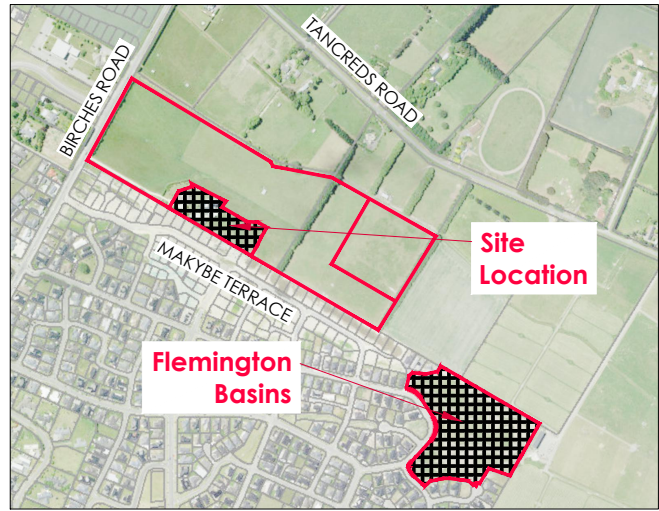
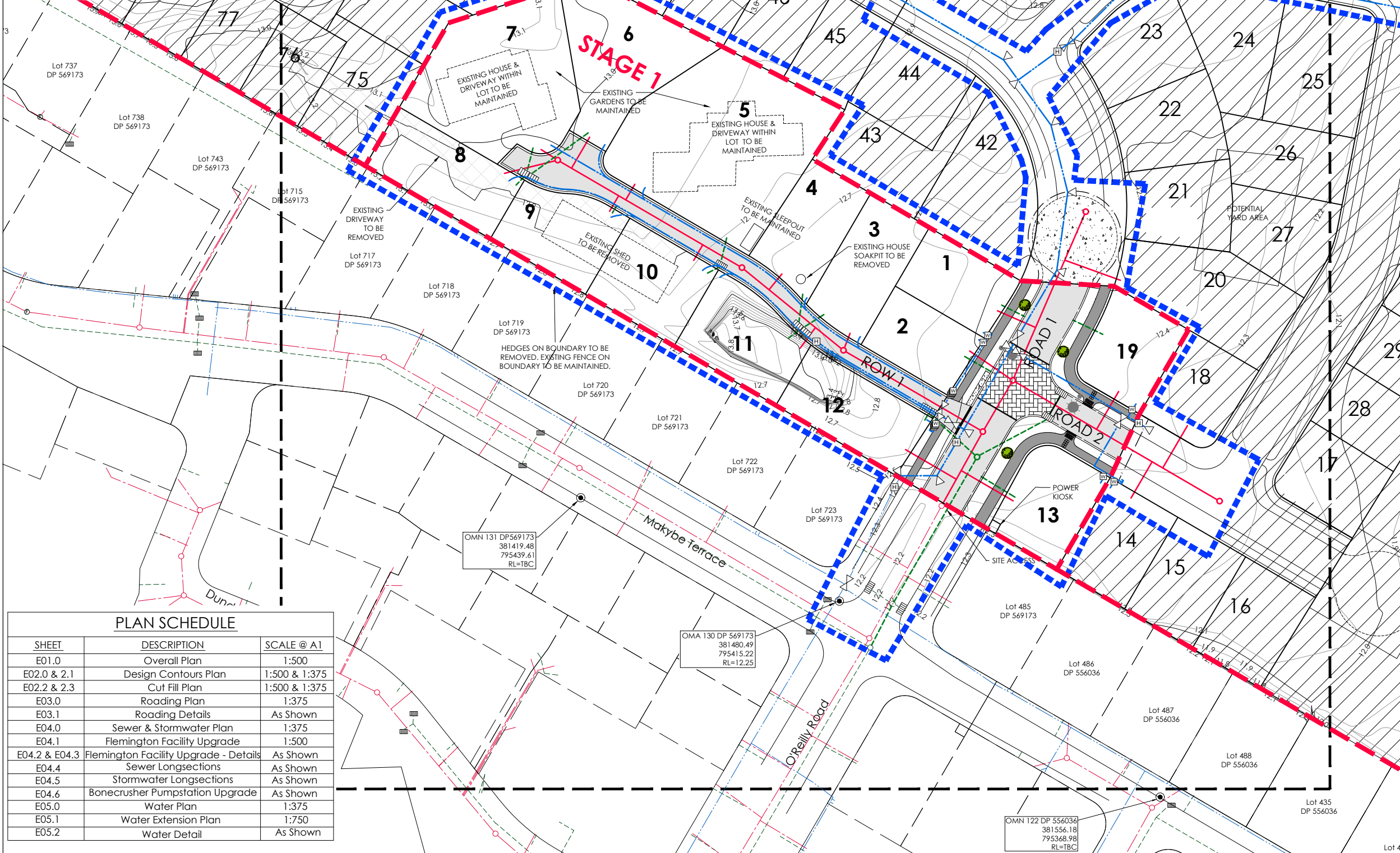




LOCATION PLAN

Scale: 1:7500@A1
1:15000@A3



AMENDMENTS:

AMENDMENT	DATE	DESCRIPTION
R4	9/12/25	WATER SUPPLY UPDATED
R5	11/12/25	NO CHANGES THIS SHEET
R6	19/02/26	NO CHANGES THIS SHEET
R7	23/03/26	NO CHANGES THIS SHEET

NOTES:

- ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS. IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
- 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.
- ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.
- TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.
- 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.
- CONTOUR INTERVAL: 0.1m MINOR. 0.5m MAJOR.
- ORIGIN OF LEVELS
MA67 DP518987 (F5J0)
RL=1.39
- LEVELS IN TERMS OF NZVD 2016
- CONTROL OF SW, SEDIMENT AND DUST ON SITE IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL ROW AND DRIVEWAYS ARE TO HAVE 50mm DUCTS INSTALLED FOR COMMUNICATIONS AND POWER SUPPLY.
- ALL INTERNAL FENCES TO BE REMOVED FROM STAGE AREA.
- CONTAMINATED AREAS TO BE REMEDIATED PRIOR TO EARTHWORKS.

LEGEND:

	STAGE BOUNDARY
	EXTENT OF WORKS
	FLUSHING POINT
	STREET LIGHT
	PROPOSED TREE
	NEW ASPHALT PAVEMENT
	NEW CHIP SEAL PAVEMENT
	100mm BRUSHED CONCRETE
	NEW EXPOSED AGGREGATE CONCRETE
	NEW FOOTPATH
	COBBLES

EXISTING SERVICES

SANITARY SEWER	STD. MH
SANITARY SEWER	VENTED MH
STORMWATER	MH
WATER	FH VALVE
KERB	CUT DOWN

PROPOSED SERVICES

SANITARY SEWER	STD. MH
SANITARY SEWER	VENTED MH
STORMWATER	MH
WATER	FH VALVE METER
KERB	CUT DOWN

NAME	SIGNED	DATE
DESIGNED BY FERGUS MATLA		
CHECKED BY ANDY HALL		

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:

**555 Birchs Road, Lincoln
Stage 1
RC245532 & RC245534**

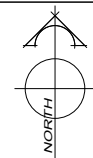
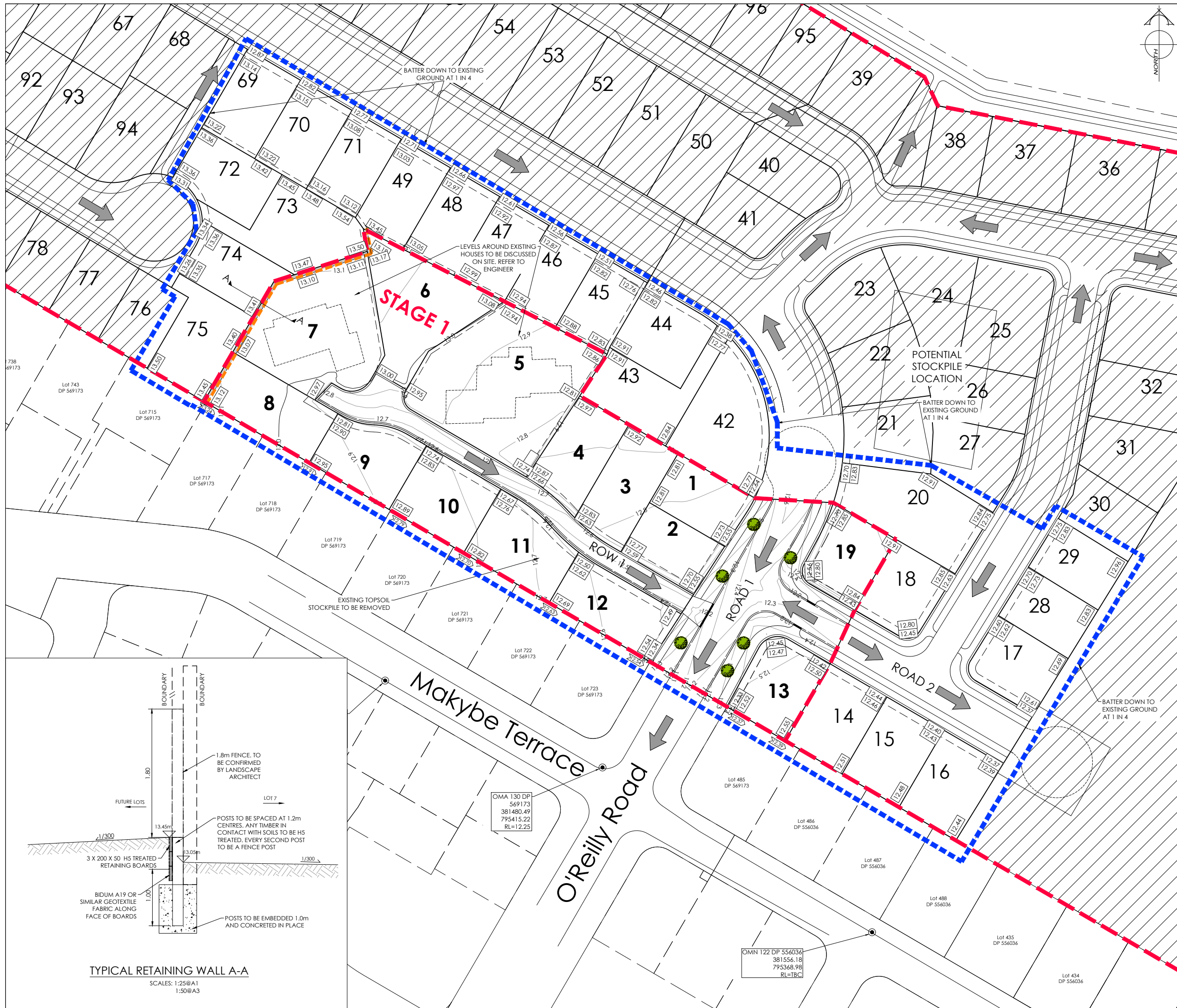
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Overall Plan

DRAWING STATUS

For Engineering Approval

SCALE: 1:500@A1 1:1000@A3	DATE: March 2026	
CAD FILE: J:\21270\Eng\Drawings\Stage 1\E21270_E01.0.R7.dwg	DRAWING No:	SHEET No:
E.21270	E01.0	R7



AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	9/12/25	NO CHANGES THIS SHEET
R5	11/12/25	NO CHANGES THIS SHEET
R6	19/02/26	NO CHANGES THIS SHEET
R7	23/03/26	DESIGN CONTOURS & BDY LEVELS UPDATED

- NOTES :
- ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
 - ORIGIN OF LEVELS**
MA67 DP518987 (F5J0)
RL=11.39

LEVELS IN TERMS OF NZVD 2016
 - METAL DEPTHS TO BE CONFIRMED OR INCREASED BY ENGINEER FOLLOWING CHECKING OF SUBGRADE CBR STRENGTH ONCE EXCAVATED.
 - ALL BERMS TO BE COVER WITH A MINIMUM OF 150mm SCREENED TOPSOIL GRASSED WITH CCC BERM MIX.
 - 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.
 - CLEARING TO INCLUDE REMOVAL OF ALL INTERNAL FENCING, ALL VEGETATION FROM LOTS, CLEARED AREA TO BE GRASSED AND FREE OF DEBRIS. ALL MATERIAL TO BE REMOVED FROM SITE.
 - CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.1 m.
 - ALL EARTHFILL WORKS TO COMPLY WITH NZS 4431:2022 RELEVANT CERTIFICATION REQUIRED AS PROOF.
 - IF PEAT OR OTHER UNSUITABLE MATERIAL IS LOCATED IN THE SUBGRADE THE ENGINEER IS TO BE CONTACTED FOR INSTRUCTION.
 - ESCMP TO BE IN PLACE PRIOR TO ANY EARTHWORKS.
 - CONTRACTOR MUST READ ALL DISCHARGE CONSENTS PRIOR TO ANY EARTHWORKS.
 - DRAWINGS TO BE DISTRIBUTED AND READ AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.

LEGEND :

- EXTENT OF WORKS
- RETAINING WALL

LEVELS

- PROPOSED LOT LEVELS
- EXISTING LOT LEVELS
- DIRECTION OF FLOW

EXISTING SERVICES		PROPOSED SERVICES	
KERB		KERB	
NAME	SIGNED	NAME	SIGNED
DESIGNED BY: FERGIUS MATLA			
CHECKED BY: ANDY HALL			

DAVIE LOVELL-SMITH
PLANNING SURVEYING ENGINEERING

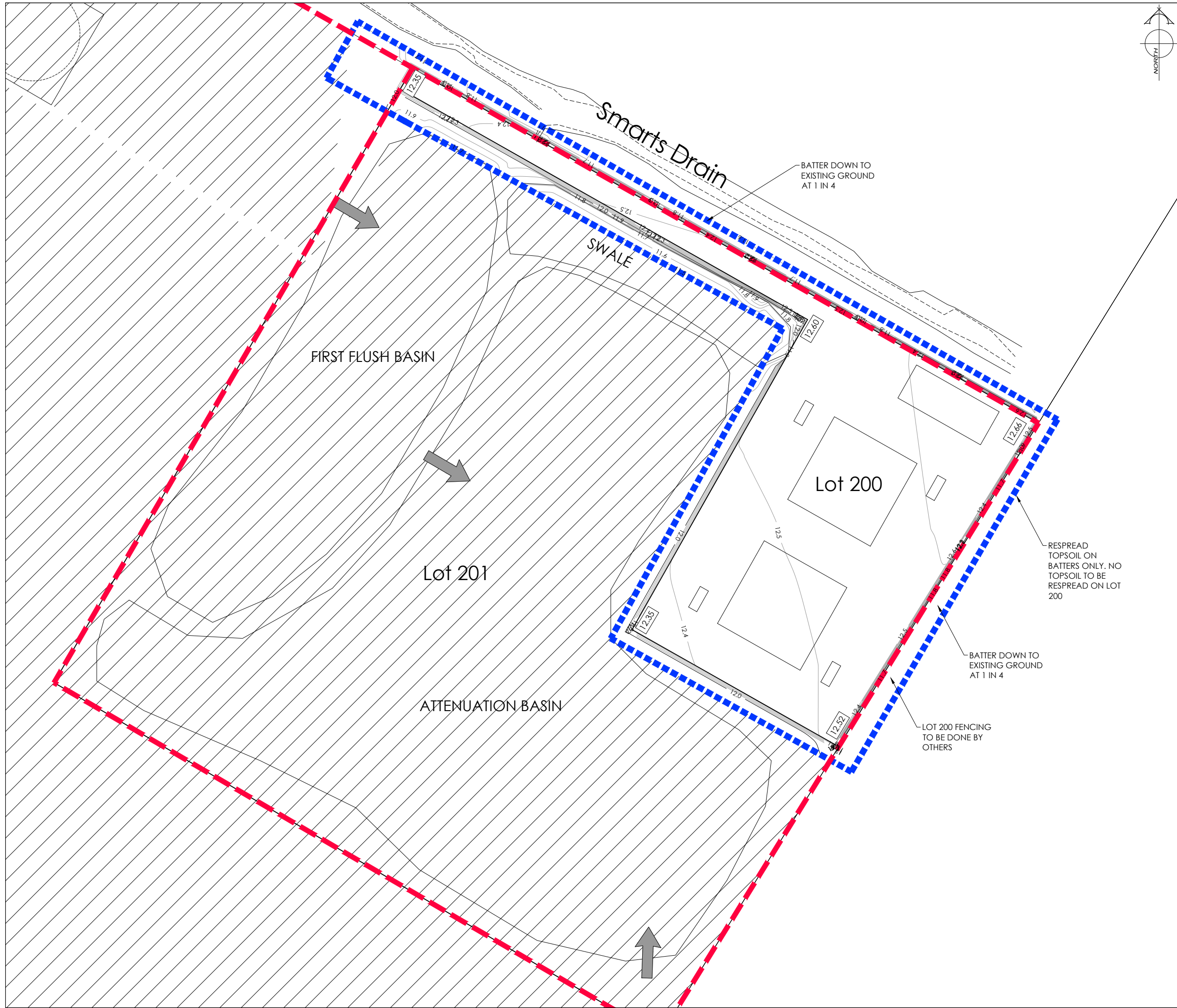
116 Wrights Road P O Box 679 Christchurch 8140. New Zealand
Telephone: 03 379-0793 Website: www.dls.co.nz E-mail: office@dls.co.nz

JOB TITLE:
**555 Birchs Road, Lincoln
Stage 1
RC245532 & RC245534**

SHEET TITLE:
Design Contours

DRAWING STATUS
For Engineering Approval

SCALE: 1:500@A1 1:1000@A3	DATE: March 2026	DRAWN: JS
CAD FILE: \\21270\Eng\Drawings\Stage 1\E21270_E02.0_R7.dwg	SHEET No:	REVISION:
E.21270	E02.0	R7



AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	9/12/25	NO CHANGES THIS SHEET
R5	11/12/25	NO CHANGES THIS SHEET
R6	19/02/26	NO CHANGES THIS SHEET
R7	23/03/26	DESIGN CONTOURS & BDY LEVELS UPDATED

- NOTES :
- ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
 - ORIGIN OF LEVELS
MA67 DP518987 (F5J0)
RL=11.39

LEVELS IN TERMS OF NZVD 2016
 - METAL DEPTHS TO BE CONFIRMED OR INCREASED BY ENGINEER FOLLOWING CHECKING OF SUBGRADE CBR STRENGTH ONCE EXCAVATED.
 - ALL BERMS TO BE COVER WITH A MINIMUM OF 150mm SCREENED TOPSOIL GRASSED WITH CCC BERM MIX.
 - 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.
 - CLEARING TO INCLUDE REMOVAL OF ALL INTERNAL FENCING, ALL VEGETATION FROM LOTS, CLEARED AREA TO BE GRASSED AND FREE OF DEBRIS. ALL MATERIAL TO BE REMOVED FROM SITE.
 - CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.1 m.
 - ALL EARTHFILL WORKS TO COMPLY WITH NZS 4431:2022 RELEVANT CERTIFICATION REQUIRED AS PROOF.
 - IF PEAT OR OTHER UNSUITABLE MATERIAL IS LOCATED IN THE SUBGRADE THE ENGINEER IS TO BE CONTACTED FOR INSTRUCTION.
 - ESCMP TO BE IN PLACE PRIOR TO ANY EARTHWORKS.
 - CONTRACTOR MUST READ ALL DISCHARGE CONSENTS PRIOR TO ANY EARTHWORKS.
 - DRAWINGS TO BE DISTRIBUTED AND READ AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.

LEGEND :

 EXTENT OF WORKS

LEVELS

 PROPOSED LOT LEVELS

 EXISTING LOT LEVELS

 DIRECTION OF FLOW

EXISTING SERVICES

PROPOSED SERVICES

KERB _____ KERB _____

	NAME	SIGNED	DATE
DESIGNED BY	FERGUS MATLA		
CHECKED BY	ANDY HALL		



DAVIE LOVELL-SMITH
PLANNING SURVEYING ENGINEERING

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JOB TITLE:

**555 Birchs Road, Lincoln
Stage 1
RC245532 & RC245534**

SHEET TITLE:

Design Contours

DRAWING STATUS

For Engineering Approval

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1:750@A3

DATE : March 2026

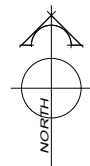
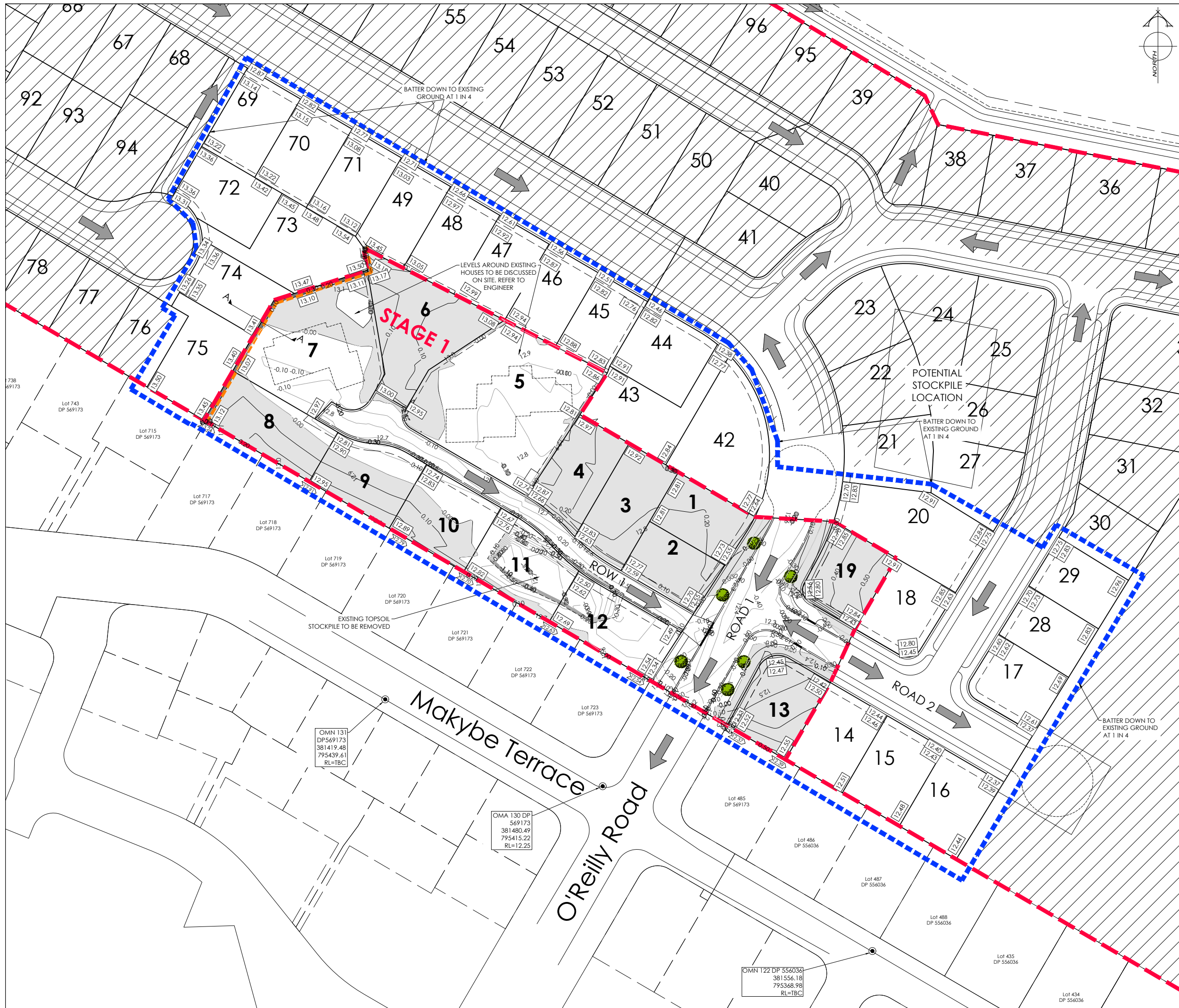
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DRAWING No : E.21270

SHEET No : E02.1

DRAWN : JS

REVISION : R7



AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	9/12/25	NO CHANGES THIS SHEET
R5	11/12/25	NO CHANGES THIS SHEET
R6	19/02/26	NO CHANGES THIS SHEET
R7	23/03/26	CUT FILL CONTOURS & BOY LEVELS UPDATED

- NOTES :
- ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
 - ORIGIN OF LEVELS**
MA67 DP518987 (F5J0)
RL=11.39

LEVELS IN TERMS OF NZVD 2016
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 - CLEARING TO INCLUDE REMOVAL OF ALL INTERNAL FENCING, ALL VEGETATION FROM LOTS, CLEARED AREA TO BE GRASSED AND FREE OF DEBRIS. ALL MATERIAL TO BE REMOVED FROM SITE.
 - CUT FILL CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.2 m.
 - ALL EARTHFILL WORKS TO COMPLY WITH NZS 4431:2022 RELEVANT CERTIFICATION REQUIRED AS PROOF.
 - IF PEAT OR OTHER UNSUITABLE MATERIAL IS LOCATED IN THE SUBGRADE THE ENGINEER IS TO BE CONTACTED FOR INSTRUCTION.
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 - CONTRACTOR MUST READ ALL DISCHARGE CONSENTS PRIOR TO ANY EARTHWORKS.
 - DRAWINGS TO BE DISTRIBUTED AND READ AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.

LEGEND :

EXTENT OF WORKS
RETAINING WALL

LEVELS
20.31
25.35
SEC. FLOW

ENGINEERING FILL
CUT

PROPOSED LOT LEVELS
EXISTING LOT LEVELS
DIRECTION OF FLOW

ENGINEERING FILL
CUT

EXISTING SERVICES		PROPOSED SERVICES	
KERB		KERB	
NAME	SIGNED	DATE	
DESIGNED BY: FERGIUS MATLA			
CHECKED BY: ANDY HALL			

DAVIE LOVELL-SMITH
PLANNING SURVEYING ENGINEERING

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JOB TITLE:

**555 Birchs Road, Lincoln
Stage 1
RC245532 & RC245534**

SHEET TITLE:

Cut Fill Plan

DRAWING STATUS

For Engineering Approval

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1:750@A3

DATE: March 2026

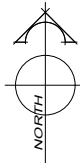
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DRAWING No : E.21270

SHEET No: E02.2

DRAWN : JS

REVISION : R7



AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	9/12/25	NO CHANGES THIS SHEET
R5	11/12/25	NO CHANGES THIS SHEET
R6	19/02/26	NO CHANGES THIS SHEET
R7	23/03/26	CUT FILL CONTOURS & BOY LEVELS UPDATED

- NOTES :
- ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
 - ORIGIN OF LEVELS
MA67 DP518987 (F5J0)
RL=11.39

LEVELS IN TERMS OF NZVD 2016
 - METAL DEPTHS TO BE CONFIRMED OR INCREASED BY ENGINEER FOLLOWING CHECKING OF SUBGRADE CBR STRENGTH ONCE EXCAVATED.
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 - CLEARING TO INCLUDE REMOVAL OF ALL INTERNAL FENCING, ALL VEGETATION FROM LOTS, CLEARED AREA TO BE GRASSED AND FREE OF DEBRIS. ALL MATERIAL TO BE REMOVED FROM SITE.
 - CUT FILL CONTOUR INTERVAL: MAJOR 1.0m MINOR 0.2 m.
 - ALL EARTHFILL WORKS TO COMPLY WITH NZS 4431:2022 RELEVANT CERTIFICATION REQUIRED AS PROOF.
 - IF PEAT OR OTHER UNSUITABLE MATERIAL IS LOCATED IN THE SUBGRADE THE ENGINEER IS TO BE CONTACTED FOR INSTRUCTION.
 - ESCMP TO BE IN PLACE PRIOR TO ANY EARTHWORKS.
 - CONTRACTOR MUST READ ALL DISCHARGE CONSENTS PRIOR TO ANY EARTHWORKS.
 - DRAWINGS TO BE DISTRIBUTED AND READ AS A COMPLETE SET. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.

LEGEND :

EXTENT OF WORKS
RETAINING WALL

LEVELS

PROPOSED LOT LEVELS
EXISTING LOT LEVELS
DIRECTION OF FLOW

ENGINEERING FILL
CUT

EXISTING SERVICES		PROPOSED SERVICES	
KERB		KERB	
NAME	SIGNED	NAME	SIGNED
DESIGNED BY: FERGIUS MATLA		DESIGNED BY: FERGIUS MATLA	
CHECKED BY: ANDY HALL		CHECKED BY: ANDY HALL	


DAVIE LOVELL-SMITH
PLANNING SURVEYING ENGINEERING

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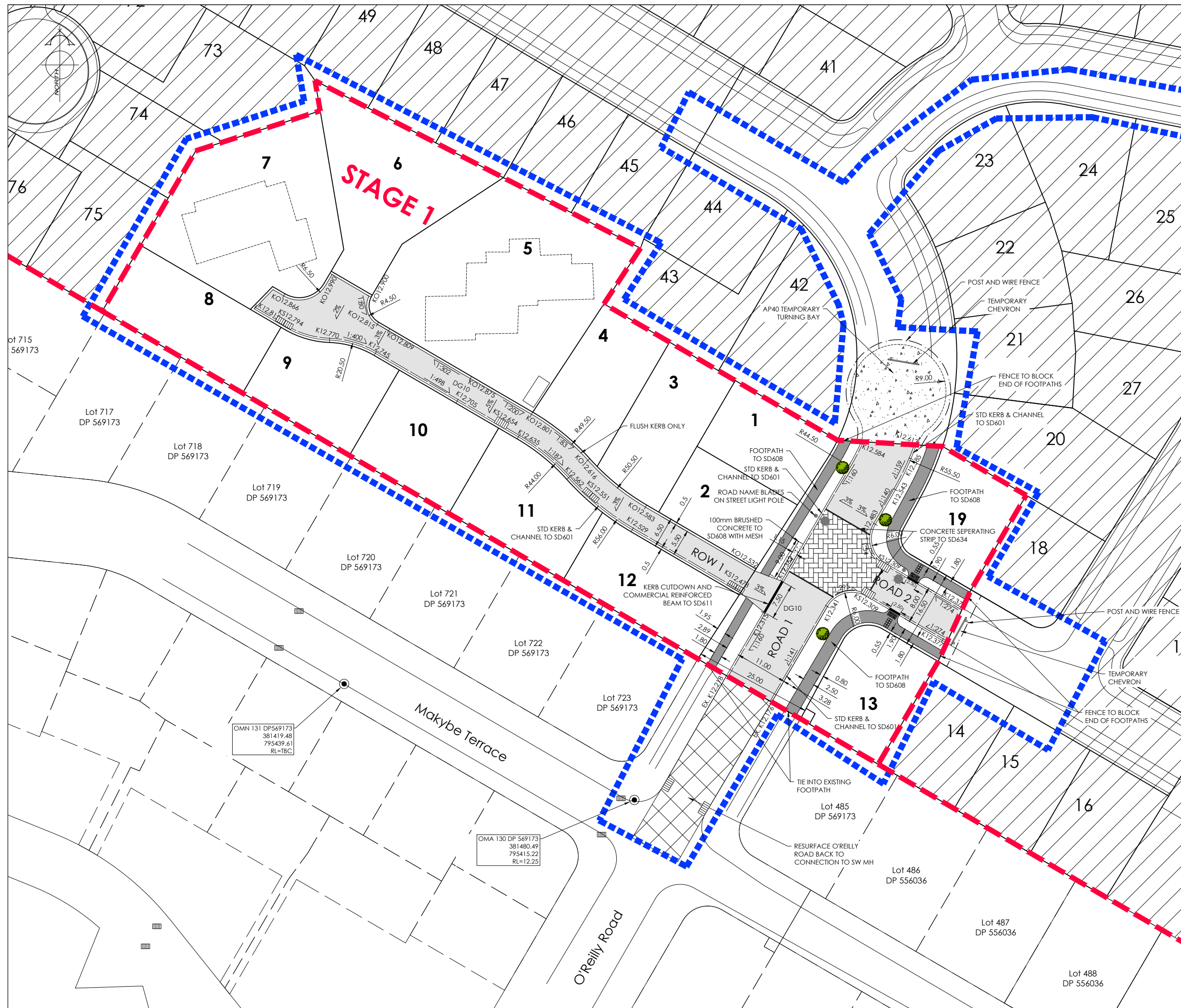
JOB TITLE:
**555 Birchs Road, Lincoln
Stage 1
RC245532 & RC245534**

SHEET TITLE:
Cut Fill Plan

DRAWING STATUS
For Engineering Approval

SCALE: 1:375@A1
1:750@A3
DATE: March 2026

CAD FILE : \\E:\21270\Eng\Drawings\Stage 1\E21270_E02.0_R7.dwg
DRAWING No : E.21270
SHEET No : E02.3
DRAWN : JS
REVISION : R7



AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R6	19/02/26	NO CHANGES THIS SHEET
R7	23/03/26	ROW KERB LEVELS UPDATED

NOTES :

1. ALL WORKS IN ACCORDANCE WITH CCC IDS AND CSS PARTS 1-7 CURRENT ISSUE.
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. ORIGIN OF LEVELS
MA67 DP158987 (F5/J0)
RL=11.39

LEVELS IN TERMS OF NZVD 2016
4. FOOTPATH BASECOURSE TESTING - MINIMUM CLEGG HAMMER VALUE OF 25 REQUIRED FOR FOOTPATHS & RESIDENTIAL CROSSINGS.
5. - MINIMUM CLEGG HAMMER VALUE OF 35 REQUIRED FOR COMMERCIAL CROSSINGS.
6. KERB & CHANNEL BASECOURSE TESTING - MINIMUM DRY DENSITY OF 2100kg/m³ WITH 75% EQUAL OR EXCEEDING 2150kg/m³.
7. CUTOUPS AT RESIDENTIAL PARKING AREAS TO HAVE 280mm OF CONCRETE AS PER SD611 AND CUT DOWN IN COMMERCIAL PARKING AREAS TO HAVE 280mm OF CONCRETE WITH REINFORCEMENT AS PER SD611.
8. ALL BERMS TO BE AND COVERED WITH A MINIMUM OF 150mm GRADE 1 TOPSOIL AND GRASSED WITH CCC BERM MIX.
9. ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.
10. ALL ROAD AND FOOTPATH AREAS TO BE SURFACED USING ASPHALTIC CONCRETE. FOOTPATHS TO BE CONSTRUCTED IN ACCORDANCE WITH CCC REQUIREMENTS WITH 25mm DEPTH AC, WHILE ROAD PAVEMENTS TO BE 30mm DEPTH.
11. METAL DEPTHS TO BE CONFIRMED OR INCREASED PRIOR TO COMMENCEMENT OF WORK FOLLOWING THE CHECKING OF SUBGRADE CBR ON SITE.
12. KERBS AT INTERSECTIONS HAVE A RADIUS OF 6.0m UNLESS SHOWN OTHERWISE.
13. ALL PAVEMENT CROSSFALLS ARE TO BE CONSTRUCTED IN ACCORDANCE SD623.
14. TACTILE PAVERS ARE TO BE INSTALLED AS PER SD623 AND RTS14 GUIDELINES FOR FACILITIES FOR THE BLIND AND VISION-IMPAIRED PEDESTRIANS.
15. ROAD BASECOURSE TESTING - MAXIMUM BENKELMAN BEAM DEFLECTION 0.00mm WITH 95% BELOW 1.6mm FOR ROADS AND A MAXIMUM DEFLECTION OF 2.5mm WITH 95% BELOW 2.00mm FOR RIGHT OF WAYS.
16. ALL ROW AND DRIVEWAYS ARE TO HAVE 50mm DUCTS INSTALLED FOR COMMUNICATIONS AND POWER SUPPLY.
17. FOOTPATH AND VEHICLE CROSSING FINISHED BASECOURSE SURFACES SHALL BE TREATED WITH PROPRIETARY WEED KILLER AS PER MANUFACTURER SPECIFICATION PRIOR TO SEALING.

LEGEND :

	STREET LIGHT		EXISTING STREET LIGHT
	NEW ASPHALT PAVEMENT		NEW FOOTPATH
	NEW CHIP SEAL PAVEMENT		COBBLES
	100mm BRUSHED CONCRETE		
	NEW EXPOSED AGGREGATE CONCRETE		

LEVELS	
K20.31	PROPOSED KERB LEVEL
KS20.31	PROPOSED KERB LEVEL AT SUMPS
KO20.31	PROPOSED KERB ONLY LEVEL

EXISTING SERVICES		PROPOSED SERVICES	
KERB _____		KERB <u>CUT DOWN</u>	
	NAME	SIGNED	DATE
DESIGNED BY	FERGUS MATLA		
CHECKED BY	ANDY HALL		



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:

**555 Birchs Road, Lincoln
Stage 1
RC245532 & RC245534**

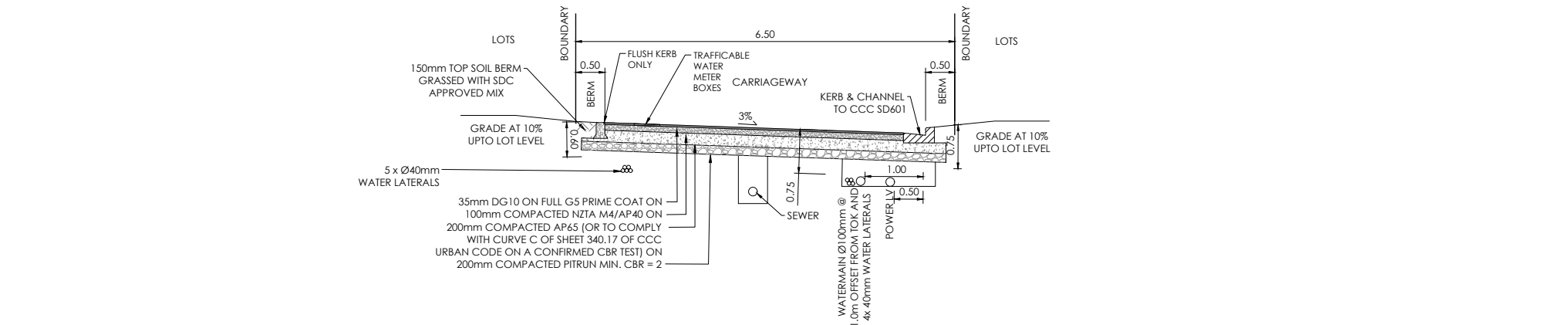
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DRAWING STATUS

For Engineering Approval

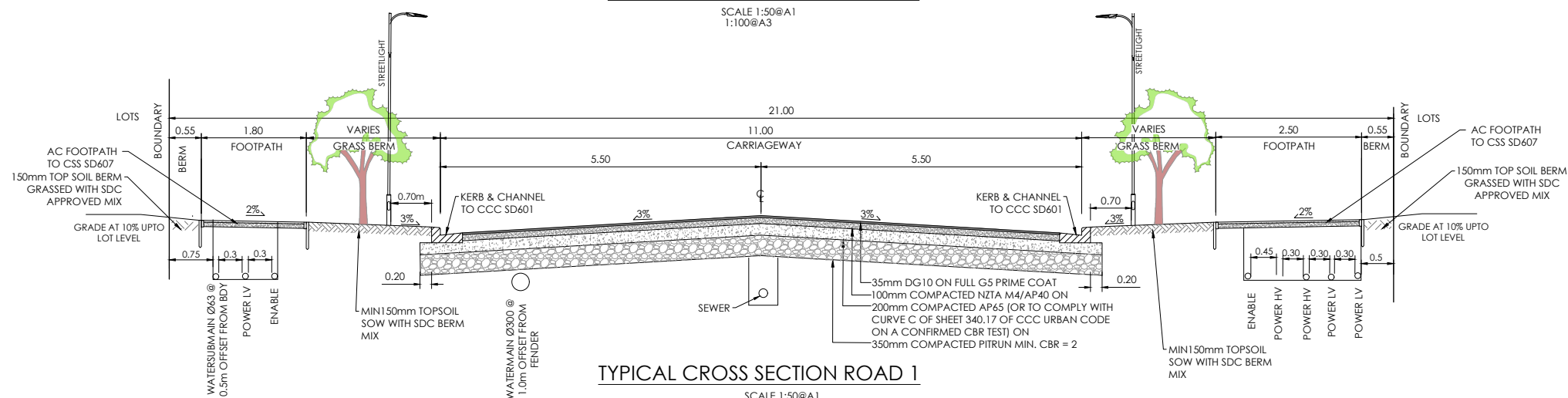
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DRAWING No :	SHEET No:	REVISION :
E.21270	E03.0	R7



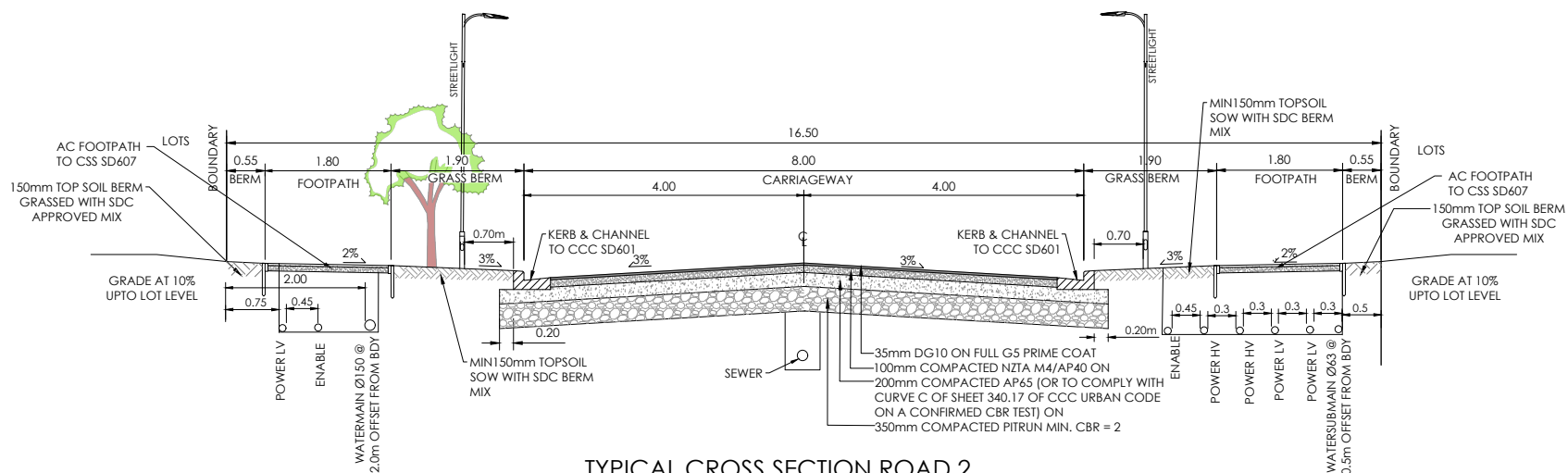
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1:100@A3



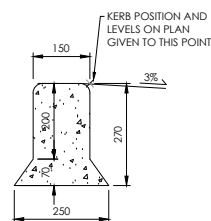
TYPICAL CROSS SECTION ROAD 1

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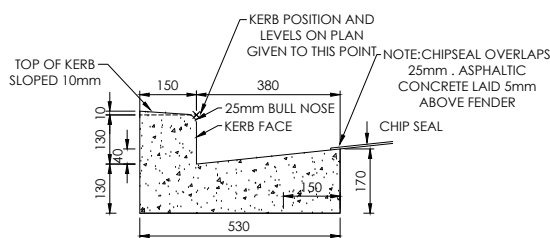
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KERB ONLY TO CCC SD602

SCALE 1:10@A1
1:20@A3



KERB & FLAT CHANNEL TO SD601

SCALE 1:10@A1
1:20@A3

AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	9/12/25	ROAD 1 SERVICE TRENCH AMENDED
R5	11/12/25	NO CHANGES THIS SHEET
R6	19/02/26	NO CHANGES THIS SHEET
R7	23/03/26	NO CHANGES THIS SHEET

- NOTES :
- ALL WORKS IN ACCORDANCE WITH CCC IDS AND CSS PARTS 1-7 CURRENT ISSUE.
 - 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.
 - ORIGIN OF LEVELS
MA67 DP518987 (F5.0)
RL=11.39
LEVELS IN TERMS OF NZVD 2016
 - FOOTPATH BASECOURSE TESTING - MINIMUM CLEGG HAMMER VALUE OF 25 REQUIRED FOR FOOTPATHS & RESIDENTIAL CROSSINGS.
 - MINIMUM CLEGG HAMMER VALUE OF 35 REQUIRED FOR COMMERCIAL CROSSINGS.
 - KERB & CHANNEL BASECOURSE TESTING - MINIMUM DRY DENSITY OF 2100kg/m³ WITH 75% EQUAL OR EXCEEDING 2150kg/m³.
 - CUTDOWNS AT RESIDENTIAL PARKING AREAS TO HAVE 280mm OF CONCRETE AS PER SD611 AND CUT DOWN IN COMMERCIAL PARKING AREAS TO HAVE 280mm OF CONCRETE WITH REINFORCEMENT AS PER SD611.
 - ALL BERMS TO BE AND COVERED WITH A MINIMUM OF 150mm GRADE 1 TOPSOIL AND GRASSED WITH CCC BERM MIX.
 - ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.
 - ALL ROAD AND FOOTPATH AREAS TO BE SURFACED USING ASPHALTIC CONCRETE. FOOTPATHS TO BE CONSTRUCTED IN ACCORDANCE WITH CCC REQUIREMENTS WITH 25mm DEPTH AC, WHILE ROAD PAVEMENTS TO BE 30mm DEPTH.
 - METAL DEPTHS TO BE CONFIRMED OR INCREASED PRIOR TO COMMENCEMENT OF WORK FOLLOWING THE CHECKING OF SUBGRADE CBR ON SITE.
 - KERBS AT INTERSECTIONS HAVE A RADIUS OF 6.0m UNLESS SHOWN OTHERWISE.
 - ALL PAVEMENT CROSSFALLS ARE TO BE CONSTRUCTED IN ACCORDANCE SD623.
 - TACTILE PAVERS ARE TO BE INSTALLED AS PER SD623 AND RTS14 GUIDELINES FOR FACILITIES FOR THE BLIND AND VISION -IMPAIRED PEDESTRIANS.
 - ROAD BASECOURSE TESTING - MAXIMUM BENKELMAN BEAM DEFLECTION OF 2.00mm WITH 95% BELOW 1.6mm FOR ROADS AND A MAXIMUM DEFLECTION OF 2.5mm WITH 95% BELOW 2.00mm FOR RIGHT OF WAYS.
 - ALL ROW AND DRIVEWAYS ARE TO HAVE 50mm DUCTS INSTALLED FOR COMMUNICATIONS AND POWER SUPPLY.
 - FOOTPATH AND VEHICLE CROSSING FINISHED BASECOURSE SURFACES SHALL BE TREATED WITH PROPRIETARY WEED KILLER AS PER MANUFACTURER SPECIFICATION PRIOR TO SEALING.

	NAME	SIGNED	DATE
DESIGNED BY	FERGUS MATLA		
CHECKED BY	ANDY HALL		



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

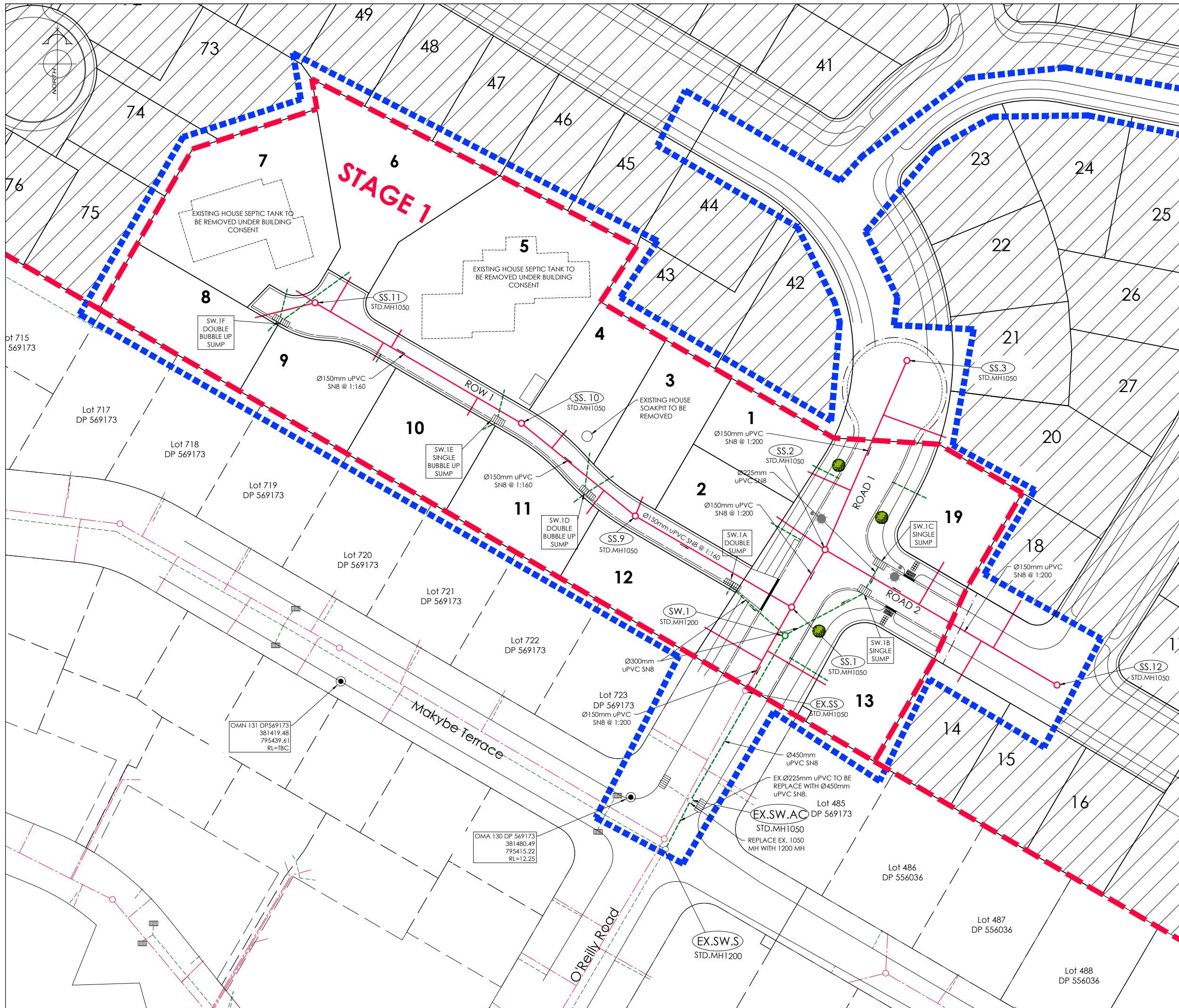
JOB TITLE:
**555 Birchs Road, Lincoln
Stage 1
RC245532 & RC245534**

SHEET TITLE:
Roading Sections

DRAWING STATUS
For Engineering Approval

SCALE : As Shown DATE : March 2026

CAD FILE : J:\21270\Eng\Drawings\Stage 1\E21270_E01.0_R7.dwg	DRAWN : JS
DRAWING No : E.21270	REVISION : R7
SHEET No : E03.1	



AMENDMENTS:

AMENDMENT	DATE	DESCRIPTION
R4	9/12/25	SS LATERAL TO LOT 5 UPDATED
R5	11/12/25	NO CHANGES THIS SHEET
R6	19/02/26	NO CHANGES THIS SHEET
R7	23/03/26	NO CHANGES 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.

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3.

ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.

4.

ALL UPVC PIPES (WHETHER SEWER OR STORMWATER) SHALL CONFORM TO AS NZS 1260:1999 AND SHALL HAVE THE FOLLOWING STIFFNESS NUMBERS AS SET OUT IN THE STANDARD: DN 100 AND 150...SN16; DN225 AND LARGER ... SN8.

5.

ALL SERVICES UP DRIVEWAYS & ROWs TO BE INSTALLED BY A REGISTERED DRAIN LAYER AND IN TERMS OF THE BUILDING CONSENT.

6.

REFER TO LONGSECTIONS FOR ALL SEWER & STORMWATER LEVELS.

7.

ORIGIN OF LEVELS
MA67 DP518987 (F5J0)
RL=11.39

LEVELS IN TERMS OF NZVD 2016

8.

ALL SEWER AND STORMWATER LATERALS TO BE LAID AT 1:60, MINIMUM GRADE AND LAID TO 1.0m WITHIN LOTS.

9.

NOMINATED PIPE SIZES ARE INTERNAL DIAMETER UNLESS NOTED OTHERWISE.

10.

ALL RESIDENTIAL STORMWATER LATERALS TO BE 100mm DIAMETER AND INDUSTRIAL LATERALS TO BE A MINIMUM OF 150mm.

11.

RAMPED RISERS ARE TO BE USED FOR LATERALS TO ENSURE A MAXIMUM DEPTH OF 1.5m COVER AT THE LOT BOUNDARY.

12.

BEDDING TO BE AS PER SD344 UNLESS OTHERWISE SPECIFIED.

13.

ALL SUMPS TO HAVE 450mm WETWELL.

14.

ALL LATERAL ENDS TO BE MARKED WITH A RED STAKE.

15.

MANHOLE CONNECTIONS SHALL BE STARTERS AND SHORTS AND SHORTS AND FINISHERS.

16.

LADDERS ARE REQUIRED FOR MANHOLES DEEPER THAN 1.3m WHEN MEASURING FROM THE TOP OF THE BENCHING TO THE FINISHED LEVEL.

LEGEND:

STREET LIGHT

EXISTING STREET LIGHT

EXISTING SERVICES

PROPOSED SERVICES

STANDARD MH

Sanitary Sewer

VENTED MH

Sanitary Sewer

MH

Stormwater

MH

Kerb

CUT DOWN

STANDARD MH

Sanitary Sewer

VENTED MH

Sanitary Sewer

MH

Stormwater

MH

Kerb

CUT DOWN

DESIGNED BY

FERGUS MATLA

CHECKED BY

ANDY HALL

SIGNED

DATE

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:

555 Birchs Road, Lincoln
Stage 1
RC245532 & RC245534

SHEET TITLE:

Sewer & Stormwater Plan

DRAWING STATUS

For Engineering Approval

SCALE:

1:375@A1
1:750@A3

DATE:

March 2026

CAD FILE:

\\21270\Eng\Drawings\Stage 1\E21270_E01.0_R7.dwg

DRAWING No:

E.21270

SHEET No:

E04.0

DRAWN:

JS

REVISION:

R7



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R4	9/12/25	DETENTION BASIN UPDATED
R5	11/12/25	NO CHANGES THIS SHEET
R6	19/02/26	NO CHANGES THIS SHEET
R7	23/03/26	NO CHANGES THIS SHEET

NOTES :

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MA67 DP518987 (F5J0)
RL=11.39

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9.

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10.

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11.

RAMPED RISERS ARE TO BE USED FOR LATERALS TO ENSURE A MAXIMUM DEPTH OF 1.5m COVER AT THE LOT BOUNDARY.

12.

BEDDING TO BE AS PER SD344 UNLESS OTHERWISE SPECIFIED.

13.

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14.

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LEGEND :

STREET LIGHT

EXISTING STREET LIGHT

EXISTING SERVICES

PROPOSED SERVICES

SANITARY SEWER

STD. MH

SANITARY SEWER

VENTED MH

STORMWATER

MH

KERB

SANITARY SEWER

STD. MH

SANITARY SEWER

VENTED MH

STORMWATER

MH

KERB

CUT DOWN

	NAME	SIGNED	DATE
DESIGNED BY	FERGUS MATLA		
CHECKED BY	ANDY HALL		

DAVE LOVELL-SMITH

PLANNING SURVEYING ENGINEERING

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P O Box 679

Christchurch 8140, New Zealand

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JOB TITLE:

555 Birchs Road, Lincoln

Stage 1

RC245532 & RC245534

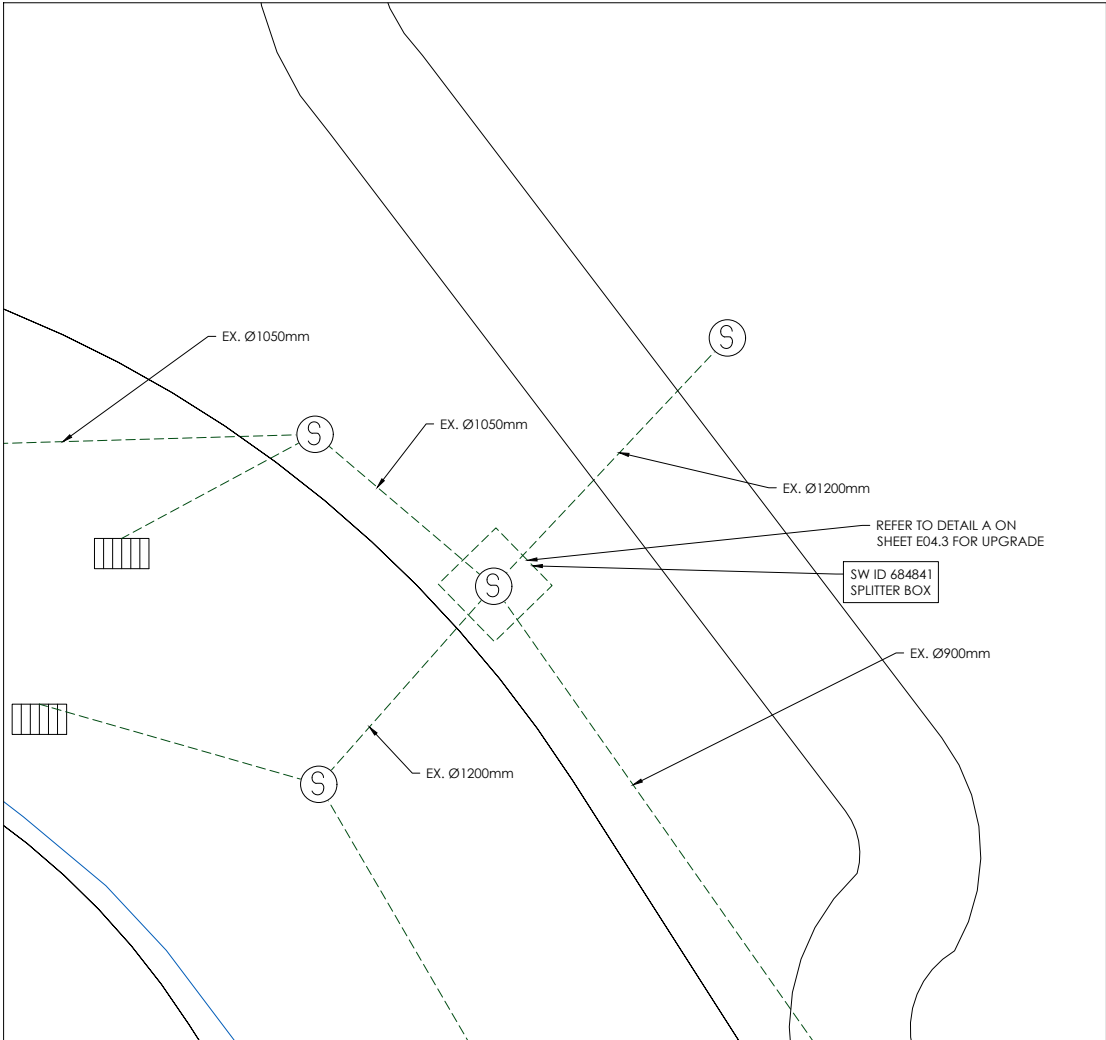
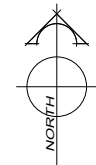
SHEET TITLE:

Flemington Facility Upgrade

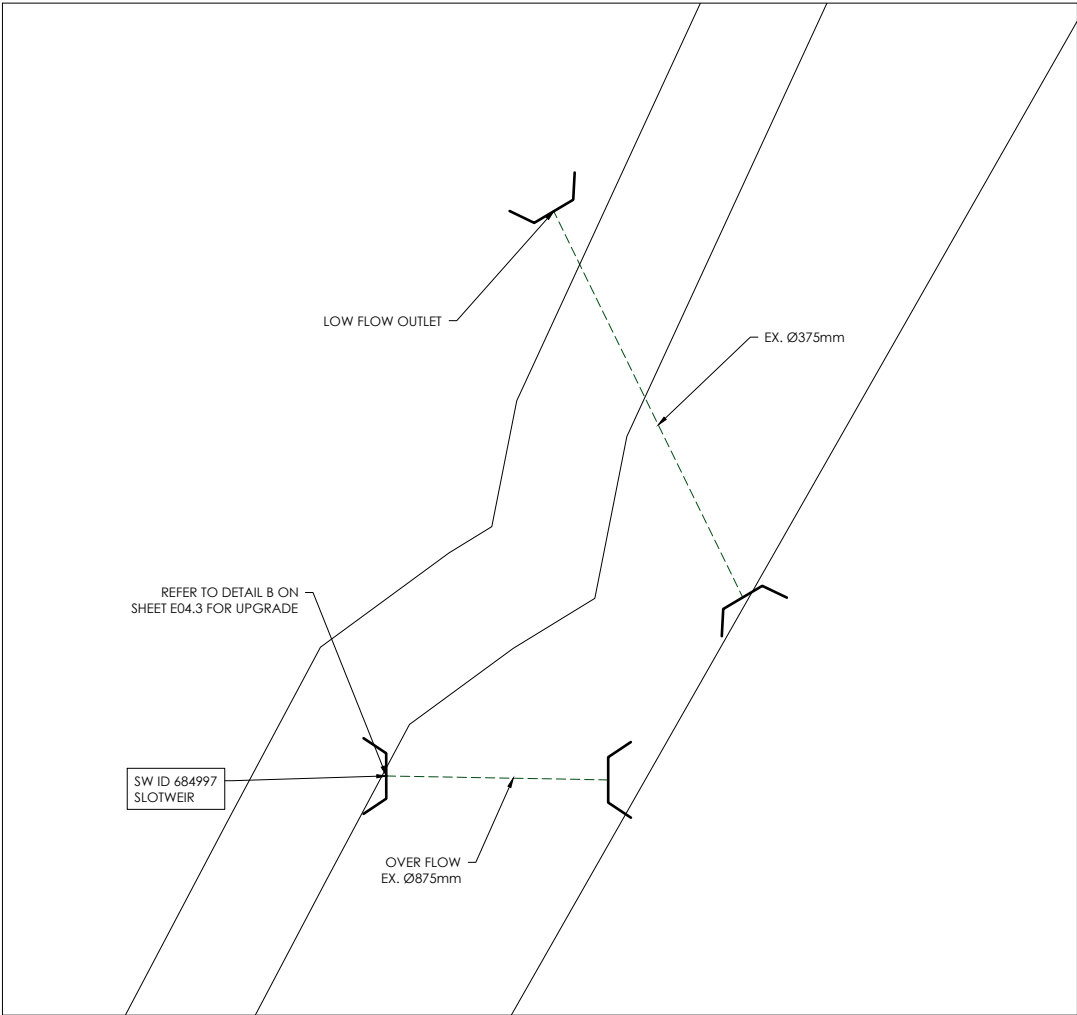
DRAWING STATUS

For Engineering Approval

SCALE :	1:500@A1 1:1000@A3	DATE :	March 2026
CAD FILE :	J:\21270\Eng\Drawings\Stage 1\E21270_E01.0_R7.dwg		
DRAWING No :	SHEET No:	DRAWN :	JS
E.21270	E04.1	R7	



INSET A SCALE : 1:125@A1
1:250@A3



INSET B SCALE : 1:125@A1
1:250@A3

AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	9/12/25	NO CHANGES THIS SHEET
R5	11/12/25	NO CHANGES THIS SHEET
R6	19/02/26	NO CHANGES THIS SHEET
R7	23/03/26	NO CHANGES THIS SHEET

- NOTES :
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 - ORIGIN OF LEVELS
MA67 DP518987 (F5J0)
RL=11.39
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 - ALL LATERAL ENDS TO BE MARKED WITH A RED STAKE.
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LEGEND :			
EXISTING SERVICES		PROPOSED SERVICES	
STORMWATER	MH	STORMWATER	MH
KERB		KERB	CUT DOWN
DESIGNED BY	FERGUS MATLA	SIGNED	DATE
CHECKED BY	ANDY HALL		



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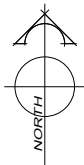
JOB TITLE:
**555 Birchs Road, Lincoln
Stage 1
RC245532 & RC245534**

SHEET TITLE:
**Flemington Facility
Upgrade - Details**

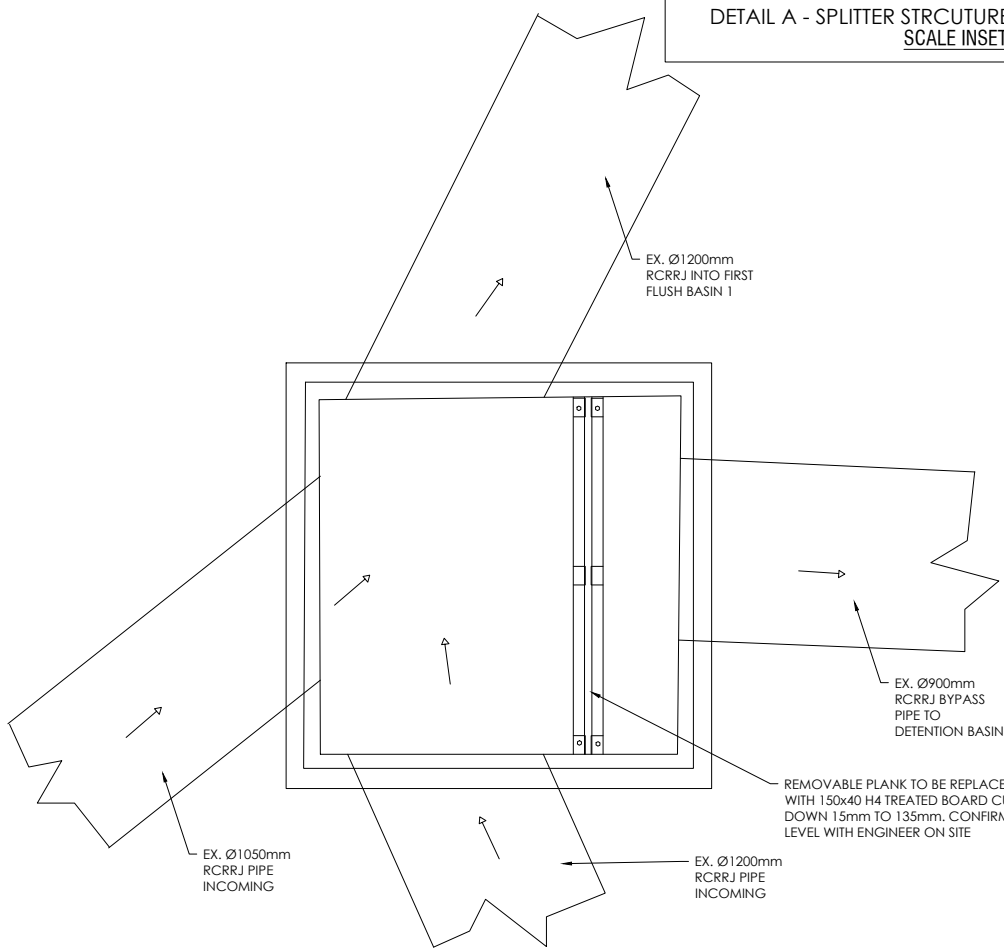
DRAWING STATUS
For Engineering Approval

SCALE : As Shown DATE : March 2026

CAD FILE : \\21270\Eng\Drawings\Stage 1\E21270_E01.0_R7.dwg	DRAWN : JS
DRAWING No : E.21270	SHEET No: E04.2 REVISION : R7

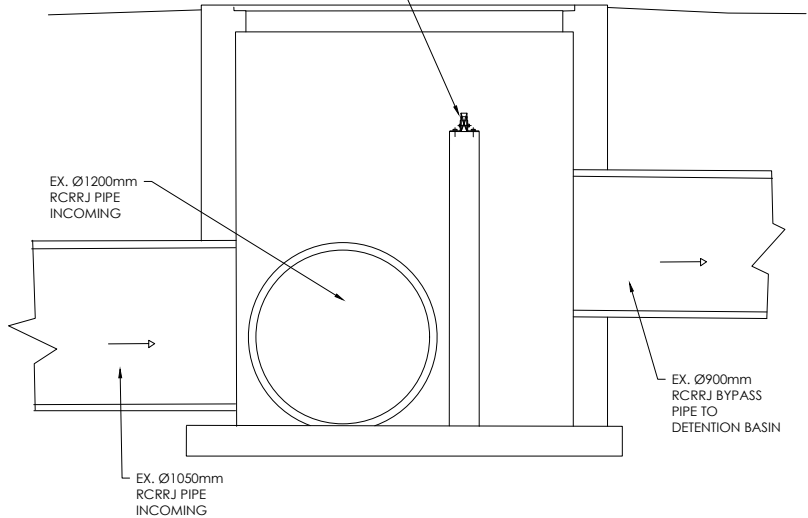


DETAIL A - SPLITTER STRCUTURE UPGRADE FOR FIRST FLUSH BASIN
SCALE INSET: NOT TO SCALE



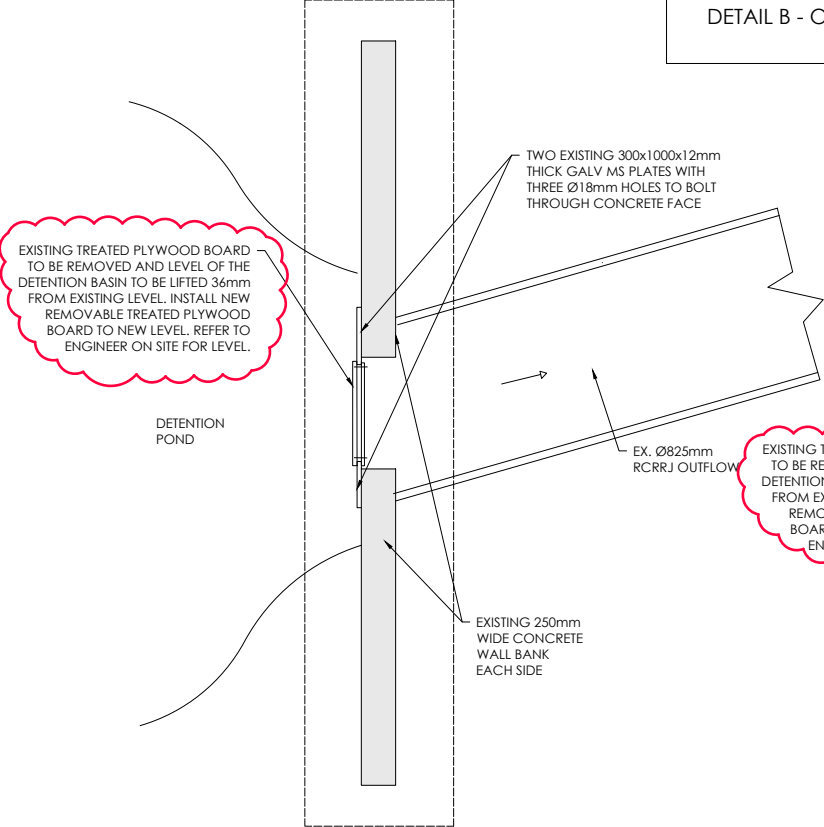
EXISTING SPLITTER BOX STRUCTURE - PLAN VIEW

REMOVABLE PLANK TO BE REPLACED WITH 150x40 H4 TREATED BOARD CUT DOWN 15mm TO 135mm. CONFIRM LEVEL WITH ENGINEER ON SITE



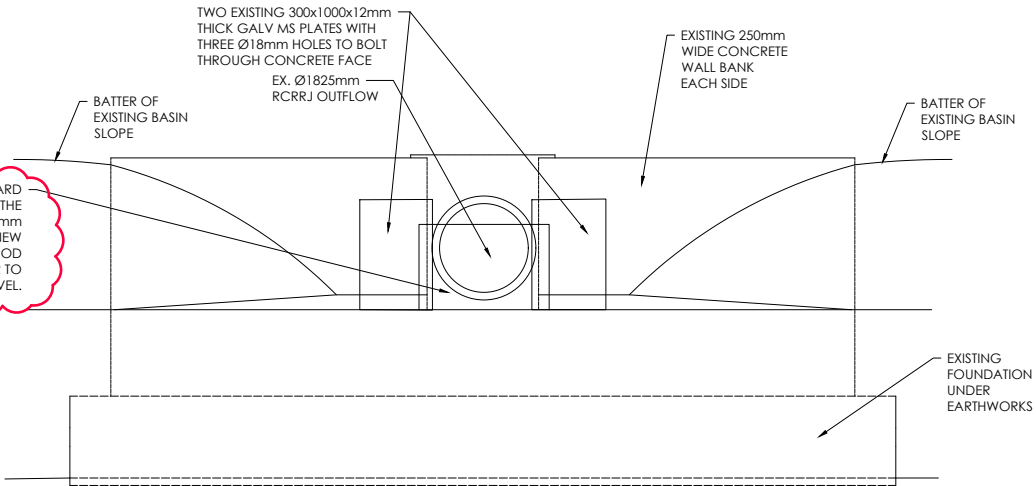
EXISTING SPLITTER BOX STRUCTURE - SECTION

DETAIL B - OUTFLOW SLOT WEIR UPGRADE FOR DETENTION BASIN
SCALE INSET: NOT TO SCALE



EXISTING DETENTION POND SLOT WEIR OVERFLOW - PLAN VIEW

EXISTING TREATED PLYWOOD BOARD TO BE REMOVED AND LEVEL OF THE DETENTION BASIN TO BE LIFTED 36mm FROM EXISTING LEVEL. INSTALL NEW REMOVABLE TREATED PLYWOOD BOARD TO NEW LEVEL. REFER TO ENGINEER ON SITE FOR LEVEL.



EXISTING DETENTION POND SLOT WEIR OVERFLOW - ELEVATION VIEW

AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	9/12/25	DETENTION BASIN UPDATED
R5	11/12/25	NO CHANGES THIS SHEET
R6	19/02/26	NO CHANGES THIS SHEET
R7	23/03/26	NO CHANGES THIS SHEET

- NOTES :
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 - ORIGIN OF LEVELS
MA67 DP518987 (F5J0)
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	NAME	SIGNED	DATE
DESIGNED BY	FERGUS MATLA		
CHECKED BY	ANDY HALL		


DAVIE LOVELL-SMITH
PLANNING SURVEYING ENGINEERING

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

JOB TITLE:
**555 Birchs Road, Lincoln
Stage 1
RC245532 & RC245534**

SHEET TITLE:
**Flemington Facility
Upgrade - Details**

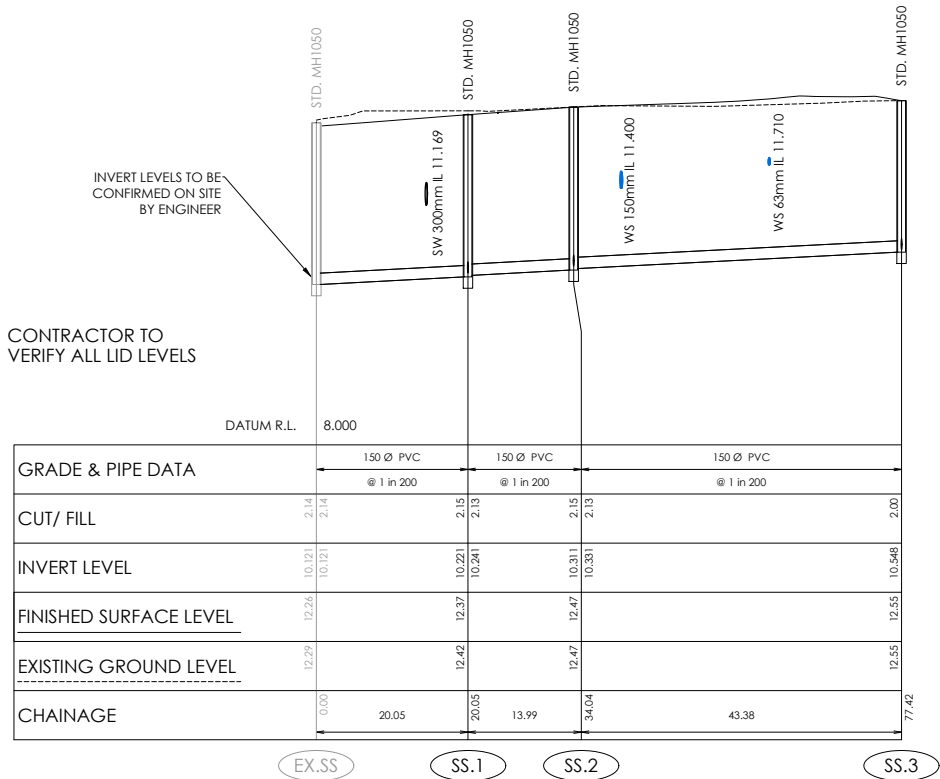
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For Engineering Approval

SCALE : As Shown DATE : March 2026

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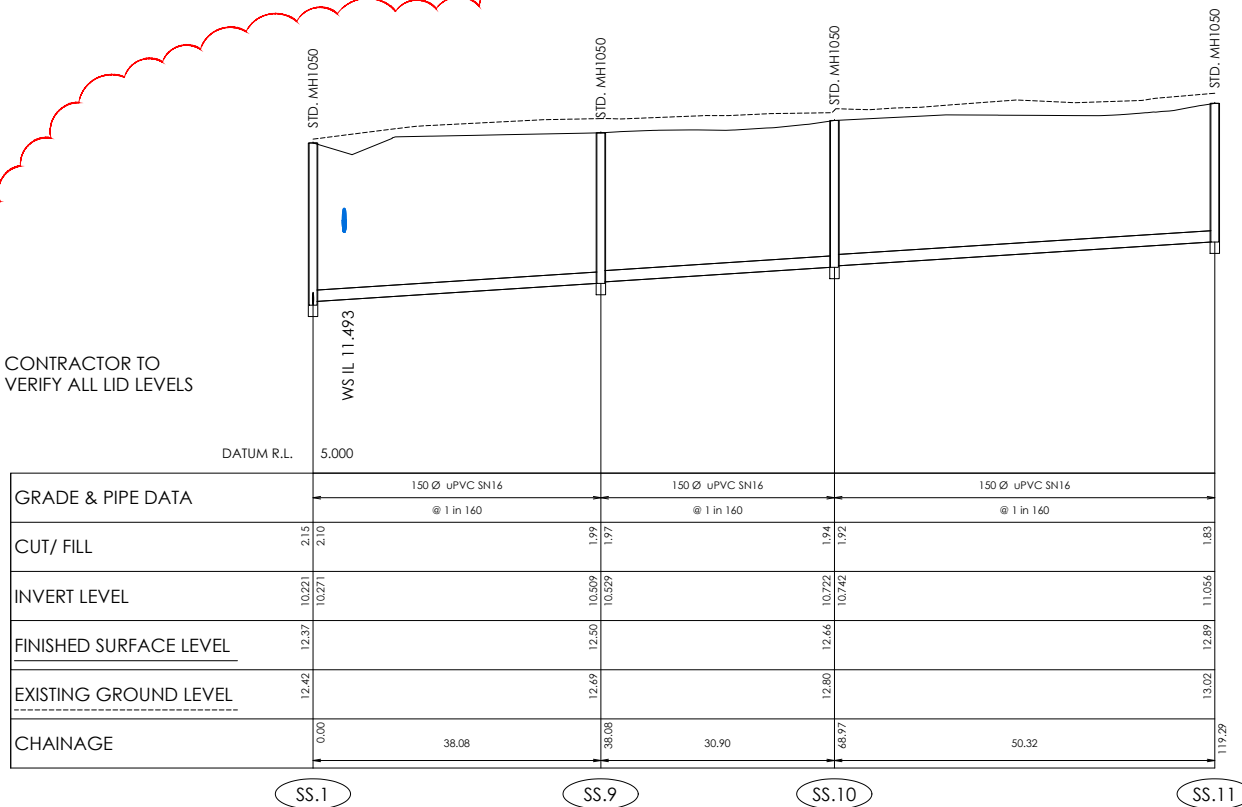
E.21270 E04.3 R7



SEWER LONGSECTION

EX.SS TO SS.3

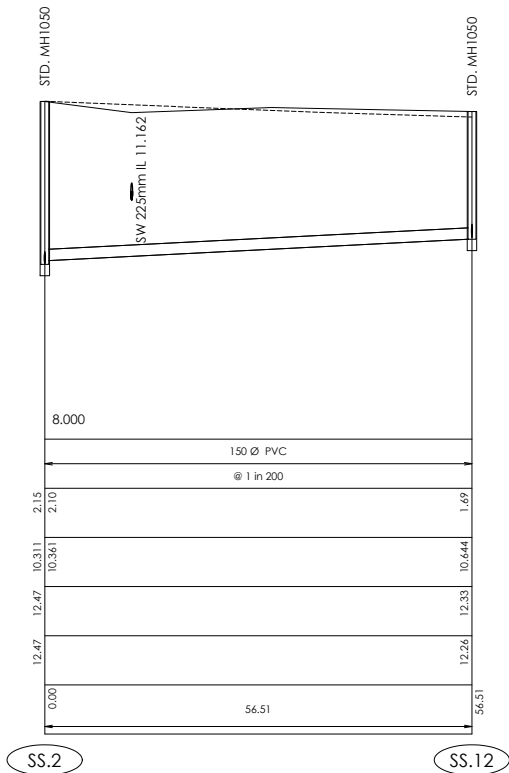
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1:50 Vert
1:1000 Horiz @A3
1:100 Vert



SEWER LONGSECTION

SS.1 TO SS.11

Scale 1:500 Horiz @A1
1:50 Vert
1:1000 Horiz @A3
1:100 Vert



SEWER LONGSECTION

SS.2 TO SS.12

Scale 1:500 Horiz @A1
1:50 Vert
1:1000 Horiz @A3
1:100 Vert

AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	9/12/25	NO CHANGES THIS SHEET
R5	11/12/25	NO CHANGES THIS SHEET
R6	19/02/26	NO CHANGES THIS SHEET
R7	23/03/26	FINISHED SURFACE LEVELS UPDATED

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MA67 DP518987 (FSJ0)
RL=11.39

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	NAME	SIGNED	DATE
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CHECKED BY	ANDY HALL		



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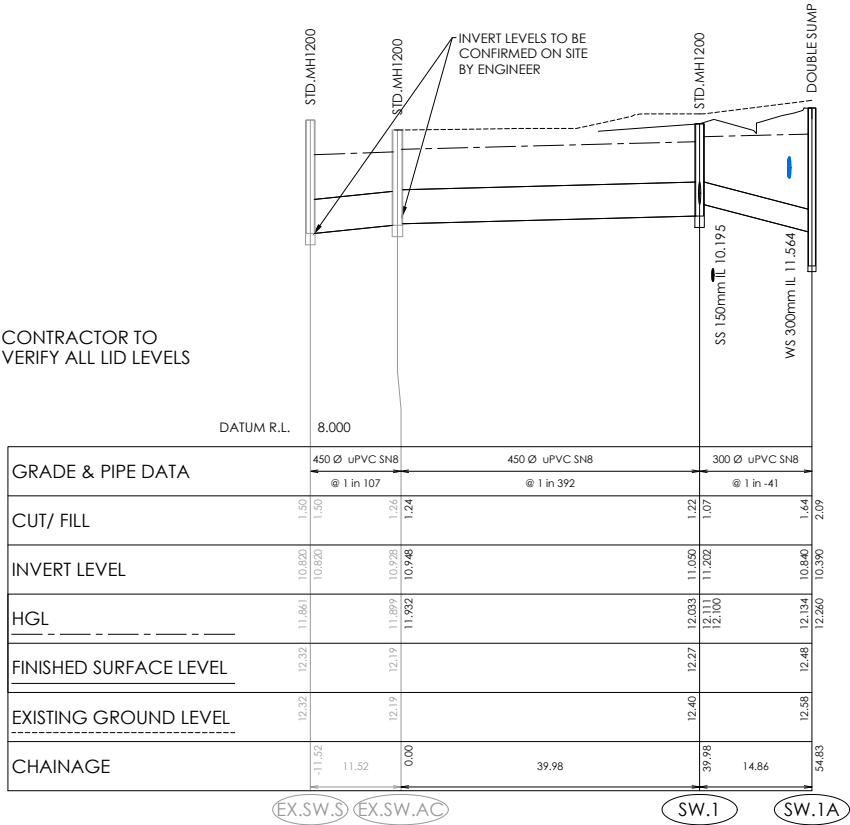
JOB TITLE:
**555 Birchs Road, Lincoln
Stage 1
RC245532 & RC245534**

SHEET TITLE:
**Sewer
Longsections**

DRAWING STATUS
For Engineering Approval

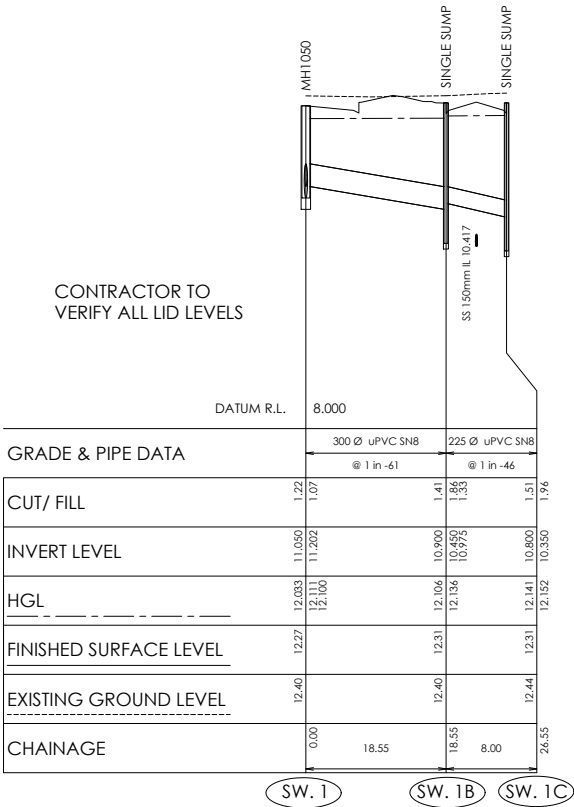
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CAD FILE : \\E21270\Eng\Drawings\Stage 1\E21270_E04.2_R7.dwg	DRAWN : JS
DRAWING No : E.21270	SHEET No: E04.4 REVISION : R7



SW LONGSECTION
EX.SW.S TO SW.1A

Scale 1:500 Horiz @A1
1:50 Vert @A1
1:1000 Horiz @A3
1:100 Vert @A3



SW LONGSECTION
SW.1 TO SW.1C

Scale 1:500 Horiz @A1
1:50 Vert @A1
1:1000 Horiz @A3
1:100 Vert @A3

AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
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RC245532 & RC245534**

SHEET TITLE:

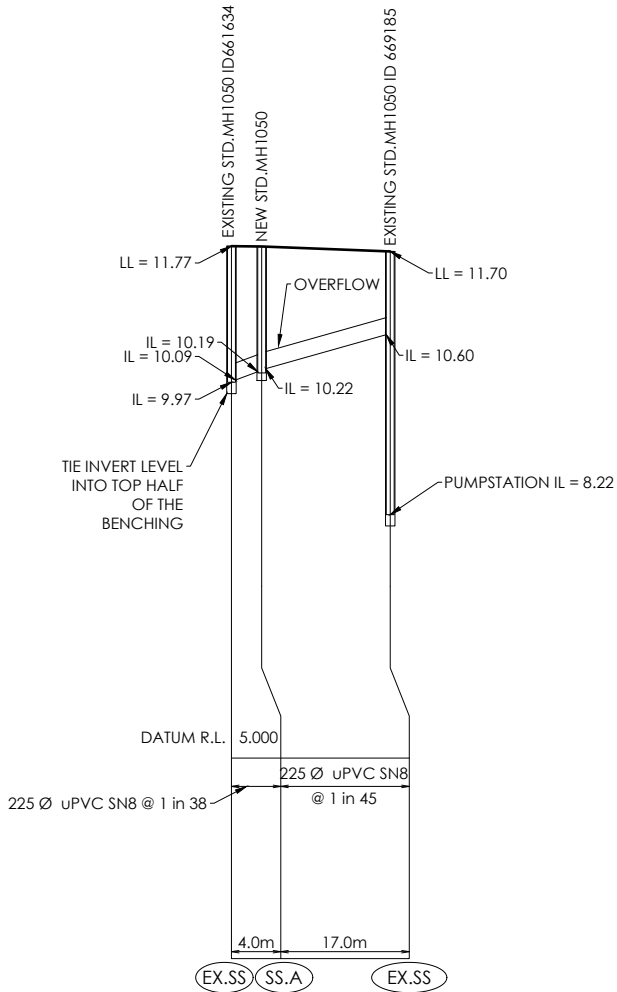
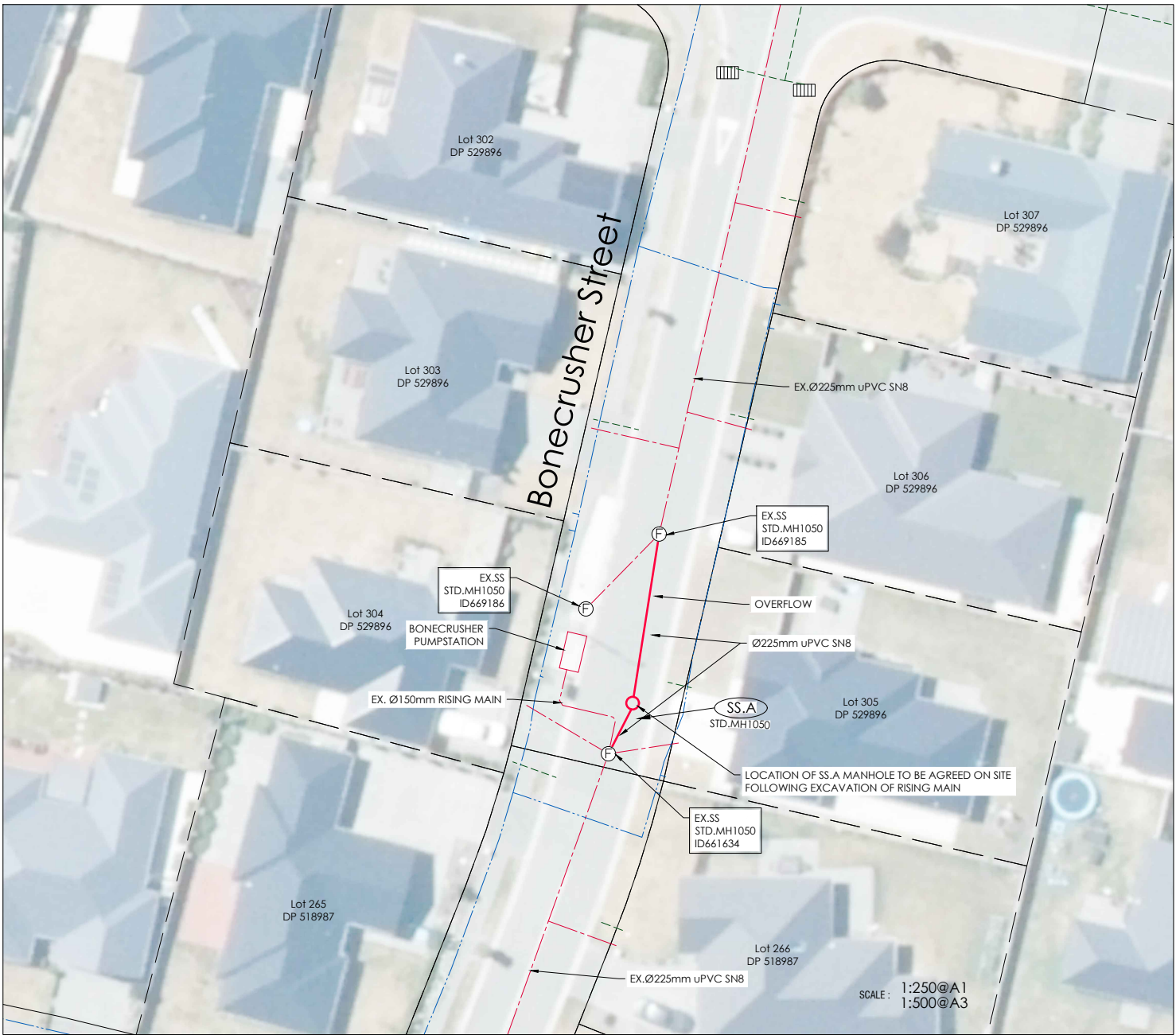
**Stormwater
Longsections**

DRAWING STATUS

For Engineering Approval

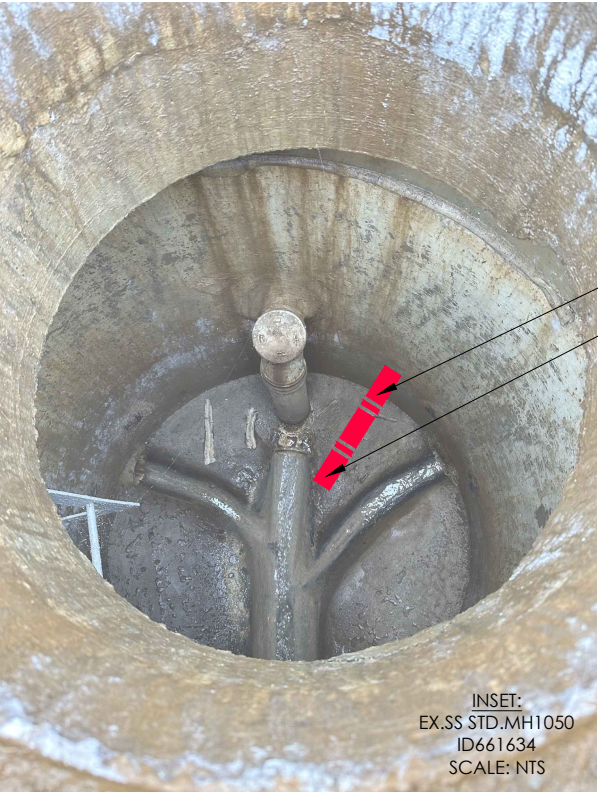
SCALE: As Shown DATE: March 2026

CAD FILE : \\21270\Eng\Drawings\Stage 1\E21270_E04.2_R7.dwg	DRAWN : JS
DRAWING No : E.21270	SHEET No: E04.5
	REVISION : R7



SEWER LONGSECTION
EX.SS TO EX.SS

Scale 1:500 Horiz
1:50 Vert @A1
1:1000 Horiz
1:100 Vert @A3



OVERFLOW PIPE OUTLET

RESHAPE BENCHING
FOR OVERFLOW
OUTLET DISCHARGE
TO HALF HEIGHT OF
BENCHING.

AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R4	9/12/25	NO CHANGES THIS SHEET
R5	11/12/25	NO CHANGES THIS SHEET
R6	19/02/26	NO CHANGES THIS SHEET
R7	23/03/26	NO CHANGES THIS SHEET

- NOTES :
- ALL WORKS IN ACCORDANCE WITH SDC CODE OF PRACTICE PARTS 1-11 STANDARDS, IF STANDARDS ARE UNSPECIFIED REFER TO CCC CSS PARTS 1-7.
 - 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.
 - ALL SERVICES TO BE FULLY SEARCHED AND PILOTTED PRIOR TO TRENCHING.
 - ALL UPVC PIPES (WHETHER SEWER OR STORMWATER) SHALL CONFORM TO AS NZS 1260:1999 AND SHALL HAVE THE FOLLOWING STIFFNESS NUMBERS AS SET OUT IN THE STANDARD: DN 100 AND 150...SN16; DN225 AND LARGER ... SN8.
 - ALL SERVICES UP DRIVEWAYS & ROWs TO BE INSTALLED BY A REGISTERED DRAIN LAYER AND IN TERMS OF THE BUILDING CONSENT.
 - REFER TO LONGSECTIONS FOR ALL SEWER & STORMWATER LEVELS.
 - ORIGIN OF LEVELS
MA67 DP518987 (FSJO)
RL=11.39

LEVELS IN TERMS OF NZVD 2016
 - ALL SEWER AND STORMWATER LATERALS TO BE LAID AT 1:60. MINIMUM GRADE AND LAID TO 1.0m WITHIN LOTS.
 - NOMINATED PIPE SIZES ARE INTERNAL DIAMETER UNLESS NOTED OTHERWISE.
 - ALL RESIDENTIAL STORMWATER LATERALS TO BE 100mm DIAMETER AND INDUSTRIAL LATERALS TO BE A MINIMUM OF 150mm.
 - RAMPED RISERS ARE TO BE USED FOR LATERALS TO ENSURE A MAXIMUM DEPTH OF 1.5m COVER AT THE LOT BOUNDARY.
 - BEDDING TO BE AS PER SD344 UNLESS OTHERWISE SPECIFIED.
 - ALL SUMPS TO HAVE 450mm WETWELL.
 - ALL LATERAL ENDS TO BE MARKED WITH A RED STAKE.
 - MANHOLE CONNECTIONS SHALL BE STARTERS AND SHORTS AND SHORTS AND FINISHERS.
 - LADDERS ARE REQUIRED FOR MANHOLES DEEPER THAN 1.3m WHEN MEASURING FROM THE TOP OF THE BENCHING TO THE FINISHED LEVEL.

	NAME	SIGNED	DATE
DESIGNED BY	FERGUS MATLA		
CHECKED BY	ANDY HALL		



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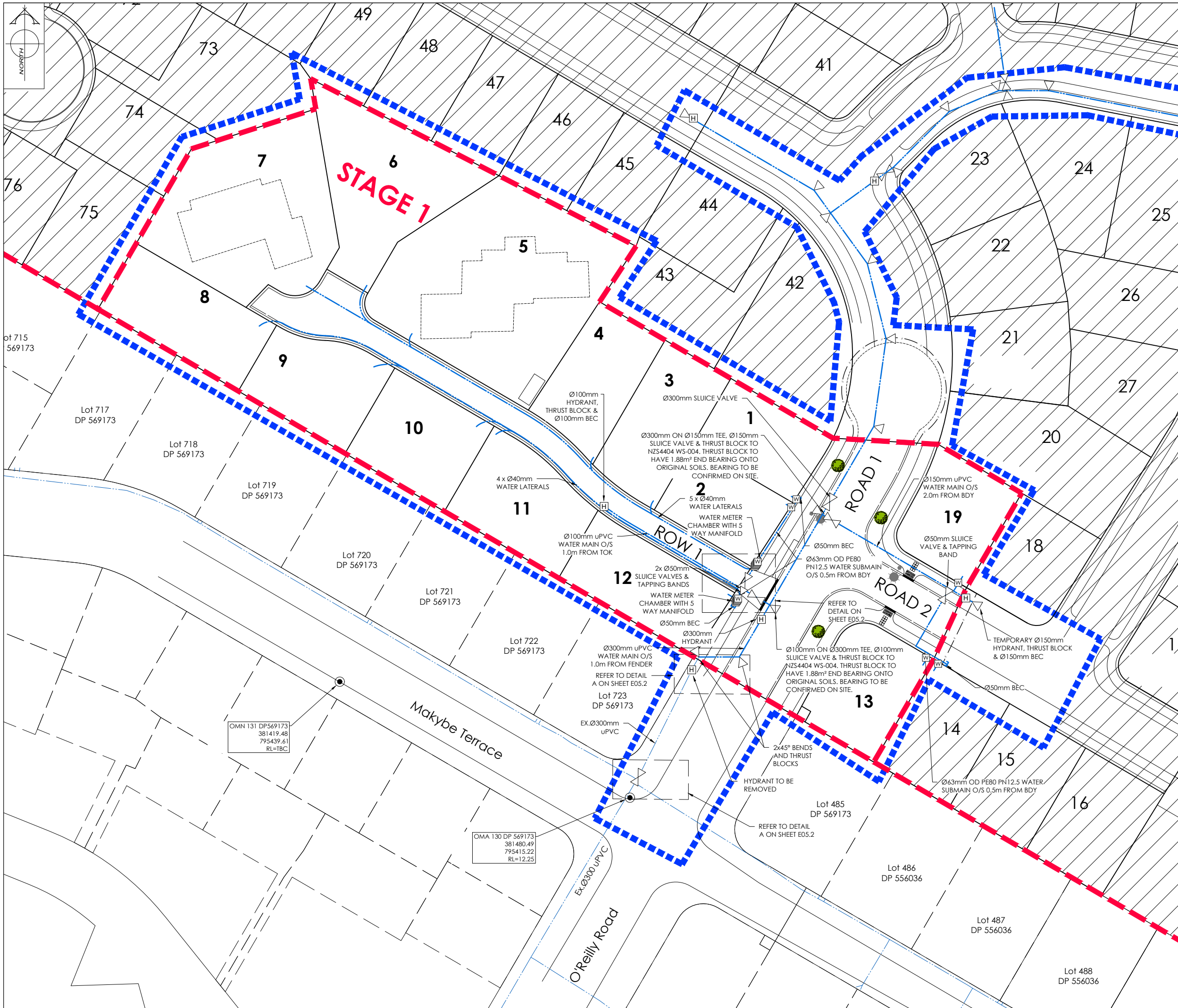
JOB TITLE:
**555 Birchs Road, Lincoln
Stage 1
RC245532 & RC245534**

SHEET TITLE:
**Bonecrusher Street
Pumpstation Upgrade**

DRAWING STATUS
For Engineering Approval

SCALE: As Shown DATE: March 2026

CAD FILE : \\E21270\Eng\Drawings\Stage 1\E21270_E04.2_R7.dwg	DRAWN : JS
DRAWING No : E.21270	SHEET No: E04.6
REVISION :	R7



AMENDMENTS:

AMENDMENT	DATE	DESCRIPTION
R3	16/10/25	HYDRANT LOCATION CHANGED
R4	9/12/25	ROW UPDATED
R5	11/12/25	ROW UPDATED
R6	19/02/26	CONNECTION TO EX. CHANGED
R7	23/03/26	NO CHANGES THIS SHEET

NOTES:

1.

ALL WORKS IN ACCORDANCE WITH CCC IDS AND CSS PARTS 1-7 CURRENT ISSUE.

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.

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.

4.

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

5.

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

6.

CONTRACTOR TO INSTALL WATER MAIN TO ENSURE NO CLASHES WITH OTHER SERVICES. TO BE INSTALLED IN ACCORDANCE WITH THE IDS 7.9.5.

7.

ALL WATER PIPES TO BE PE PN12.5 AND ALL FITTINGS TO BE PN16.

8.

WATERMAINS AND SUBMAINS TO BE INSTALLED AT THE OFFSET STATED ON THE PLAN AND AGREED WITH ENGINEER.

9.

WATERMAINS TO HAVE A MINIMUM COVER OF 0.75m.

10.

REGISTERED CRAFTSMAN PLUMBER TO INSTALL ALL REAR LOT LATERALS. REFER TO THE BUILDING CODE.

11.

CONTRACTORS ATTENTION IS DRAWN TO THE COUNCILS REQUIREMENTS FOR PE WELD TESTING.

12.

ALL WATER CONNECTIONS SHALL BE COMPLETED IN ACCORDANCE WITH WSP005 AND WITNESSED BY SDC MAINTENANCE CONTRACTOR.

13.

BLUE RRPMS (CAT'S EYES) SHALL BE INSTALLED IN THE CENTRE OF THE ROAD ADJACENT TO ALL HYDRANTS WITH A YELLOW TRIANGLE NEXT TO IT ON THE HYDRANT SIDE.

14.

50mm SLUICE VALVES TO BE HAWLE OR AVK OR SIMILAR.

15.

ALL GALVANISED BOLTS BOLTING FLANGES TOGETHER ARE REQUIRED TO BE DENSO WRAPPED AND TAPED OVER.

LEGEND:

EXISTING SERVICES

FH VALVE

WATER

KERB

PROPOSED SERVICES

FH VALVE METER

WATER

KERB

CUT DOWN

NAME	SIGNED	DATE
DESIGNED BY: FERGIUS MATLA		
CHECKED BY: ANDY HALL		

DAVIE LOVELL-SMITH
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Christchurch 8140, New Zealand
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JOB TITLE:

**555 Birchs Road, Lincoln
Stage 1
RC245532 & RC245534**

SHEET TITLE:

Water Plan

DRAWING STATUS

For Engineering Approval

SCALE: 1:375@A1
1:750@A3

DATE: March 2026

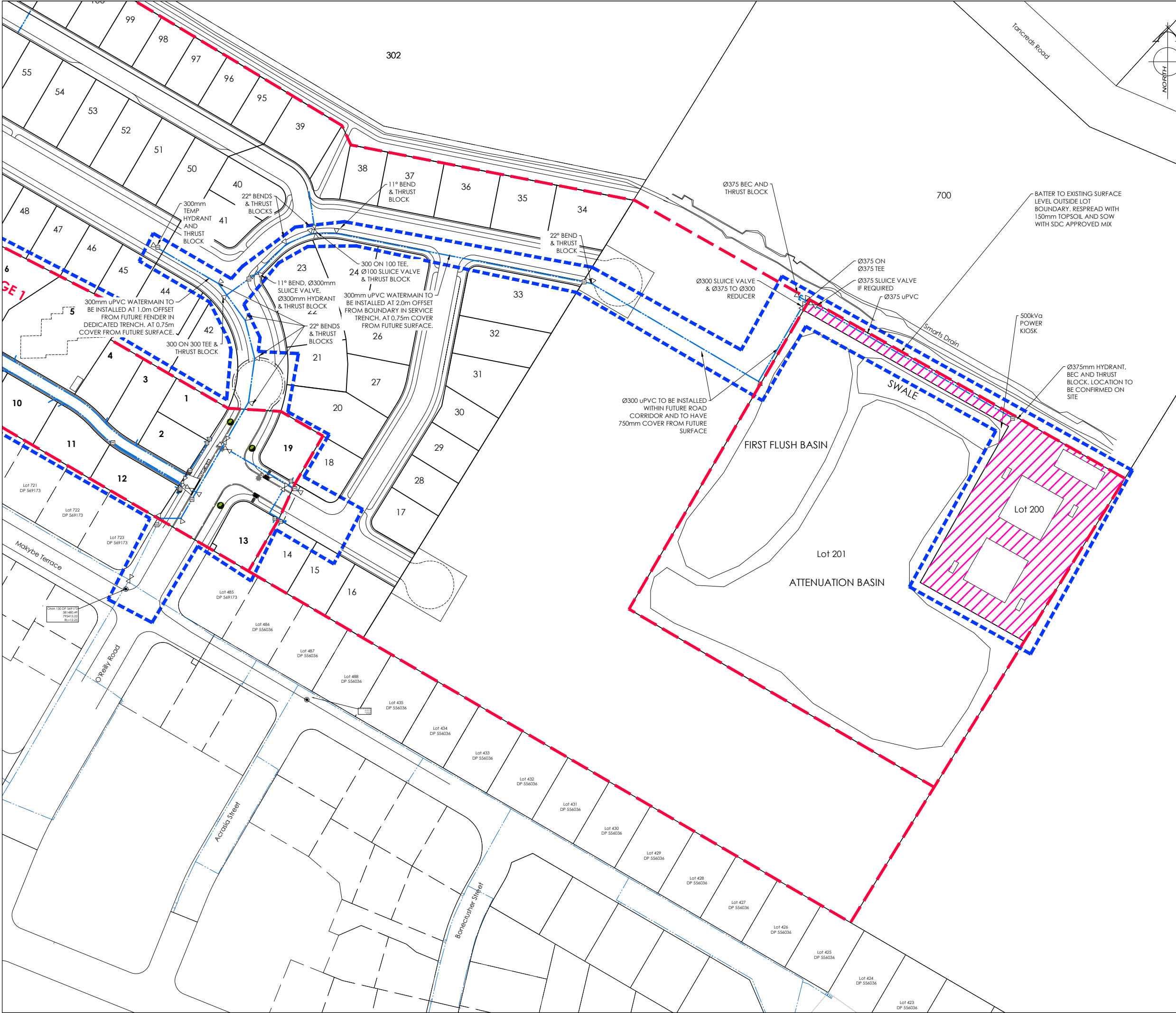
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DRAWING No: **E.21270**

SHEET No: **E05.0**

DRAWN: JS

REVISION: **R7**



AMENDMENTS:		
AMENDMENT	DATE	DESCRIPTION
R3	16/10/25	HYDRANT LOCATION CHANGED
R4	9/12/25	NO CHANGES THIS SHEET
R6	11/12/25	NO CHANGES THIS SHEET
R7	23/03/26	NO CHANGES THIS SHEET

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 - WATERMANS TO HAVE A MINIMUM COVER OF 0.75m.
 - REGISTERED CRAFTSMAN PLUMBER TO INSTALL ALL REAR LOT LATERALS. REFER TO THE BUILDING CODE.
 - CONTRACTORS ATTENTION IS DRAWN TO THE COUNCILS REQUIREMENTS FOR PE WELD TESTING.
 - ALL WATER CONNECTIONS SHALL BE COMPLETED IN ACCORDANCE WITH WSP005 AND WITNESSED BY SDC MAINTENANCE CONTRACTOR.
 - BLUE RRP'M'S (CAT'S EYES) SHALL BE INSTALLED IN THE CENTRE OF THE ROAD ADJACENT TO ALL HYDRANTS WITH A YELLOW TRIANGLE NEXT TO IT ON THE HYDRANT SIDE.
 - 50mm SLUICE VALVES TO BE HAWLE OR AVK OR SIMILAR.
 - ALL GALVANISED BOLTS BOLTING FLANGES TOGETHER ARE REQUIRED TO BE DENSO WRAPPED AND TAPED OVER.

LEGEND:	
EXISTING SERVICES	PROPOSED SERVICES
WATER  VALVE 	WATER  VALVE  METER 
KERB 	KERB  CUT DOWN 

	NAME	SIGNED	DATE
DESIGNED BY	FERGUS MATLA		
CHECKED BY	ANDY HALL		



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JOB TITLE:

**555 Birchs Road, Lincoln
Stage 1
RC245532 & RC245534**

SHEET TITLE:

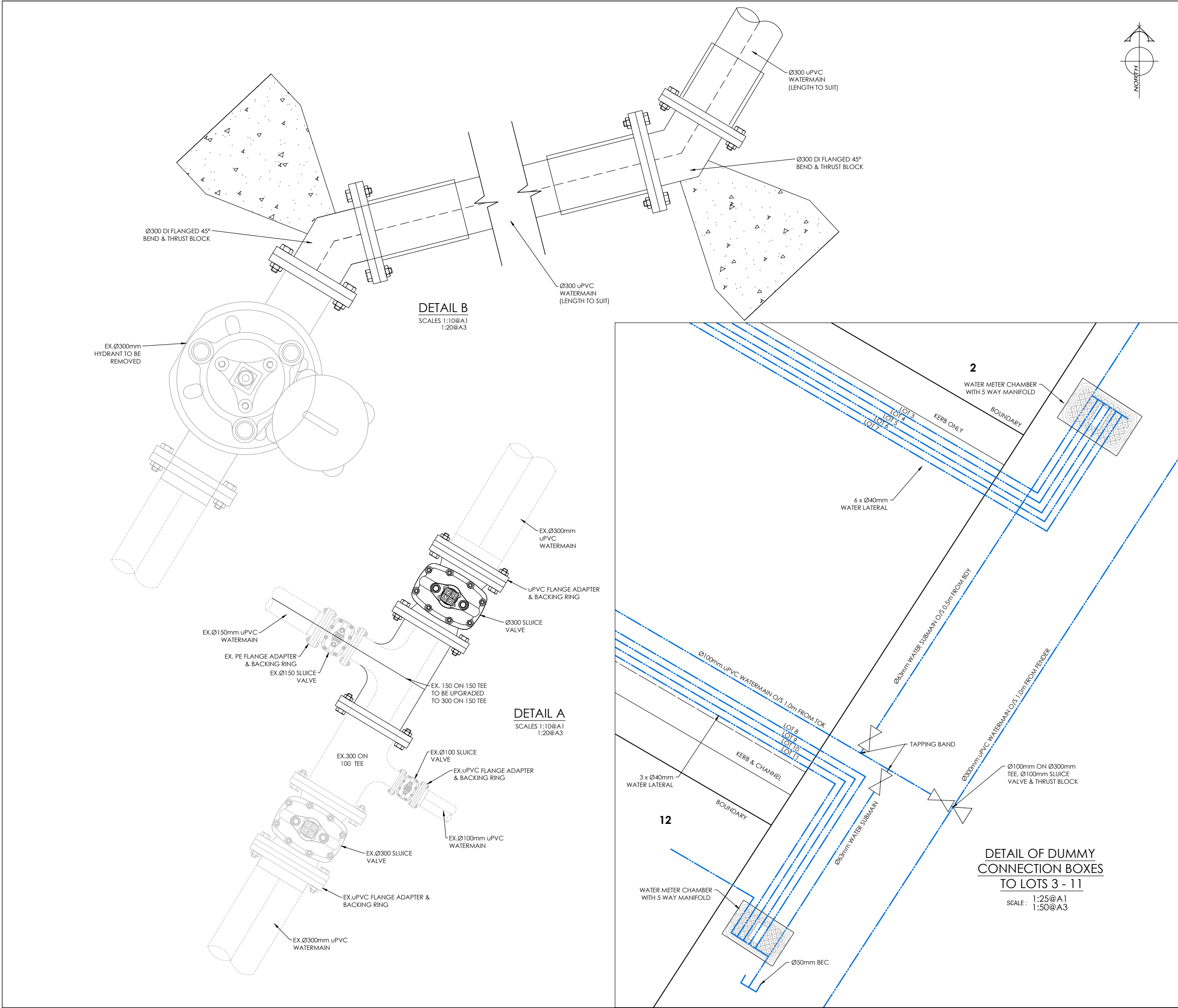
Water Extension Plan

DRAWING STATUS

For Engineering Approval

SCALE: 1:750@A1 1:1500@A3	DATE: March 2026
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CAD FILE: J:\21270\Eng\Drawings\Stage 1\E21270_E01.0_R7.dwg	DRAWN: JS
DRAWING No: E.21270	REVISION: R5
SHEET No: E05.1	



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R3	16/10/25	NO CHANGES THIS SHEET
R4	9/12/25	NO CHANGES THIS SHEET
R5	11/12/25	DETAILS UPDATED
R6	19/02/26	DETAILS UPDATED
R7	23/03/26	NO CHANGES THIS SHEET

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DESIGNED BY	FERGUS MATLA		
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JOB TITLE:

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Stage 1
RC245532 & RC245534**

SHEET TITLE:

Water Detail

DRAWING STATUS

For Engineering Approval

SCALE : As Shown

DATE : March 2026

CAD FILE : \\21270\Eng\Drawings\Stage 1\E21270_E01.0_R7.dwg

DRAWN : JS

DRAWING No : **E.21270**

SHEET No: **E05.2**

REVISION : **R7**