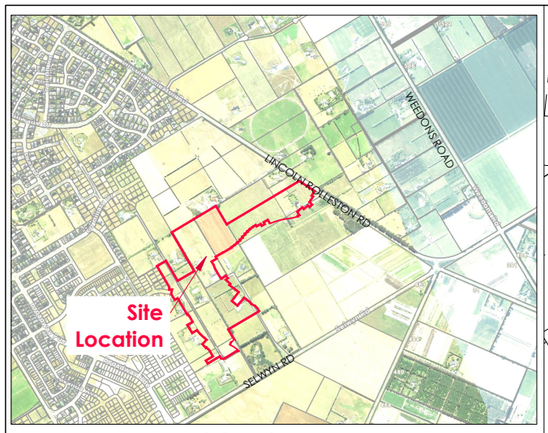
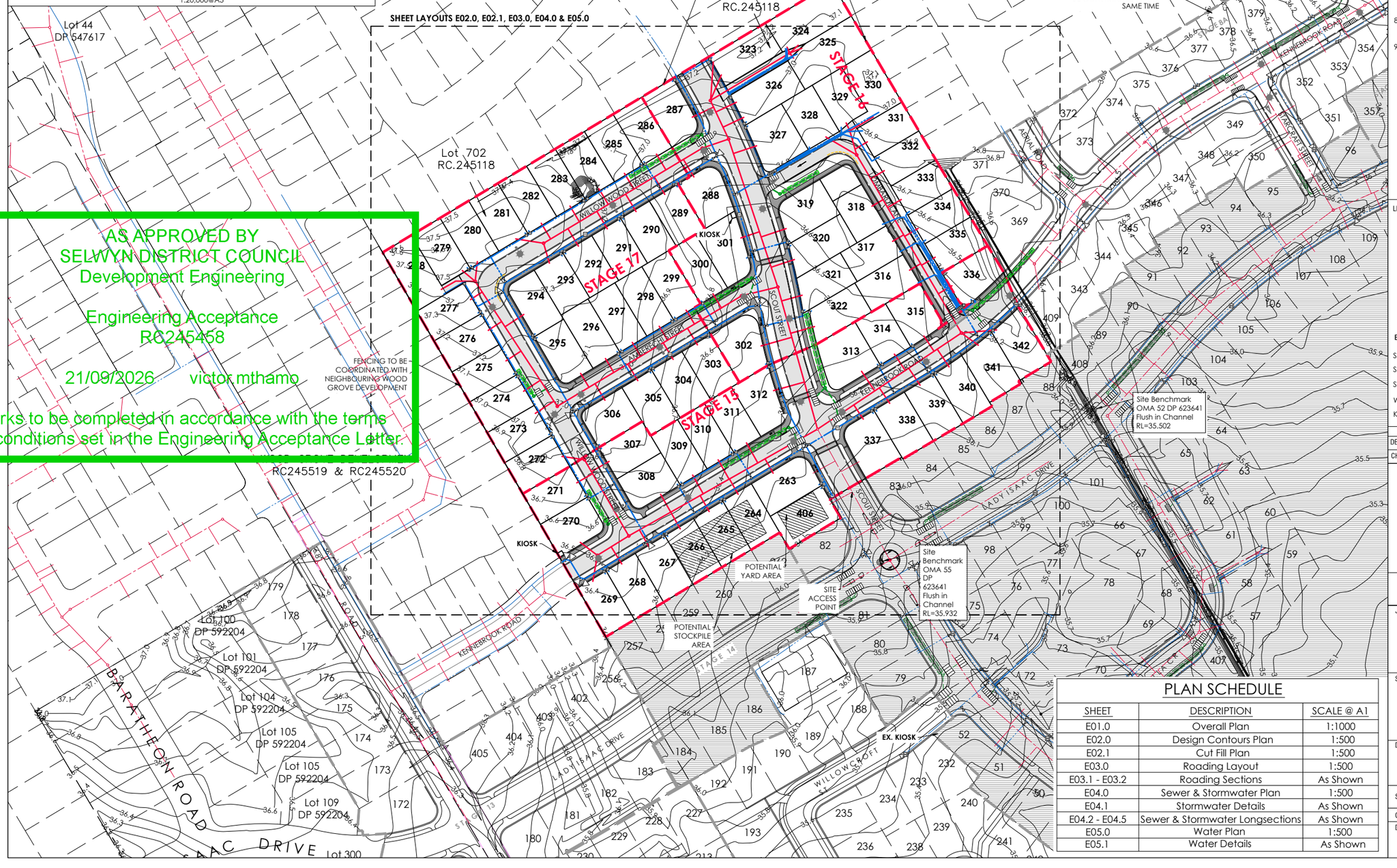


LOCATION PLAN

Scale: 1:10,000@A1
1:20,000@A3



AS APPROVED BY
SELWYN DISTRICT COUNCIL
Development Engineering

Engineering Acceptance
RC245458

21/09/2026 victor.mthamo

Works to be completed in accordance with the terms and conditions set in the Engineering Acceptance Letter.

PLAN SCHEDULE

SHEET	DESCRIPTION	SCALE @ A1
E01.0	Overall Plan	1:1000
E02.0	Design Contours Plan	1:500
E02.1	Cut Fill Plan	1:500
E03.0	Roading Layout	1:500
E03.1 - E03.2	Roading Sections	As Shown
E04.0	Sewer & Stormwater Plan	1:500
E04.1	Stormwater Details	As Shown
E04.2 - E04.5	Sewer & Stormwater Longsections	As Shown
E05.0	Water Plan	1:500
E05.1	Water Details	As Shown

AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION

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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.
6. CONTOUR INTERVAL: 0.1m MINOR. 1.0m MAJOR.
7. ORIGIN OF LEVELS
   LEVELS ARE IN TERMS OF LYTTELTON VERTICAL DATUM 1937

   ORIGIN MARK B882 (UG 32)
   RL 55.908m
   CHK EJ8W (CC 370 NO 2)
   RL 58.154m
8. CONTROL OF SW, SEDIMENT AND DUST ON SITE IS THE RESPONSIBILITY OF THE CONTRACTOR.
9. ALL ROW AND DRIVEWAYS ARE TO HAVE CABLES INSTALLED FOR COMMUNICATIONS AND POWER SUPPLY.

LEGEND :

- STAGE BOUNDARY
- STREET LIGHT
- EXISTING STREET LIGHT
- NEW ASPHALT PAVEMENT
- NEW FOOTPATH
- NEW CHIP SEAL PAVEMENT
- COMPLETED STAGES
- NEW EXPOSED AGGREGATE CONCRETE

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

	NAME	SIGNED	DATE
DESIGNED BY	FERGUS MATLA		
CHECKED BY	BEN FOX		

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:

Broadfield Grange Stages 15, 16 & 17

SHEET TITLE:

Overall Plan RC245458

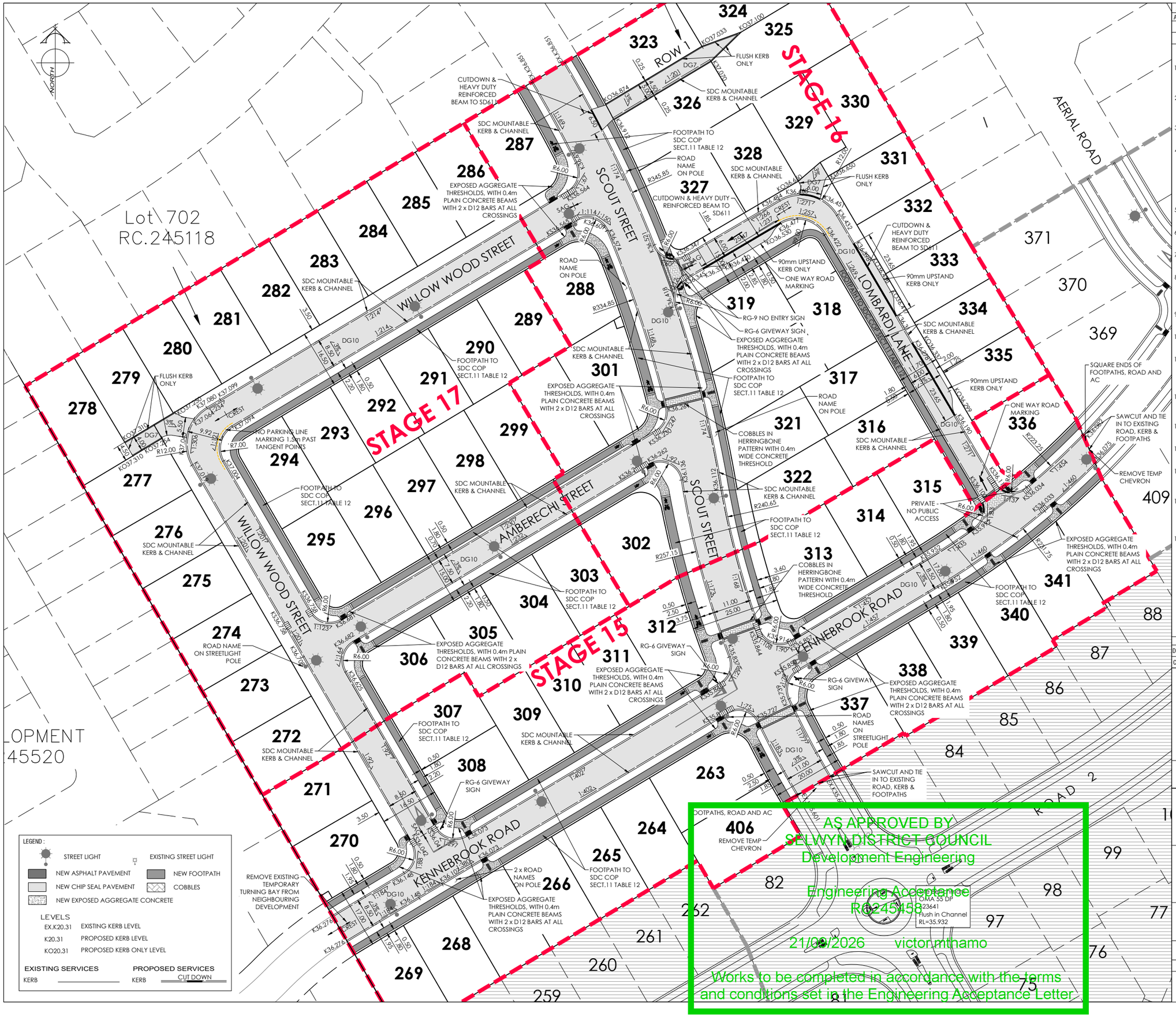
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For Engineering Approval

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

CAD FILE : Z:\21492\Eng\Drawings\E21492_E01.0_R0 STGs 15, 16 & 17.DWG DRAWN : GC

DRAWING No : **E.21492** SHEET No: **E01.0** REVISION : **R0**



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8. 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.
9. ALL BERMS TO BE COVERED WITH A MINIMUM OF 150mm GRADE 1 TOPSOIL AND GRASSED WITH SDC BERM MIX.
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17. ALL ROW AND DRIVEWAYS ARE TO HAVE CABLES INSTALLED FOR COMMUNICATIONS AND POWER SUPPLY.

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DESIGNED BY	FERGUS MATLA		
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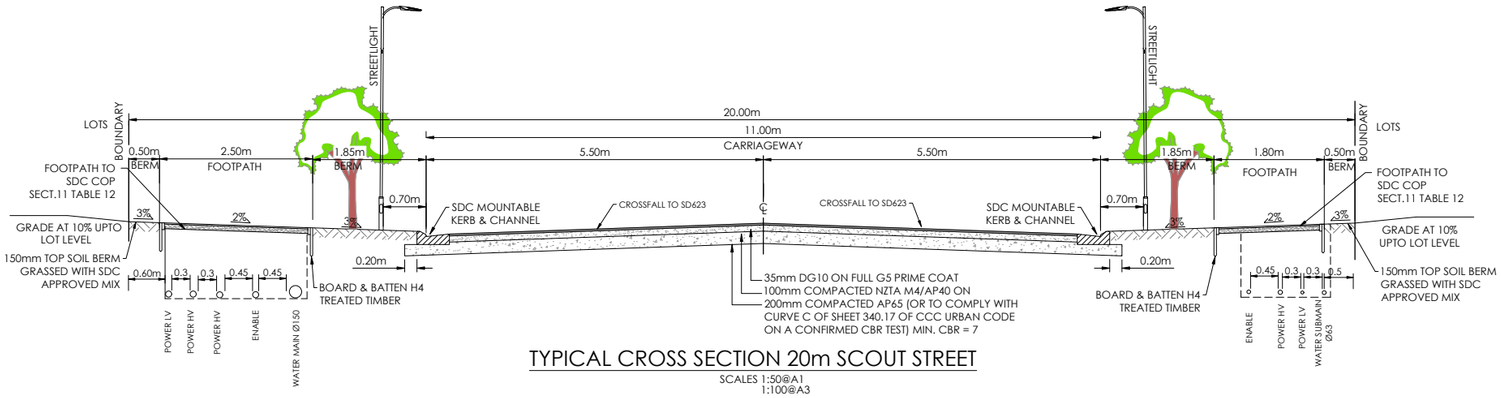
DAVIE LOVELL-SMITH
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JOB TITLE:
Broadfield Grange Stages 15, 16 & 17

SHEET TITLE:
Roading Layout RC245458

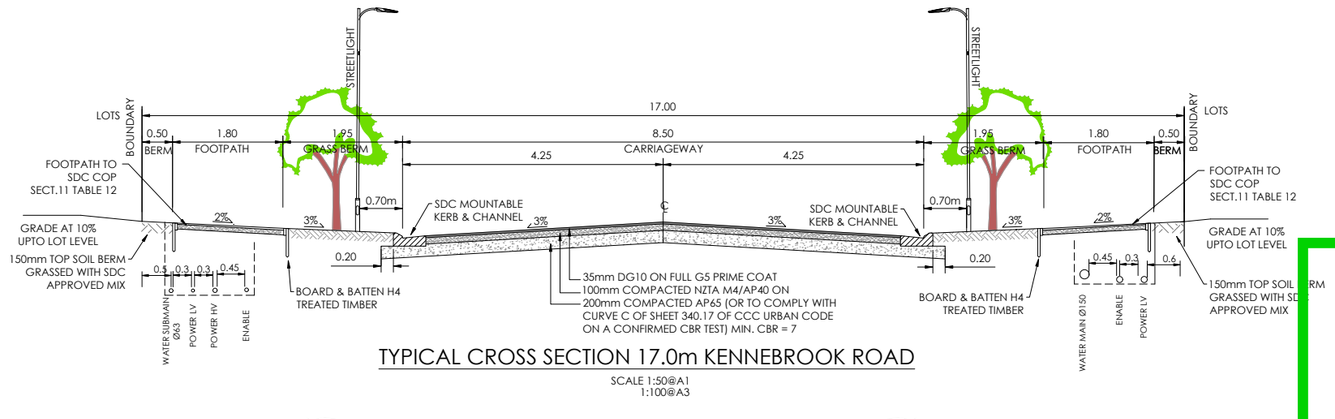
DRAWING STATUS
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DATE : August 2026
CAD FILE : J:\21492\Eng\Drawings\E21492_E01.0_R0 STGs 15, 16 & 17.DWG
DRAWN : GC
DRAWING No : E.21492
SHEET No: E03.0
REVISION : R0



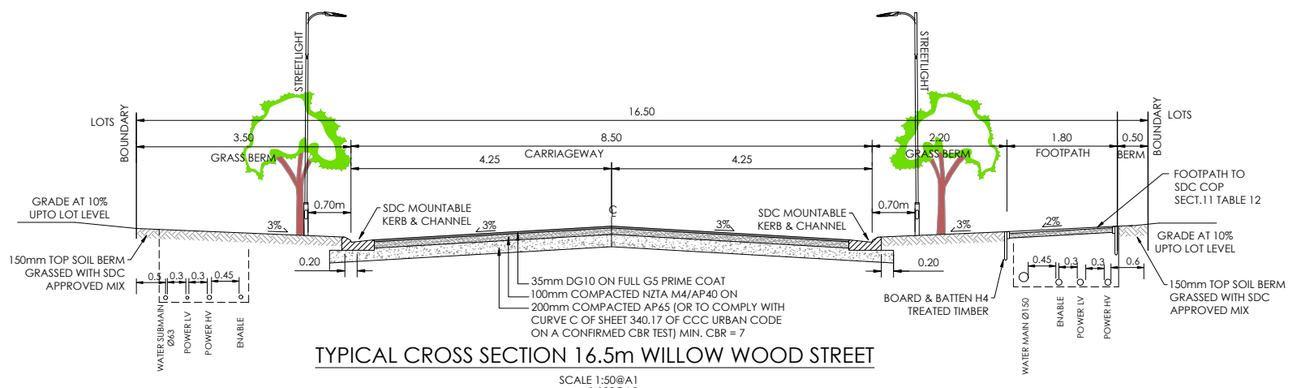
TYPICAL CROSS SECTION 20m SCOUT STREET

SCALES 1:50@A1
1:100@A3



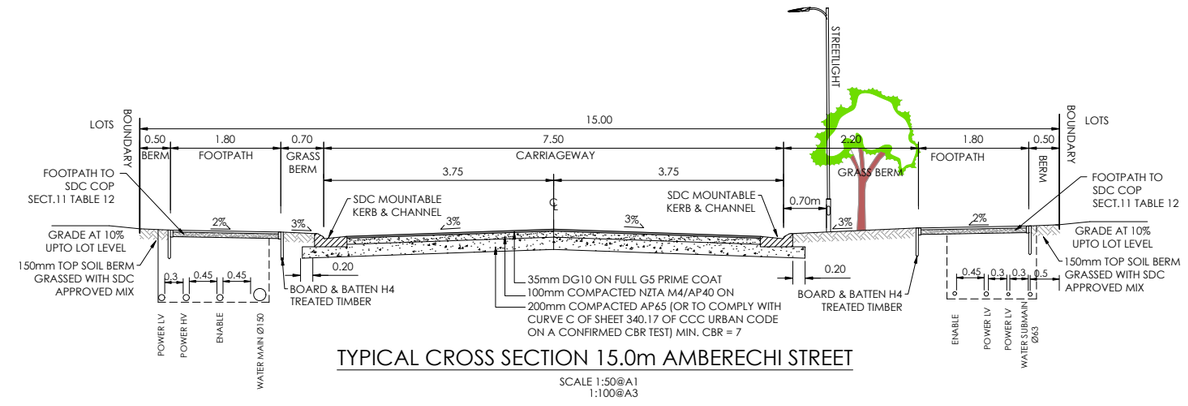
TYPICAL CROSS SECTION 17.0m KENNEBROOK ROAD

SCALE 1:50@A1
1:100@A3



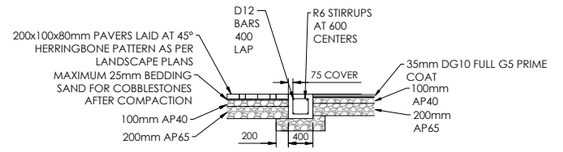
TYPICAL CROSS SECTION 16.5m WILLOW WOOD STREET

SCALE 1:50@A1
1:100@A3



TYPICAL CROSS SECTION 15.0m AMBERECHI STREET

SCALE 1:50@A1
1:100@A3



PLAIN CONCRETE BEAM DETAIL

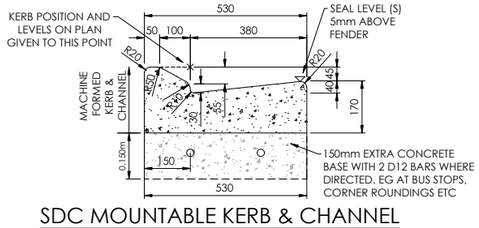
SCALES 1:50@A1
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AS APPROVED BY
SELWYN DISTRICT COUNCIL
Development Engineering

Engineering Acceptance
RC245458

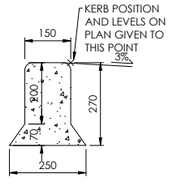
21/09/2026 victor.mthamo

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SDC MOUNTABLE KERB & CHANNEL

SCALE 1:10@A1
1:20@A3



KERB ONLY TO CCC SD602

VARIES AS SPECIFIED ON DESIGN PLANS

SCALES 1:10@A1
1:20@A3

AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION

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	NAME	SIGNED	DATE
DESIGNED BY	FERGUS MATLA		
CHECKED BY	BEN FOX		

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:

Broadfield Grange
Stages 15, 16 & 17

SHEET TITLE:

Roading Sections
RC245458

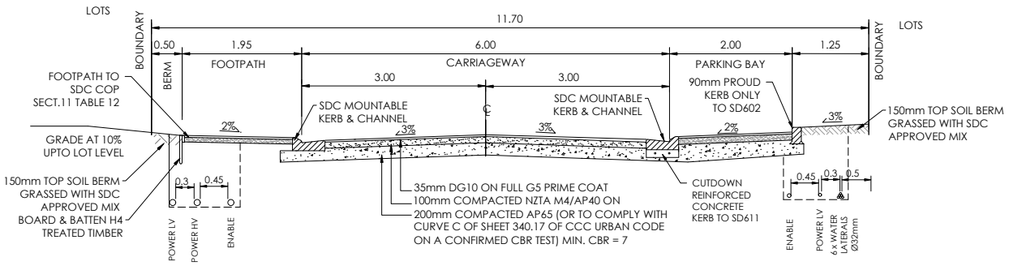
DRAWING STATUS

For Engineering Approval

SCALE : As Shown DATE : August 2026

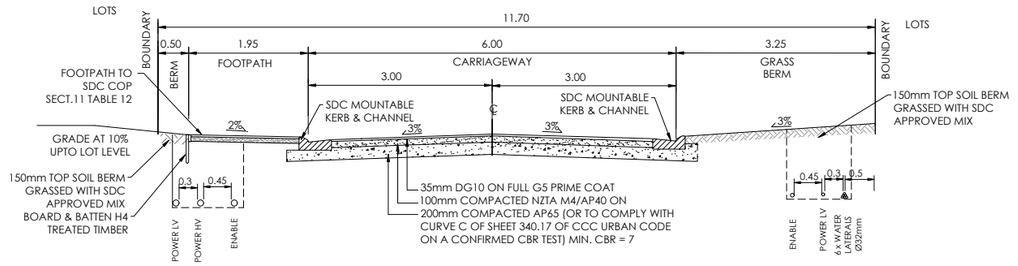
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DRAWING No : **E.21492** SHEET No: **E03.1** REVISION : **R0**



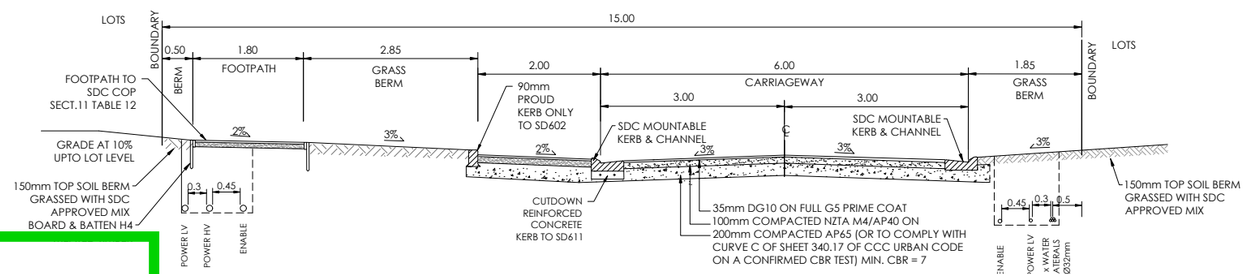
TYPICAL CROSS SECTION 11.7m LOMBARDI LANE (PARKING BAYS)

SCALE 1:50@A1
1:100@A3



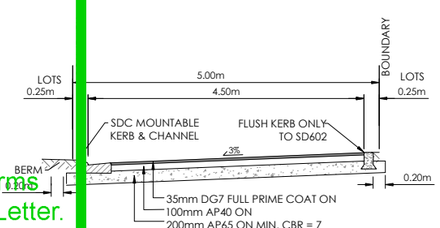
TYPICAL CROSS SECTION 11.7m LOMBARDI LANE (NO PARKING BAY)

SCALE 1:50@A1
1:100@A3



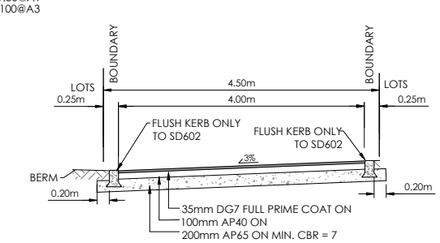
TYPICAL CROSS SECTION 15.0m LOMBARDI LANE (PARKING BAY)

SCALE 1:50@A1
1:100@A3



TYPICAL CROSS SECTION 5.0m ROW 1

SCALES 1:50@A1
1:100@A3



TYPICAL CROSS SECTION 4.5m ACCESS LOT 278

SCALES 1:50@A1
1:100@A3

AS APPROVED BY
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Development Engineering

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RC245458

21/09/2026 victor.mthamo

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AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION

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DESIGNED BY	FERGUS MATLA		
CHECKED BY	BEN FOX		

DAVIE LOVELL-SMITH
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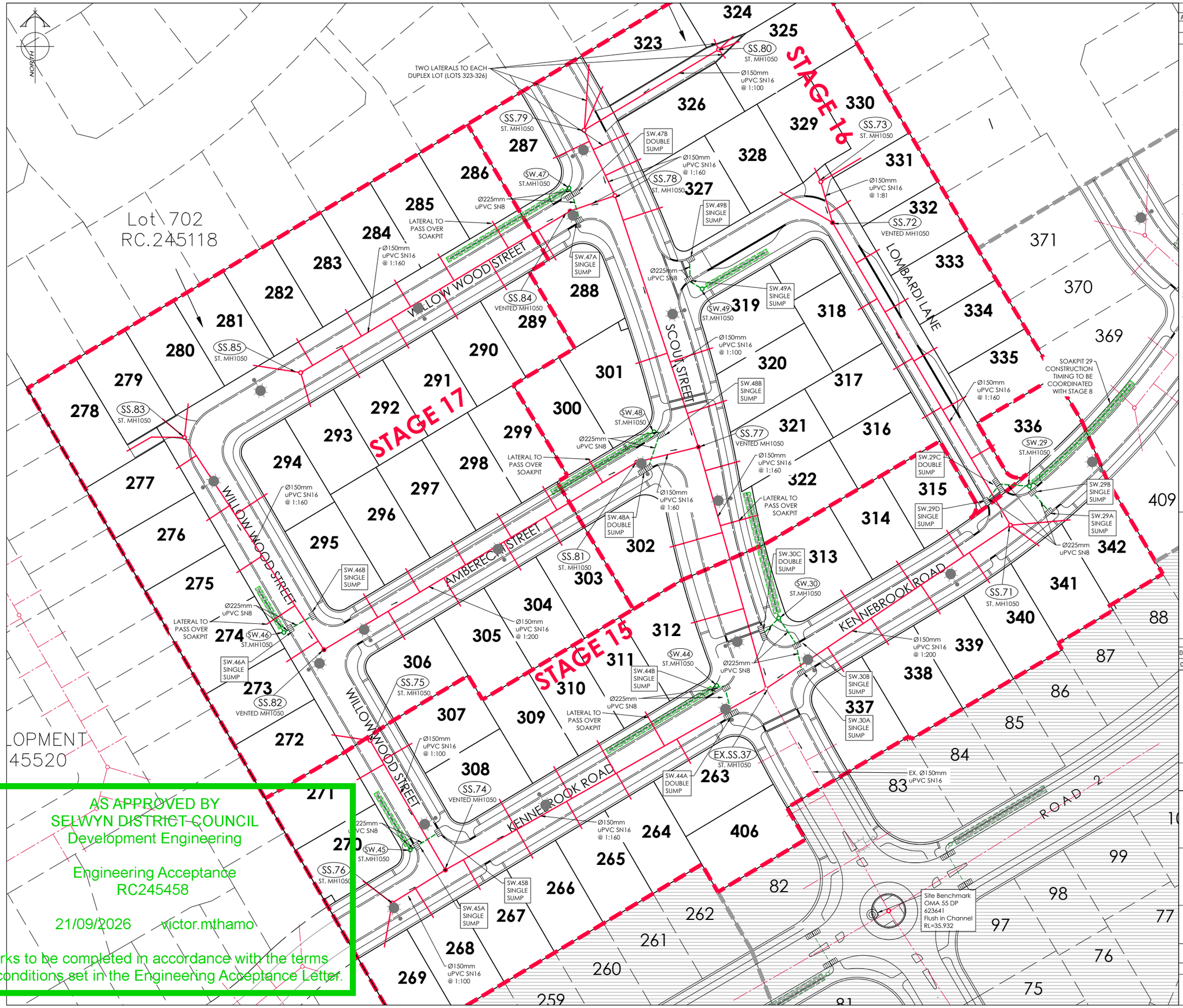
DRAWING STATUS

For Engineering Approval

SCALE : As Shown DATE : August 2026

CAD FILE : J:\21492\Eng\Drawings\E21492_E01.0_R0 STGs 15, 16 & 17.DWG DRAWN : GC

DRAWING No : **E.21492** SHEET No: **E03.2** REVISION : **R0**



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3. ALL SERVICES TO BE FULLY SEARCHED AND PILOTED 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
   LEVELS ARE IN TERMS OF LYTTELTON VERTICAL DATUM 1937

   ORIGIN MARK B882 (UG 32)
   RL 55.908m
   CHK EJ8W (CC 370 NO 2)
   RL 58.154m
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.
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 STORMWATER PIPES 225mm DIAMETER uPVC SN8 UNLESS NOTED OTHERWISE. REFER TO LONSECTIONS FOR DETAILS.

LEGEND :

STREET LIGHT
EXISTING STREET LIGHT
STORMWATER SOAKPIT

EXISTING SERVICES		PROPOSED SERVICES	
SANITARY SEWER	STD. MH	SANITARY SEWER	STD. MH
SANITARY SEWER	VENTED MH	SANITARY SEWER	VENTED MH
STORMWATER	MH	STORMWATER	MH
KERB		KERB	CUT DOWN

	NAME	SIGNED	DATE
DESIGNED BY	FERGUS MATLA		
CHECKED BY	BEN FOX		

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Stages 15, 16 & 17

SHEET TITLE:
Sewer & Stormwater Plan
RC245458

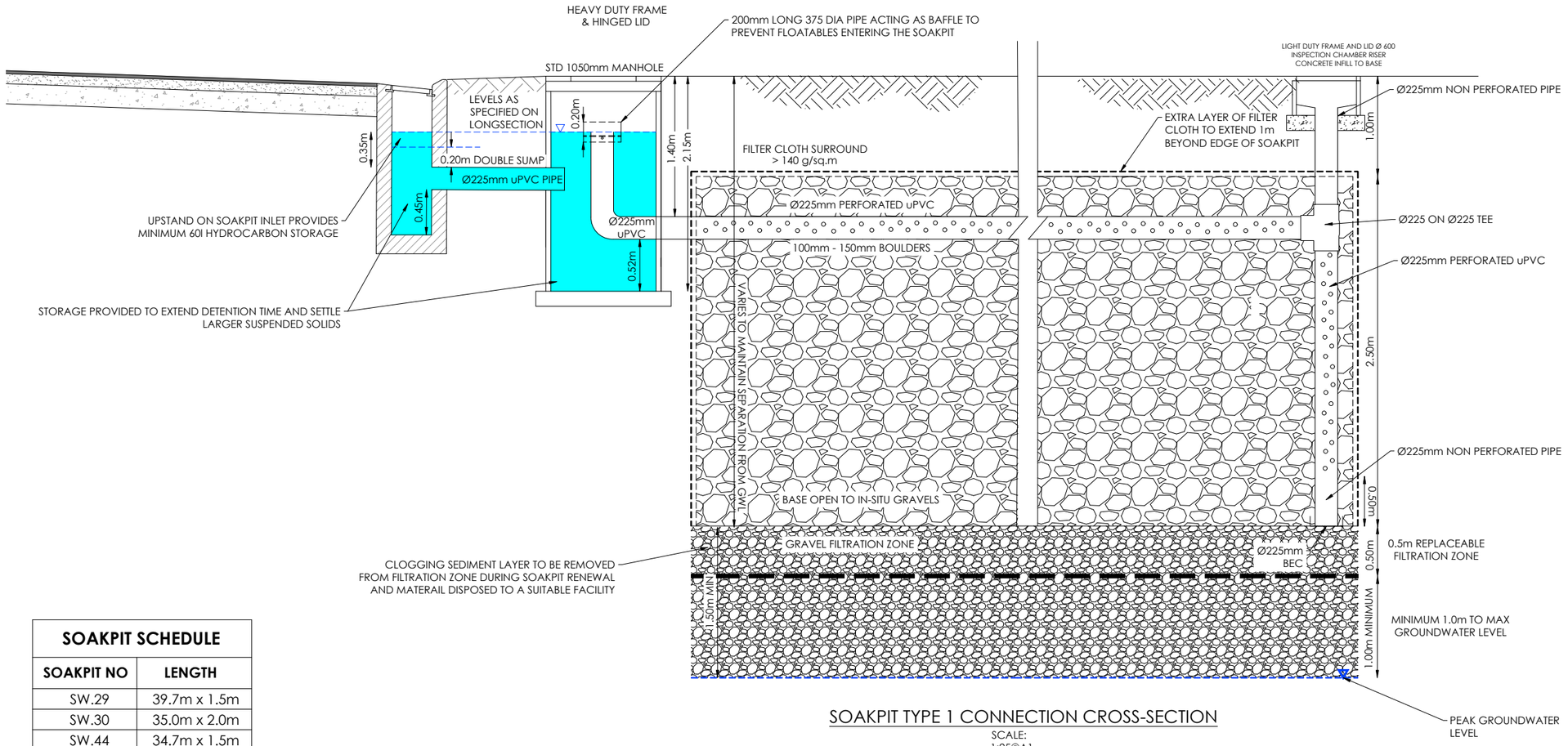
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DRAWN : GC

DRAWING No : **E.21492**
SHEET No: **E04.0**
REVISION : **R0**

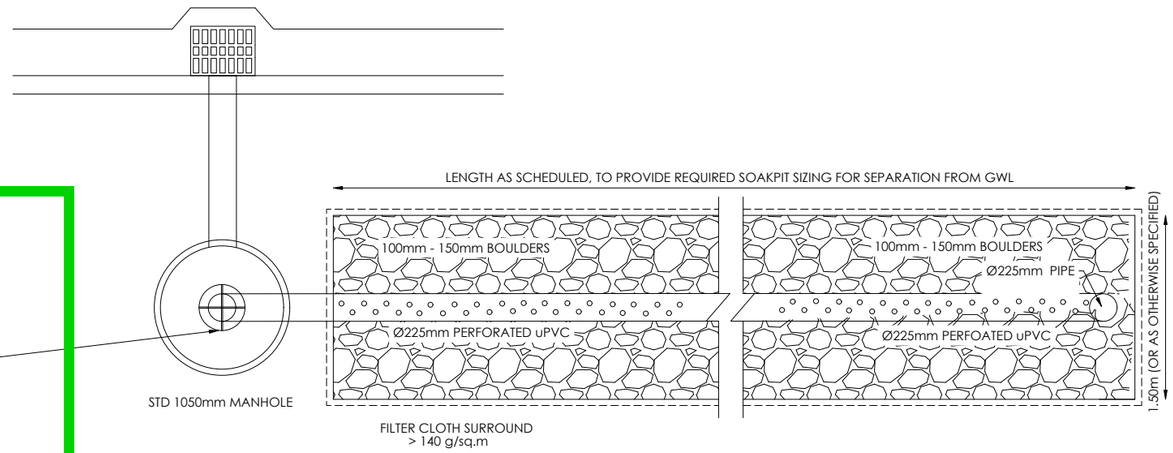
SOAKAGE RATE TO BE CONFIRMED ONSITE. REFER TO ENGINEER FOR SOAKPIT SIZING.



SOAKPIT TYPE 1 CONNECTION CROSS-SECTION

SCALE:
1:25@A1
1:50@A3

SOAKPIT SCHEDULE	
SOAKPIT NO	**LENGTH**
SW.29	39.7m x 1.5m
SW.30	35.0m x 2.0m
SW.44	34.7m x 1.5m
SW.45	17.3m x 1.5m
SW.46	13.2m x 1.5m
SW. 47	38.3m x 1.5m
SW.48	32.0m x 1.5m
SW.49	19.7m x 1.5m



SUMP TO SOAKPIT TYPE 1 CONNECTION PLAN

SCALE:
1:25@A1
1:50@A3

AS APPROVED BY
SELWYN DISTRICT COUNCIL
Development Engineering

Engineering Acceptance
RC245458

21/09/2026 victor.mthamo

Works to be completed in accordance with the terms and conditions set in the Engineering Acceptance Letter.

AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION

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. ALL SERVICES TO BE FULLY SEARCHED AND PILOTED 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
   LEVELS ARE IN TERMS OF LYTTELTON VERTICAL DATUM 1937

   ORIGIN MARK B882 (UG 32)
   RL 55.908m
   CHK EJBW (CC 370 NO 2)
   RL 58.154m
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.
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 STORMWATER PIPES 225mm DIAMETER uPVC SN8 UNLESS NOTED OTHERWISE. REFER TO LONSECTIONS FOR DETAILS.

	NAME	SIGNED	DATE
DESIGNED BY	FERGUS MATLA		
CHECKED BY	BEN FOX		

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:
Broadfield Grange
Stages 15, 16 & 17

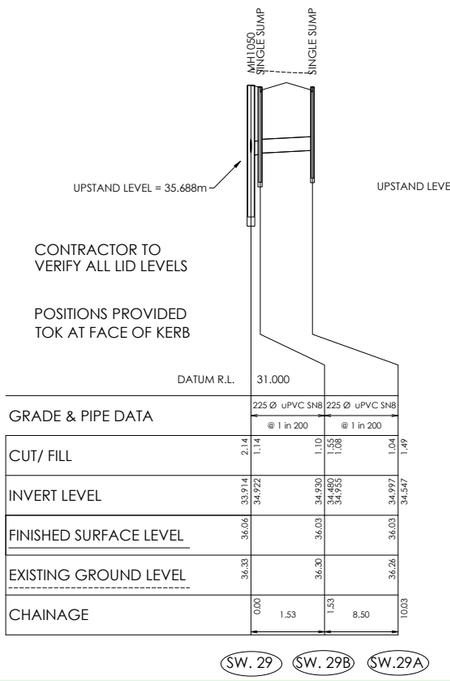
SHEET TITLE:
Stormwater Details
RC245458

DRAWING STATUS
For Engineering Approval

SCALE : As Shown DATE : August 2026

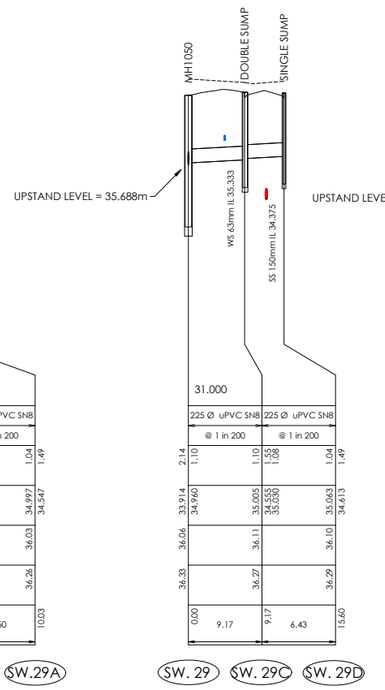
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DRAWING No : **E.21492** SHEET No: **E04.1** REVISION : **R0**



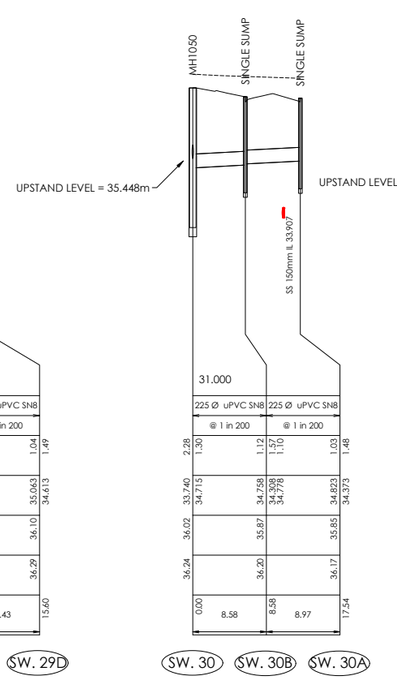
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Scale 1:500 Horiz @A1
1:50 Vert
1:1000 Horiz @A3
1:100 Vert



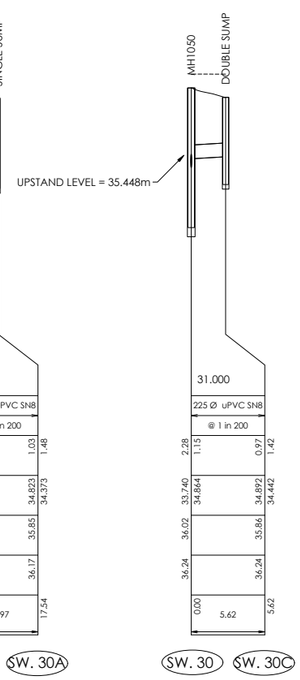
SW LONGSECTION SW.29 TO SW.29D

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



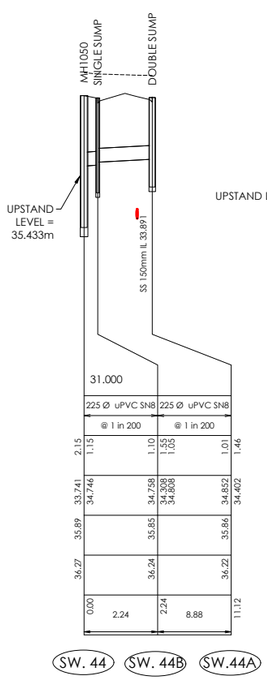
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Scale 1:500 Horiz @A1
1:50 Vert
1:1000 Horiz @A3
1:100 Vert



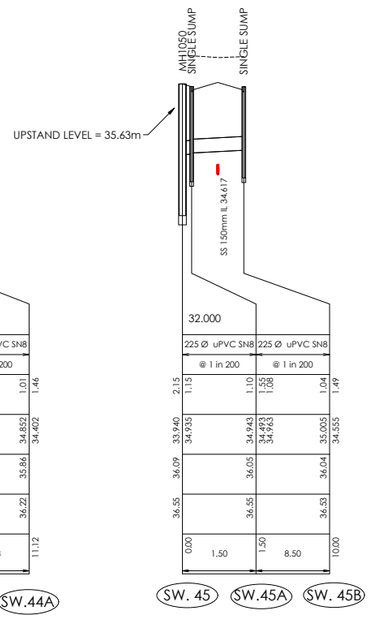
SW LONGSECTION SW.30 TO SW.30C

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



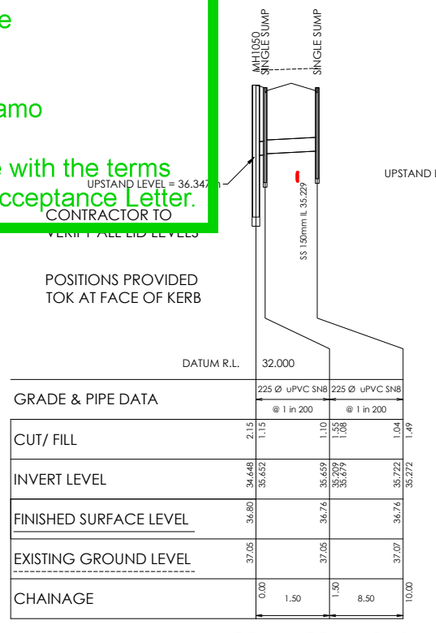
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Scale 1:500 Horiz @A1
1:50 Vert
1:1000 Horiz @A3
1:100 Vert



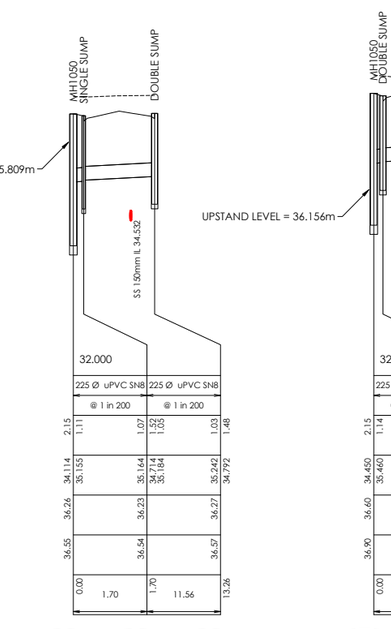
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Scale 1:500 Horiz @A1
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1:1000 Horiz @A3
1:100 Vert



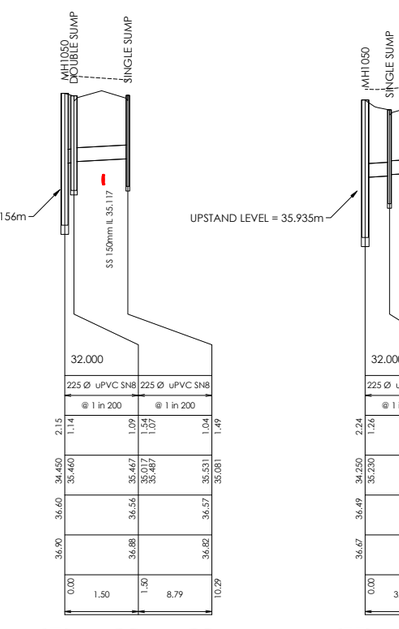
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Scale 1:500 Horiz @A1
1:50 Vert
1:1000 Horiz @A3
1:100 Vert



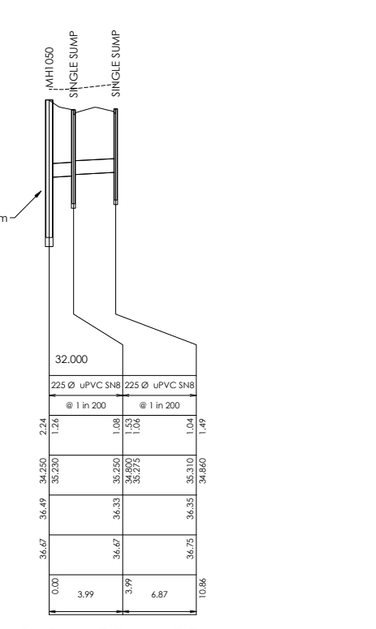
SW LONGSECTION SW.48 TO SW.48A

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



SW LONGSECTION SW.47 TO SW.47A

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



SW LONGSECTION SW.49 TO SW.49B

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

AS APPROVED BY
SELWYN DISTRICT COUNCIL
Development Engineering

Engineering Acceptance
RC245458

21/09/2026 victor.mthamo

Works to be completed in accordance with the terms and conditions set in the Engineering Acceptance Letter.

AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION

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. ORIGIN OF LEVELS
   ORIGIN MARK B882 (UG 32)
   RL=55.908m
   CHK EJ8W (CC 370 NO 2)
   RL=58.154m

   LEVELS ARE IN TERMS OF LYTTELTON VERTICAL DATUM 1937.
4. 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.
5. ELECTRICITY & TELECOM SERVICES NOT SHOWN. REFER TO ELECTRICAL & COMMUNICATION PLANS FOR DUCT LOCATIONS.
6. TRENCHING AND INSTALLATION OF POWER AND TELECOM SERVICES TO BE PROVIDED IN ACCORDANCE WITH SERVICE PROVIDERS PLANS AND SPECIFICATIONS.
7. REFER TO LONGSECTIONS FOR ALL SEWER & STORMWATER LEVELS.
8. NOMINATED PIPE SIZES ARE INTERNAL DIAMETER UNLESS NOTED OTHERWISE.
9. 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.
10. ALL SEWER AND STORMWATER LATERALS TO BE LAID AT 1:60. MINIMUM GRADE AND LAID TO 1.0m WITHIN LOTS.
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. CONCRETE CAPPING TO SD342 WHERE LESS THAN 750MM COVER TO SEWER WITHIN ROAD CARRIAGEWAY.
15. MANHOLE CONNECTIONS SHALL BE STARTERS & SHORTS AND SHORTS & FINISHERS.
16. CORBELS TO BE CONSTRUCTED TO SDC STANDARD INCLUDING CHEMSET.
17. LADDERS ARE REQUIRED FOR SEWER MANHOLES DEEPER THAN 1.2m MEASURED FROM THE TOP OF BENCHING TO FINISHED LEVEL.
18. CONTRACTOR TO VERIFY ALL EXISTING INVERTS AND LID LEVELS ON SITE.

	NAME	SIGNED	DATE
DESIGNED BY	FERGUS MATLA		
CHECKED BY	BEN FOX		

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:

Broadfield Grange
Stages 15, 16 & 17

SHEET TITLE:

Stormwater Longsections
RC245458

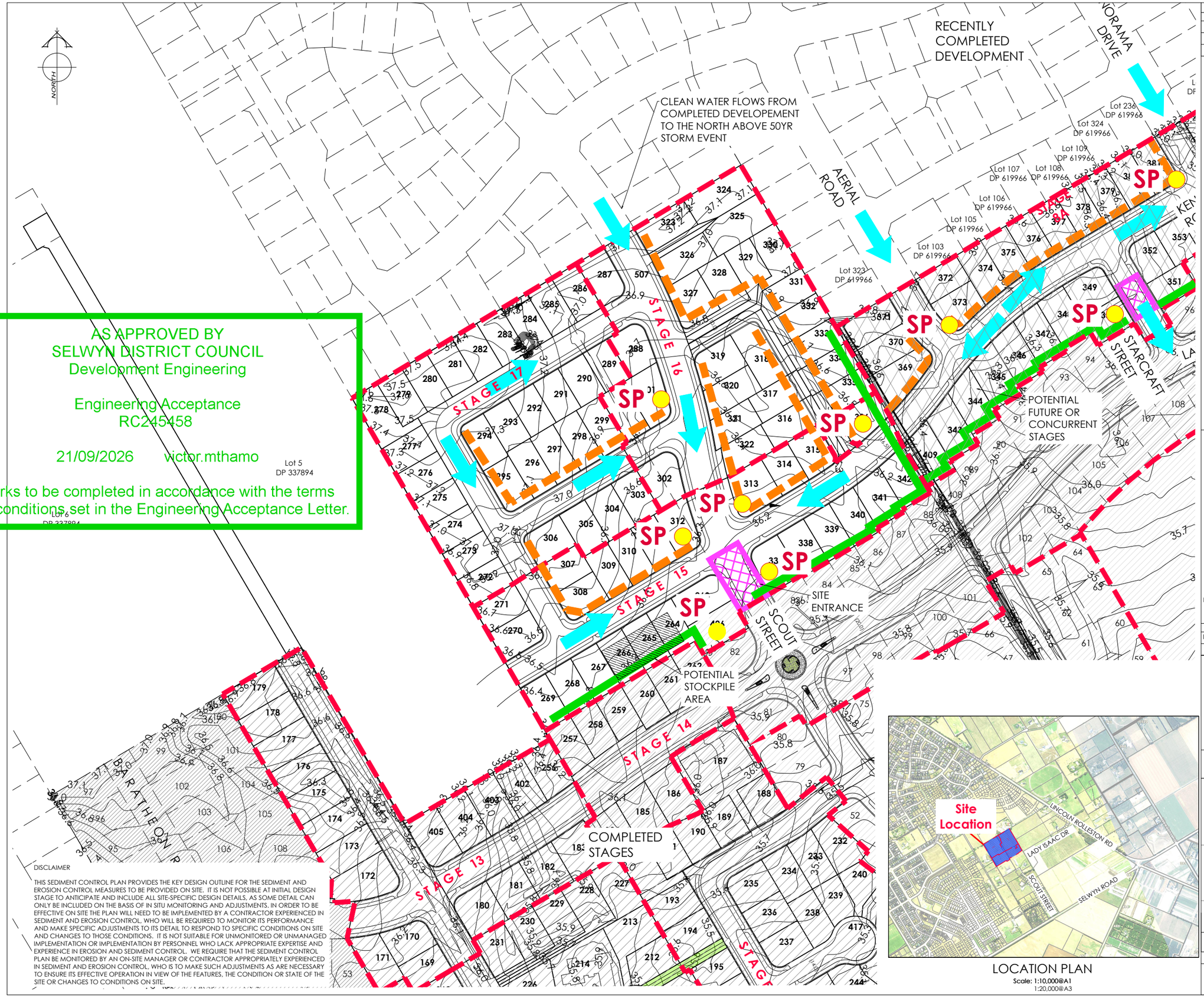
DRAWING STATUS

For Engineering Approval

SCALE : As Shown DATE : August 2026

CAD FILE : J:\21492\Eng\Drawings\E21492_E04.2_R0 STGs 15, 16 & 17.dwg DRAWN : GC

DRAWING No : **E.21492** SHEET No: **E04.5** REVISION : **R0**



AS APPROVED BY
SELWYN DISTRICT COUNCIL
Development Engineering

Engineering Acceptance
RC245458

21/09/2026 victor.mthamo

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DISCLAIMER

THIS SEDIMENT CONTROL PLAN PROVIDES THE KEY DESIGN OUTLINE FOR THE SEDIMENT AND EROSION CONTROL MEASURES TO BE PROVIDED ON SITE. IT IS NOT POSSIBLE AT INITIAL DESIGN STAGE TO ANTICIPATE AND INCLUDE ALL SITE-SPECIFIC DESIGN DETAILS, AS SOME DETAIL CAN ONLY BE INCLUDED ON THE BASIS OF IN SITU MONITORING AND ADJUSTMENTS. IN ORDER TO BE EFFECTIVE ON SITE THE PLAN WILL NEED TO BE IMPLEMENTED BY A CONTRACTOR EXPERIENCED IN SEDIMENT AND EROSION CONTROL, WHO WILL BE REQUIRED TO MONITOR ITS PERFORMANCE AND MAKE SPECIFIC ADJUSTMENTS TO ITS DETAIL TO RESPOND TO SPECIFIC CONDITIONS ON SITE AND CHANGES TO THOSE CONDITIONS. IT IS NOT SUITABLE FOR UNMONITORED OR UNMANAGED IMPLEMENTATION OR IMPLEMENTATION BY PERSONNEL WHO LACK APPROPRIATE EXPERTISE AND EXPERIENCE IN EROSION AND SEDIMENT CONTROL. WE REQUIRE THAT THE SEDIMENT CONTROL PLAN BE MONITORED BY AN ON-SITE MANAGER OR CONTRACTOR APPROPRIATELY EXPERIENCED IN SEDIMENT AND EROSION CONTROL, WHO IS TO MAKE SUCH ADJUSTMENTS AS ARE NECESSARY TO ENSURE ITS EFFECTIVE OPERATION IN VIEW OF THE FEATURES, THE CONDITION OR STATE OF THE SITE OR CHANGES TO CONDITIONS ON SITE.

LOCATION PLAN
Scale: 1:10,000@A1
1:20,000@A3

AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION

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. 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.
6. CONTOUR INTERVAL: 0.1m MINOR. 1.0m MAJOR.
7. ORIGIN OF LEVELS
   LEVELS ARE IN TERMS OF LYTTELTON VERTICAL DATUM 1937
   ORIGIN MARK B882 (UG 32)
   RL 55.908m
   CHK EJ8W (CC 370 NO 2)
   RL 58.154m
8. CONTROL OF STORMWATER, SEDIMENT AND DUST ON SITE IS THE RESPONSIBILITY OF THE CONTRACTOR

LEGEND :

- FUTURE STAGES
- COMPLETED STAGES
- DIRECTION OF FLOW COMPLETED EARTHWORKS
- BUND
- CUT OFF DRAIN
- STAGE BOUNDARY
- SP TEMP SOAKPITS
- STABILISED BALLAST ENTRANCE

EXISTING SERVICES	PROPOSED SERVICES
KERB	KERB CUT DOWN

	NAME	SIGNED	DATE
DESIGNED BY	FERGUS MATLA		
CHECKED BY	BEN FOX		

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:

Broadfield Grange Stages 15, 16 & 17

SHEET TITLE:

ESCMP

DRAWING STATUS

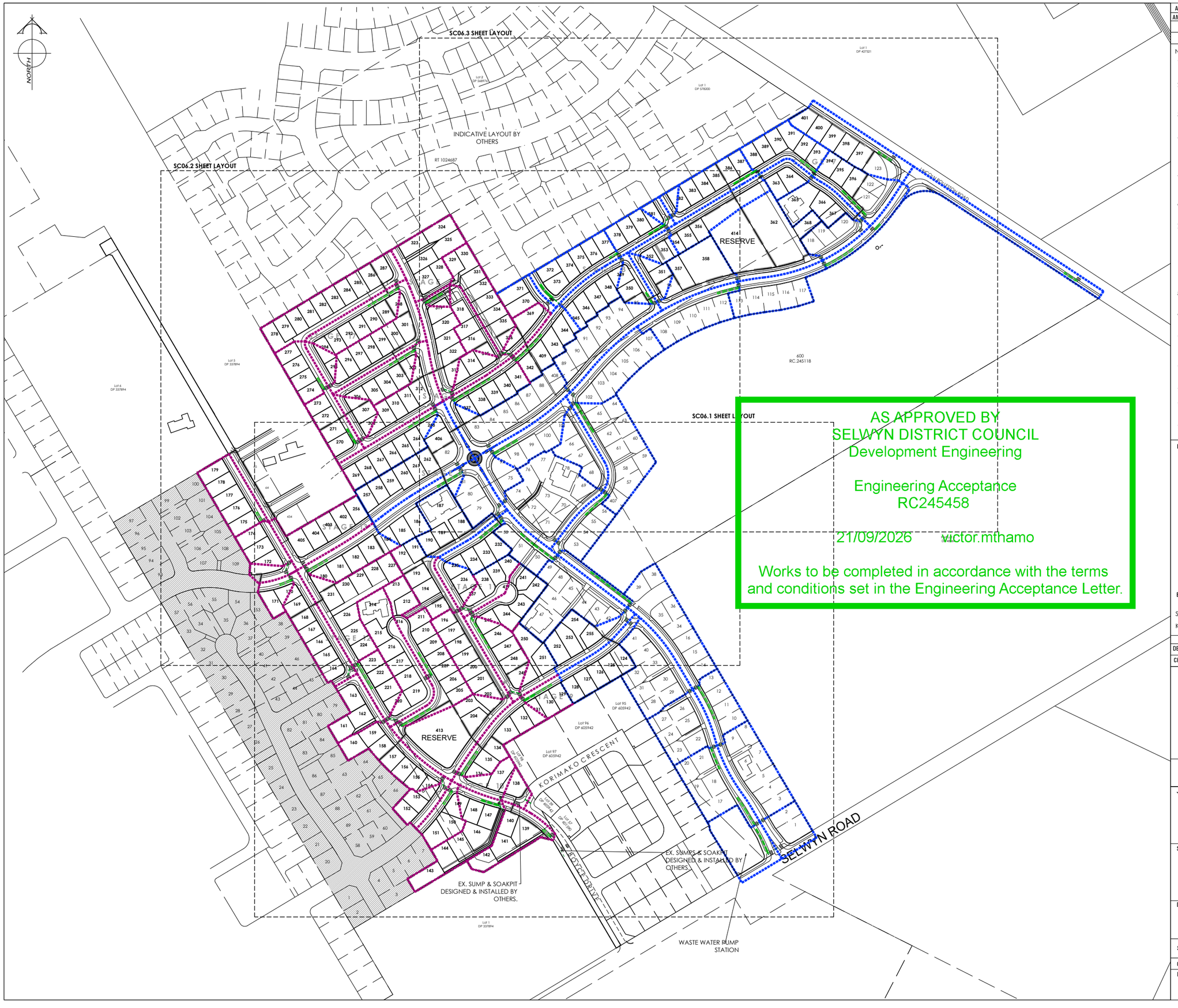
For Engineering Approval

SCALE : 1:2000@A1 1:4000@A3 DATE : August 2026

CAD FILE : J:\21492\Eng\Drawings\E21492 ESCMP_R0.dwg DRAWN : GC

DRAWING No : SHEET No: REVISION :

E.21492 ESCMP 1 **R0**



AMENDMENTS :

AMENDMENT	DATE	DESCRIPTION
R8	12/03/26	SOAKPIT NUMBERS & SIZES AMENDED
R9	07/08/26	UPDATED FOR STAGE 15, 16 & 17 APPROVAL

NOTES :

1. ALL WORKS IN ACCORDANCE WITH SDC COP AND CSS PARTS 1-7 CURRENT ISSUE WHERE NOT SPECIFIED.
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. ALL SERVICES TO BE FULLY SEARCHED AND PILOTED 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

   LEVELS ARE IN TERMS OF LYTTELTON VERTICAL DATUM 1937

   ORIGIN MARK B882 (UG 32)
   RL 55.908m
   CHK EJ8W (CC 370 NO 2)
   RL 58.154m
8. ALL 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. SEWER AND STORMWATER PIPE WORK TO HAVE SUFFICIENT COVER IN ACCORDANCE WITH CCC STANDARDS.
14. ALL SUMPS TO HAVE CYCLE GRATES.

LEGEND :

- STORMWATER SOAKPIT
- KEY SUMP
- EX. STORMWATER CATCHMENT
- STORMWATER CATCHMENT
- SW.1A 2032m² — STORMWATER CATCHMENT AREA
- STAGE BOUNDARY

EXISTING SERVICES	PROPOSED SERVICES
STORMWATER — MH —	STORMWATER — MH —
KERB	KERB — CUT DOWN

	NAME	SIGNED	DATE
DESIGNED BY	FERGUS MATLA		
CHECKED BY	BEN FOX		

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:
Urban Estates 22 Limited & Broadfield Grange Ltd
Broadfield Grange Stages 7 - 17

SHEET TITLE:
Overall Stormwater Catchment Plan

DRAWING STATUS
For Engineering Approval

SCALE : 1:2000@A1 1:4000@A3 DATE : August 2026

CAD FILE : J:\20666\Eng\Drawings\E20666_SW CATCHMENT PLAN STG'S 7-17_R9.dwg DRAWN : JS

DRAWING No : **E.20666** SHEET No: **SC06.0** REVISION : **R9**

AS APPROVED BY
SELWYN DISTRICT COUNCIL
Development Engineering

Engineering Acceptance
RC245458

21/09/2026 victor.mthamo

Works to be completed in accordance with the terms and conditions set in the Engineering Acceptance Letter.

NORTH

Lot 5
DP 337894

AMENDMENTS :		
AMENDMENT	DATE	DESCRIPTION
R8	12/03/26	SOAKPIT NUMBERS & SIZES AMENDED
R9	07/08/26	UPDATED FOR STAGE 15, 16 & 17 APPROVAL

NOTES :

1. ALL WORKS IN ACCORDANCE WITH SDC COP AND CSS PARTS 1-7 CURRENT ISSUE WHERE NOT SPECIFIED.
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. ALL SERVICES TO BE FULLY SEARCHED AND PILOTED 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

   LEVELS ARE IN TERMS OF LYTTELTON VERTICAL DATUM 1937

   ORIGIN MARK B882 (UG 32)
   RL 55.908m
   CHK EJ8W (CC 370 NO 2)
   RL 58.154m
8. ALL 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. SEWER AND STORMWATER PIPE WORK TO HAVE SUFFICIENT COVER IN ACCORDANCE WITH CCC STANDARDS.
14. ALL SUMPS TO HAVE CYCLE GRATES.

LEGEND :

- STORMWATER SOAKPIT
- KEY SUMP
- EX. STORMWATER CATCHMENT
- STORMWATER CATCHMENT
- SW.1A 2032m² — STORMWATER CATCHMENT AREA
- STAGE BOUNDARY

EXISTING SERVICES	PROPOSED SERVICES
STORMWATER MH	STORMWATER MH
KERB	KERB CUT DOWN

	NAME	SIGNED	DATE
DESIGNED BY	FEGRUS MATLA		
CHECKED BY	BEN FOX		

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:
Urban Estates 22 Limited & Broadfield Grange Ltd
Broadfield Grange Stages 7 - 17

SHEET TITLE:
Stormwater Catchment Plan

DRAWING STATUS
For Engineering Approval

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

CAD FILE : J:\20666\Eng\Drawings\E20666_SW CATCHMENT PLAN STG's 7-17_R9.dwg Drawn: JS

DRAWING No : **E.20666** SHEET No: **SC06.2** REVISION : **R9**