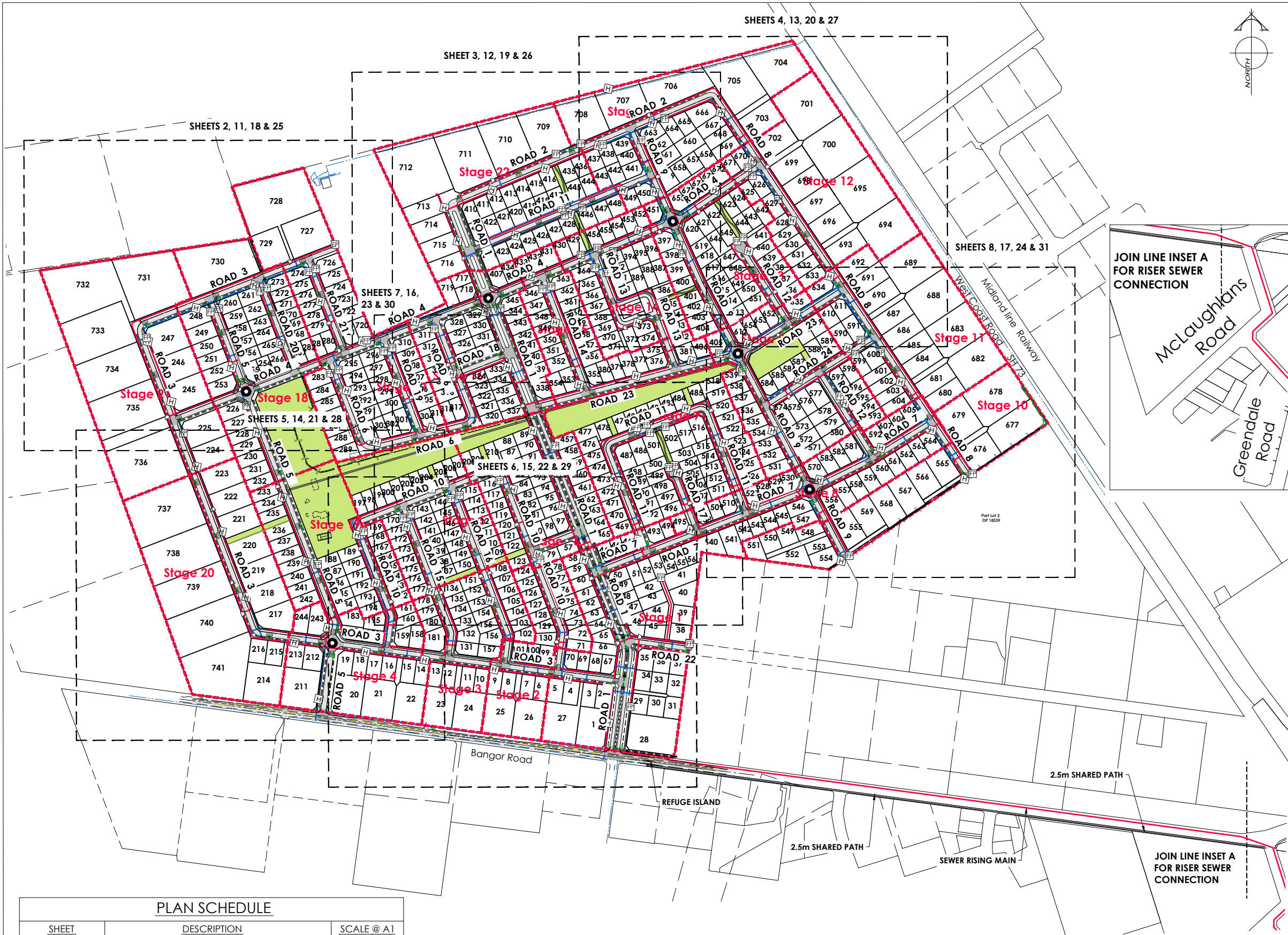
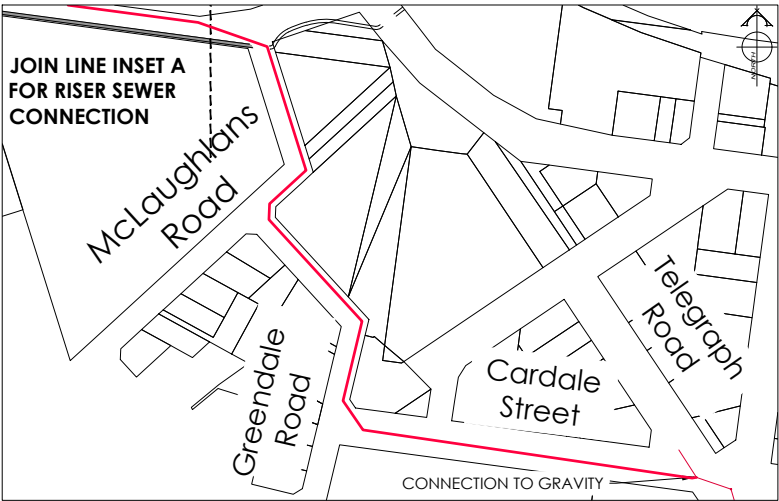




AMENDMENTS:		
AMENDMENT	DATE	DESCRIPTION
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	ROUNDBABOUTS ADDED

NOTES:

- 1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
- 2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION
- 3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.
- 4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.
- 5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.



LEGEND:	
CHIP SEAL	NEW FOOTPATH
AC SURFACING	
STORMWATER SWALE	
SOAKAGE PIT	
FLUSHING POINT	
EXISTING SERVICES	PROPOSED SERVICES
WATER FH VALVE	WATER FH VALVE METER
STORMWATER MH	STORMWATER MH
PRESSURE SEWER BEC	PRESSURE SEWER BEC
KERB	KERB CUT DOWN



DAVIE LOVELL-SMITH
PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:
Bangor Road, Darfield

SHEET TITLE:
**Engineering Concept
Overall Plan**

DRAWING STATUS:
For Concept Purposes

SCALE: 1:3500@A1 DATE: July 2026
1:7000@A3

CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg DRAWN: DG

DRAWING No: H21112 SHEET No: 1 OF 31 REVISION: R6

PLAN SCHEDULE		
SHEET	DESCRIPTION	SCALE @ A1
1 OF 31	Overall Plan	1:3500
2 OF 31 - 8 OF 31	Roadway Plans	1:1000
9 & 10 OF 31	Roadway Cross Sections	As Shown
11 OF 31 - 17 OF 31	Stormwater Plans	1:1000
18 OF 31 - 24 OF 31	Water Plans	1:1000
25 OF 31 - 31 OF 31	Pressure Sewer Plans	1:1000



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & ROADING LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	ROUNDBABOUTS ADDED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTED PRIOR TO TRENCHING.

LEGEND :

CHIP SEAL

AC SURFACING

EXISTING SERVICES

KERB

NEW FOOTPATH

PROPOSED SERVICES

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:
Bangor Road, Darfield

SHEET TITLE:
Engineering Concept
Roading Plan

DRAWING STATUS:
For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3
DATE: July 2026

CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg
DRAWING No: H21112
SHEET No: 2 OF 31
REVISION: R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & ROADING LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	ROUNDABOUTS ADDED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS. COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

CHIP SEAL

AC SURFACING

EXISTING SERVICES

KERB

NEW FOOTPATH

PROPOSED SERVICES

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679

Christchurch 8140.

New Zealand

Telephone: 03 379-0793

Website: www.dls.co.nz

E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept
Roading Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3

DATE: July 2026

CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN : DG

DRAWING No: H21112

SHEET No: 3 OF 31

REVISION: R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & ROADING LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	ROUNDBABOUTS ADDED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

CHIP SEAL

AC SURFACING

NEW FOOTPATH

EXISTING SERVICES

PROPOSED SERVICES

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept
Roading Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3

DATE: July 2026

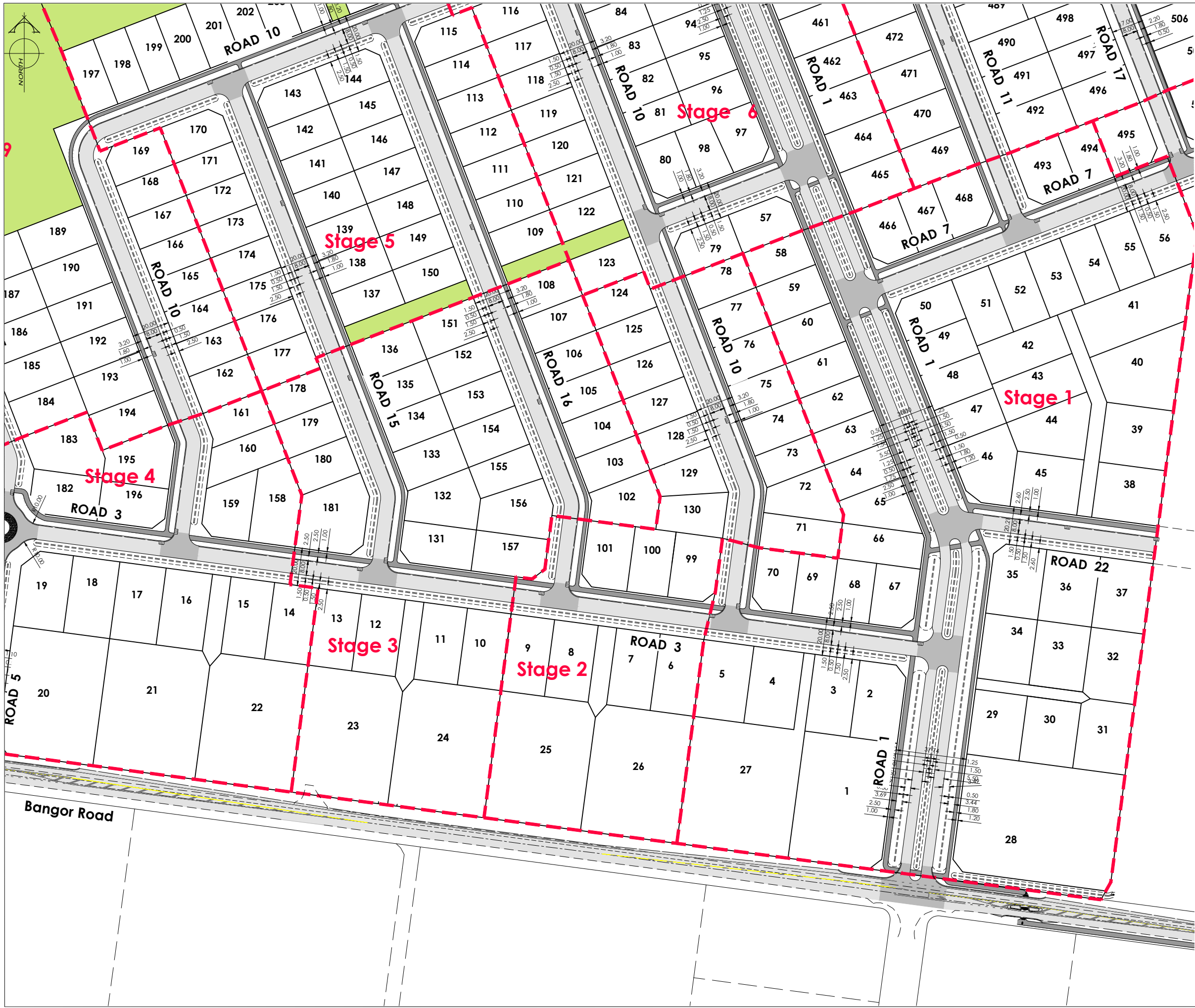
CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN : DG

DRAWING No: H21112

SHEET No: 4 OF 31

REVISION: R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & ROADING LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	ROUNDABOUTS ADDED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN, REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

CHIP SEAL

AC SURFACING

NEW FOOTPATH

EXISTING SERVICES

PROPOSED SERVICES

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept
Roading Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3

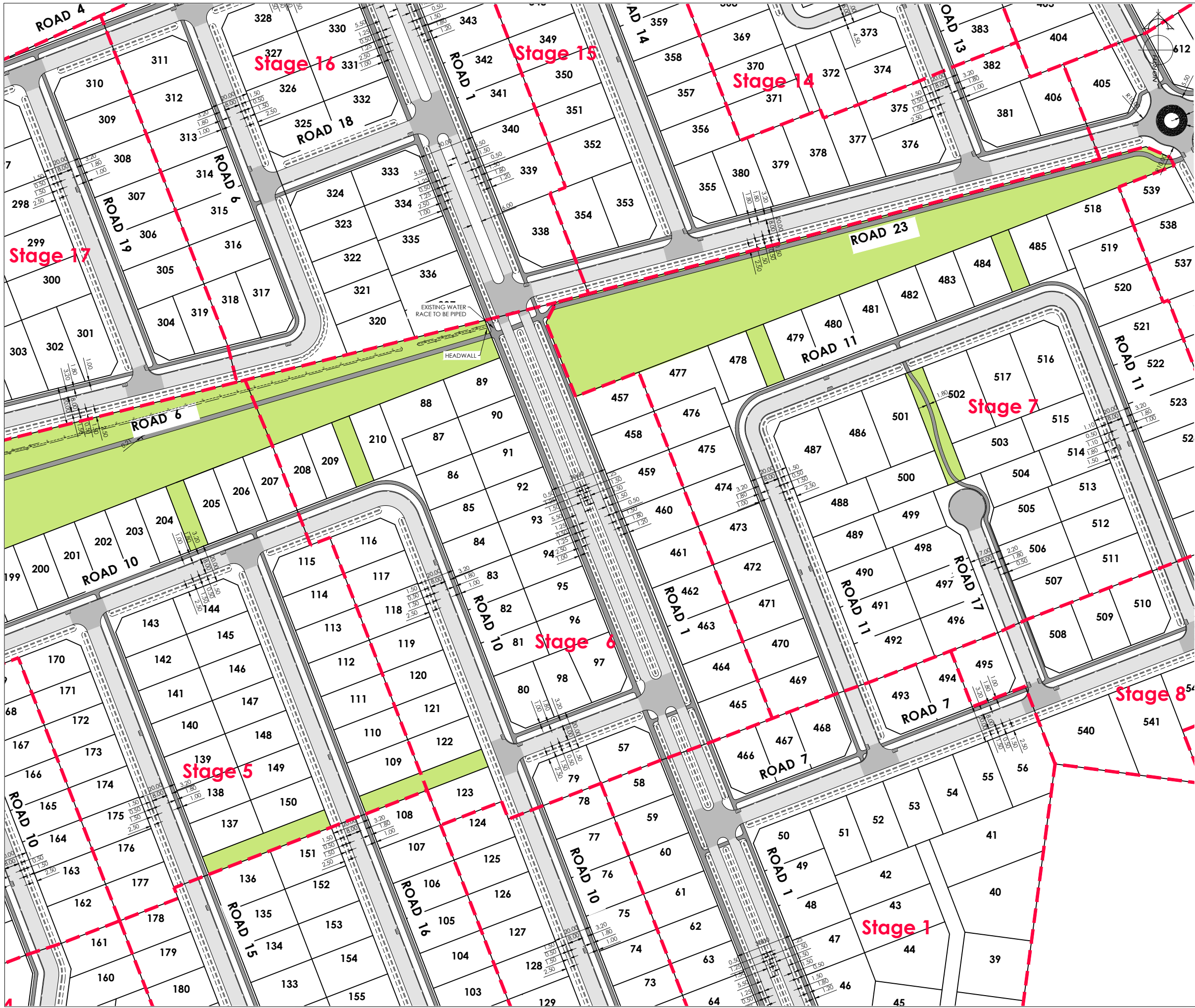
DATE: July 2026

CAD FILE : J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWING No : H21112

SHEET No: 6 OF 31

REVISION: R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & ROADING LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	ROUNDABOUTS ADDED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN, REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

CHIP SEAL

AC SURFACING

NEW FOOTPATH

EXISTING SERVICES

PROPOSED SERVICES

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept Roading Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1 1:2000@A3

DATE: July 2026

CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN : DG

DRAWING No: H21112

SHEET No: 7 OF 31

REVISION: R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & ROADING LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	ROUNDBABOUTS ADDED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS. COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PIOTED PRIOR TO TRENCHING.

LEGEND :

CHIP SEAL

AC SURFACING

NEW FOOTPATH

EXISTING SERVICES

PROPOSED SERVICES

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept
Rooding Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3

DATE: July 2026

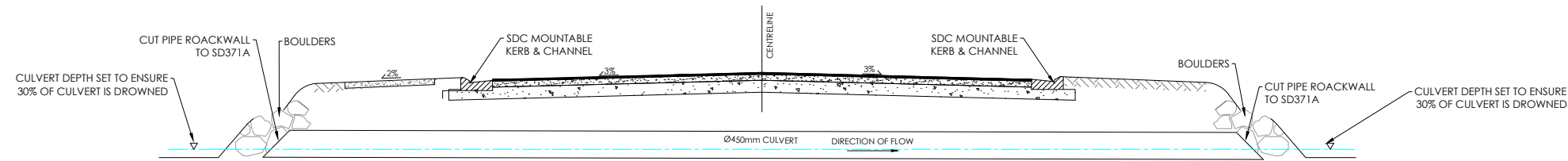
CAD FILE : J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN : DG

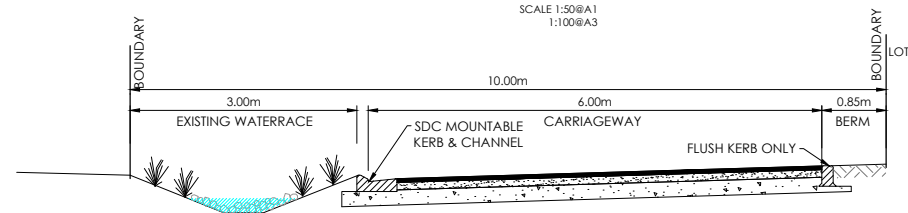
DRAWING No : H21112

SHEET No: 8 OF 31

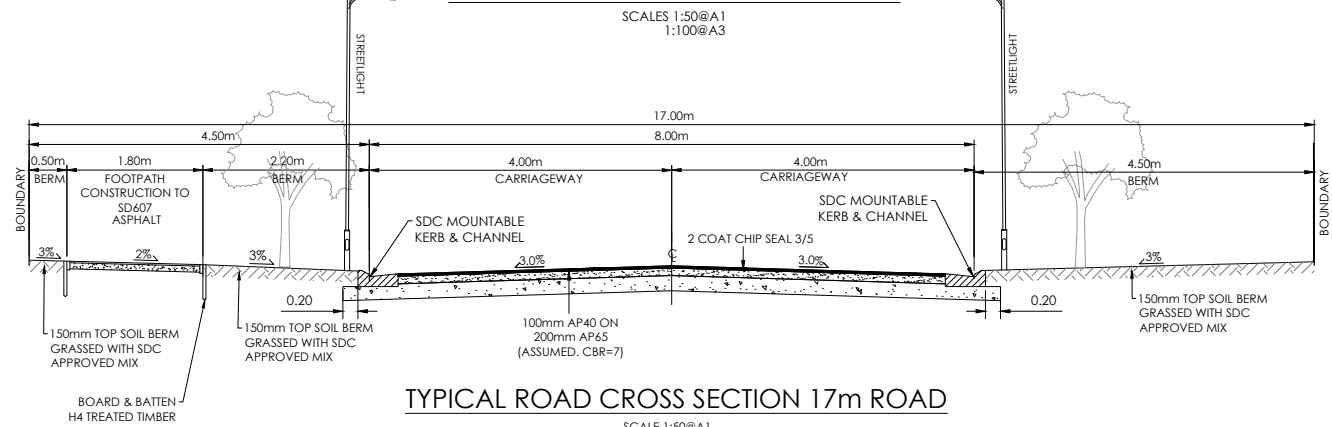
REVISION: R6



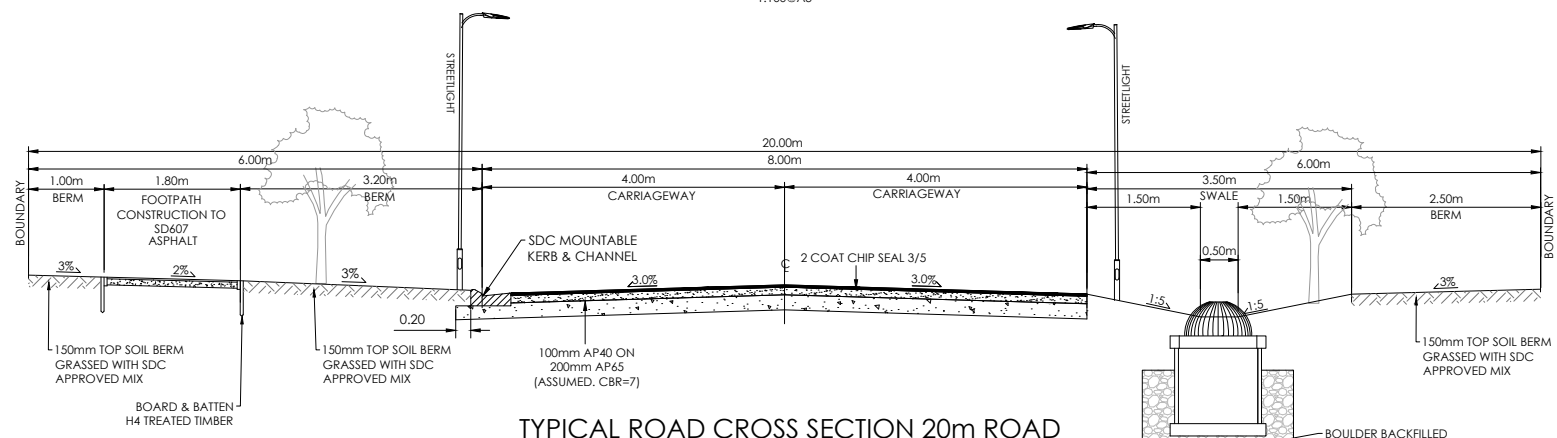
TYPICAL DETAIL FOR CULVERT CROSSING



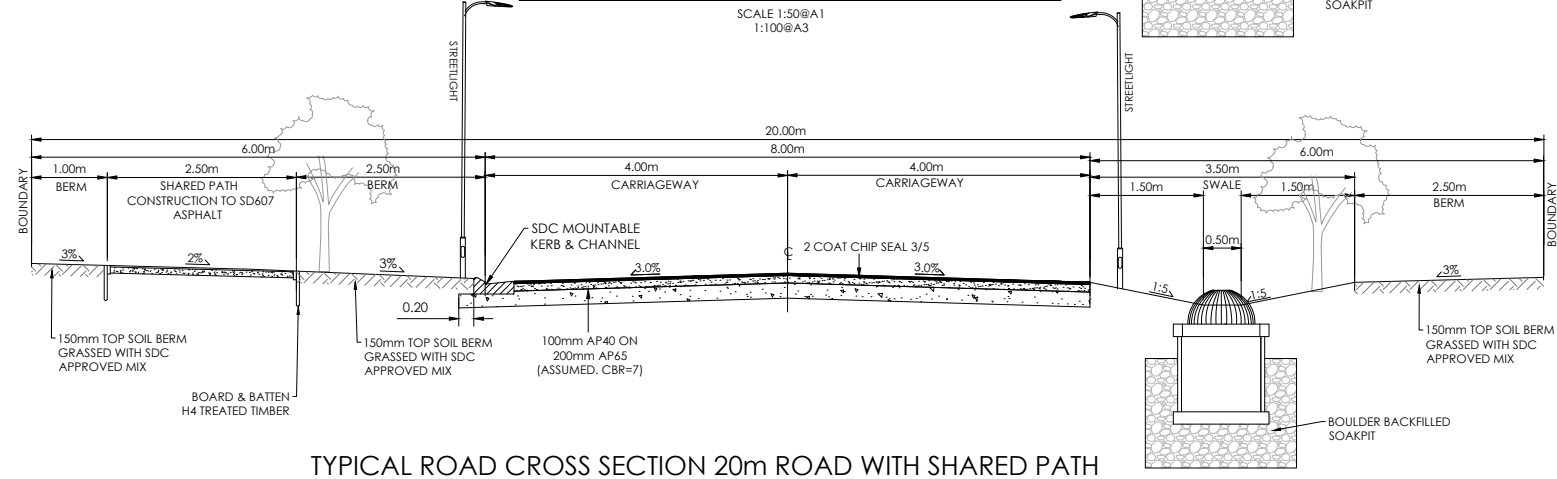
TYPICAL CROSS SECTION ROW A - A



TYPICAL ROAD CROSS SECTION 17m ROAD



TYPICAL ROAD CROSS SECTION 20m ROAD

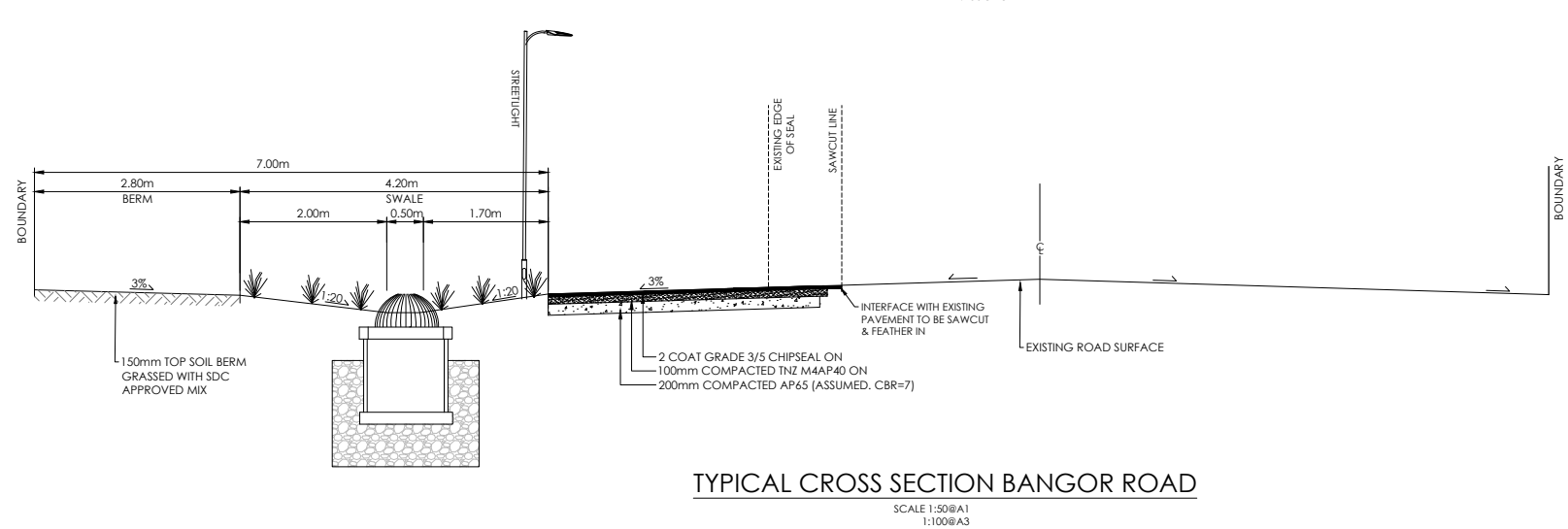
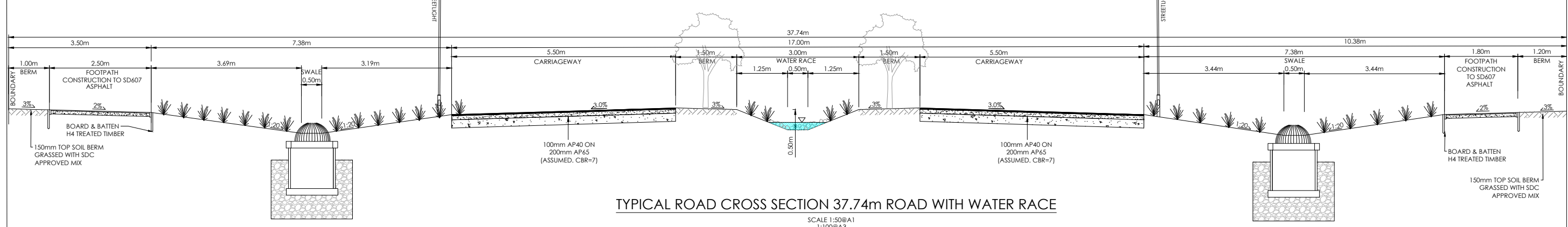
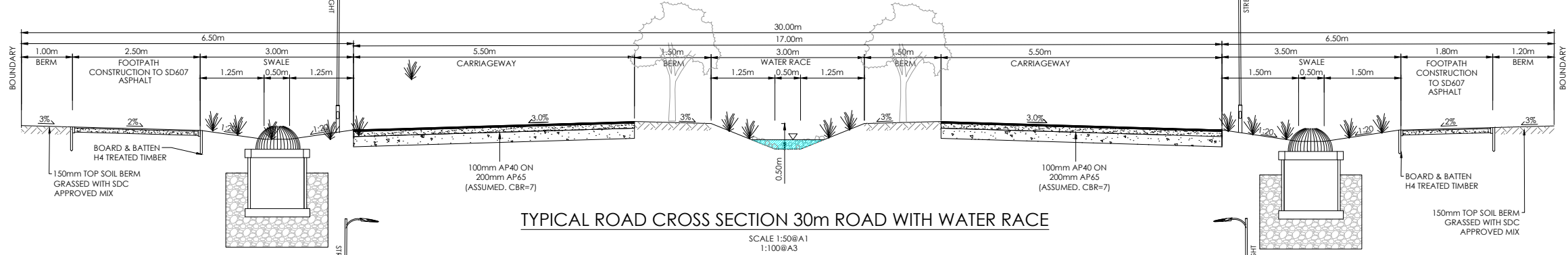
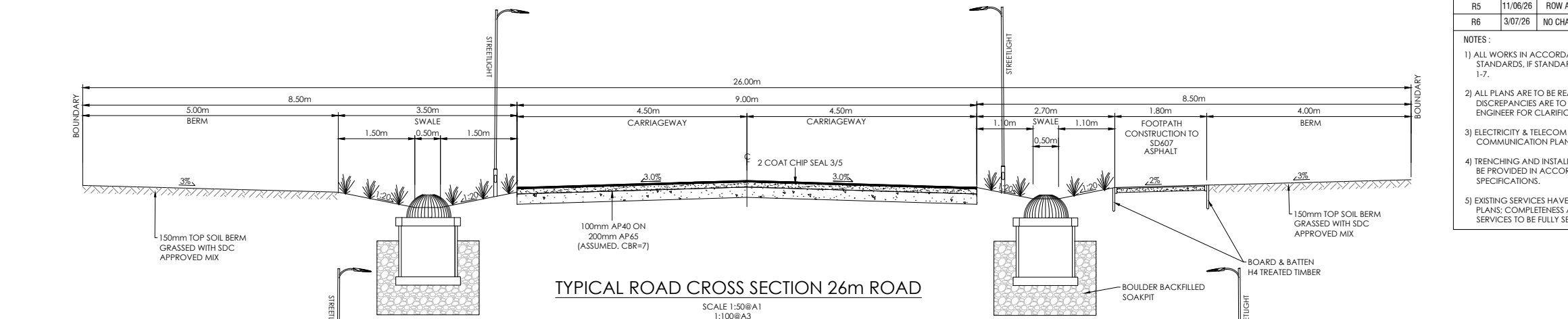


TYPICAL ROAD CROSS SECTION 20m ROAD WITH SHARED PATH

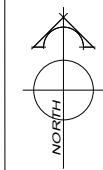
AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	24m ROAD CROSS SECTION REMOVED
R5	11/06/26	ROW A - A CROSS SECTION ADDED
R6	3/07/26	CULVERT DETAIL ADDED
NOTES :		
1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.		
2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET, ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION		
3) ELECTRICITY & TELECOM SERVICES NOT SHOWN, REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.		
4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.		
5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED, ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.		
 DAVE LOVELL-SMITH PLANNING SURVEYING ENGINEERING		
116 Wrights Road P O Box 679 Christchurch 8140. New Zealand Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz		
JOB TITLE:		
Bangor Road, Darfield		
SHEET TITLE:		
Engineering Concept Roding Cross Sections		
DRAWING STATUS:		
For Concept Purposes		
SCALE: As Shown		DATE: July 2026
CAD FILE : J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg		
DRAWING No :	SHEET No:	REVISION :
H21112	9 OF 31	R6

AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	24m ROAD CROSS SECTION REMOVED
R5	11/06/26	ROW A - A CROSS SECTION ADDED
R6	3/07/26	NO CHANGE THIS SHEET

- NOTES :
- 1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
 - 2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET, ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION
 - 3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.
 - 4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.
 - 5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.



116 Wrights Road P O Box 679 Christchurch 8140, New Zealand Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz		
JOB TITLE: Bangor Road, Darfield		
SHEET TITLE: Engineering Concept Roading Cross Sections		
DRAWING STATUS: For Concept Purposes		
SCALE : As Shown		DATE : July 2026
CAD FILE : J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg		
DRAWING No : H21112	SHEET No : 10 OF 31	REVISION : R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & SEWER LAYOUT UPDATED
R5	11/06/26	SEWER PUMP LOCATION UPDATED
R6	3/07/26	SW LAYOUT AT ROUNDABOUTS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTED PRIOR TO TRENCHING.

LEGEND :

STORMWATER SWALE

SOAKAGE PIT

EXISTING SERVICES

STORMWATER

KERB

PROPOSED SERVICES

STORMWATER

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:
Bangor Road, Darfield

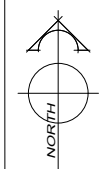
SHEET TITLE:
Engineering Concept
Stormwater Plan

DRAWING STATUS:
For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3 DATE: July 2026

CAD FILE : J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg DRAWN : DG

DRAWING No : H21112 SHEET No: 11 OF 31 REVISION: R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & SEWER LAYOUT UPDATED
R5	11/06/26	SEWER PUMP LOCATION UPDATED
R6	3/07/26	SW LAYOUT AT ROUNDABOUTS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS. COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

STORMWATER SWALE

SOAKAGE PIT

EXISTING SERVICES

STORMWATER

KERB

PROPOSED SERVICES

STORMWATER

KERB

CUT DOWN

DAVIE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679

Christchurch 8140.

New Zealand

Telephone: 03 379-0793

Website: www.dls.co.nz

E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept

Stormwater Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1

1:2000@A3

DATE: July 2026

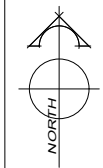
CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN : DG

DRAWING No: H21112

SHEET No: 12 OF 31

REVISION: R6



AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & SEWER LAYOUT UPDATED
R5	11/06/26	SEWER PUMP LOCATION UPDATED
R6	3/07/26	SW LAYOUT AT ROUNDABOUTS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS. COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTED PRIOR TO TRENCHING.

LEGEND :

STORMWATER SWALE

SOAKAGE PIT

EXISTING SERVICES

STORMWATER

KERB

PROPOSED SERVICES

STORMWATER

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

**Engineering Concept
Stormwater Plan**

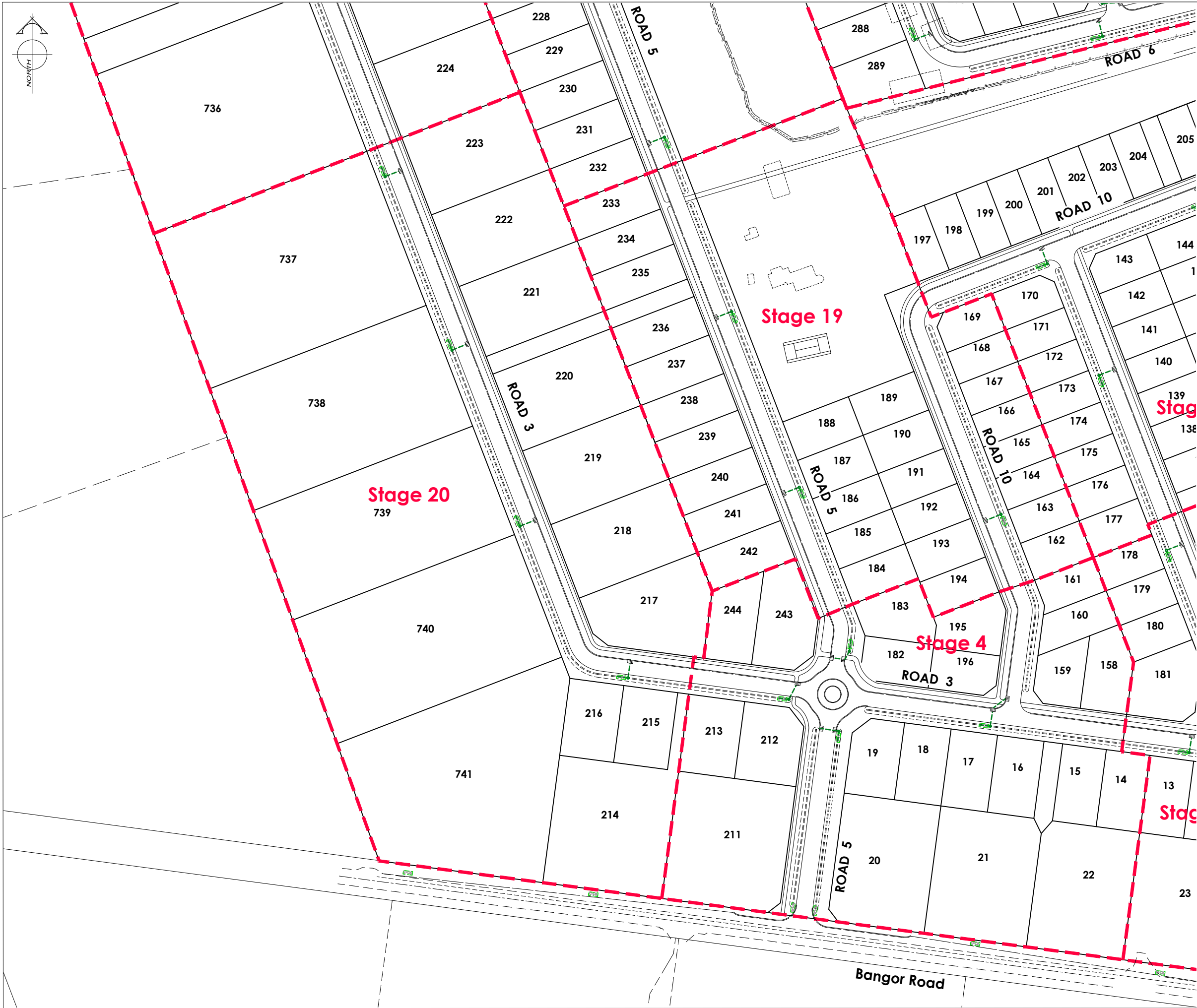
DRAWING STATUS

For Concept Purposes

SCALE : 1:1000@A1 DATE : July 2026
1:2000@A3

CAD FILE : J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg DRAWN : DG

DRAWING No : H21112 SHEET No : 13 OF 31 REVISION : R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & SEWER LAYOUT UPDATED
R5	11/06/26	SEWER PUMP LOCATION UPDATED
R6	3/07/26	SW LAYOUT AT ROUNDABOUTS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET, ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN, REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

STORMWATER SWALE

SOAKAGE PIT

EXISTING SERVICES

STORMWATER

KERB

PROPOSED SERVICES

STORMWATER

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept Stormwater Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1 1:2000@A3

DATE: July 2026

CAD FILE : J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN : DG

DRAWING No : H21112

SHEET No: 14 OF 31

REVISION : R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & SEWER LAYOUT UPDATED
R5	11/06/26	SEWER PUMP LOCATION UPDATED
R6	3/07/26	SW LAYOUT AT ROUNDABOUTS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS. COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

STORMWATER SWALE

SOAKAGE PIT

EXISTING SERVICES

STORMWATER

KERB

PROPOSED SERVICES

STORMWATER

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679

Christchurch 8140, New Zealand

Telephone: 03 379-0793

Website: www.dls.co.nz

E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept Stormwater Plan

DRAWING STATUS

For Concept Purposes

SCALE :

1:1000@A1

1:2000@A3

DATE :

July 2026

CAD FILE :

J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN :

DG

DRAWING No :

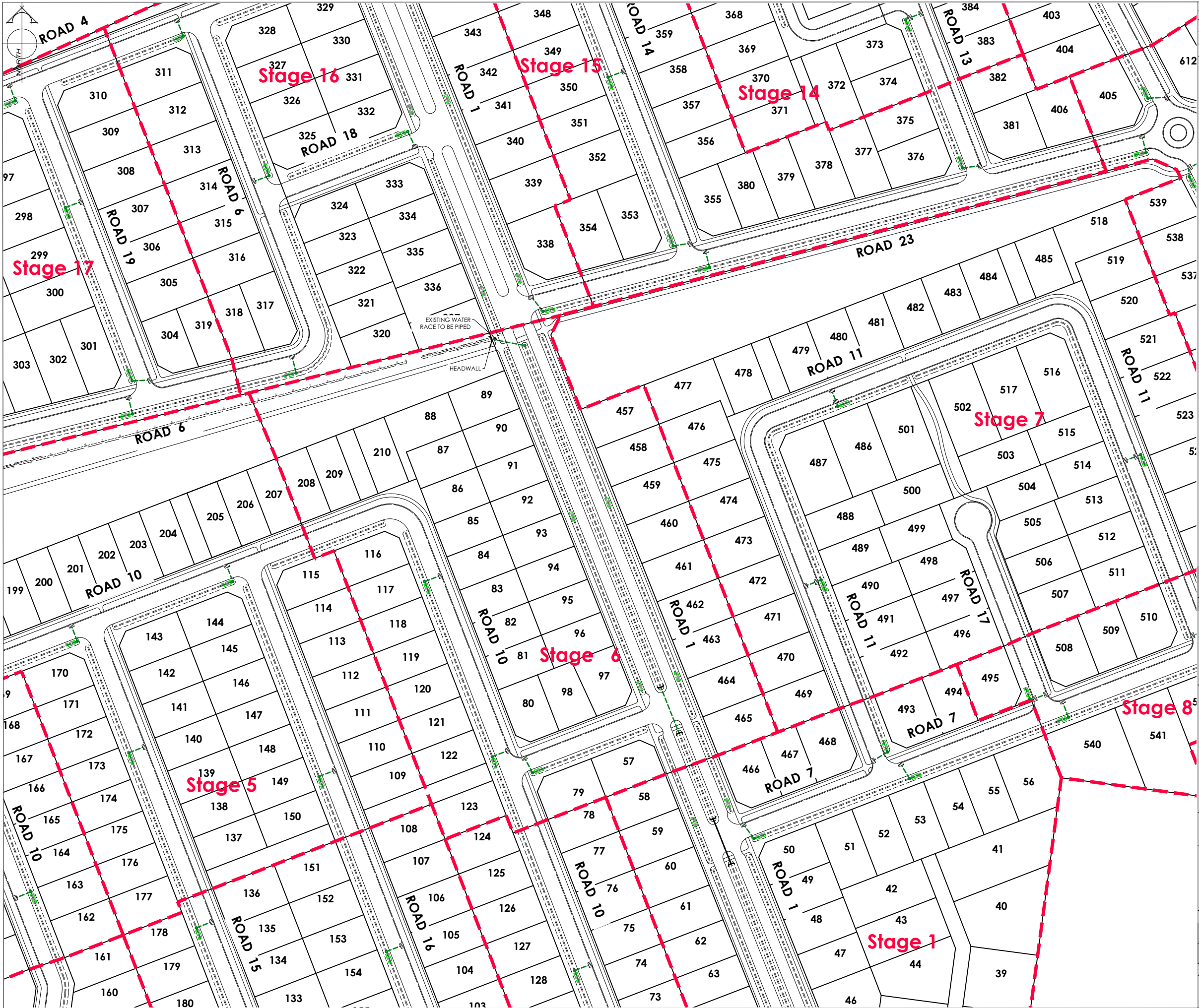
H21112

SHEET No :

15 OF 31

REVISION :

R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & SEWER LAYOUT UPDATED
R5	11/06/26	SEWER PUMP LOCATION UPDATED
R6	3/07/26	SW LAYOUT AT ROUNDABOUTS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET, ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

STORMWATER SWALE

SOAKAGE PIT

EXISTING SERVICES

STORMWATER

KERB

MH

MH

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept
Stormwater Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3

DATE: July 2026

CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN: DG

DRAWING No: H21112

SHEET No: 16 OF 31

REVISION: R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & SEWER LAYOUT UPDATED
R5	11/06/26	SEWER PUMP LOCATION UPDATED
R6	3/07/26	SW LAYOUT AT ROUNDABOUTS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS. COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

STORMWATER SWALE

SOAKAGE PIT

EXISTING SERVICES

STORMWATER

KERB

MH

PROPOSED SERVICES

STORMWATER

KERB

CUT DOWN

MH

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679

Christchurch 8140.

New Zealand

Telephone: 03 379-0793

Website: www.dls.co.nz

E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept
Stormwater Plan

DRAWING STATUS

For Concept Purposes

SCALE :

1:1000@A1

1:2000@A3

DATE :

July 2026

CAD FILE :

J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN :

DG

DRAWING No :

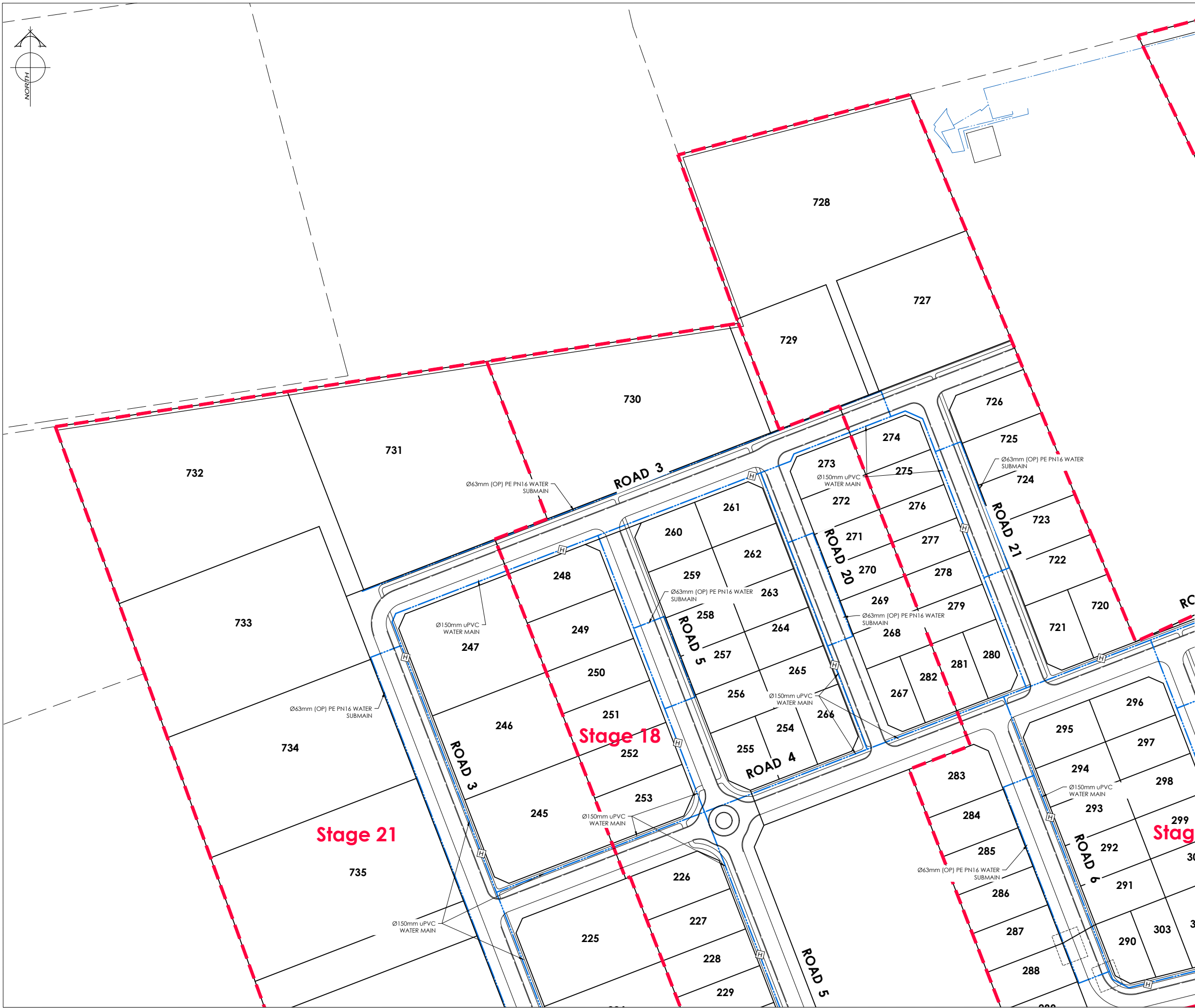
H21112

SHEET No :

17 OF 31

REVISION :

R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & WATER LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	NO CHANGE THIS SHEET

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

EXISTING SERVICES

WATER

FH VALVE

KERB

PROPOSED SERVICES

WATER

FH VALVE METER

CUT DOWN

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept Water Plan

DRAWING STATUS

For Concept Purposes

SCALE : 1:1000@A1 1:2000@A3

DATE : July 2026

CAD FILE : J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN : DG

DRAWING No : H21112

SHEET No: 18 OF 31

REVISION : R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & WATER LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	NO CHANGE THIS SHEET

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

EXISTING SERVICES

WATER

FH VALVE

KERB

PROPOSED SERVICES

WATER

FH VALVE METER

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept Water Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1 1:2000@A3

DATE: July 2026

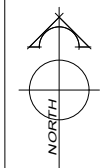
CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN : DG

DRAWING No: H21112

SHEET No: 19 OF 31

REVISION: R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & WATER LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	NO CHANGE THIS SHEET

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN, REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTED PRIOR TO TRENCHING.

LEGEND :

EXISTING SERVICES

PROPOSED SERVICES

WATER

WATER

KERB

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept Water Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1 1:2000@A3

DATE: July 2026

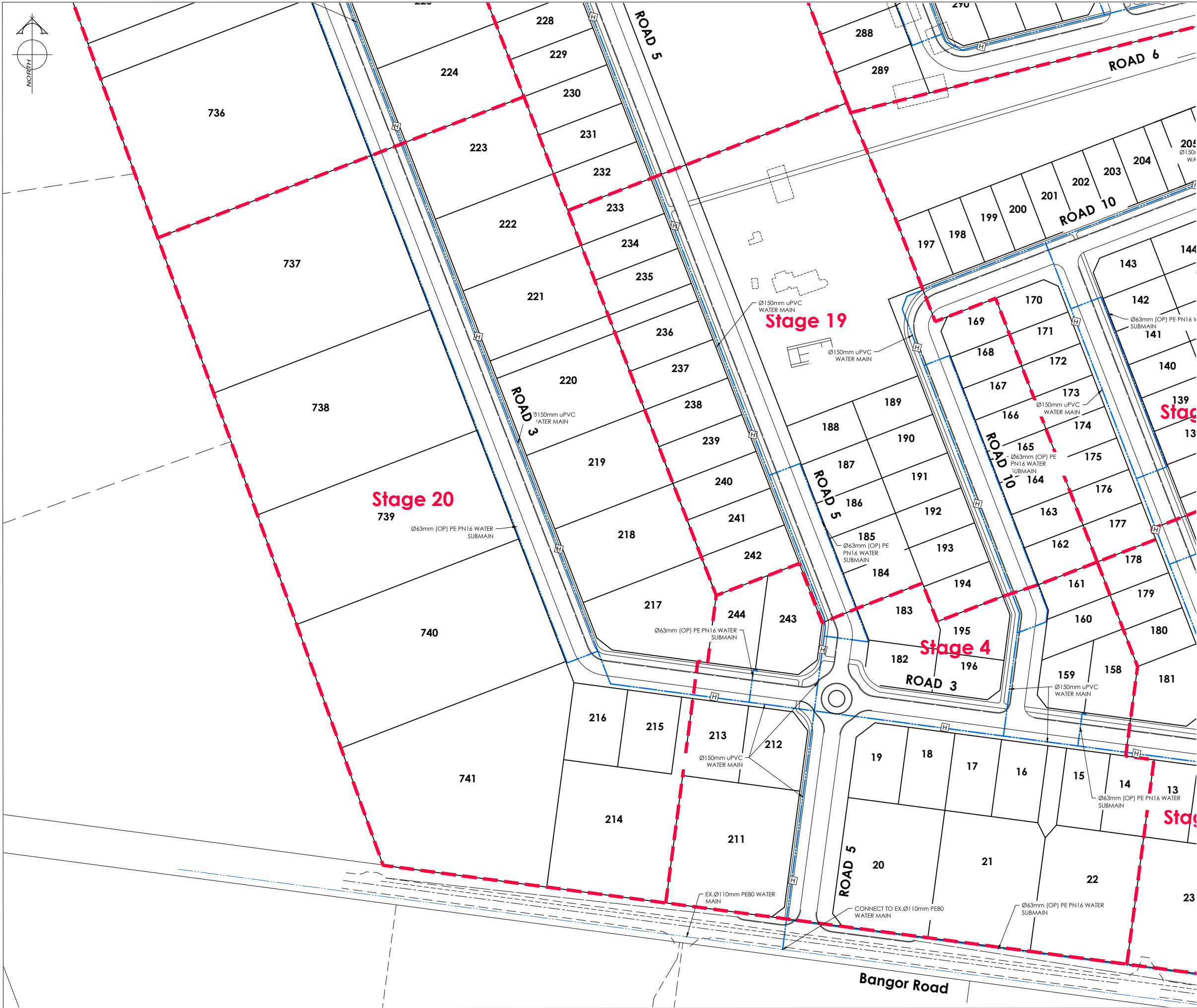
CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN : DG

DRAWING No: H21112

SHEET No: 20 OF 31

REVISION: R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & WATER LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	NO CHANGE THIS SHEET

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

EXISTING SERVICES

WATER

KERB

PROPOSED SERVICES

WATER

KERB

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept
Water Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1 1:2000@A3

DATE: July 2026

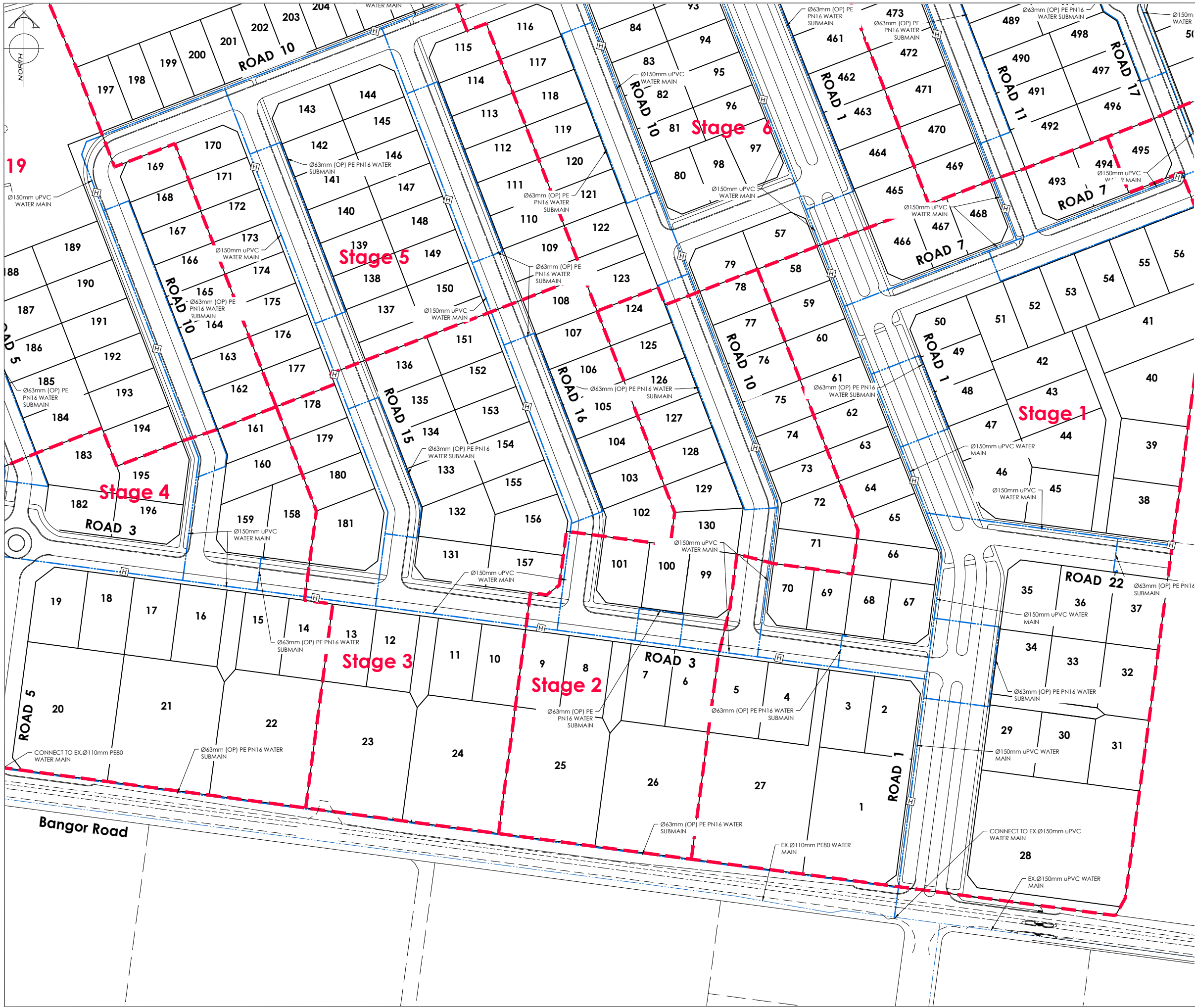
CAD FILE : J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN : DG

DRAWING No : H21112

SHEET No: 21 OF 31

REVISION : R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & WATER LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	NO CHANGE THIS SHEET

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

EXISTING SERVICES

PROPOSED SERVICES

WATER

WATER

KERB

KERB

FH

FH

VALVE

VALVE

METER

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679

Christchurch 8140

New Zealand

Telephone: 03 379-0793

Website: www.dls.co.nz

E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept Water Plan

DRAWING STATUS:

For Concept Purposes

SCALE:

1:1000@A1

1:2000@A3

DATE:

July 2026

CAD FILE :

J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWING No :

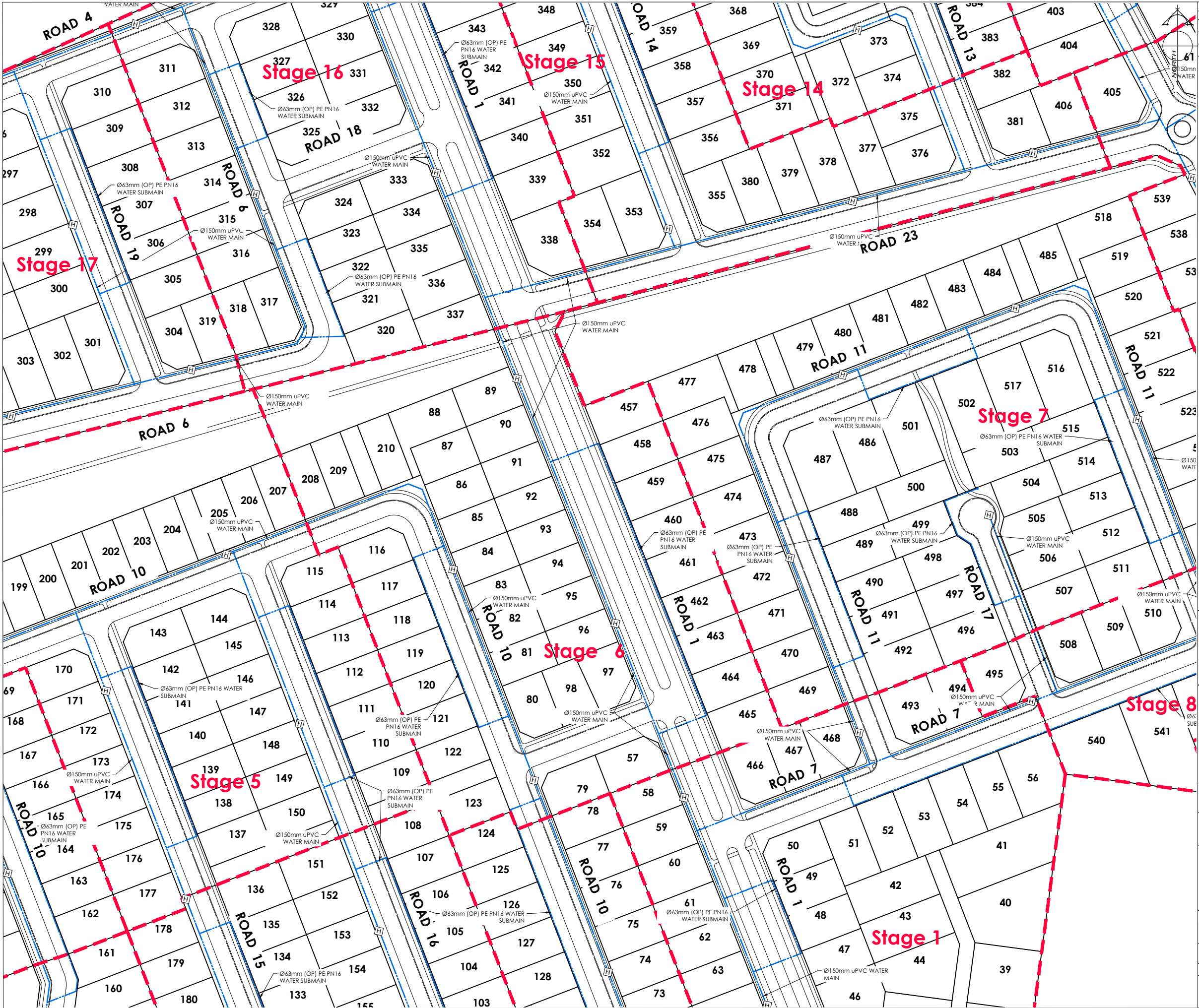
H21112

SHEET No:

22 OF 31

REVISION :

R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & WATER LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	NO CHANGE THIS SHEET

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS. COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

EXISTING SERVICES

WATER FH VALVE KERB

PROPOSED SERVICES

WATER FH VALVE METER KERB

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:
Bangor Road, Darfield

SHEET TITLE:
**Engineering Concept
Water Plan**

DRAWING STATUS:
For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3 DATE: July 2026

CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg DRAWN: DG

DRAWING No: **H21112** SHEET No: 23 OF 31 REVISION: **R6**



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & WATER LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	NO CHANGE THIS SHEET

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET, ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

EXISTING SERVICES

WATER

KERB

PROPOSED SERVICES

WATER

KERB

EXISTING SERVICES

WATER

KERB

PROPOSED SERVICES

WATER

KERB

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept Water Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1 1:2000@A3

DATE: July 2026

CAD FILE : J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN : DG

DRAWING No : H21112

SHEET No: 24 OF 31

REVISION : R6



AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & WATER LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	NO CHANGE THIS SHEET

NOTES :

- 1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
- 2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION
- 3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.
- 4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.
- 5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :	
FLUSHING POINT	FF
REDUCER	D
EXISTING SERVICES	PROPOSED SERVICES
PRESSURE SEWER	BEC
EXISTING SERVICES	PROPOSED SERVICES
KERB	CUT DOWN



DAVE LOVELL-SMITH
PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:
Bangor Road, Darfield

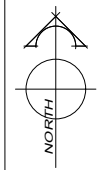
SHEET TITLE:
**Engineering Concept
Pressure Sewer Plan**

DRAWING STATUS:
For Concept Purposes

SCALE : 1:1000@A1 DATE : July 2026
1:2000@A3

CAD FILE : J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg DRAWN : DG

DRAWING No : H21112 SHEET No: 25 OF 31 REVISION : R6



AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & WATER LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	NO CHANGE THIS SHEET

NOTES :

- 1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
- 2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION
- 3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.
- 4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.
- 5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :	
FLUSHING POINT	REDUCER
EXISTING SERVICES	PROPOSED SERVICES
PRESSURE SEWER	PRESSURE SEWER
EXISTING SERVICES	PROPOSED SERVICES
KERB	CUT DOWN



DAVE LOVELL-SMITH
PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:
Bangor Road, Darfield

SHEET TITLE:
**Engineering Concept
Pressure Sewer Plan**

DRAWING STATUS:
For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3 DATE: July 2026

CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg DRAWN: DG

DRAWING No.: **H21112** SHEET No: 26 OF 31 REVISION: **R6**



AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & WATER LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	NO CHANGE THIS SHEET

NOTES :

- 1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
- 2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION
- 3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.
- 4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.
- 5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

FLUSHING POINT	FF	REDUCER	D
EXISTING SERVICES		PROPOSED SERVICES	
PRESSURE SEWER	—	PRESSURE SEWER	—
EXISTING SERVICES		PROPOSED SERVICES	
KERB	—	KERB	—

DAVE LOVELL-SMITH
PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

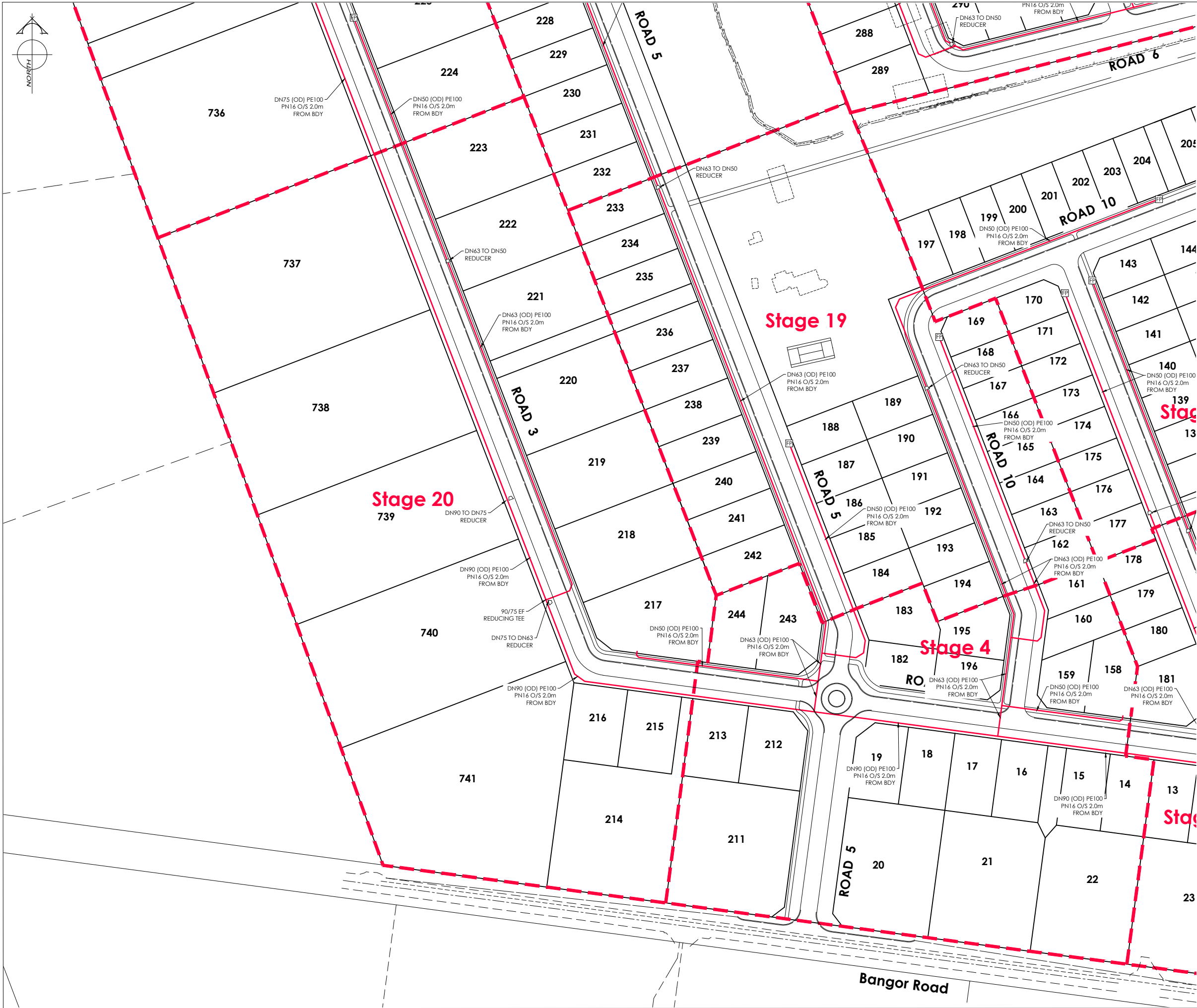
JOB TITLE:
Bangor Road, Darfield

SHEET TITLE:
**Engineering Concept
Pressure Sewer Plan**

DRAWING STATUS:
For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3
DATE: July 2026
DRAWN: DG

CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg
DRAWING No: H21112
SHEET No: 27 OF 31
REVISION: R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & WATER LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	NO CHANGE THIS SHEET

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

FLUSHING POINT

REDUCER

EXISTING SERVICES

PROPOSED SERVICES

PRESSURE SEWER

PRESSURE SEWER

EXISTING SERVICES

PROPOSED SERVICES

KERB

KERB

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679

Christchurch 8140. New Zealand

Telephone: 03 379-0793

Website: www.dls.co.nz

E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept
Pressure Sewer Plan

DRAWING STATUS

For Concept Purposes

SCALE:

1:1000@A1

1:2000@A3

DATE:

July 2026

CAD FILE:

J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN:

DG

DRAWING No :

H21112

SHEET No:

28 OF 31

REVISION:

R6



INSET B
SCALE: 1:3000@A1
1:6000@A3

AMENDMENTS:

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & WATER LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	NO CHANGE THIS SHEET

NOTES:

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET, ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN, REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND:

FLUSHING POINT

REDUCER

EXISTING SERVICES

PROPOSED SERVICES

PRESSURE SEWER

PRESSURE SEWER

EXISTING SERVICES

PROPOSED SERVICES

KERB

KERB

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept
Pressure Sewer Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3

DATE: July 2026

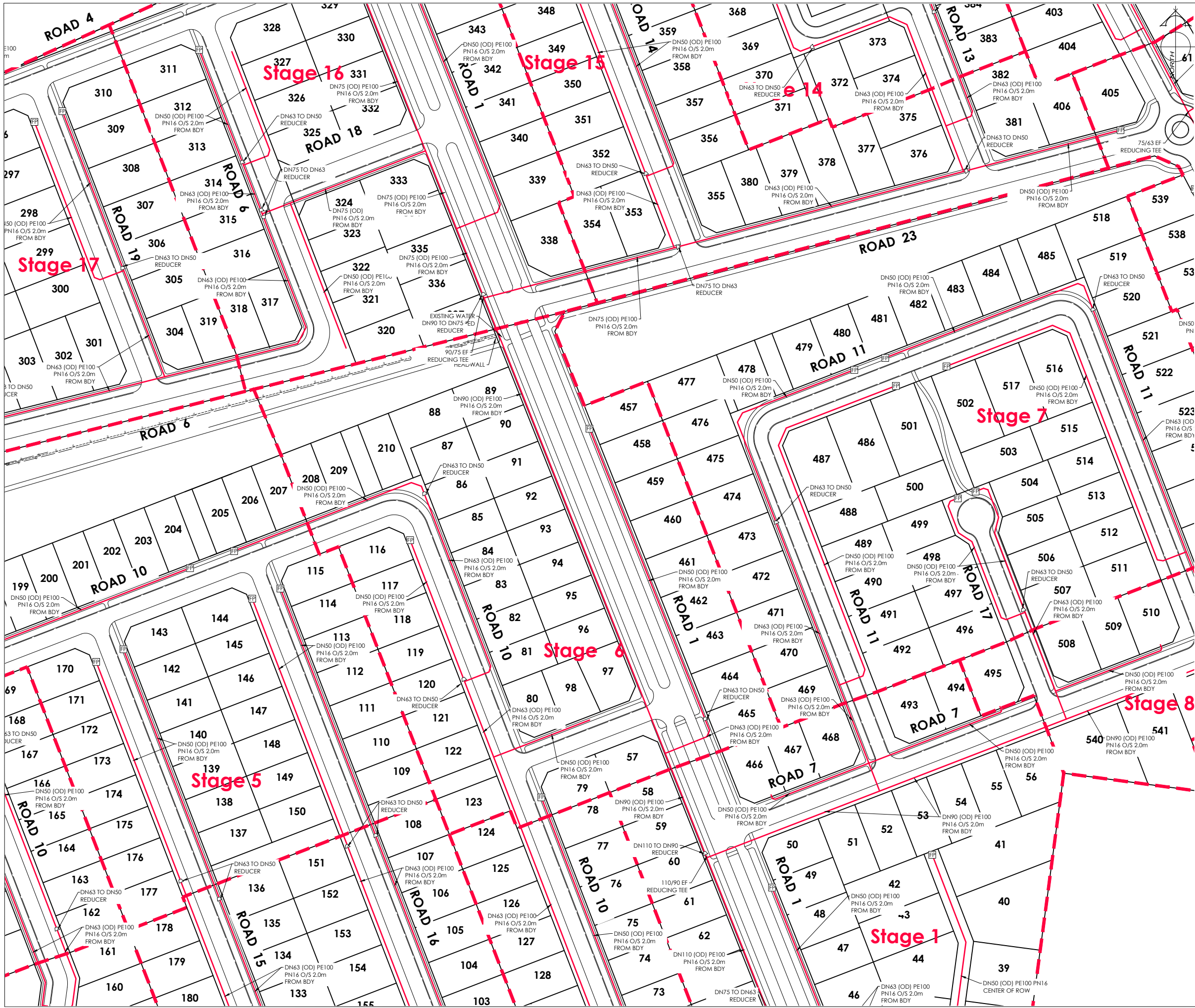
CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN: DG

DRAWING No: H21112

SHEET No: 29 OF 31

REVISION: R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & WATER LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	NO CHANGE THIS SHEET

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

FLUSHING POINT

REDUCER

EXISTING SERVICES

PROPOSED SERVICES

PRESSURE SEWER

PRESSURE SEWER

EXISTING SERVICES

PROPOSED SERVICES

KERB

KERB

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679

Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Engineering Concept
Pressure Sewer Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3

DATE: July 2026

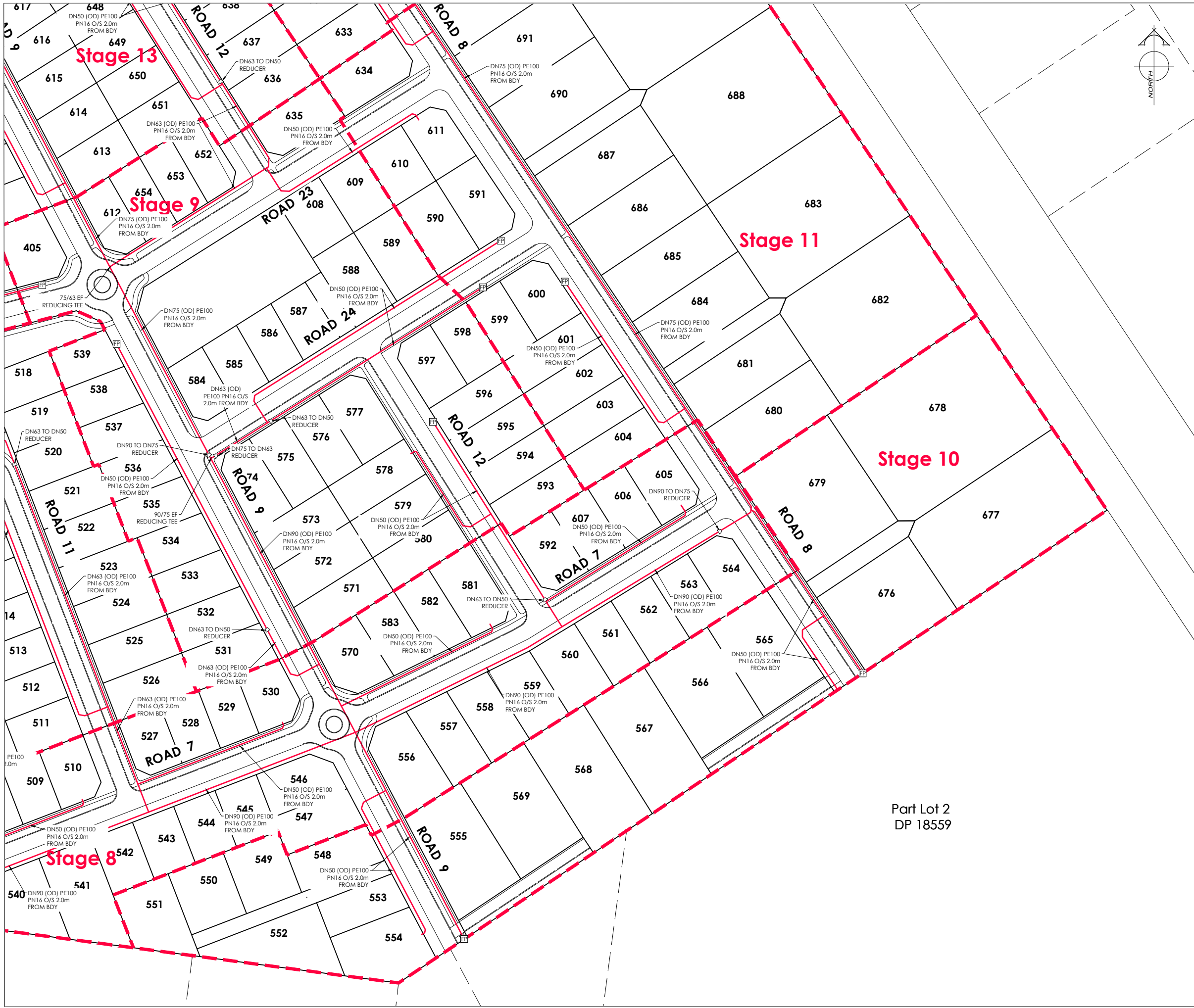
CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg

DRAWN : DG

DRAWING No : H21112

SHEET No: 30 OF 31

REVISION: R6



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & WATER LAYOUT UPDATED
R5	11/06/26	ROADS 1 & 8 AMENDED
R6	3/07/26	NO CHANGE THIS SHEET

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

FLUSHING POINT 

EXISTING SERVICES 

EXISTING SERVICES 

KERB 

REDUCER 

PROPOSED SERVICES 

PROPOSED SERVICES 

PROPOSED SERVICES 


DAVE LOVELL-SMITH
PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

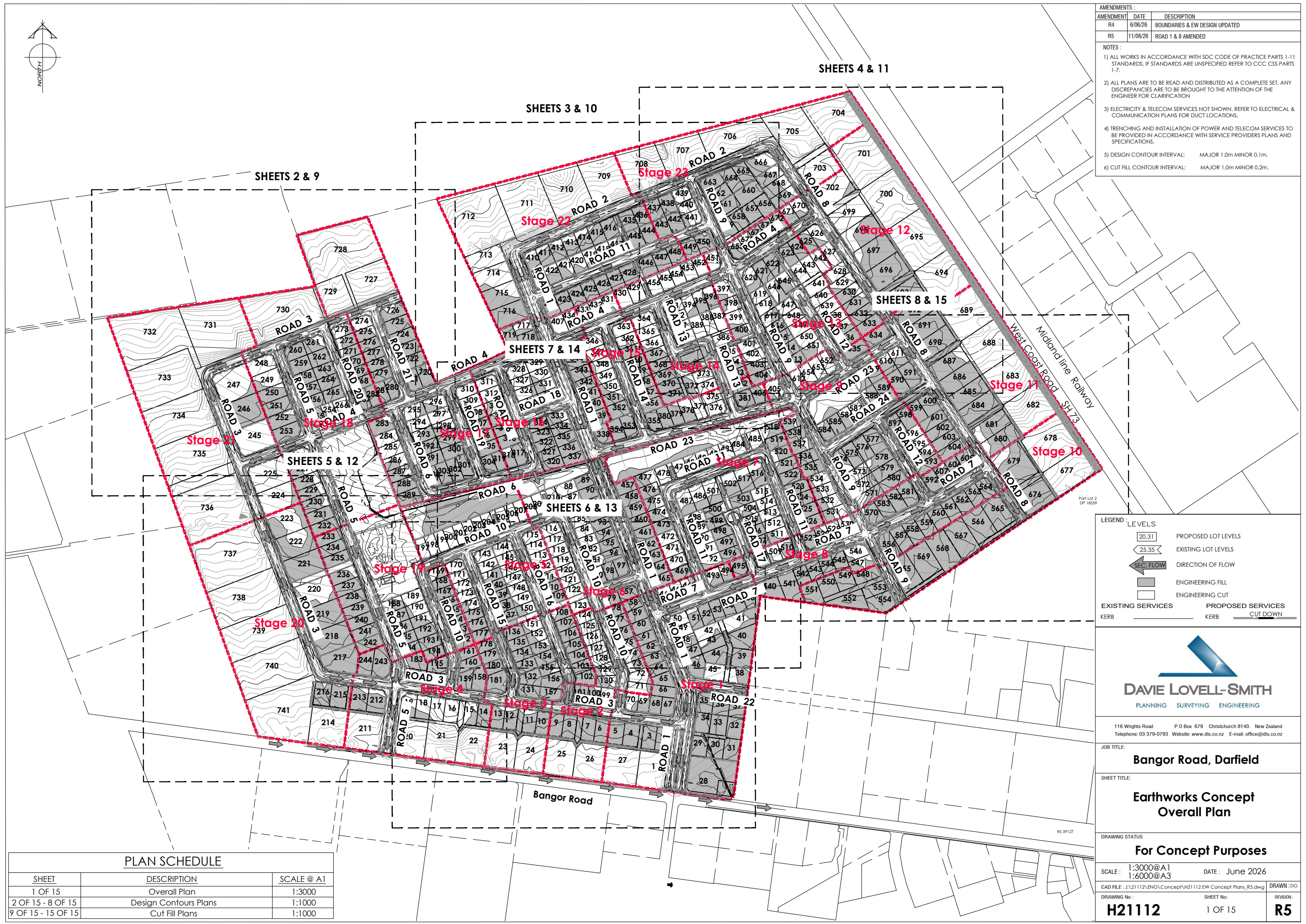
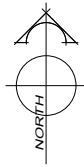
JOB TITLE:
Bangor Road, Darfield

SHEET TITLE:
Engineering Concept
Pressure Sewer Plan

DRAWING STATUS:
For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3
DATE: July 2026

CAD FILE: J:\21112\ENG\Concept\H21112 Eng Concept Plans_R6.dwg
DRAWING No: H21112
SHEET No: 31 OF 31
REVISION: R6



AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & EW DESIGN UPDATED
R5	11/06/26	ROAD 1 & 8 AMENDED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) DESIGN CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.1m.

6) CUT FILL CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.2m.

LEGEND :	
LEVELS	
20.31	PROPOSED LOT LEVELS
25.35	EXISTING LOT LEVELS
SEC. FLOW	DIRECTION OF FLOW
ENGINEERING FILL	ENGINEERING FILL
ENGINEERING CUT	ENGINEERING CUT
EXISTING SERVICES	PROPOSED SERVICES
KERB	KERB CUT DOWN



DAVE LOVELL-SMITH
PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:
Bangor Road, Darfield

SHEET TITLE:
Earthworks Concept Overall Plan

DRAWING STATUS:
For Concept Purposes

SCALE: 1:3000@A1 DATE: June 2026
1:6000@A3

CAD FILE: J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg DRAWN: DG

DRAWING No: H21112 SHEET No: 1 OF 15 REVISION: R5

PLAN SCHEDULE		
SHEET	DESCRIPTION	SCALE @ A1
1 OF 15	Overall Plan	1:3000
2 OF 15 - 8 OF 15	Design Contours Plans	1:1000
9 OF 15 - 15 OF 15	Cut Fill Plans	1:1000



AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & DESIGN CONTOURS UPDATED
R5	11/06/26	DESIGN CONTOURS UPDATED
NOTES :		
1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7. 2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION 3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS. 4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS. 5) DESIGN CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.1m.		
LEGEND :		
LEVELS		
	PROPOSED LOT LEVELS	
	EXISTING LOT LEVELS	
	DIRECTION OF FLOW	
EXISTING SERVICES		
KERB	_____	_____
PROPOSED SERVICES		
KERB	_____	CUT DOWN _____
DAVE LOVELL-SMITH PLANNING SURVEYING ENGINEERING		
116 Wrights Road P O Box 679 Christchurch 8140. New Zealand Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz		
JOB TITLE:		
Bangor Road, Darfield		
SHEET TITLE:		
Earthworks Concept Design Contours		
DRAWING STATUS		
For Concept Purposes		
SCALE: 1:1000@A1 1:2000@A3		DATE: June 2026
CAD FILE : J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg		DRAWN : DG
DRAWING No :	SHEET No:	REVISION :
H21112	2 OF 15	R5



Section 1
SO 438579

AMENDMENTS:		
AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & DESIGN CONTOURS UPDATED
R5	11/06/26	DESIGN CONTOURS UPDATED

NOTES:

- 1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
- 2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION
- 3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.
- 4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.
- 5) DESIGN CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.1m.

LEGEND:

LEVELS

20.31 PROPOSED LOT LEVELS

25.35 EXISTING LOT LEVELS

SEC. FLOW DIRECTION OF FLOW

EXISTING SERVICES PROPOSED SERVICES

KERB KERB CUT DOWN

DAVE LOVELL-SMITH
PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:
Bangor Road, Darfield

SHEET TITLE:
**Earthworks Concept
Design Contours**

DRAWING STATUS:
For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3 DATE: June 2026

CAD FILE: J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg DRAWN: DG

DRAWING No.: **H21112** SHEET No.: 3 OF 15 REVISION: **R5**



AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & DESIGN CONTOURS UPDATED
R5	11/06/26	DESIGN CONTOURS UPDATED

NOTES :

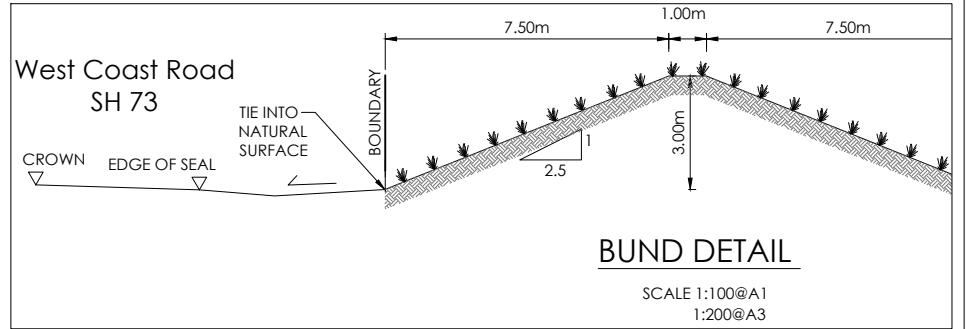
1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) DESIGN CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.1m.



LEGEND :

LEVELS

20.31 PROPOSED LOT LEVELS

25.35 EXISTING LOT LEVELS

SEC. FLOW DIRECTION OF FLOW

EXISTING SERVICES KERB

PROPOSED SERVICES KERB CUT DOWN

DAVE LOVELL-SMITH
PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:
Bangor Road, Darfield

SHEET TITLE:
Earthworks Concept Design Contours

DRAWING STATUS:
For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3

DATE: June 2026

CAD FILE: J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg

DRAWING No.: **H21112**

SHEET No.: 4 OF 15

REVISION: **R5**



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & DESIGN CONTOURS UPDATED
R5	11/06/26	DESIGN CONTOURS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) DESIGN CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.1m.

LEGEND :

LEVELS

20.31

25.35

PROPOSED LOT LEVELS

EXISTING LOT LEVELS

SEC. FLOW

DIRECTION OF FLOW

EXISTING SERVICES

PROPOSED SERVICES

KERB

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Earthworks Concept Design Contours

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1 1:2000@A3

DATE: June 2026

CAD FILE: J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg

DRAWING No: H21112

SHEET No: 5 OF 15

REVISION: R5



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & DESIGN CONTOURS UPDATED
R5	11/06/26	DESIGN CONTOURS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) DESIGN CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.1m.

LEGEND :

LEVELS

20.31

PROPOSED LOT LEVELS

25.35

EXISTING LOT LEVELS

SEC. FLOW

DIRECTION OF FLOW

EXISTING SERVICES

PROPOSED SERVICES

KERB

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Earthworks Concept Design Contours

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1

DATE: June 2026

1:2000@A3

CAD FILE : J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg

DRAWN : DG

DRAWING No :

SHEET No:

REVISION :

H21112

6 OF 15

R5



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & DESIGN CONTOURS UPDATED
R5	11/06/26	DESIGN CONTOURS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) DESIGN CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.1m.

LEGEND :

LEVELS

20.31

PROPOSED LOT LEVELS

25.35

EXISTING LOT LEVELS

SEC.FLOW

DIRECTION OF FLOW

EXISTING SERVICES

KERB

PROPOSED SERVICES

KERB CUT DOWN



DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Earthworks Concept Design Contours

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1 1:2000@A3

DATE: June 2026

CAD FILE: J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg

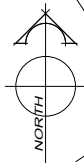
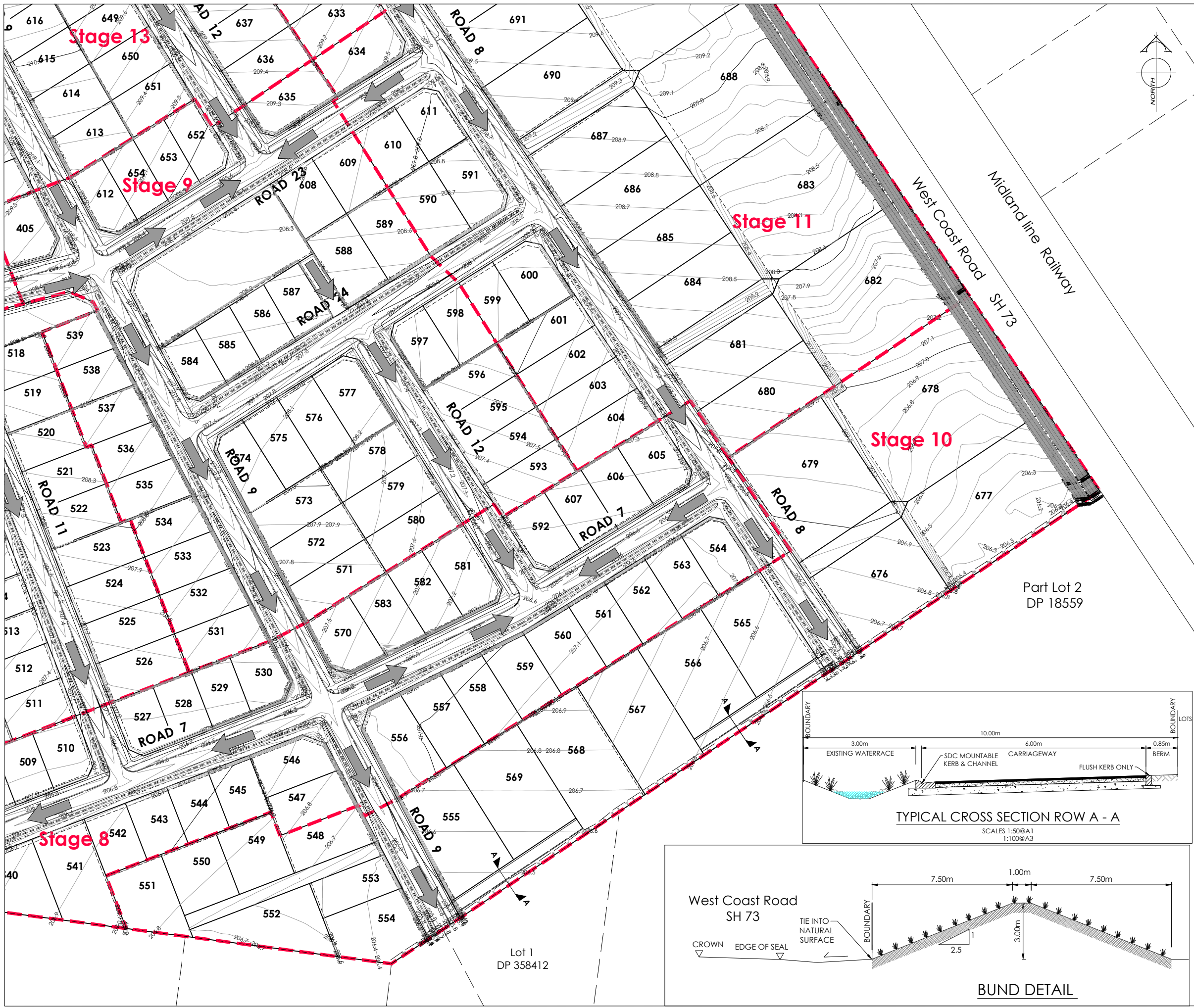
DRAWING No: H21112

SHEET No: 7 OF 15

REVISION: R5

Lot 1

DP 81020



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & DESIGN CONTOURS UPDATED
R5	11/06/26	DESIGN CONTOURS UPDATED & CROSS SECTION DETAIL ADDED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) DESIGN CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.1m.

LEGEND :

LEVELS

20.31

25.35

SEC. FLOW

PROPOSED LOT LEVELS

EXISTING LOT LEVELS

DIRECTION OF FLOW

EXISTING SERVICES

PROPOSED SERVICES

KERB

KERB

CUT DOWN

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:
Bangor Road, Darfield

SHEET TITLE:
Earthworks Concept
Design Contours

DRAWING STATUS:
For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3

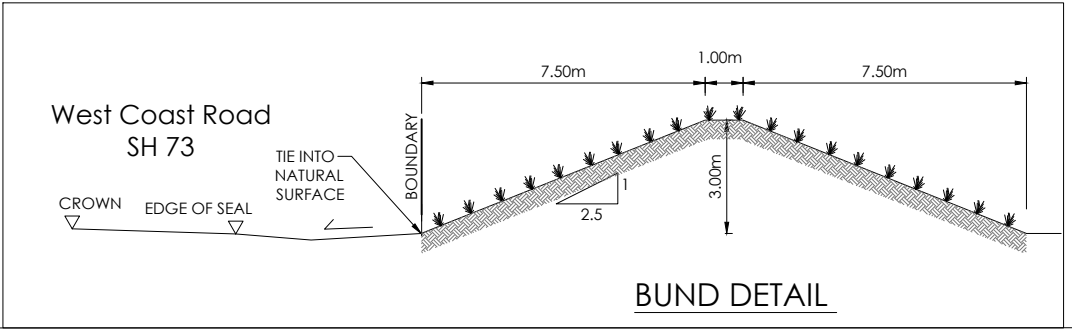
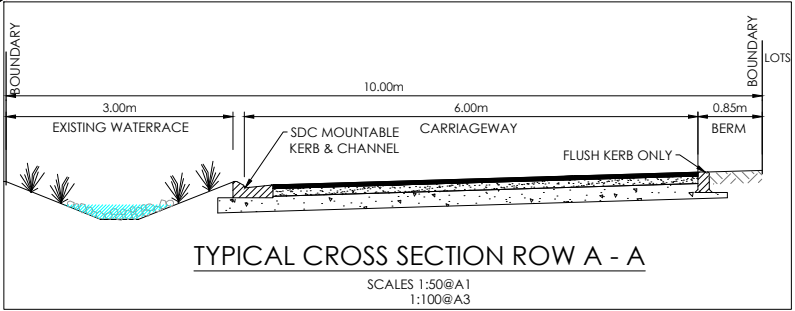
DATE: June 2026

CAD FILE: J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg

DRAWING No: H21112

SHEET No: 8 OF 15

REVISION: R5





AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & CUT FILL CONTOURS UPDATED
R5	11/06/26	CUT FILL CONTOURS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) CUT FILL CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.2m.

LEGEND :

LEVELS

20.31

PROPOSED LOT LEVELS

25.35

EXISTING LOT LEVELS

SEC. FLOW

DIRECTION OF FLOW

ENGINEERING FILL

ENGINEERING CUT

EXISTING SERVICES

KERB

PROPOSED SERVICES

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Earthworks Concept
Cut Fill Plan

DRAWING STATUS

For Concept Purposes

SCALE : 1:1000@A1 1:2000@A3

DATE : June 2026

CAD FILE : J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg

DRAWN : DG

DRAWING No : H21112

SHEET No : 9 OF 15

REVISION : R5



Section 1
SO 438579

AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & CUT FILL CONTOURS UPDATED
R5	11/06/26	CUT FILL CONTOURS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN, REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) CUT FILL CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.2m.

LEGEND :

LEVELS

20.31

PROPOSED LOT LEVELS

25.35

EXISTING LOT LEVELS

SEC. FLOW

DIRECTION OF FLOW

ENGINEERING FILL

ENGINEERING CUT

EXISTING SERVICES

PROPOSED SERVICES

KERB

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Earthworks Concept
Cut Fill Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1 DATE: June 2026

1:2000@A3

CAD FILE : J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg

DRAWN : DG

DRAWING No : SHEET No: REVISION :

H21112 10 OF 15 R5



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & CUT FILL CONTOURS UPDATED
R5	11/06/26	CUT FILL CONTOURS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) CUT FILL CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.2m.

LEGEND :

LEVELS

20.31

25.35

SEC. FLOW

PROPOSED LOT LEVELS

EXISTING LOT LEVELS

DIRECTION OF FLOW

ENGINEERING FILL

ENGINEERING CUT

EXISTING SERVICES

PROPOSED SERVICES

KERB

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Earthworks Concept
Cut Fill Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3

DATE: June 2026

CAD FILE: J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg

DRAWING No: H21112

SHEET No: 11 OF 15

REVISION: R5



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & CUT FILL CONTOURS UPDATED
R5	11/06/26	CUT FILL CONTOURS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) CUT FILL CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.2m.

LEGEND :

LEVELS

20.31

25.35

PROPOSED LOT LEVELS

EXISTING LOT LEVELS

SEC. FLOW

DIRECTION OF FLOW

ENGINEERING FILL

ENGINEERING CUT

EXISTING SERVICES

PROPOSED SERVICES

KERB

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679

Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Earthworks Concept
Cut Fill Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3

DATE: June 2026

CAD FILE : J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg

DRAWN : DG

DRAWING No : H21112

SHEET No: 12 OF 15

REVISION: R5



AMENDMENTS:

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & CUT FILL CONTOURS UPDATED
R5	11/06/26	CUT FILL CONTOURS UPDATED

NOTES:

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) CUT FILL CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.2m.

LEGEND:

LEVELS

20.31

25.35

PROPOSED LOT LEVELS

EXISTING LOT LEVELS

SEC. FLOW

DIRECTION OF FLOW

ENGINEERING FILL

ENGINEERING CUT

EXISTING SERVICES

PROPOSED SERVICES

KERB

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Earthworks Concept
Cut Fill Plan

DRAWING STATUS:

For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3

DATE: June 2026

CAD FILE: J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg

DRAWN: DG

DRAWING No: H21112

SHEET No: 13 OF 15

REVISION: R5



AMENDMENTS:

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & CUT FILL CONTOURS UPDATED
R5	11/06/26	CUT FILL CONTOURS UPDATED

NOTES:

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN, REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) CUT FILL CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.2m.

LEGEND:

LEVELS

20.31

25.35

PROPOSED LOT LEVELS

EXISTING LOT LEVELS

SEC. FLOW

DIRECTION OF FLOW

ENGINEERING FILL

ENGINEERING CUT

EXISTING SERVICES

PROPOSED SERVICES

KERB

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Earthworks Concept
Cut Fill Plan

DRAWING STATUS:

For Concept Purposes

SCALE: 1:1000@A1 1:2000@A3

DATE: June 2026

CAD FILE: J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg

DRAWN: DG

DRAWING No: H21112

SHEET No: 14 OF 15

REVISION: R5

Lot 1
DP 81020



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	6/06/26	BOUNDARIES & CUT FILL CONTOURS UPDATED
R5	11/06/26	CUT FILL CONTOURS UPDATED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) CUT FILL CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.2m.

LEGEND :

LEVELS

20.31

25.35

SEC. FLOW

ENGINEERING FILL

ENGINEERING CUT

EXISTING SERVICES

PROPOSED SERVICES

KERB

KERB

CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road, Darfield

SHEET TITLE:

Earthworks Concept
Cut Fill Plan

DRAWING STATUS

For Concept Purposes

SCALE: 1:1000@A1
1:2000@A3

DATE: June 2026

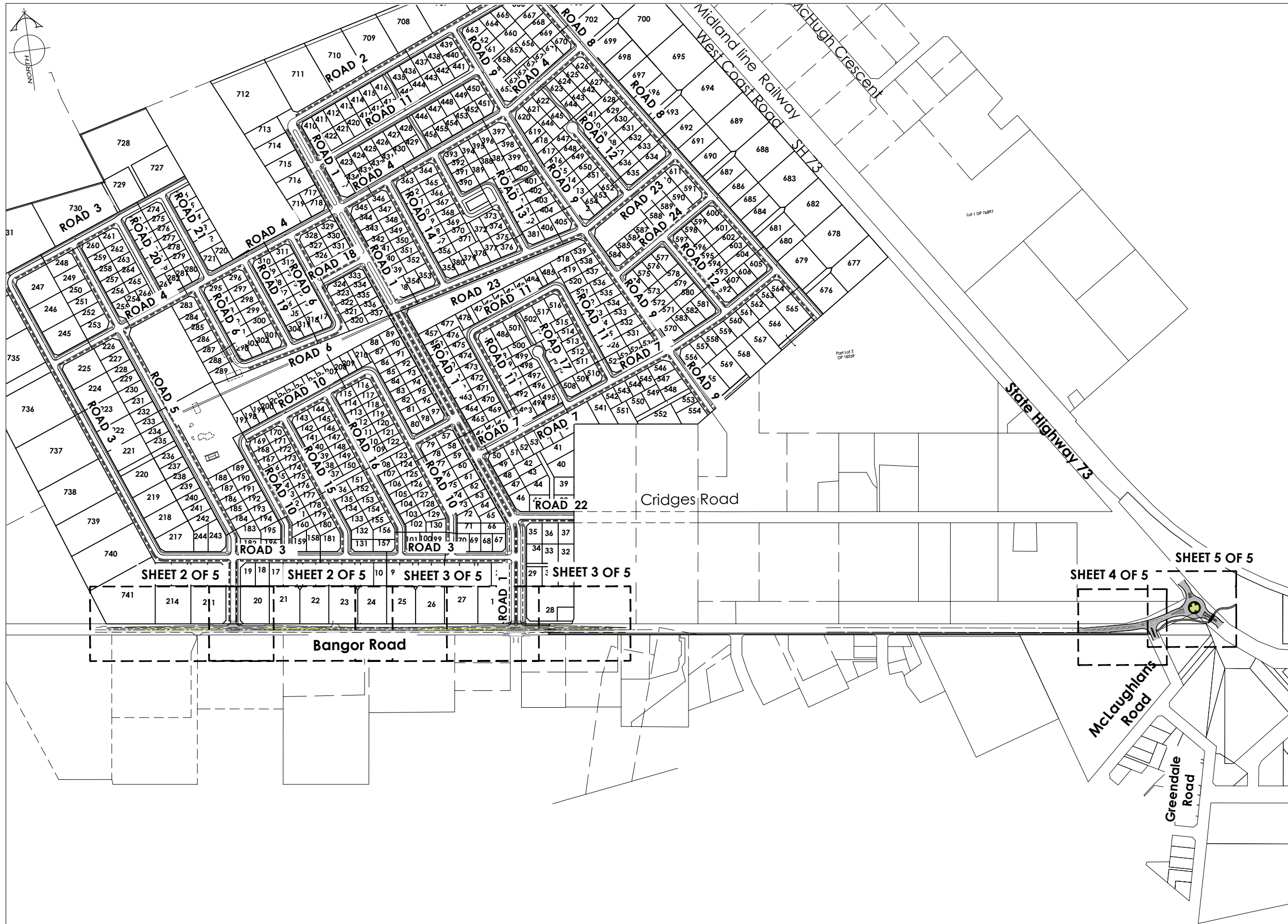
CAD FILE : J:\21112\ENG\Concept\H21112 EW Concept Plans_R5.dwg

DRAWN : DG

DRAWING No : H21112

SHEET No: 15 OF 15

REVISION : R5



PLAN SCHEDULE		
SHEET	DESCRIPTION	SCALE @ A1
1 of 5	Overall Plan	1:3500
2 of 5 - 3 of 5	Bangor Road Intersections Plan	1:500
4 of 5	McLaughlins Intersection	1:250
5 of 5	SH73 Roadabout	1:250

AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R1	7.07.26	NO CHANGE THIS SHEET

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

HD

HUGHES DEVELOPMENTS

LEGEND :

STORMWATER SWALE

NEW ASPHALT PAVEMENT

CHIP SEAL

EXISTING SERVICES

EXISTING EDGE OF SEAL

KERB

NEW FOOTPATH

PROPOSED SERVICES

KERB

CUT DOWN

DAVIE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

Bangor Road Upgrade, Darfield

SHEET TITLE:

Overall Plan

DRAWING STATUS:

For Concept Purposes

SCALE: 1:3500@A1 1:7000@A3

DATE: July 2026

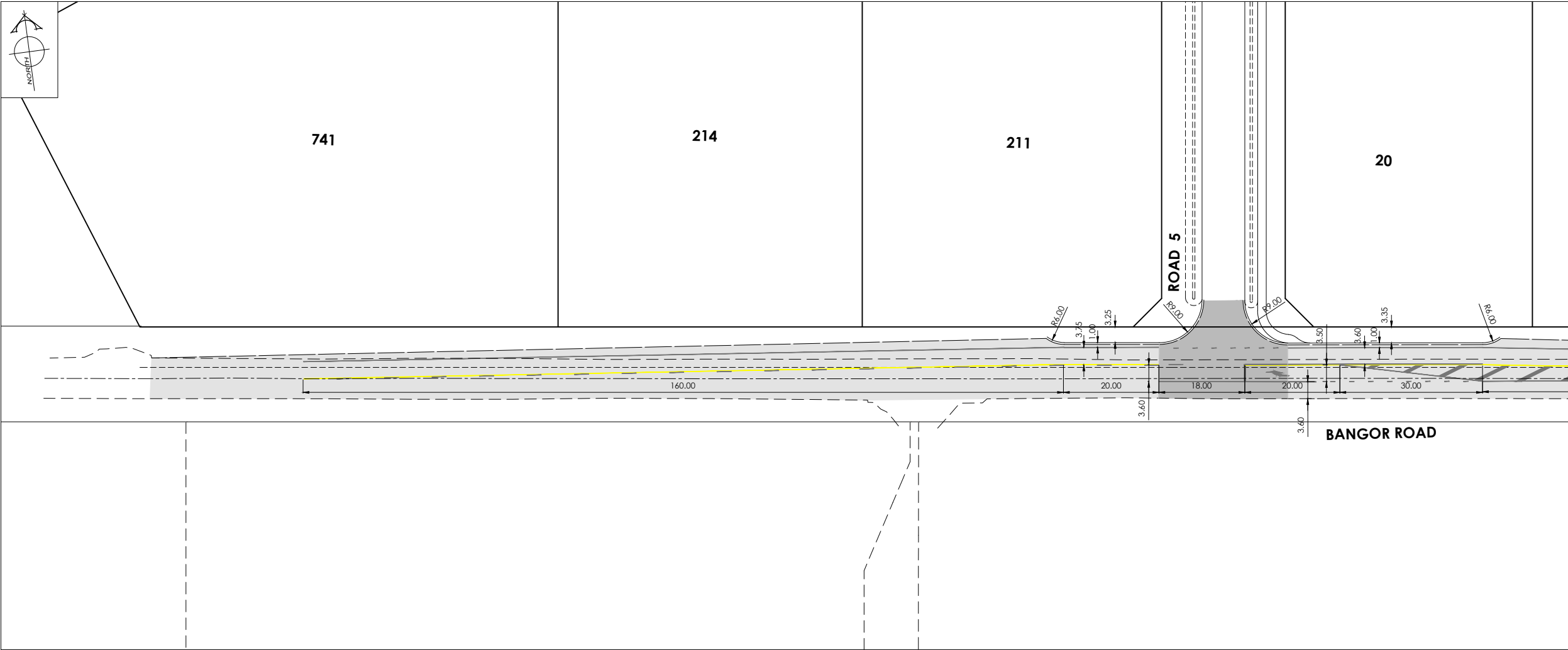
CAD FILE: J:\2021\112\ENG\Drawings\Bangor Road Upgrade\H21112_Bangor Rd Upgrade E01 D1.dwg

DRAWING No: SHEET No: REVISION :

H21112

1 of 5

R1



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R1	7.07.26	NO CHANGE THIS SHEET

NOTES :

1. ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2. ORIGIN OF LEVELS IS III DP 33396 (BCTN) STAINLESS STEEL PIN IN CONCRETE RL=73.074m. LOCATED IN THE BERM ON JOWERS ROAD. LEVELS ARE IN TERMS OF NEW ZEALAND VERTICAL DATUM 2016.

3. METAL DEPTHS TO BE CONFIRMED OR INCREASED BY ENGINEER FOLLOWING CHECKING OF SUBGRADE CBR STRENGTH ONCE EXCAVATED.

4. ELECTRICITY & TELECOM SERVICES NOT SHOWN, REFER TO ELECTRICAL / TELECOM STREETLIGHT RETICULATION PLANS FOR RELEVANT DETAILS.

5. EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED. ALL SERVICES TO BE FULLY SEARCHED & PILOTED PRIOR TO TRENCHING.

6. CARRIAGEWAY & FOOTPATH ACCEPTANCE TESTING IN ACCORDANCE WITH SDC CODE OF PRACTICE PART 8, CCC CSS PART 6 & CCC IDS.

7. FOOTPATH BASECOURSE TESTING - MINIMUM CLEGG HAMMER VALUE OF 25 REQUIRED FOR FOOTPATHS & RESIDENTIAL CROSSINGS. 35 FOR COMMERCIAL CROSSINGS.

8. KERB & CHANNEL BASECOURSE TESTING - MINIMUM DRY DENSITY OF 2100kg/m³ WITH 75% EQUAL OR EXCEEDING 2150kg/m³.

9. ROAD BASECOURSE TESTING - MAXIMUM BENKELMAN BEAM DEFLECTION OF 1.6mm WITH 95% OF RESULTS BELOW 2.0mm & 1.2mm FOR SH73.

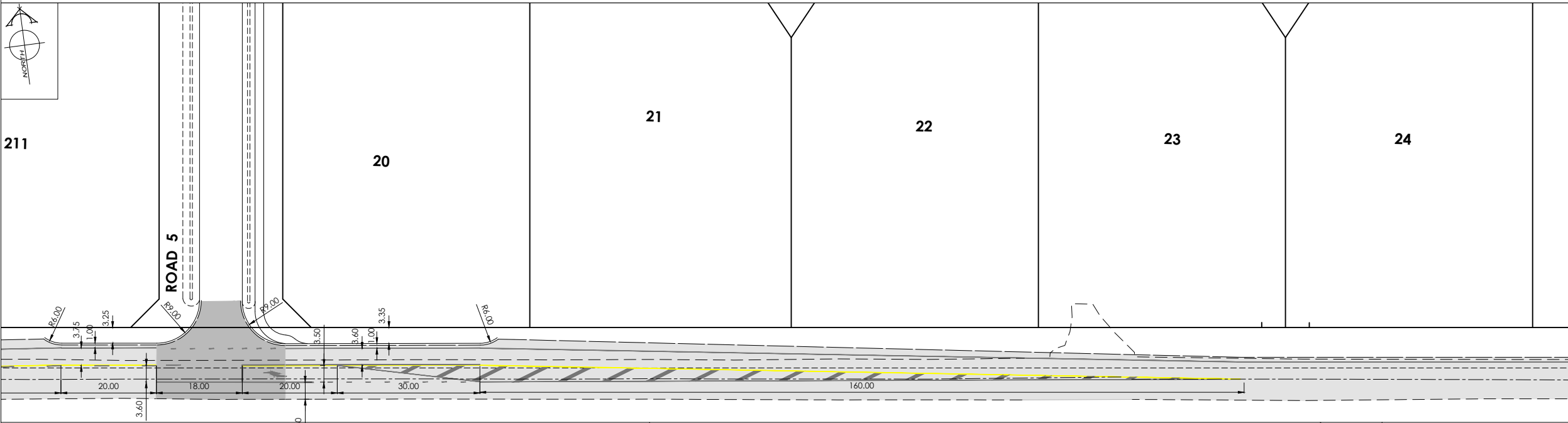
10. AP65 SUB-BASE TESTING. MINIMUM DRY DENSITY 95% MDD ON EACH 150mm LIFT.

11. ALL AC FOOTPATHS TO CCC CSS SD607; SD608 CONCRETE.

12. DRAWINGS TO BE DISTRIBUTED AND READ AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.

13. TACTILE AND DIRECTIONAL PAVERS TO BE INSTALLED IN ACCORDANCE WITH RTS14. ICONS SHOWN ARE INDICATIVE ONLY.

14. STREET LIGHT LOCATIONS TO BE CONFIRMED.



LEGEND :

STORMWATER SWALE

NEW ASPHALT PAVEMENT

NEW FOOTPATH

CHIP SEAL

EXISTING SERVICES

EXISTING EDGE OF SEAL

EXISTING KERB

PROPOSED SERVICES

PROPOSED EDGE OF SEAL

PROPOSED KERB

CUT DOWN

116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

Bangor Road Intersection,
Darfield

SHEET TITLE:
Roading Layout

DRAWING STATUS:
For Concept Purposes

SCALE : 1:500@A1
1:1000@A3

CAD FILE : J:\21112\H2112\Drawings\B1\Bangor Road Upgrade\B1_2_R1.dwg

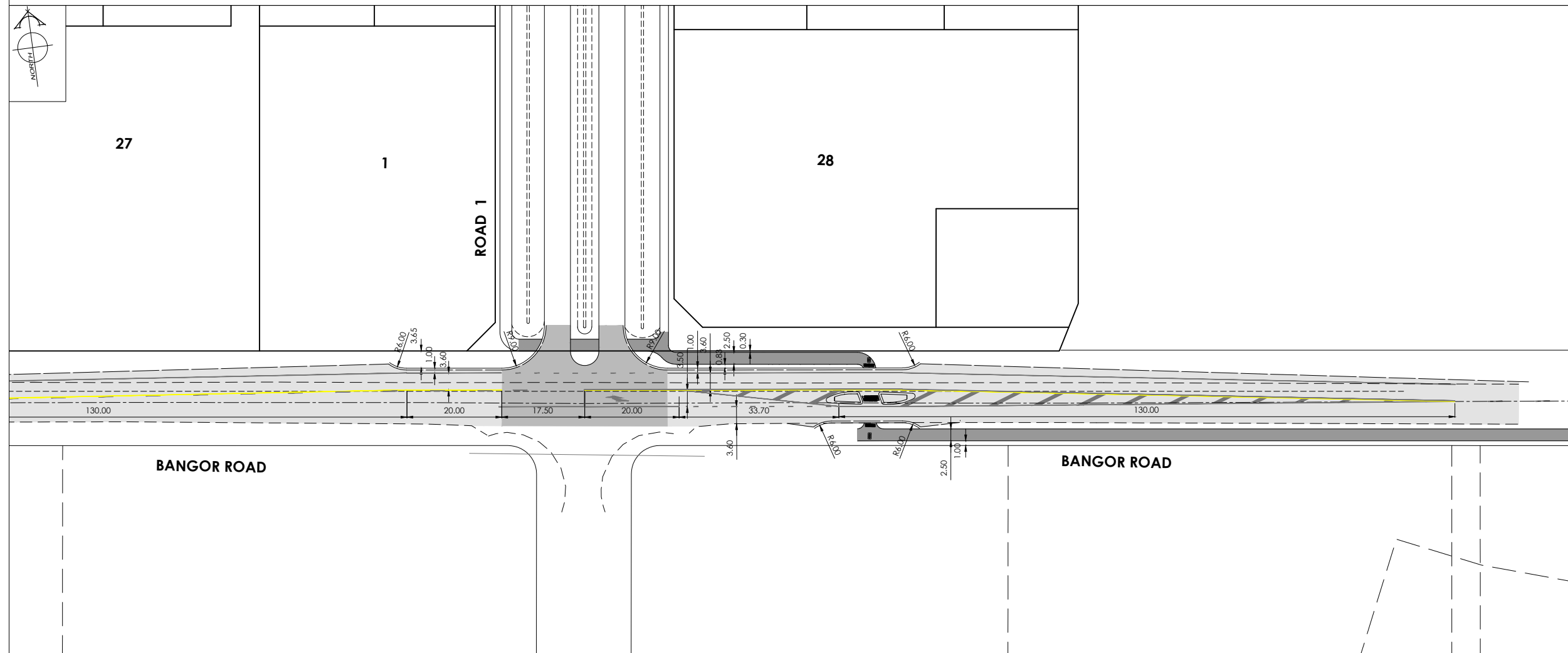
DRAWING No :
H21112

DATE : July 2026

REVISION :
2 of 5

REVISION :
R1

DRAWN : DG



AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R1	7.07.26	NO CHANGE THIS SHEET
NOTES :		
1. ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.		
2. ORIGIN OF LEVELS IS III DP 33396 (BCTN) STAINLESS STEEL PIN IN CONCRETE RL=73.076m. LOCATED IN THE BERM ON JOWERS ROAD. LEVELS ARE IN TERMS OF NEW ZEALAND VERTICAL DATUM 2016.		
3. METAL DEPTHS TO BE CONFIRMED OR INCREASED BY ENGINEER FOLLOWING CHECKING OF SUBGRADE CBR STRENGTH ONCE EXCAVATED.		
4. ELECTRICITY & TELECOM SERVICES NOT SHOWN, REFER TO ELECTRICAL TELECOM STREETLIGHT RETICULATION PLANS FOR RELEVANT DETAILS.		
5. EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED, ALL SERVICES TO BE FULLY SEARCHED & PILOTTED PRIOR TO TRENCHING.		
6. CARRIAGEWAY & FOOTPATH ACCEPTANCE TESTING IN ACCORDANCE WITH SDC CODE OF PRACTICE PART 8, CCC CSS PART 6 & CCC IDS.		
7. FOOTPATH BASECOURSE TESTING - MINIMUM CLEGG HAMMER VALUE OF 25 REQUIRED FOR FOOTPATHS & RESIDENTIAL CROSSINGS. 35 FOR COMMERCIAL CROSSINGS.		
8. KERB & CHANNEL BASECOURSE TESTING - MINIMUM DRY DENSITY OF 2100kg/m³ WITH 75% EQUAL OR EXCEEDING 2150kg/m³.		
9. ROAD BASECOURSE TESTING - MAXIMUM BENKELMAN BEAM DEFLECTION OF 1.6mm WITH 95% OF RESULTS BELOW 2.0mm & 1.2mm FOR SH73.		
10. AP65 SUB-BASE TESTING, MINIMUM DRY DENSITY 95% MDD ON EACH 150mm LIFT.		
11. ALL AC FOOTPATHS TO CCC CSS SD607; SD608 CONCRETE.		
12. DRAWINGS TO BE DISTRIBUTED AND READ AS A COMPLETE SET, ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.		
13. TACTILE AND DIRECTIONAL PAVERS TO BE INSTALLED IN ACCORDANCE WITH RTS14, ICONS SHOWN ARE INDICATIVE ONLY.		
14. STREET LIGHT LOCATIONS TO BE CONFIRMED.		
HUGHES DEVELOPMENTS		
LEGEND :		
STORMWATER SWALE		
NEW ASPHALT PAVEMENT NEW FOOTPATH CHIP SEAL		
EXISTING SERVICES PROPOSED SERVICES		
EXISTING EDGE OF SEAL ----- KERB _____ KERB <u>CUT DOWN</u>		
DAVIE LOVELL-SMITH PLANNING SURVEYING ENGINEERING		
116 Wrights Road P O Box 679 Christchurch 8140, New Zealand Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz		
JOB TITLE:		
Bangor Road Intersection, Darfield		
SHEET TITLE:		
Roading Layout		
DRAWING STATUS		
For Concept Purposes		
SCALE : 1:500@A1 1:1000@A3		
DATE : July 2026		
CAD FILE : J:\21112\H2112\Drawings\Bangor Road Upgrade\H2112_Bangor Rd Upgrade EDI_C_R1.dwg		
DRAWN : DG		
DRAWING No : H21112		
SHEET No: 3 of 5		
REVISION : R1		



AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R1	7.07.26	SHEET ADDED

NOTES :

- 1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1- STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PART 1-7.
- 2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION
- 3) ELECTRICITY & TELECOM SERVICES NOT SHOWN, REFER TO ELECTRICAL COMMUNICATION PLANS FOR DUCT LOCATIONS.
- 4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.
- 5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED, ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING

LEGEND :

AC SURFACING		NEW FOOTPATH	
EXPOSED AGGREGATE		COLORLED CONCRETE	
COBBLES		LANDSCAPING	

EXISTING SERVICES	PROPOSED SERVICES
KERB	KERB CUT DOWN



116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

**McLaughlins Intersection
Concept Layout**

SHEET TITLE:

Roading Layout

DRAWING STATUS

For Concept Purposes

SCALE: 1:250@A1
1:500@A3

CAD FILE : j:\21112\BAG\Drawings\Banger Road Upgrade\H2112_Banger Rd Upgrade E01.0_R1.dwg		DRAWN
DRAWING No : H21112	SHEET No: 4 OF 5	REVISION R1



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R1	7.07.26	SHEET ADDED

NOTES :

1) ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.

2) ALL PLANS ARE TO BE READ AND DISTRIBUTED AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION

3) ELECTRICITY & TELECOM SERVICES NOT SHOWN, REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.

4) TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.

5) EXISTING SERVICES HAVE BEEN DIGITISED FROM SERVICE AUTHORITY PLANS; COMPLETENESS AND ACCURACY ARE NOT GUARANTEED, ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

LEGEND :

AC SURFACING

EXPOSED AGGREGATE

COBBLES

EXISTING SERVICES

KERB

NEW FOOTPATH

COLORED CONCRETE

LANDSCAPING

PROPOSED SERVICES

KERB CUT DOWN

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

116 Wrights Road

P O Box 679 Christchurch 8140. New Zealand

Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:

SH73 Roundabout
Concept Layout

SHEET TITLE:

Roading Layout

DRAWING STATUS

For Concept Purposes

SCALE: 1:250@A1
1:500@A3

DATE: July 2026

CAD FILE : J:\21112\BHG Drawings\Bangor Road Upgrade\H21112_Bangor Rd Upgrade E01.0_R1.dwg

DRAWING No : H21112

SHEET No: 5 OF 5

DRAWN : DG

REVISION : R1