-7.100	-5.780	-5.630	-5.600	-5.150	-3.500	-1.419	0.000	0.844	2.831	3.500	5.150	5.600	5.630	5.780	6.630	7.630

Ch 100.000

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
E	14.05.20	Issued for Approval	AGC	ST
D	30.01.20	Issued for Approval	SF	JH
C	25.10.19	Issued for Approval	JH	SF
B	24.07.19	Issued for Approval	LS	TM
A	14.12.18	Issued for Approval	LS	CDM

0 1 2 3 4 5m
SCALE 1:100
AT ORIGINAL SIZE (A1)

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BRISBANE / SYDNEY / MELBOURNE / GOLD COAST / SUNSHINE COAST / DARWIN / PERTH

Client
NLI BYRON DEVELOPMENT PTY LTD

Project Name
MULTI RESIDENTIAL DEVELOPMENT
202 BYRON ROAD,
LEPPINGTON

Discipline CIVIL		Status APPROVAL
Designed By CM	Checked By JN	Approved By JH
Project No. 18540	Drawn By LC	Scale at A1 1:100

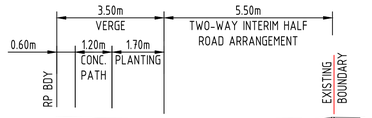
Title
ROADWORKS CROSS SECTIONS
ROAD 3
ULTIMATE CASE

Drawing No.
C138

Revision
E

PLOT DATE: 5/14/2020 3:20 PM FILENAME: \\192.168.8.4\JOBS\18000\18540\CVL\DWG\BYRON RD\18540-C138.DWG

FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm



R.L. 77.900

DESIGN SURFACE		79.177	79.162	79.332	79.094	79.094	79.094	79.344	79.384	79.033				79.137
EXISTING SURFACE	78.93	78.96	78.97	79.01	79.05	79.05	79.05	79.05	79.06	79.11	79.16	79.18	79.18	79.25	79.24
OFFSET	-10.050	-9.050	-8.450	-7.250	-5.730	-5.580	-5.550	-5.550	-5.100	-3.450	-1.361	-0.457	-0.435	-0.081	0.000

Ch 80.000

R.L. 78.100

DESIGN SURFACE		79.377	79.362	79.332	79.294	79.294	79.294	79.344	79.384	79.233				79.337
EXISTING SURFACE	79.21	79.21	79.23	79.27	79.30	79.30	79.30	79.30	79.31	79.35		79.41	79.41	79.41
OFFSET	-10.050	-9.958	-9.050	-8.450	-7.250	-5.730	-5.580	-5.550	-5.550	-5.100	-3.450		-0.298	0.000

Ch 60.000

CONTROL LINE

R.L. 78.300

DESIGN SURFACE		79.577	79.562	79.532	79.494	79.494	79.494	79.544	79.584	79.433				79.537
EXISTING SURFACE	79.40	79.43	79.45	79.49	79.55	79.55	79.55	79.55	79.57	79.63		79.74	79.74	79.74
OFFSET	-10.050	-9.050	-8.450	-7.250	-5.730	-5.580	-5.550	-5.550	-5.100	-3.450		-0.167	0.000	0.000

Ch 40.000

2.5% 2.5% 2.5% -3.0% -3.0%

R.L. 78.500

DESIGN SURFACE		79.777	79.762	79.732	79.694	79.694	79.694	79.544	79.584	79.633				79.737
EXISTING SURFACE	79.71	79.73	79.75	79.77	79.81	79.81	79.81	79.81	79.82	79.86		79.93	79.94	79.95
OFFSET	-10.050	-9.050	-8.450	-7.250	-5.730	-5.580	-5.550	-5.550	-5.100	-3.450		-0.624	-0.066	0.000

Ch 20.000

R.L. 77.000

DESIGN SURFACE		78.304	78.289	78.259		78.221	78.221	78.071	78.111	78.161				78.264	
EXISTING SURFACE	78.62	78.60	78.60	78.59		78.57	78.57	78.57	78.56	78.55		78.52			
OFFSET	-10.050	-9.050	-8.450	-7.250		-5.730	-5.580	-5.550	-5.100	-3.450		-1.013		0.000	

Ch 160.000

R.L. 77.200

DESIGN SURFACE		78.572	78.557	78.527		78.489	78.489	78.339	78.379	78.429				78.532	
EXISTING SURFACE	78.26	78.30	78.33	78.38		78.42	78.43	78.43	78.44	78.47		78.51	78.55	78.62	
OFFSET	-10.050	-9.050	-8.450	-7.250		-6.090	-5.730	-5.580	-5.550	-5.100	-3.450		-0.805	-0.501	0.000

Ch 140.000

CONTROL LINE

R.L. 77.300

DESIGN SURFACE		78.777	78.762	78.732		78.694	78.694	78.544	78.584	78.633				78.737	
EXISTING SURFACE	78.38	78.41	78.42	78.45		78.49	78.49	78.50	78.51	78.55		78.61		78.67	
OFFSET	-10.050	-9.050	-8.450	-7.250		-5.730	-5.580	-5.550	-5.100	-3.450		-0.681		0.000	

Ch 120.000

R.L. 77.600

DESIGN SURFACE			78.977	78.932		78.894	78.894	78.744	78.784	78.833				78.937	
EXISTING SURFACE	78.63	78.65	78.65	78.70		78.75	78.75	78.75	78.76	78.81		78.89		78.88	
OFFSET	-10.050	-9.272	-9.050	-8.450		-7.250	-5.730	-5.580	-5.550	-5.100	-3.450		-0.559	0.000	

Ch 100.000

NOTE:
REFER DRG C131 FOR TYPICAL CROSS SECTIONS FOR ROAD 4 ULTIMATE SCENARIO

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
E	14.05.20	Issued for Approval	AGC	ST
D	30.01.20	Issued for Approval	SF	JH
C	25.10.19	Issued for Approval	JH	SF
B	24.07.19	Issued for Approval	LS	TM
A	14.12.18	Issued for Approval	LS	CDM

0 1 2 3 4 5m
SCALE 1:100
AT ORIGINAL SIZE (A1)

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Suite 802, Level 8, 181 Miller Street
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E info@adgce.com W www.adgce.com
BRISBANE / SYDNEY / MELBOURNE / GOLD COAST / SUNSHINE COAST / DARWIN / PERTH

Client: NLI BYRON DEVELOPMENT PTY LTD
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON
Discipline: CIVIL
Status: APPROVAL
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: 1:100

Title: ROADWORKS CROSS SECTIONS ROAD 4 INTERIM CASE
Drawing No.: C139
Revision: E

PLOT DATE: 5/14/2020 3:20 PM FILENAME: \\192.168.8.4\JOBS\18000\18540\CVL\DWG\BYRON RD\18540-C139.DWG

FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm

LEGEND

- EXISTING SURFACE CONTOURS (12.0)
- SITE BOUNDARY
- EXISTING PROPERTY BOUNDARY
- EXISTING EASEMENT BOUNDARY
- EXISTING NOMINAL KERB LINE
- EXISTING STORMWATER (SWD)
- LIMIT OF WORKS
- CATCHMENT BOUNDARY
- EX1 — CATCHMENT LABEL
- CATCHMENT FLOW DIRECTION

CATCHMENT TABLE (PRE DEVELOPMENT)	
CATCHMENT NAME	AREA (ha)
EX1	3.730
EX2	11.164
EX3	4.301

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
G	14.05.20	Issued for Approval	AGC	ST
F	01.05.20	Issued for Approval	MRB	ST
E	30.01.20	Issued for Approval	SF	JH
D	25.10.19	Issued for Approval	SF	JH
C	14.12.18	Issued for Approval	LS	CDM
B	1.06.18	Issued for Approval	JH	CDM
A	20.10.17	Issued for Approval	GC	CDM

0 25 50 75m
SCALE 1:1250
AT ORIGINAL SIZE (A1)

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Client: NLI BYRON DEVELOPMENT PTY LTD

Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON

Discipline: CIVIL
Status: APPROVAL
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: 1:500

Title: STORMWATER PRE-DEVELOPMENT QUANTITY CATCHMENT PLAN

Drawing No.: C140
Revision: G

PLOT DATE: 5/14/2020 4:51 PM FILENAME: \\192.168.8.4\JOBS\18000\18540\CIVIL\DWG\BYRON RD\18540-C140.DWG

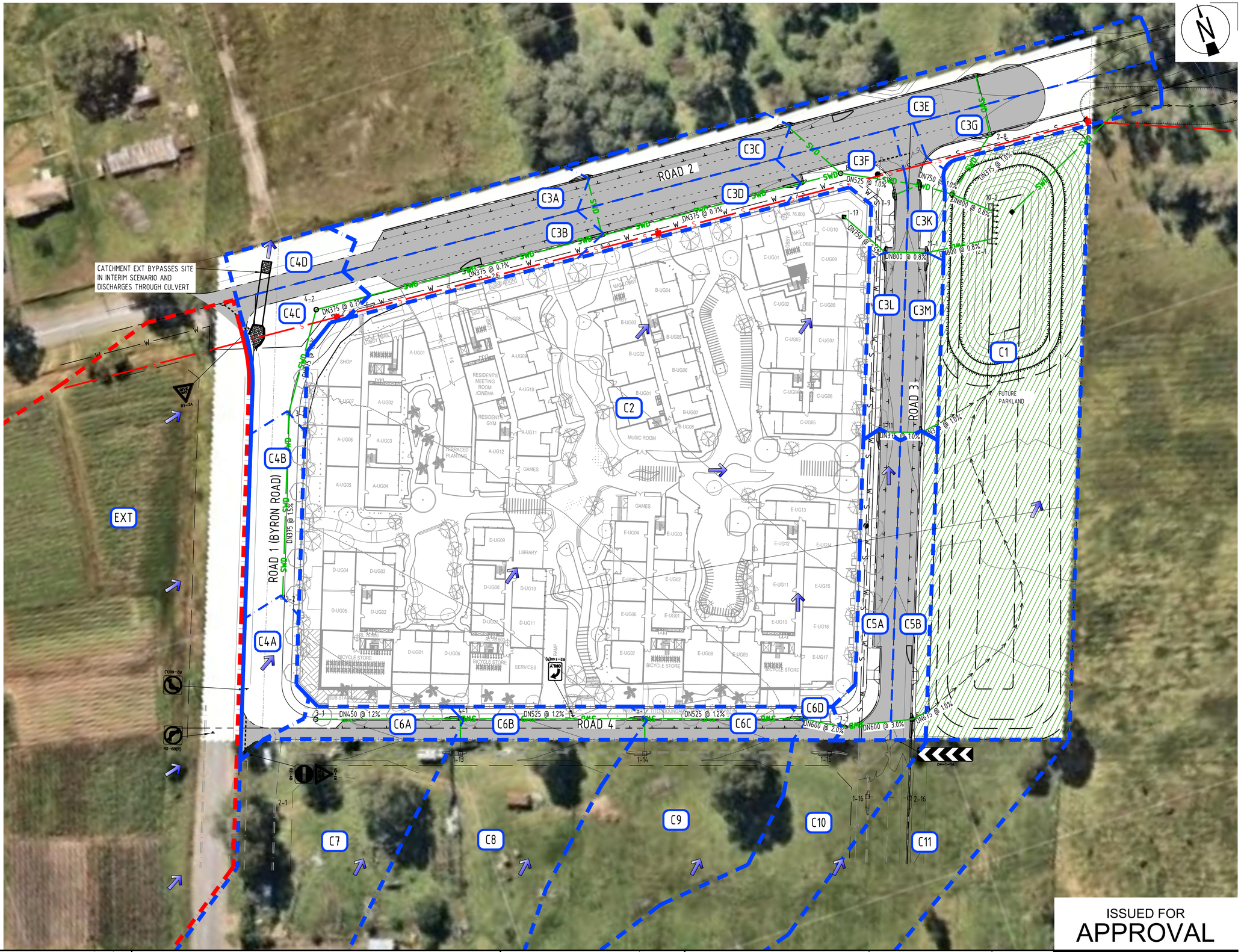
FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm

LEGEND

- EXISTING SURFACE CONTOURS (12.0)
- FINISHED SURFACE CONTOURS (12.0)
- LIMIT OF WORKS
- SITE BOUNDARY
- EXISTING PROPERTY BOUNDARY
- EXISTING EASEMENT BOUNDARY
- EXISTING NOMINAL KERB LINE
- PROPOSED NOMINAL KERB LINE
- EXISTING STORMWATER (SWD)
- PROPOSED STORMWATER DRAINAGE (SWD)
- CATCHMENT BOUNDARY
- C1 — LOT CATCHMENT LABEL
- CATCHMENT FLOW DIRECTION
- MASTER PLANNED TRUNK DRAINAGE CORRIDOR

CATCHMENT TABLE (POST DEVELOPMENT)

CATCHMENT NAME	AREA (ha)	FRACTION IMPERVIOUS
C1	0.621	0.000
C2	1.850	1.000
C3	0.707	0.80
C4	0.245	0.80
C5	0.170	0.80
C6	0.133	0.80
C7	1.184	0.191
C8	0.879	0.203
C9	0.342	0.037
C10	0.800	0.123
C11	1.013	0.146
EXT	11.276	0.034



ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
B	14.05.20	Issued for Approval	MRB	ST
A	01.05.20	Issued for Approval	MRB	ST

0 10 20 30m
SCALE 1:500
AT ORIGINAL SIZE (A1)

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Client: NLI BYRON DEVELOPMENT PTY LTD	Discipline: CIVIL		Status: APPROVAL
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON	Designed By: CM	Checked By: JN	Approved By: JH
	Project No.: 18540	Drawn By: LC	Scale at A1: 1:500

Title: STORMWATER - INTERIM CASE POST-DEVELOPMENT QUANTITY CATCHMENT PLAN SHEET 1 OF 2

Drawing No.: C141-1
Revision: B

PLOT DATE: 5/14/2020 4:54 PM FILENAME: \\192.168.5.4\JOBS\18000\18540\CVL\DWG\BYRON RD\18540-C141-1.DWG

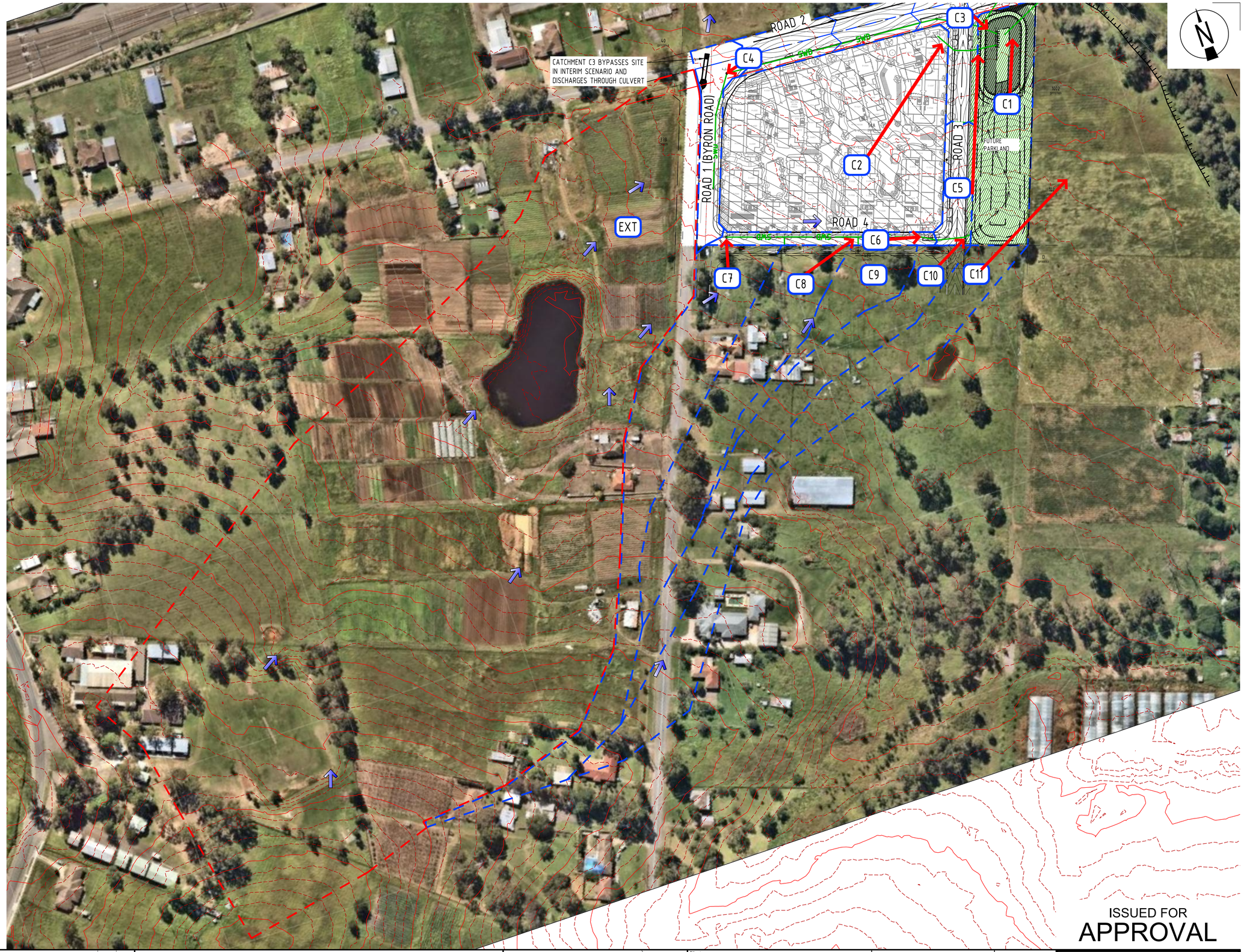
FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm

LEGEND

- 12.0 — EXISTING SURFACE CONTOURS
- 12.0 — FINISHED SURFACE CONTOURS
- LIMIT OF WORKS
- SITE BOUNDARY
- EXISTING PROPERTY BOUNDARY
- EXISTING EASEMENT BOUNDARY
- EXISTING NOMINAL KERB LINE
- PROPOSED NOMINAL KERB LINE
- SWD — EXISTING STORMWATER
- SWD — PROPOSED STORMWATER DRAINAGE
- CATCHMENT BOUNDARY
- C1 — LOT CATCHMENT LABEL
- CATCHMENT FLOW DIRECTION
- MODELLED CATCHMENT INLET
- MASTER PLANNED TRUNK DRAINAGE CORRIDOR

CATCHMENT TABLE (POST DEVELOPMENT)

CATCHMENT NAME	AREA (ha)	FRACTION IMPERVIOUS
C1	0.621	0.000
C2	1.850	1.000
C3	0.707	0.80
C4	0.245	0.80
C5	0.170	0.80
C6	0.133	0.80
C7	1.184	0.191
C8	0.879	0.203
C9	0.342	0.037
C10	0.800	0.123
C11	1.013	0.146
EXT	11.276	0.034



ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
B	14.05.20	Issued for Approval	MRB	ST
A	01.05.20	Issued for Approval	MRB	ST

0 10 20 30m
SCALE 1:500
AT ORIGINAL SIZE (A1)

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Client: NLI BYRON DEVELOPMENT PTY LTD
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON
Discipline: CIVIL
Status: APPROVAL
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: 1:1250

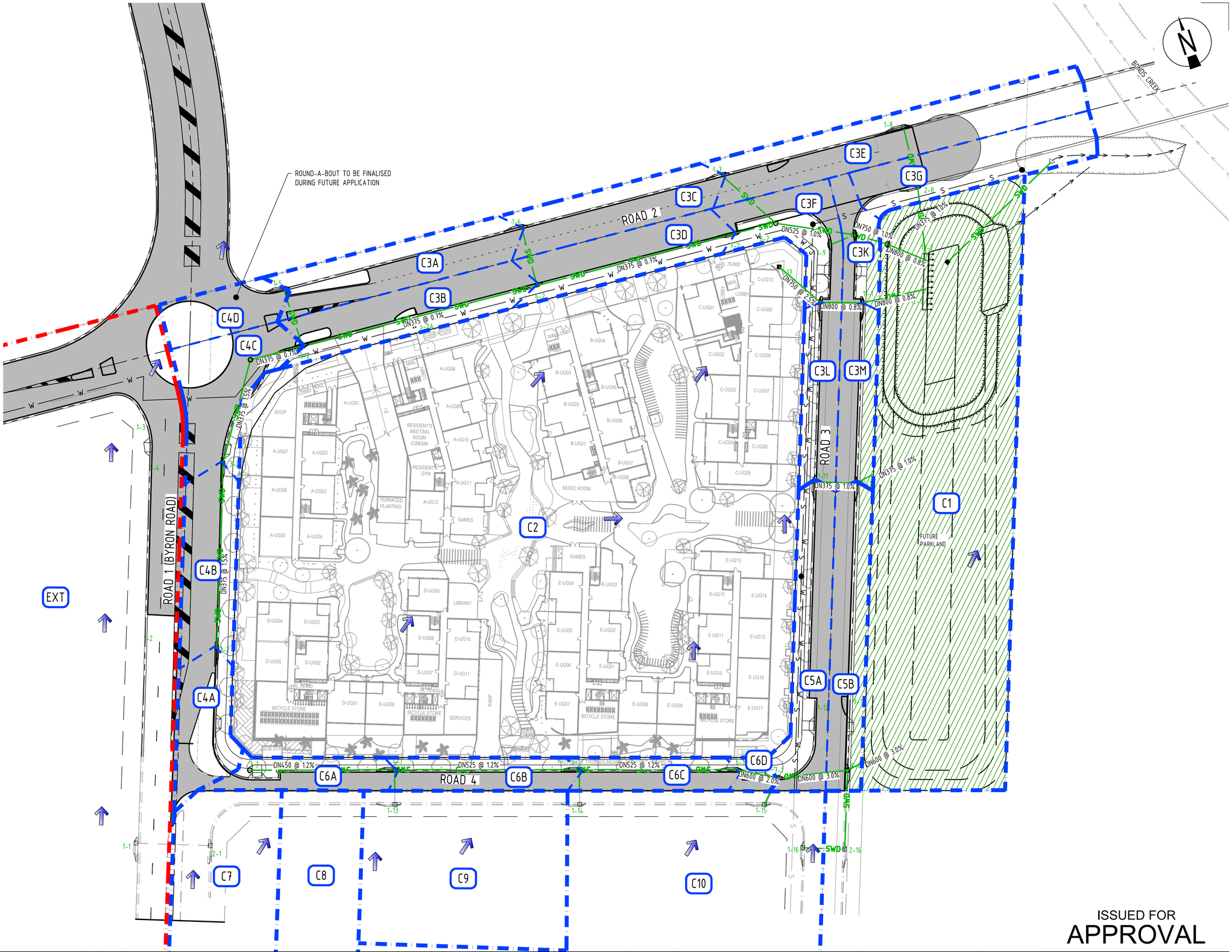
Title: STORMWATER - INTERIM CASE POST-DEVELOPMENT QUANTITY CATCHMENT PLAN SHEET 2 OF 2
Drawing No.: C141-2
Revision: B

LEGEND

- 12.0 — EXISTING SURFACE CONTOURS
- 12.0 — FINISHED SURFACE CONTOURS
- LIMIT OF WORKS
- SITE BOUNDARY
- EXISTING PROPERTY BOUNDARY
- EXISTING EASEMENT BOUNDARY
- EXISTING NOMINAL KERB LINE
- PROPOSED NOMINAL KERB LINE
- SWD — EXISTING STORMWATER
- SWD — PROPOSED STORMWATER DRAINAGE
- CATCHMENT BOUNDARY
- BYPASS CATCHMENT BOUNDARY
- C1 — LOT CATCHMENT LABEL
- CATCHMENT FLOW DIRECTION
- MASTER PLANNED TRUNK DRAINAGE CORRIDOR

CATCHMENT TABLE (POST DEVELOPMENT)

CATCHMENT NAME	AREA (ha)	FRACTION IMPERVIOUS
C1	0.623	0.00
C2	1.850	1.00
C3	0.707	0.80
C4	0.245	0.80
C5	0.170	0.80
C6	0.133	0.80
C7	0.718	0.80
C8	0.408	0.80
C9	0.236	0.80
C10	0.911	0.80
EXT (BYPASS)	21.602	0.80



ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
B	14.05.20	Issued for Approval	MRB	ST
A	01.05.20	Issued for Approval	MRB	ST

0 10 20 30m
SCALE 1:500
AT ORIGINAL SIZE (A1)

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Client: NLI BYRON DEVELOPMENT PTY LTD
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON
Discipline: CIVIL
Status: APPROVAL
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: 1:500

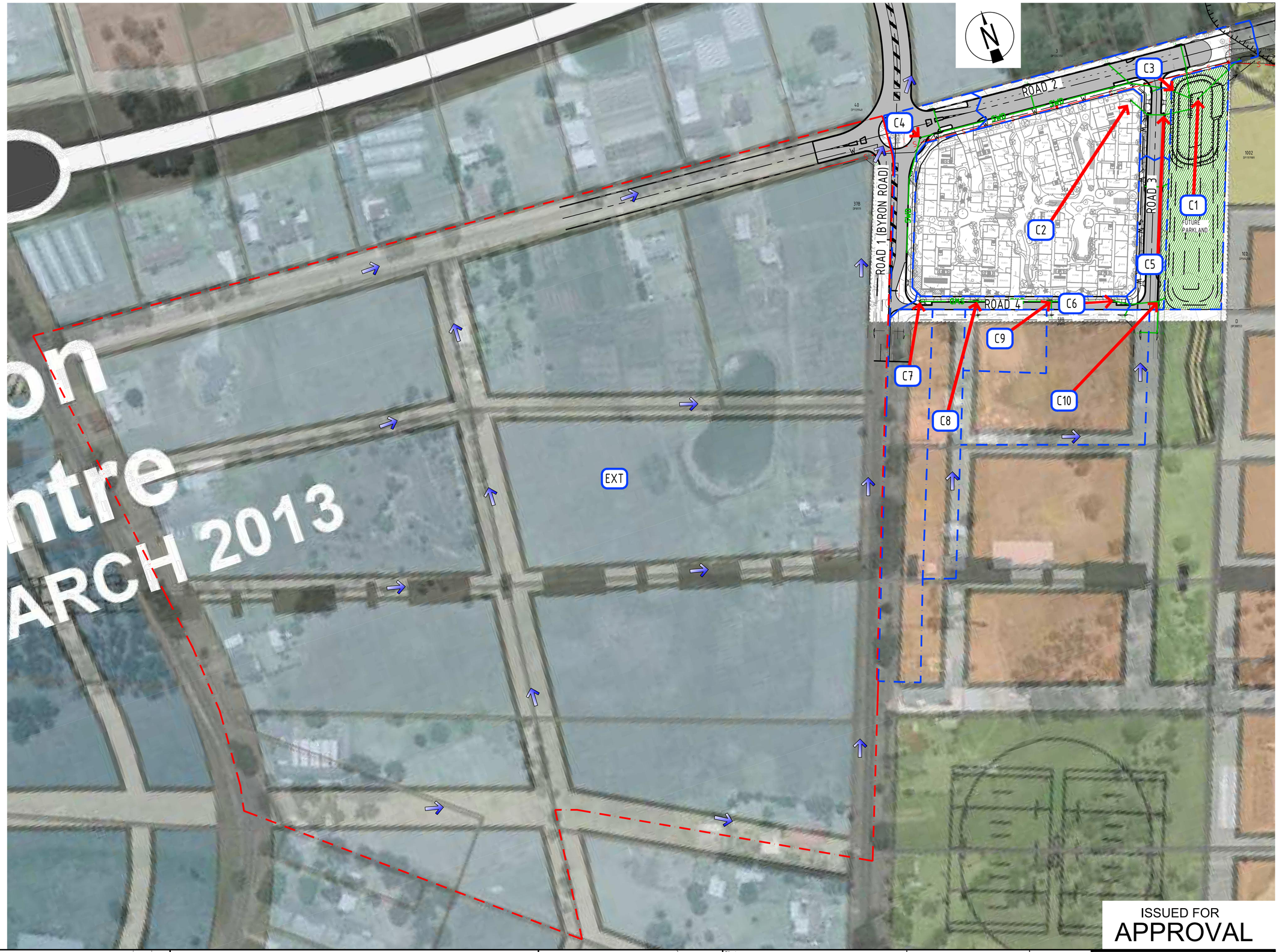
Title: STORMWATER - ULTIMATE CASE POST-DEVELOPMENT QUANTITY CATCHMENT PLAN SHEET 1 OF 2
Drawing No.: C141-3
Revision: B

LEGEND

- EXISTING SURFACE CONTOURS (12.0)
- FINISHED SURFACE CONTOURS (12.0)
- LIMIT OF WORKS
- SITE BOUNDARY
- EXISTING PROPERTY BOUNDARY
- EXISTING EASEMENT BOUNDARY
- EXISTING NOMINAL KERB LINE
- PROPOSED NOMINAL KERB LINE
- EXISTING STORMWATER (SWD)
- PROPOSED STORMWATER DRAINAGE (SWD)
- CATCHMENT BOUNDARY
- BYPASS CATCHMENT BOUNDARY
- C1 — LOT CATCHMENT LABEL
- CATCHMENT FLOW DIRECTION
- MODELLED CATCHMENT INLET
- MASTER PLANNED TRUNK DRAINAGE CORRIDOR

CATCHMENT TABLE (POST DEVELOPMENT)

CATCHMENT NAME	AREA (ha)	FRACTION IMPERVIOUS
C1	0.623	0.00
C2	1.850	1.00
C3	0.537	0.80
C4	0.325	0.80
C5	0.210	0.80
C6	0.133	0.80
C7	0.718	0.80
C8	0.408	0.80
C9	0.236	0.80
C10	0.911	0.80
EXT (BYPASS)	21.602	0.80



ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
B	14.05.20	Issued for Approval	MRB	ST
A	01.05.20	Issued for Approval	MRB	ST

0 10 20 30m
SCALE 1:500
AT ORIGINAL SIZE (A1)

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Client: NLI BYRON DEVELOPMENT PTY LTD
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON

Discipline		Status
CIVIL		APPROVAL
Designed By: CM	Checked By: JN	Approved By: JH
Project No.: 18540	Drawn By: LC	Scale at A1: 1:1250

Title: STORMWATER - ULTIMATE CASE POST-DEVELOPMENT QUANTITY CATCHMENT PLAN SHEET 2 OF 2

Drawing No.: C141-4
Revision: B

Rev	Date	Description	By	Chk
I	14.05.20	NO LONGER IN USE	AGC	ST
H	30.01.20	Issued for Approval	SF	JH
G	25.10.19	Issued for Approval	JH	AC
F	24.01.19	Issued for Approval	AP	TM
E	14.12.18	Issued for Approval	LS	CDM
D	01.06.18	Issued for Approval	JH	CDM
C	02.11.17	Issued for Approval	GC	CDM

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Client
NLI BYRON DEVELOPMENT PTY LTD

Project Name
MULTI RESIDENTIAL DEVELOPMENT
202 BYRON ROAD,
LEPPINGTON

Discipline
CIVIL

Status
NO LONGER IN USE

Designed By
CM

Checked By
JN

Approved By
JH

Project No.
18540

Drawn By
LC

Scale at A1
1:500

Title
STORMWATER POST-DEVELOPMENT
QUANTITY CATCHMENT PLAN

Drawing No.
C141

Revision
I

PLOT DATE: 5/14/2020 3:21 PM FILENAME: \\192.168.8.4\JOBS\18000\18540\CVL\DWG\BYRON RD\18540-C141.DWG

FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm

LEGEND

- EXISTING SURFACE CONTOURS (12.0)
- FINISHED SURFACE CONTOURS (12.0)
- LIMIT OF WORKS
- SITE BOUNDARY
- EXISTING PROPERTY BOUNDARY
- EXISTING EASEMENT BOUNDARY
- EXISTING NOMINAL KERB LINE
- PROPOSED NOMINAL KERB LINE
- EXISTING STORMWATER (SWD)
- PROPOSED STORMWATER DRAINAGE (SWD)
- CATCHMENT BOUNDARY
- C1 — LOT CATCHMENT LABEL
- MASTER PLANNED TRUNK DRAINAGE CORRIDOR

CATCHMENT TABLE (QUALITY)

CATCHMENT NAME	AREA (ha)	FRACTION IMPERVIOUS
R1	0.200	1.00
R2	0.249	1.00
R3	0.114	1.00
R4	0.127	1.00
R5	0.228	1.00
G1	0.946	0.70
E1	1.098	1.00

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
I	14.05.20	Issued for Approval	AGC	ST
H	30.01.20	Issued for Approval	SF	JH
G	25.10.19	Issued for Approval	JH	AC
F	24.01.19	Issued for Approval	AP	TM
E	14.12.18	Issued for Approval	LS	CDM
D	01.06.18	Issued for Approval	JH	CDM
C	02.11.17	Issued for Approval	GC	CDM

0 10 20 30m
SCALE 1:500
AT ORIGINAL SIZE (A1)

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Client: NLI BYRON DEVELOPMENT PTY LTD
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON
Discipline: CIVIL
Status: APPROVAL
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: 1:500

Title: STORMWATER QUALITY CATCHMENT PLAN
Drawing No.: C142
Revision: I

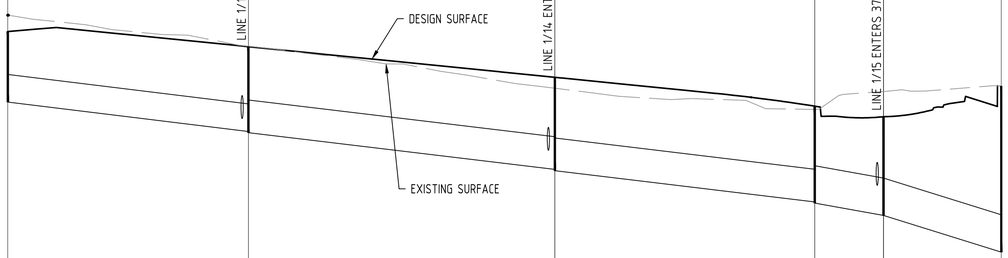
PLOT DATE: 5/14/2020 3:21 PM FILENAME: \\192.168.8.4\JOBS\18000\18540\CVL\DWG\BYRON RD\18540-C142.DWG

FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm

	3/1	4/1	5/1	6/1	7/1	8/1	1/15	7/1	1/14	5/1	1/13	4/1
PIT TYPE	JUNCTION PIT	GRATED GULLY PIT - 1.8m LINTEL (ON GRADE)	GRATED GULLY PIT - 1.8m LINTEL (ON GRADE)	GRATED GULLY PIT - 1.8m LINTEL (ON GRADE)	GRATED GULLY PIT 2.4m LINTEL (SAG)	GRATED GULLY PIT - 1.8m LINTEL (ON GRADE)	GRATED GULLY PIT 2.4m LINTEL (SAG)		GRATED GULLY PIT - 1.8m LINTEL (ON GRADE)		GRATED GULLY PIT - 1.8m LINTEL (ON GRADE)	
GRATE/LID	HEAVY DUTY GRATE AND FRAME WITH PRECAST MANHOLE COVER	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT		WELDLOK GG78-50 WITH LOCKABLE "J" BOLT		WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	
PIT SIZE	650x900	900x900	900x900	900x900	900x900	900x900	650x900		650x900		650x900	
DATUM RL 74.45							RL 75.54		RL 76.11		RL 76.63	
DIAMETER (mm) CLASS	450Ø Class 3 RRJ	525Ø Class 3 RRJ	525Ø Class 3 RRJ	600Ø Class 3 RRJ	600Ø Class 3 RRJ		375Ø Class 3 RRJ		375Ø Class 3 RRJ		375Ø Class 3 RRJ	
SLOPE/GRADE	1.22% 1:81.83	1.20% 1:83.34	1.20% 1:83.24	1.78% 1:56.08	3.12% 1:32.01		1.00% 1:99.97		1.06% 1:93.92		1.07% 1:93.83	
DEPTH (m)	1.151 1.384	1.404 1.504	1.524 1.563	1.583 1.611	2.711		1.038 1.121		1.027 1.194		1.006 1.174	
INVERT LEVEL (m)	78.400 77.920	77.900 77.300	77.280 76.770	76.750 76.550	75.950		77.120 77.040		77.710 77.610		78.230 78.130	
TOP OF PIT LEVEL	79.551 79.304	78.804	78.333	78.161	78.661		78.158 78.161		78.737 78.804		79.236 79.304	
FINAL SURFACE LEVEL	79.551 79.304	78.804	78.333	78.161	78.661		78.158 78.161		78.737 78.804		79.236 79.304	
ROAD CHAINAGE												
CHAINAGE	0.000 39.278 39.278	50.004 89.282	42.451 131.733	11.216 142.949	19.207 162.156		0.000 7.998 7.998		0.000 9.392 9.392		0.000 9.383 9.383	
LINE 1		1					15		14		13	

NOTE

ALL HEADWALLS, APPRONS AND OUTLET PROTECTION WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL GOVERNMENT AND AUSTRALIAN STANDARDS.



ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
I	22.05.20	Issued for Approval	AGC	ST
H	14.05.20	NO LONGER IN USE	AGC	ST
G	30.01.20	Issued for Approval	SF	JH
F	24.01.19	Issued for Approval	AP	TM
E	14.12.18	Issued for Approval	LS	CDM
D	01.06.18	Issued for Approval	GC	CDM
C	02.11.17	Issued for Approval	GC	CDM

SCALE 1:50 VERTICAL
0 1 2 3m
0 10 20 30m
SCALE 1:500 HORIZONTAL
AT ORIGINAL SIZE (A1)

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BRISBANE / SYDNEY / MELBOURNE / GOLD COAST / SUNSHINE COAST / DARWIN / PERTH

Client: NLI BYRON DEVELOPMENT PTY LTD

Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON

Discipline: CIVIL

Status: APPROVAL

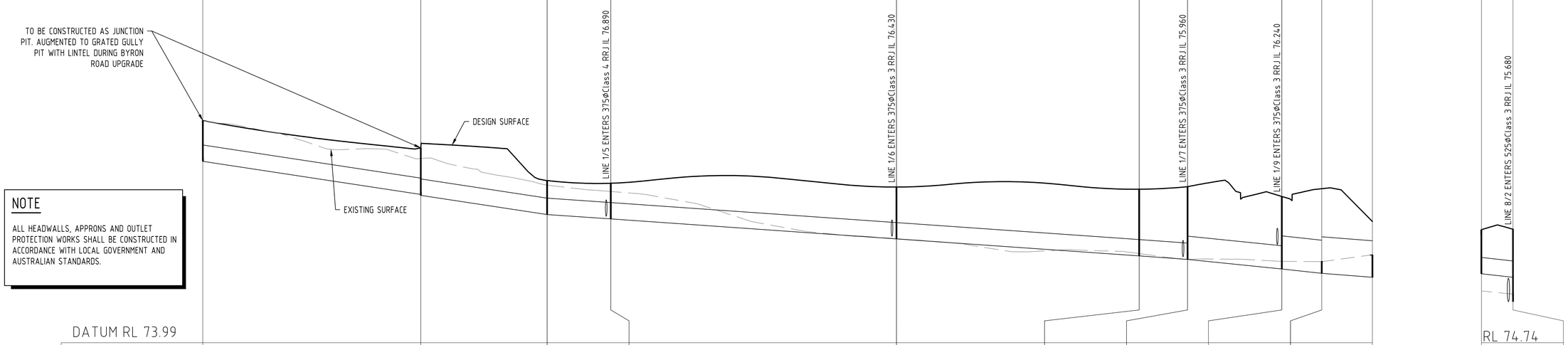
Designed By: CM | Checked By: JN | Approved By: JH

Project No.: 18540 | Drawn By: LC | Scale at A1: AS SHOWN

Title: STORMWATER LONGITUDINAL SECTIONS SHEET 1 OF 3

Drawing No.: C143 | Revision: I

	2/2	3/2	4/2	5/2	6/2	7/2	8/2	2/9	9/2	10/2	1/9	2/9
PIT TYPE	GRATED GULLY PIT - 1.8m LINTEL (ON GRADE)	GRATED GULLY PIT - 1.8m LINTEL (ON GRADE)	JUNCTION PIT	GRATED GULLY PIT - 2.4m LINTEL (SAG)	GRATED GULLY PIT - 2.4m LINTEL (SAG)	GRATED GULLY PIT - 2.4m LINTEL (SAG)	JUNCTION PIT	GRATED GULLY PIT - 2.4m LINTEL (SAG)	JUNCTION PIT	DISCHARGE CONTROL OUTLET	GRATED GULLY PIT - 2.4m LINTEL (SAG)	
GRATE/LID	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	HEAVY DUTY GRATE AND FRAME WITH PRECAST MANHOLE COVER	WELDLOK GG78-50 WITH LOCKABLE "J"- BOLT	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	HEAVY DUTY GRATE AND FRAME WITH PRECAST MANHOLE COVER	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	HEAVY DUTY GRATE AND FRAME WITH PRECAST MANHOLE COVER		WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	
PIT SIZE	650x900	650x900	650x900	650x900	650x900	900x900	900x900	900x900	1050x900		650x900	



NOTE

ALL HEADWALLS, APPRONS AND OUTLET PROTECTION WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL GOVERNMENT AND AUSTRALIAN STANDARDS.

DATUM RL 73.99

RL 74.74

DIAMETER (mm) CLASS	375Ø Class 3 RRJ	375Ø Class 4 RRJ	375Ø Class 4 RRJ	375Ø Class 4 RRJ	375Ø Class 3 RRJ	375Ø Class 3 RRJ	525Ø Class 3 RRJ	750Ø Class 3 RRJ	825Ø Class 3 RRJ		375Ø Class 3 RRJ
SLOPE/GRADE	1.52% 1:65.79	1.52% 1:65.90	0.68% 1:146.05	0.70% 1:142.52	0.70% 1:142.77	0.72% 1:138.82	1.02% 1:98.34	1.09% 1:91.59	0.77% 1:129.19		1.10% 1:90.51
DEPTH (m)	0.935 / 1.068	1.088 / 0.775	0.817	1.191	1.530	1.669	1.664	0.272	0.515		1.012 / 1.104
INVERT LEVEL (m)	78.150 / 77.390	77.370 / 76.930	76.830	76.370	75.980	75.900	75.680	75.580	75.490		76.320 / 76.240
TOP OF PIT LEVEL	79.085 / 78.458	77.705	77.647	77.561	77.510	77.569	77.344	75.852	76.005		77.332 / 77.344
FINAL SURFACE LEVEL	79.085 / 78.458	77.705	77.647	77.561	77.510	77.569	77.344	75.852	76.005		77.332 / 77.344
ROAD CHAINAGE											
CHAINAGE	0.000 / 50.000 / 50.000	28.994 / 78.994	14.605 / 93.599	65.559 / 159.158	55.680 / 214.838	11.106 / 225.944	21.635 / 247.579	9.159 / 256.738	11.627 / 268.365		0.000 / 7.241 / 7.241

LINE 2 — 2 — 9

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
H	22.05.20	Issued for Approval	AGC	ST
G	14.05.20	NO LONGER IN USE	AGC	ST
F	30.01.20	Issued for Approval	SF	JH
E	24.01.19	Issued for Approval	AP	TM
D	14.12.18	Issued for Approval	LS	CDM
C	01.06.18	Issued for Approval	GC	CDM
B	27.10.17	Issued for Approval	GC	CDM

SCALE 1:50 VERTICAL
0 1 2 3m
0 10 20 30m
SCALE 1:500 HORIZONTAL
AT ORIGINAL SIZE (A1)

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Client: NLI BYRON DEVELOPMENT PTY LTD
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON
Discipline: CIVIL
Status: APPROVAL
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: AS SHOWN

Title: STORMWATER LONGITUDINAL SECTIONS SHEET 2 OF 3
Drawing No.: C144
Revision: H

NOTE

ALL HEADWALLS, APPRONS AND OUTLET PROTECTION WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL GOVERNMENT AND AUSTRALIAN STANDARDS.

	1/7 – 8/2	1/6 – 6/2	1/5 – 5/2	1/8 – 2/8	2/8 – 9/2	1/11 – 10/1	1/17 – 2/17	2/17 – 11/1	11/1 – 12/1
PIT TYPE	GRATED GULLY PIT 2.4m LINTEL (SAG)	GRATED GULLY PIT - 2.4m LINTEL (SAG)	GRATED GULLY PIT - 2.4m LINTEL (SAG)	GRATED GULLY PIT - 1.8m LINTEL (ON GRADE)	GRATED GULLY PIT - 1.8m LINTEL (ON GRADE)	GRATED GULLY PIT - 1.8m LINTEL (ON GRADE)	PROPERTY LAWFUL POINT OF DISCHARGE	GRATED GULLY PIT - 1.8m LINTEL (ON GRADE)	GRATED GULLY PIT - 1.8m LINTEL (ON GRADE)	DISCHARGE CONTROL OUTLET
GRATE/LID	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	WELDLOK GG78-50 WITH LOCKABLE BOLT	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	WELDLOK GG78-50 WITH LOCKABLE "J" BOLT	
PIT SIZE	900x900	650x900	650x900	650x900	650x900	650x900	1050x900	1050x900	
	LINE 7/2 ENTERS 375ØClass 3 RRJ IL 75.900	LINE 5/2 ENTERS 375ØClass 3 RRJ IL 76.370	LINE 4/2 ENTERS 375ØClass 4 RRJ IL 76.830	DESIGN SURFACE / EXISTING SURFACE					
DATUM RL	74.46	RL 74.93	RL 75.39	DATUM RL 74.00		DATUM RL 74.73	DATUM RL 73.95		
DIAMETER (mm) CLASS	375Ø Class 3 RRJ	375Ø Class 3 RRJ	375Ø Class 4 RRJ	375Ø Class 3 RRJ	375Ø Class 3 RRJ	375Ø Class 3 RRJ	750Ø Class 3 RRJ	825Ø Class 3 RRJ	825Ø Class 3 RRJ
SLOPE/GRADE	1.00% 1:100.06	1.04% 1:96.23	0.73% 1:136.23	1.04% 1:95.90	3.52% 1:28.44	1.05% 1:94.88	2.51% 1:39.81	0.79% 1:126.78	0.81% 1:124.13
DEPTH (m)	1.356 / 1.609	0.960 / 1.131	0.635 / 0.757	1.104 / 1.277	1.307 / 0.471	1.165 / 1.285	1.531 / 1.842 / 1.779	0.680	
INVERT LEVEL (m)	76.160 / 75.960	76.600 / 76.430	77.010 / 76.890	76.350 / 76.180	76.150 / 75.500	76.350 / 76.230	76.050 / 75.680 / 75.590	75.450	
TOP OF PIT LEVEL	77.516 / 77.569	77.560 / 77.561	77.645 / 77.647	77.454 / 77.457	75.971	77.515 / 77.515	77.581 / 77.522 / 77.369	76.130	
FINAL SURFACE LEVEL	77.516 / 77.569	77.560 / 77.561	77.645 / 77.647	77.454 / 77.457	75.971	77.515 / 77.515	77.581 / 77.522 / 77.369	76.130	
ROAD CHAINAGE									
CHAINAGE	0.000 / 20.011 / 20.011	0.000 / 16.359 / 16.359	0.000 / 16.347 / 16.347	0.000 / 16.303 / 16.303	18.487 / 34.790	0.000 / 11.385 / 11.385	0.000 / 14.729 / 14.729	11.410 / 26.140	17.379 / 43.518
	LINE 5-7	7	6	5	LINE 8	8	LINE 11	1	LINE 17 / 1

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
H	22.05.20	Issued for Approval	AGC	ST
G	14.05.20	NO LONGER IN USE	AGC	ST
F	30.01.20	Issued for Approval	SF	JH
E	24.01.19	Issued for Approval	AP	TM
D	14.12.18	Issued for Approval	LS	CDM
C	01.06.18	Issued for Approval	GC	CDM
B	27.10.17	Issued for Approval	GC	CDM

SCALE 1:50 VERTICAL
0 1 2 3m
0 10 20 30m
SCALE 1:500 HORIZONTAL
AT ORIGINAL SIZE (A1)

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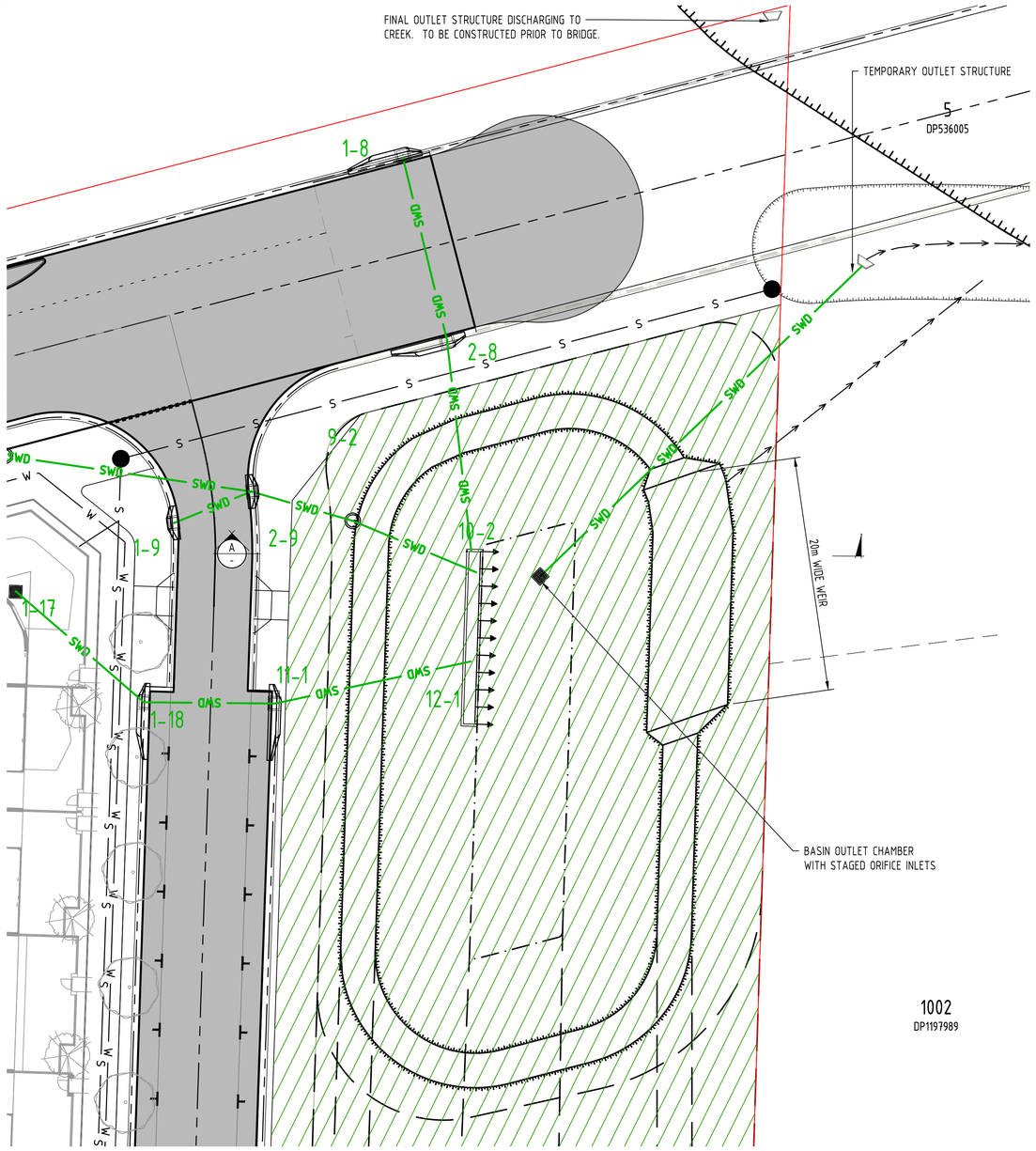
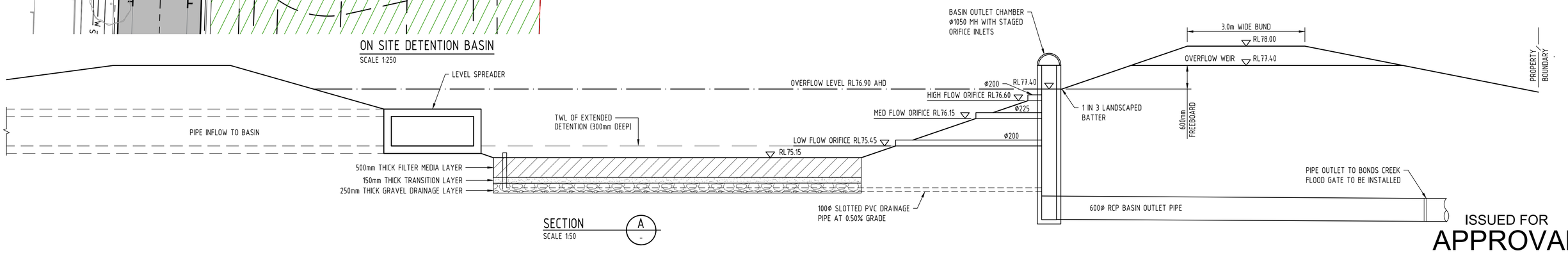
Client: NLI BYRON DEVELOPMENT PTY LTD
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON
Discipline: CIVIL
Status: APPROVAL
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: AS SHOWN

Title: STORMWATER LONGITUDINAL SECTIONS SHEET 3 OF 3
Drawing No.: C145
Revision: H



ON SITE DETENTION BASIN

SCALE 1:250



SECTION A

SCALE 1:50

LEGEND

- EXISTING SURFACE CONTOURS (12.0)
- FINISHED SURFACE CONTOURS (12.0)
- LIMIT OF WORKS
- SITE BOUNDARY
- EXISTING PROPERTY BOUNDARY
- EXISTING EASEMENT BOUNDARY
- EXISTING NOMINAL KERB LINE
- PROPOSED NOMINAL KERB LINE

ISSUED FOR APPROVAL

Rev	Date	Description	By	Chk
B	14.05.20	Issued for Approval	AGC	ST
A	30.01.20	Issued for Approval	SF	JH

0 1 2 3m
SCALE 1:50
AT ORIGINAL SIZE (A1)

0 5 10 15m
SCALE 1:250
AT ORIGINAL SIZE (A1)

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Client: NLI BYRON DEVELOPMENT PTY LTD	Discipline: CIVIL		Status: APPROVAL
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON	Designed By: CM	Checked By: JN	Approved By: JH
	Project No.: 18540	Drawn By: LC	Scale at A1: 1:250

Title: ON SITE DETENTION BASIN DETAILS - INTERIM CASE

Drawing No.: C148

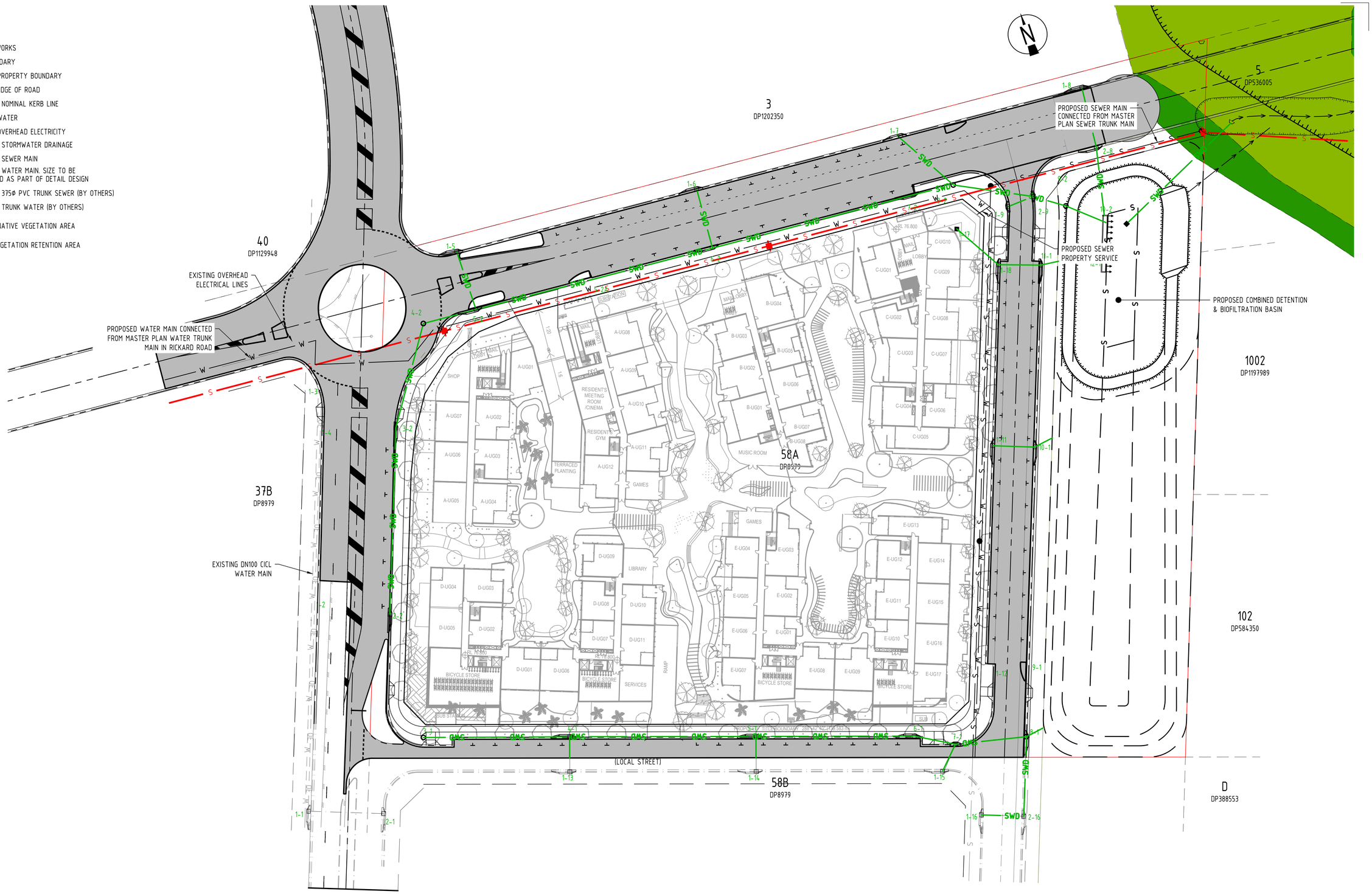
Revision: B

PLOT DATE: 5/14/2020 3:22 PM FILENAME: \\192.168.8.4\JOBS\18000\18540\CVL\DWG\BYRON RD\18540-C148.DWG

FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm

LEGEND

- LIMIT OF WORKS
- SITE BOUNDARY
- EXISTING PROPERTY BOUNDARY
- EXISTING EDGE OF ROAD
- PROPOSED NOMINAL KERB LINE
- W — EXISTING WATER
- OE — EXISTING OVERHEAD ELECTRICITY
- SWD — PROPOSED STORMWATER DRAINAGE
- S — PROPOSED SEWER MAIN
- W — PROPOSED WATER MAIN. SIZE TO BE DETERMINED AS PART OF DETAIL DESIGN
- S — PROPOSED 375ø PVC TRUNK SEWER (BY OTHERS)
- W — PROPOSED TRUNK WATER (BY OTHERS)
- EXISTING NATIVE VEGETATION AREA
- NATIVE VEGETATION RETENTION AREA



ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
J	14.05.20	Issued for Approval	AGC	ST
I	20.30.20	Issued for Approval	LS	CDM
H	30.01.20	Issued for Approval	SF	JH
G	25.10.19	Issued for Approval	JH	AC
F	14.12.18	Issued for Approval	LS	CDM
E	01.06.18	Issued for Approval	JH	CDM
D	02.11.17	Issued for Approval	GC	CDM

0 10 20 30m
SCALE 1:500
AT ORIGINAL SIZE (A1)

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Client: NLI BYRON DEVELOPMENT PTY LTD

Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON

Discipline: CIVIL

Status: APPROVAL

Designed By	Checked By	Approved By
CM	JN	JH
Project No.	**Drawn By**	**Scale at A1**
18540	LC	1:500

Do not scale drawings. If in doubt, ask!

Title: OVERALL SERVICES LAYOUT PLAN ULTIMATE CASE

Drawing No.: C150

Revision: J

Rev	Date	Description	By	Chk
C	14.05.20	NO LONGER IN USE	AGC	ST
B	30.01.20	Issued for Approval	SF	JH
A	25.10.10	Issued for Approval	JH	AC

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BRISBANE / SYDNEY / MELBOURNE / GOLD COAST / SUNSHINE COAST / DARWIN / PERTH

Client: NLI BYRON DEVELOPMENT PTY LTD

Project Name: MULTI RESIDENTIAL DEVELOPMENT
202 BYRON ROAD,
LEPPINGTON

Discipline: CIVIL

Status: NO LONGER IN USE

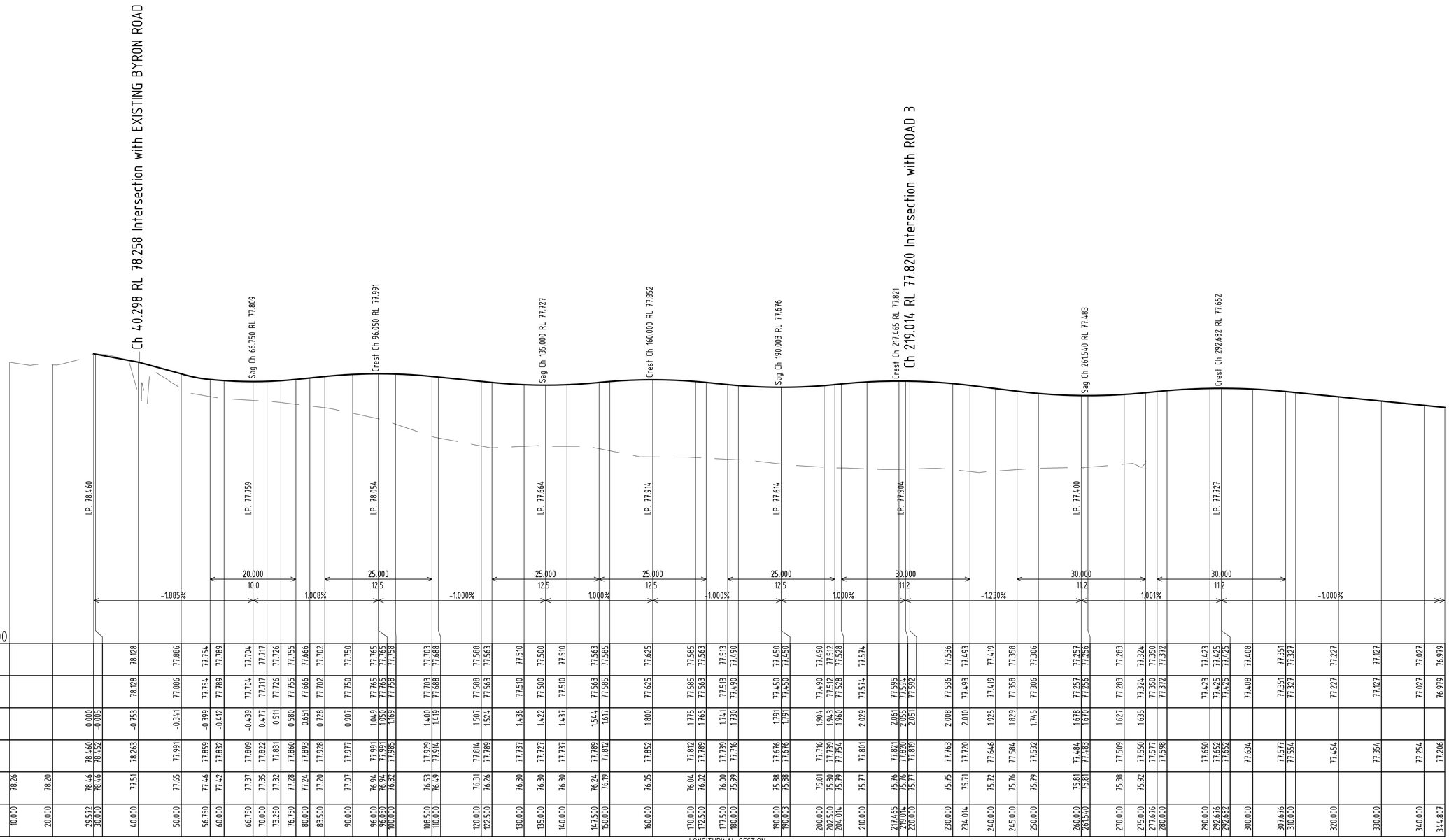
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: AS SHOWN

Title: ROADWORKS & DRAINAGE
LAYOUT PLAN
INTERIM SCENARIO

Drawing No.: C160
Revision: C

PLOT DATE: 5/14/2020 3:22 PM FILENAME: \\192.168.8.4\JOBS\18000\18540\CVL\DWG\BYRON RD\18540-C160.DWG

FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm



CHAINAGE	EXISTING SURFACE	DESIGN SURFACE	Centreline Cut/Fill	LEFT EDGE	RIGHT EDGE
10.000	78.26				
20.000	78.20				
29.572	78.46	78.460	0.000		
30.000	78.46	78.452	-0.005		
40.000	77.51	78.263	-0.753	78.128	78.128
50.000	77.65	77.991	-0.341	77.886	77.886
56.750	77.46	77.859	-0.399	77.754	77.754
60.000	77.42	77.832	-0.412	77.789	77.789
66.750	77.37	77.809	-0.439	77.704	77.704
70.000	77.35	77.822	0.477	77.717	77.717
73.250	77.32	77.831	0.511	77.726	77.726
76.750	77.28	77.860	0.580	77.755	77.755
80.000	77.24	77.893	0.651	77.666	77.666
83.500	77.20	77.928	0.728	77.702	77.702
90.000	77.07	77.977	0.907	77.750	77.750
96.000	76.94	77.991	1.049	77.765	77.765
96.995	76.94	77.991	1.049	77.765	77.765
100.000	76.82	77.985	1.069	77.758	77.758
108.500	76.53	77.929	1.400	77.703	77.703
110.000	76.49	77.914	1.419	77.688	77.688
120.000	76.31	77.814	1.507	77.588	77.588
122.500	76.26	77.789	1.524	77.563	77.563
130.000	76.30	77.737	1.436	77.510	77.510
135.000	76.30	77.727	1.422	77.500	77.500
140.000	76.30	77.737	1.437	77.510	77.510
147.500	76.24	77.789	1.544	77.563	77.563
150.000	76.19	77.812	1.617	77.585	77.585
160.000	76.05	77.852	1.800	77.625	77.625
170.000	76.04	77.812	1.775	77.585	77.585
172.500	76.02	77.789	1.765	77.563	77.563
177.500	76.00	77.739	1.741	77.513	77.513
180.000	75.99	77.716	1.730	77.490	77.490
190.000	75.88	77.676	1.791	77.450	77.450
190.003	75.88	77.676	1.791	77.450	77.450
200.000	75.81	77.716	1.904	77.490	77.490
202.500	75.80	77.739	1.943	77.512	77.512
204.014	75.79	77.754	1.960	77.528	77.528
210.000	75.77	77.801	2.029	77.574	77.574
217.465	75.76	77.821	2.061	77.595	
219.014	75.76	77.820	2.055	77.594	
220.000	75.77	77.819	2.051	77.592	
230.000	75.75	77.763	2.008	77.536	77.536
234.014	75.71	77.720	2.010	77.493	77.493
240.000	75.72	77.646	1.925	77.419	77.419
245.000	75.76	77.584	1.829	77.358	77.358
250.000	75.79	77.532	1.745	77.306	77.306
260.000	75.81	77.484	1.638	77.257	77.257
261.540	75.81	77.483	1.670	77.256	77.256
270.000	75.88	77.509	1.627	77.283	77.283
275.000	75.92	77.550	1.635	77.324	77.324
277.676		77.577		77.350	77.350
280.000		77.598		77.372	77.372
290.000		77.650		77.423	77.423
292.676		77.652		77.425	77.425
292.682		77.652		77.425	77.425
300.000		77.634		77.408	77.408
307.676		77.577		77.351	77.351
310.000		77.554		77.327	77.327
320.000		77.454		77.227	77.227
330.000		77.354		77.127	77.127
340.000		77.254		77.027	77.027
344.807		77.206		76.979	76.979

LONGITUDINAL SECTION
ROAD 2 Ch 10.000 to Ch 344.807
SCALES: HORIZONTAL 1:500 VERTICAL 1:50

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
D	14.05.20	Issued for Approval	AGC	ST
C	15.04.20	Issued for Approval	LS	CDM
B	30.01.20	Issued for Approval	SF	JH
A	25.10.19	Issued for Approval	JH	AC

SCALE 1:50 VERTICAL
0 1 2 3m
0 10 20 30m
SCALE 1:500 HORIZONTAL
AT ORIGINAL SIZE (A1)

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BRISBANE / SYDNEY / MELBOURNE / GOLD COAST / SUNSHINE COAST / DARWIN / PERTH

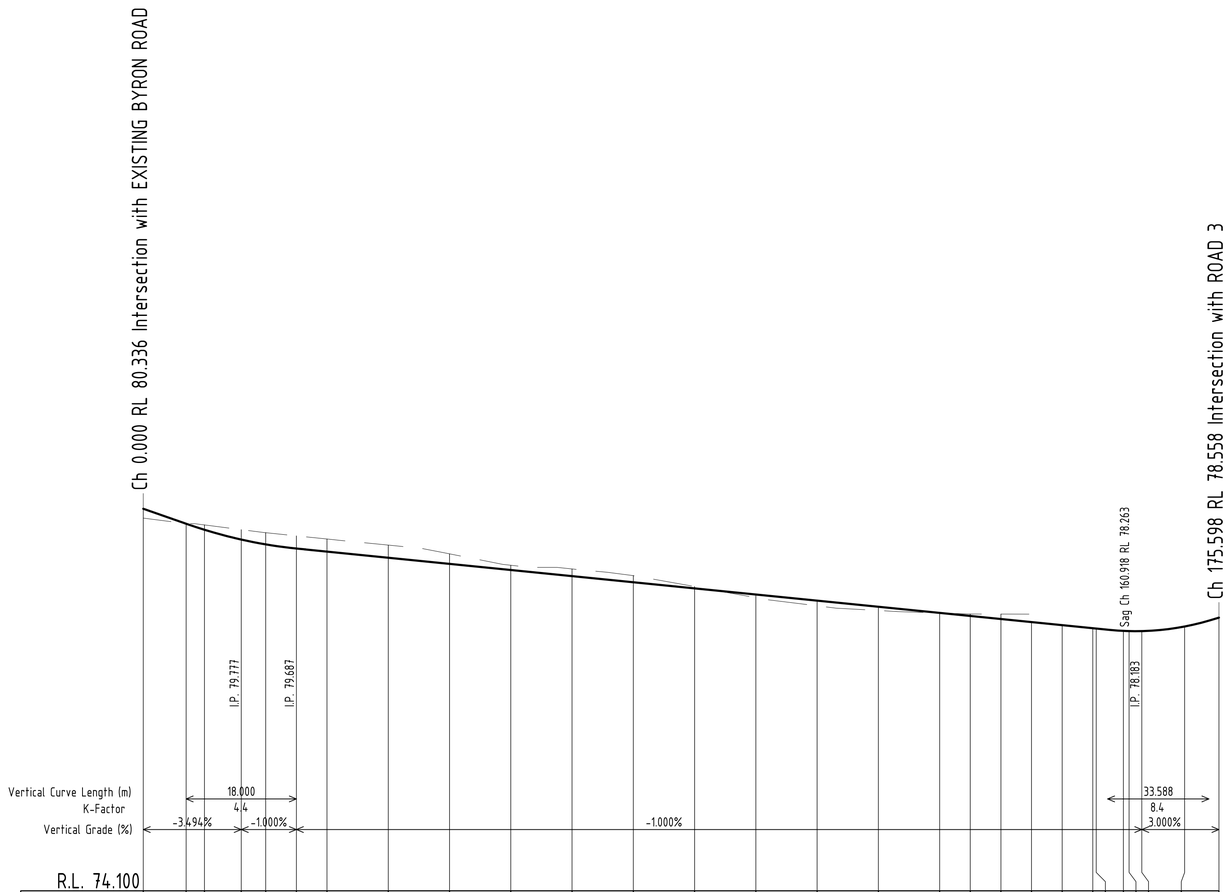
Client: NLI BYRON DEVELOPMENT PTY LTD

Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON

Discipline: CIVIL
Status: APPROVAL
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: AS SHOWN

Title: ROADWORKS LONGITUDINAL SECTION ROAD 2 - TOWN CENTRE ROAD INTERIM CASE

Drawing No.: C165
Revision: D



R.L. 74.100

CHAINAGE	RIGHT EDGE	LEFT EDGE	Centreline Cut/Fill	DESIGN SURFACE	EXISTING SURFACE
0.000			0.153	80.336	80.18
7.000	79.938	79.938	-0.011	80.091	80.10
10.000	79.840	79.840	-0.079	79.993	80.07
16.000	79.680	79.680	-0.162	79.833	80.00
20.000	79.601	79.601	-0.191	79.754	79.95
25.000	79.534	79.534	-0.207	79.687	79.89
30.000	79.484	79.484	-0.205	79.637	79.84
40.000	79.384	79.384	-0.206	79.537	79.74
50.000	79.284	79.284	-0.163	79.437	79.60
60.000	79.184	79.184	-0.077	79.337	79.41
70.000	79.084	79.084	-0.117	79.237	79.35
80.000	78.984	78.984		79.137	79.24
90.000	78.884	78.884		79.037	79.07
100.000	78.784	78.784	0.052	78.937	78.88
110.000	78.684	78.684	0.085	78.837	78.75
120.000	78.584	78.584		78.737	78.67
130.000	78.484	78.484	0.003	78.637	78.63
135.000	78.434	78.434	-0.031	78.587	78.62
140.000	78.380	78.380	-0.084	78.533	78.62
145.000	78.317	78.317		78.470	
150.000	78.245	78.245		78.398	
155.000	78.165	78.165		78.318	
155.556	78.155	78.155		78.308	
160.000	78.111	78.111		78.264	
160.923	78.110	78.110		78.263	
163.000	78.117	78.117		78.270	
170.000	78.240	78.240		78.393	
175.598				78.558	

LONGITUDINAL SECTION
ROAD 4 Ch 0.000 to Ch 175.598
SCALES: HORIZONTAL 1:500 VERTICAL 1:50

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
C	14.05.20	Issued for Approval	AGC	ST
B	30.01.20	Issued for Approval	SF	JH
A	25.10.19	Issued for Approval	JH	SF

SCALE 1:50 VERTICAL
0 1 2 3m
0 10 20 30m
SCALE 1:500 HORIZONTAL
AT ORIGINAL SIZE (A1)

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E info@adgce.com W www.adgce.com
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Client: NLI BYRON DEVELOPMENT PTY LTD
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON
Discipline: CIVIL
Status: APPROVAL
Designed By: CM
Checked By: JN
Approved By: JH
Project No.: 18540
Drawn By: LC
Scale at A1: AS SHOWN

Do not scale drawings. If in doubt, ask!

Title: ROADWORKS LONGITUDINAL SECTION
ROAD 4
INTERIM CASE

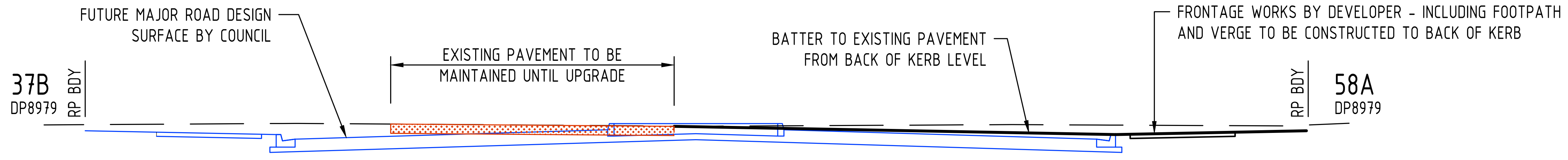
Drawing No.: C166
Revision: C

LEGEND

▨ EXISTING PAVEMENT TO BE MAINTAINED UNTIL UPGRADE

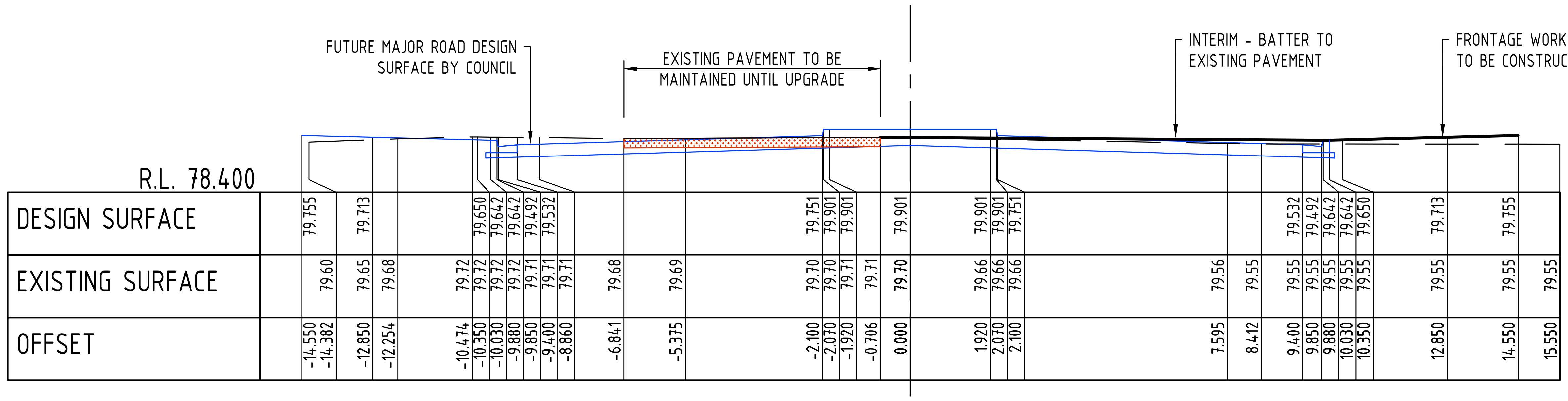
— INTERIM SURFACE PROFILE

— ULTIMATE SURFACE PROFILE

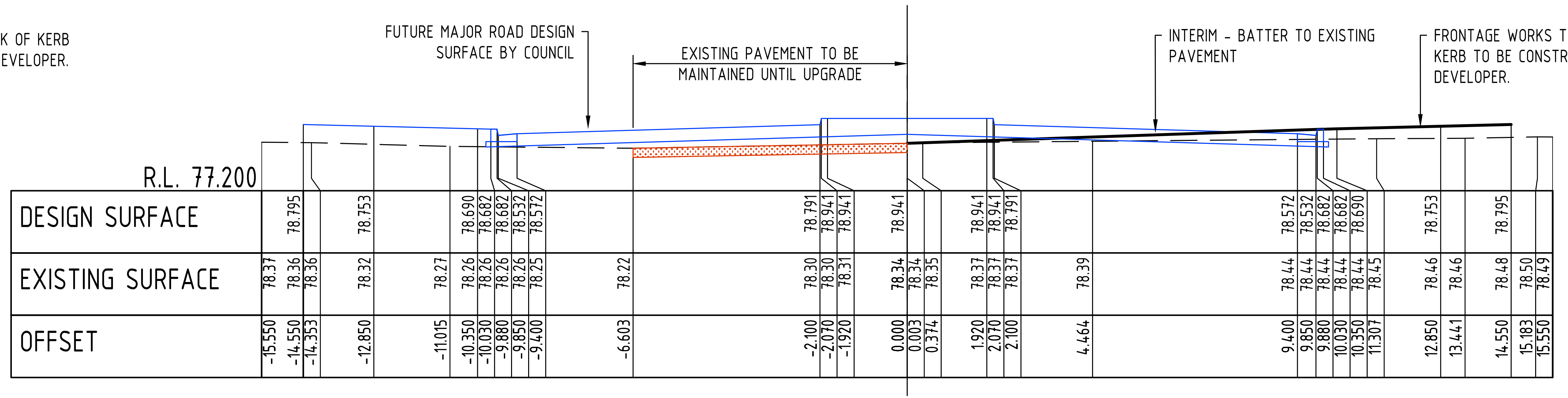


29.1m ROAD RESERVE (BYRON ROAD)
ROAD 1 - TYPICAL SECTION
INTERIM SCENARIO

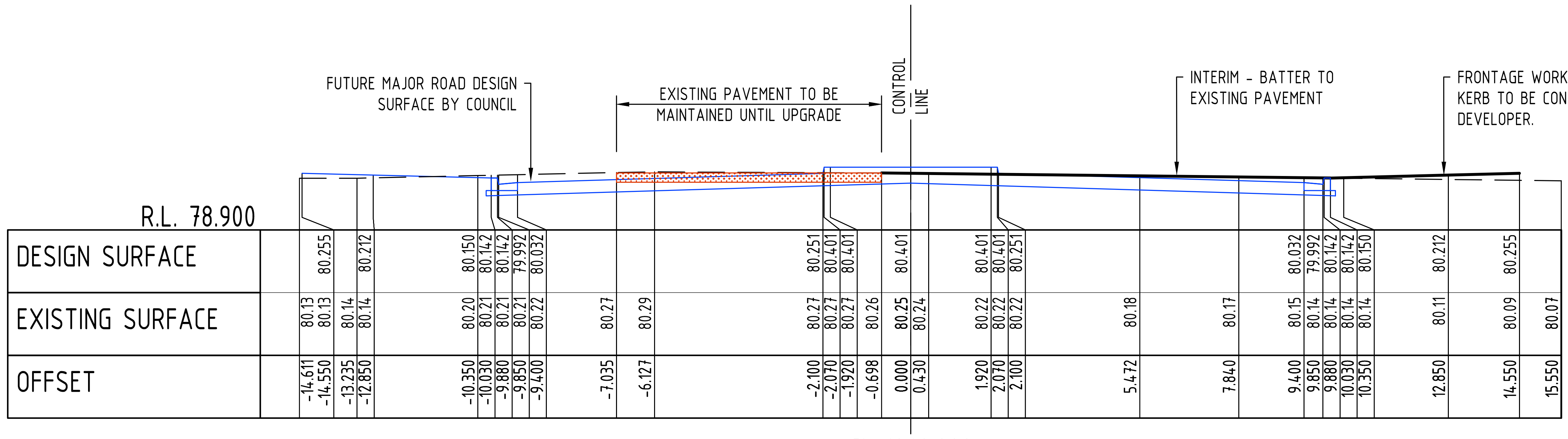
SCALE 1:50



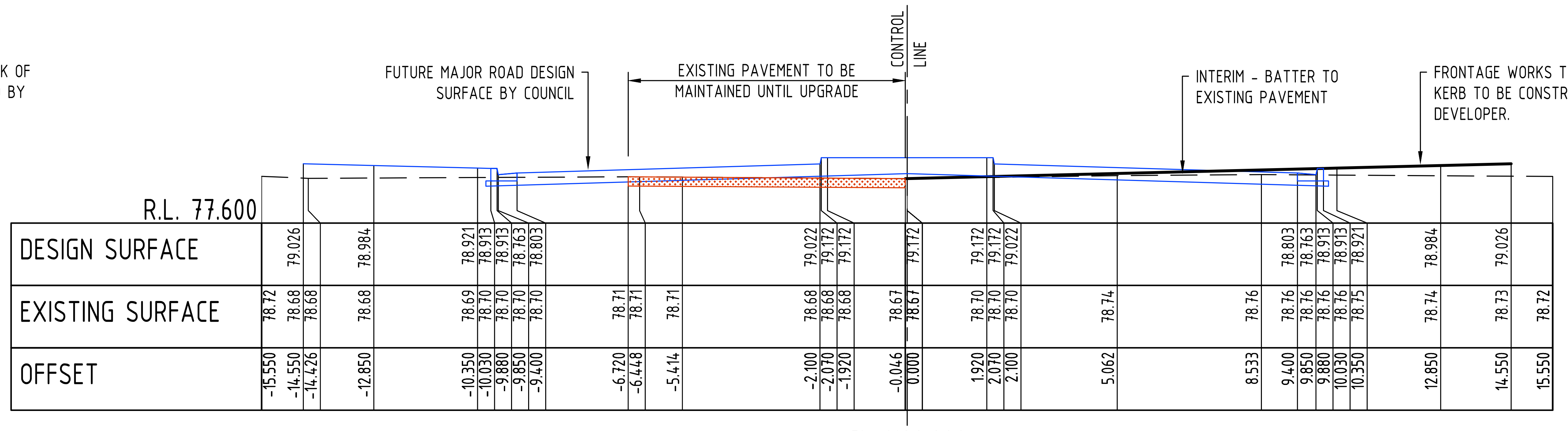
Ch 1080.000



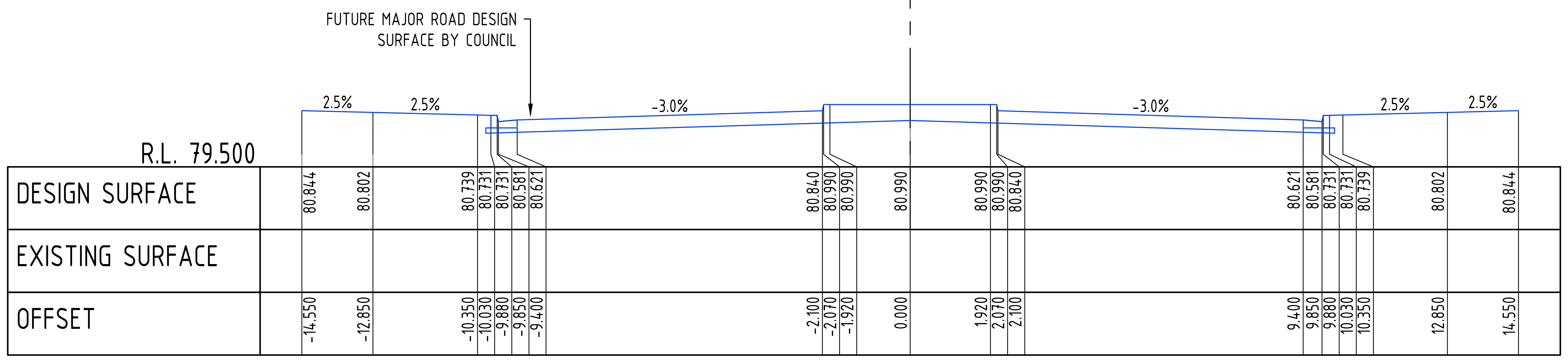
Ch 1140.000



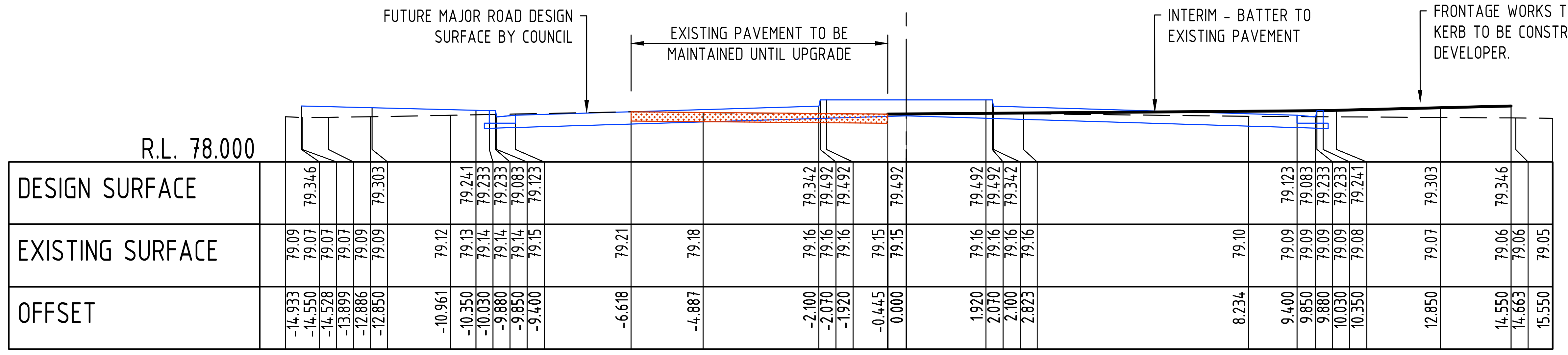
Ch 1060.000



Ch 1120.000



Ch 1040.000



Ch 1100.000

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
D	14.05.20	Issued for Approval	AGC	ST
C	15.04.20	Issued for Approval	LS	CDM
B	30.01.20	Issued for Approval	SF	JH
A	25.10.19	Issued for Approval	JH	SF

0 1 2 3 4 5m
SCALE 1:100
AT ORIGINAL SIZE (A1)

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Client NLI BYRON DEVELOPMENT PTY LTD	Discipline CIVIL		Status APPROVAL
Project Name MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON	Designed By CM	Checked By JN	Approved By JH
	Project No. 18540	Drawn By LC	Scale at A1 1:100

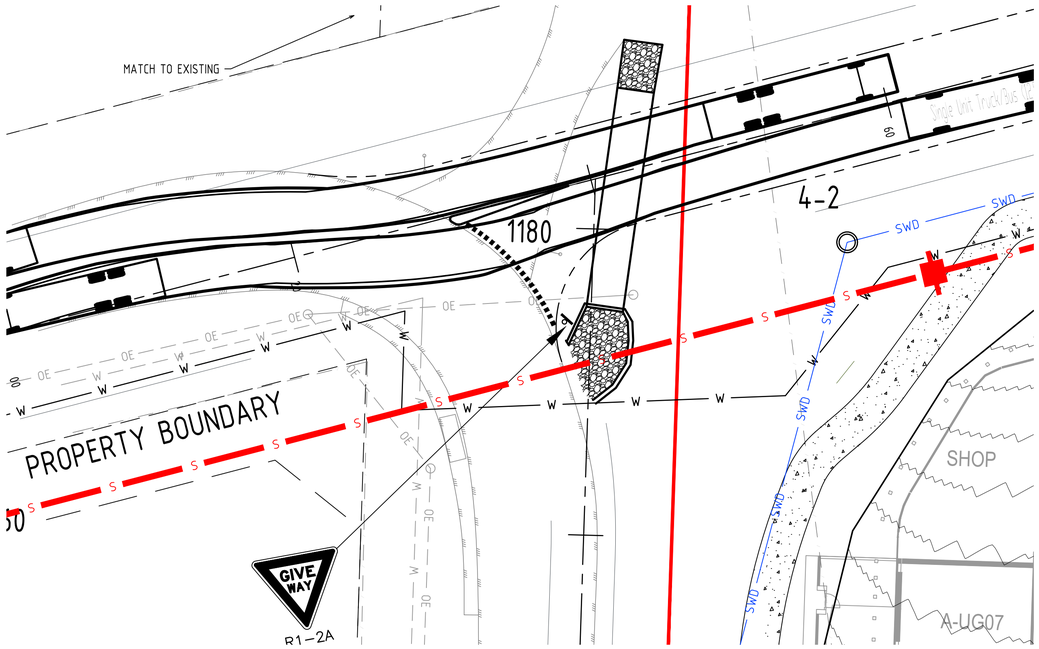
Title
ROADWORKS CROSS SECTIONS
ROAD 1 - FUTURE BYRON ROAD
INTERIM CASE

Drawing No.
C170

Revision
D

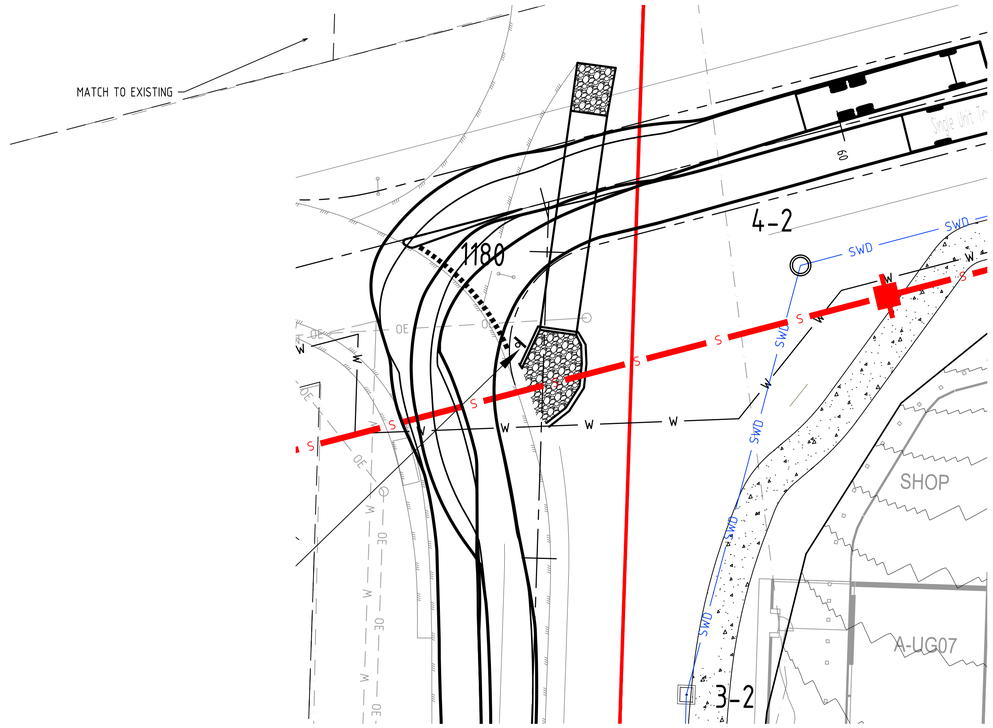
PLOT DATE: 5/14/2020 3:23 PM FILENAME: \\192.168.8.4\JOBS\18000\18540\CVL\DWG\BYRON RD\18540-C170.DWG

FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm



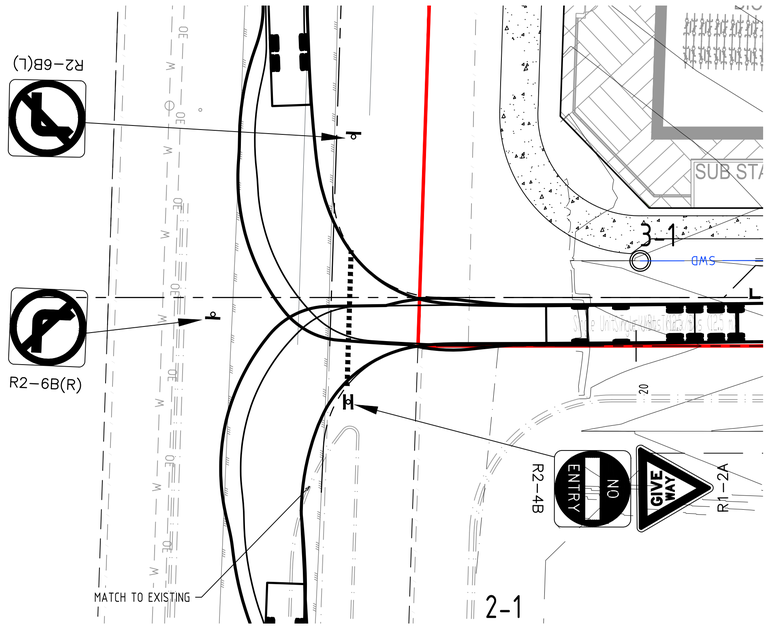
BYRON RD/TOWN CENTRE RD INTERSECTION - STRAIGHT THROUGH

SCALE 1:200



BYRON RD/TOWN CENTRE RD INTERSECTION - TURN

SCALE 1:200



BYRON RD/RD 4 INTERSECTION - TURN

SCALE 1:200

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
C	14.05.20	Issued for Approval	AGC	ST
B	30.01.20	Issued for Approval	SF	JH
A	25.10.10	Issued for Approval	JH	AC

0 10 20 30m
SCALE 1:500
AT ORIGINAL SIZE (A1)

0 1 2 3m
SCALE 1:50
AT ORIGINAL SIZE (A1)

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Client: NLI BYRON DEVELOPMENT PTY LTD

Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON

Discipline: CIVIL

Status: APPROVAL

Designed By: CM | Checked By: JN | Approved By: JH

Project No.: 18540 | Drawn By: LC | Scale at A1: AS SHOWN

Title: INTERSECTION LAYOUTS
TURNING PATHS
INTERIM CASE

Drawing No.: C180

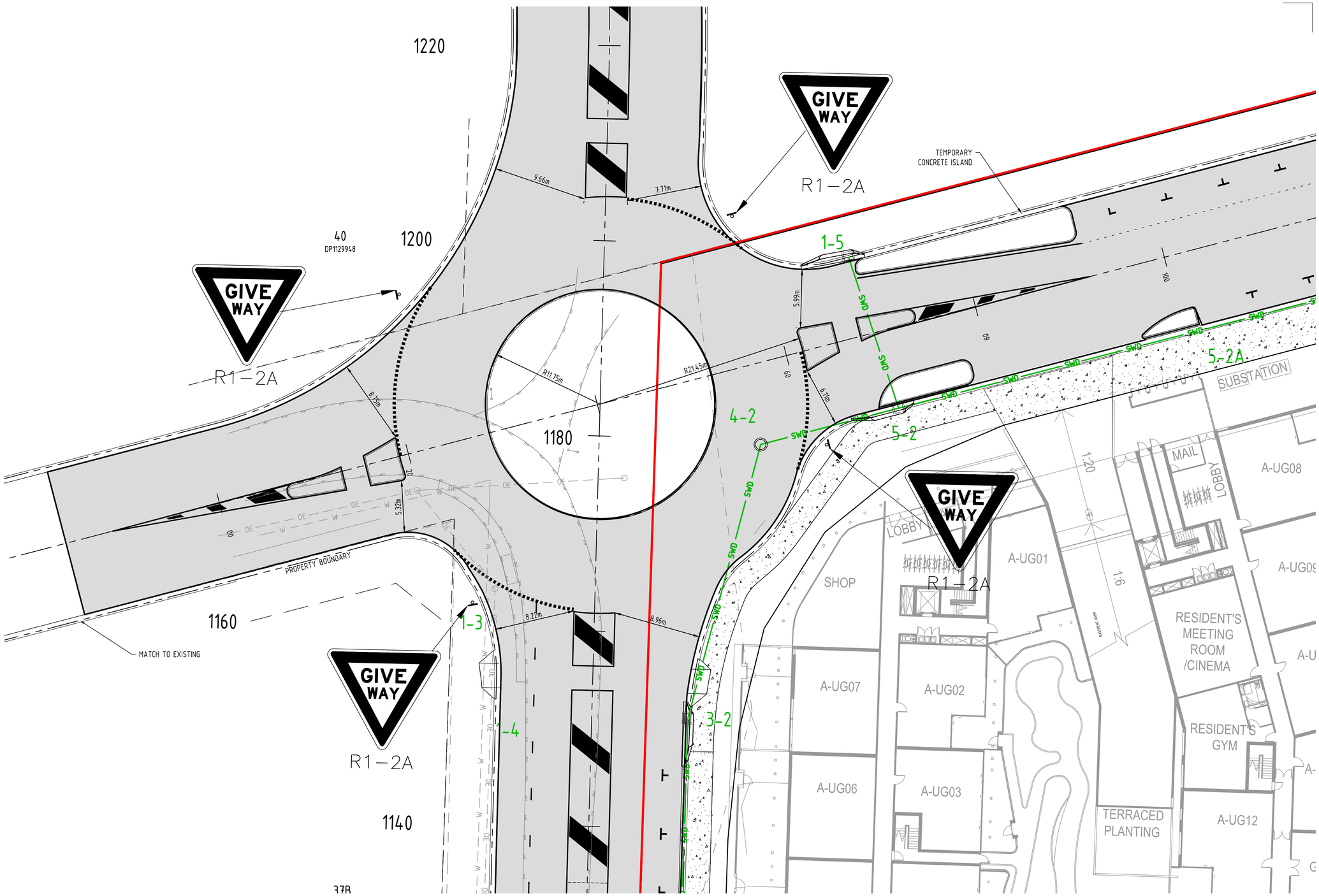
Revision: C

NOTES:
1. REFER TO DRG 130 FOR OVERALL SITE LAYOUT

LEGEND

SITE BOUNDARY

PROPOSED NOMINAL KERB LINE



ROUNDABOUT DETAIL LAYOUT

SCALE 1:200

ISSUED FOR
APPROVAL

Rev	Date	Description	By	Chk
B	14.05.20	Issued for Approval	AGC	ST
A	30.01.20	Issued for Approval	SF	JH

0 2 4 6 8 10m
SCALE 1:200
AT ORIGINAL SIZE (A1)

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Client: NLI BYRON DEVELOPMENT PTY LTD	Discipline: CIVIL		Status: APPROVAL
Project Name: MULTI RESIDENTIAL DEVELOPMENT 202 BYRON ROAD, LEPPINGTON	Designed By: CM	Checked By: JN	Approved By: JH
	Project No.: 18540	Drawn By: LC	Scale at A1: AS SHOWN

Title: ROUNDABOUT DETAIL PLAN INTERIM CASE

Drawing No.: C190

Revision: B

PLOT DATE: 5/14/2020 3:15 PM FILENAME: \\192.168.8.4\JOBS\18000\18540\CVL\DWG\BYRON RD\18540-C190.DWG

FULL SIZE ON ORIGINAL 0 10 20 30 40 50 60 70 80 90 100mm