



Project Number: 17225
Project Office: Whangarei
Project Manager: Sarah Duncan

Drawings for Engineering Approval

Residential Subdivision

at Waianga Place

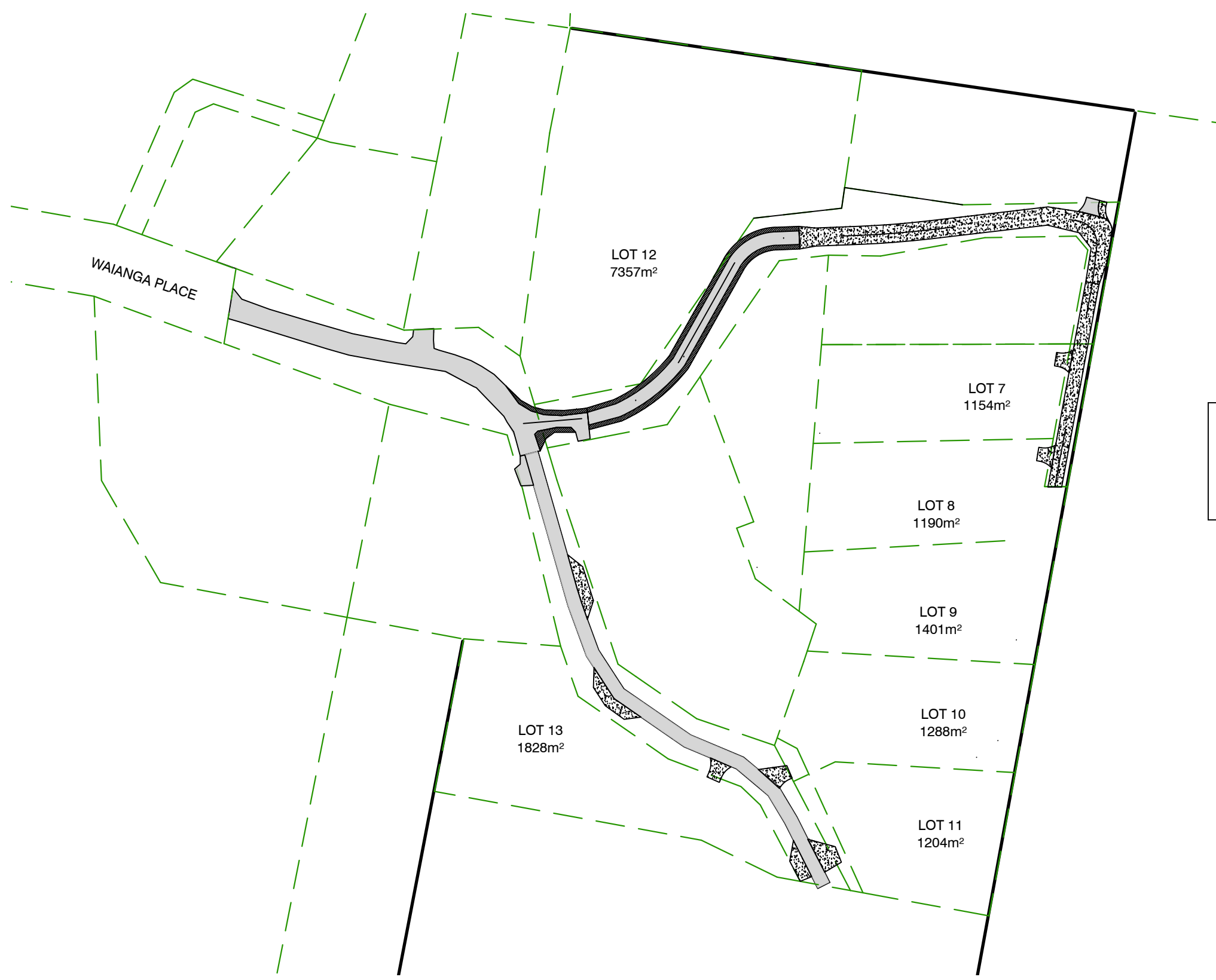
Omapere

APPROVED PLAN

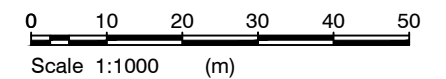
Engineer: BHedger
RC: 2200170-RMASUB Cert 1797
Date: 27/07/2020

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4	Site Plan ROW 2	2020-05-17	Engineering Approval	1
5	Stormwater Details	2020-05-17	Engineering Approval	1
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9	Vehicle Turning Circles	2020-05-17	Engineering Approval	1
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Note: Drawings 9 and 10 added for Revision 1 set.



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CLIENT
Dan Cleary

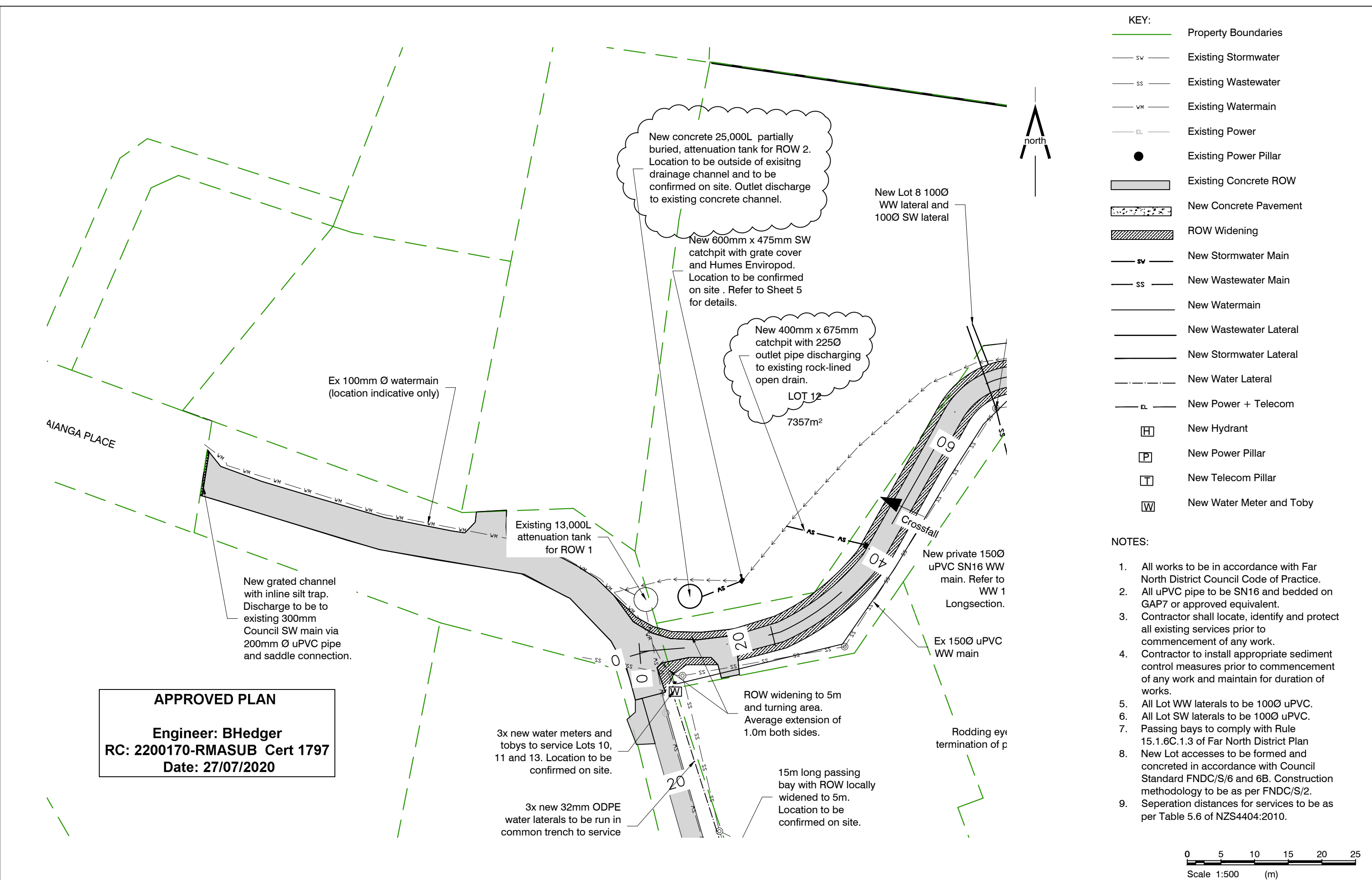
PROJECT
7 Lot Residential Subdivision
LOT 7 DP 525890
Waianga Place

DRAWING TITLE
Site Plan



DESIGN:	SD
DRAWN:	SD
DATE:	20.02.20
CHECKED:	HD
SCALE A3:	1:1000

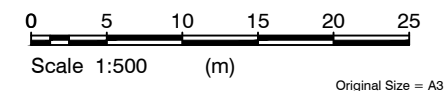
PROJECT STATUS:	
Engineering Approval	
PROJECT:	17225
SHEET:	1 of 10
DRAWING No:	17225
REV:	1



- KEY:**
- Property Boundaries
 - SW — Existing Stormwater
 - SS — Existing Wastewater
 - WM — Existing Watermain
 - EL — Existing Power
 - Existing Power Pillar
 - Existing Concrete ROW
 - New Concrete Pavement
 - ROW Widening
 - SW — New Stormwater Main
 - SS — New Wastewater Main
 - New Watermain
 - New Wastewater Lateral
 - New Stormwater Lateral
 - New Water Lateral
 - EL — New Power + Telecom
 - [H] New Hydrant
 - [P] New Power Pillar
 - [T] New Telecom Pillar
 - [W] New Water Meter and Toby

- NOTES:**
- All works to be in accordance with Far North District Council Code of Practice.
 - All uPVC pipe to be SN16 and bedded on GAP7 or approved equivalent.
 - Contractor shall locate, identify and protect all existing services prior to commencement of any work.
 - Contractor to install appropriate sediment control measures prior to commencement of any work and maintain for duration of works.
 - All Lot WW laterals to be 100Ø uPVC.
 - All Lot SW laterals to be 100Ø uPVC.
 - Passing bays to comply with Rule 15.1.6C.1.3 of Far North District Plan
 - New Lot accesses to be formed and concreted in accordance with Council Standard FNDC/S/6 and 6B. Construction methodology to be as per FNDC/S/2.
 - Separation distances for services to be as per Table 5.6 of NZS4404:2010.

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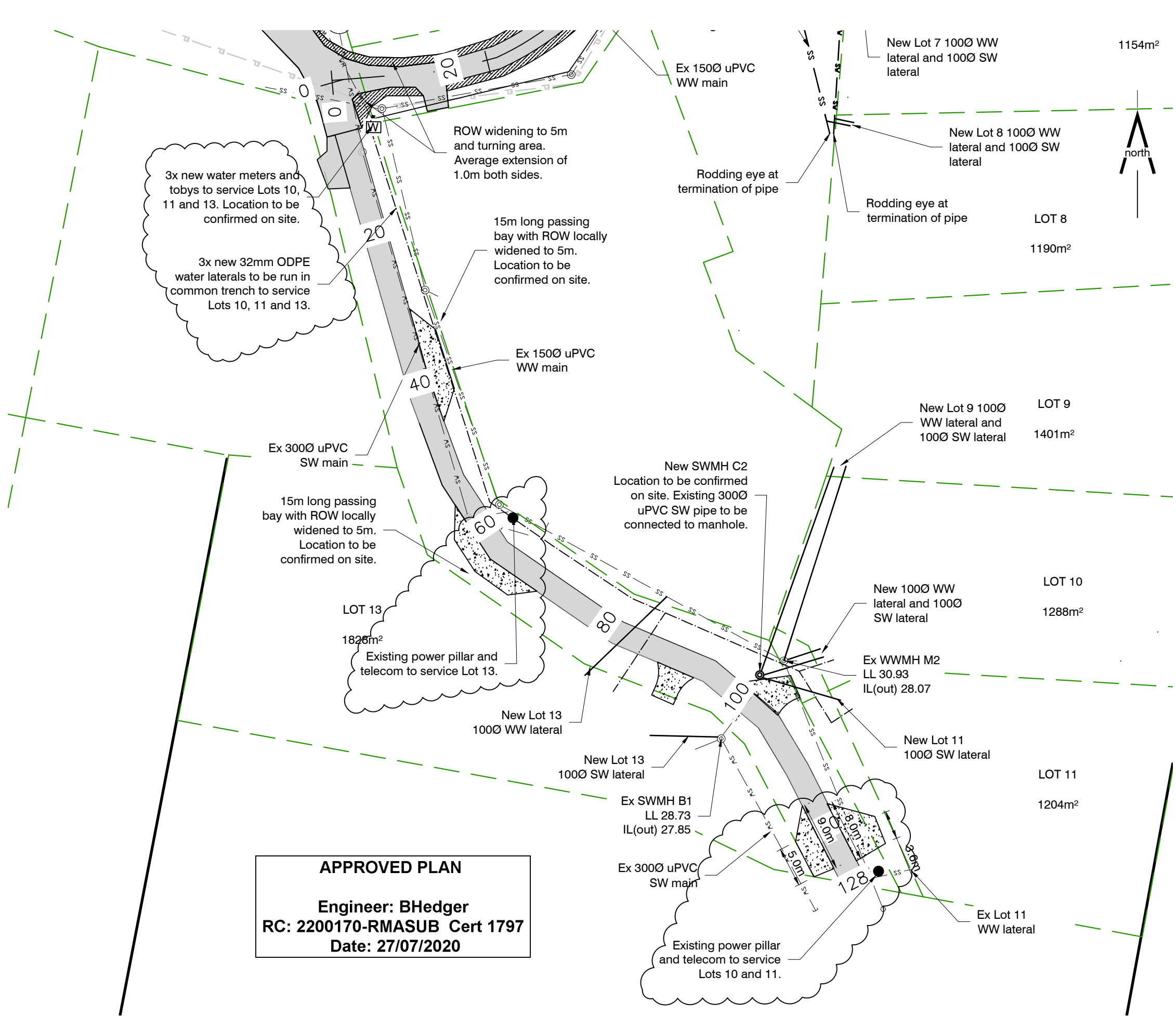
CLIENT Dan Cleary	PROJECT 7 Lot Residential Subdivision LOT 7 DP 525890 Waianga Place
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DRAWING TITLE Site Plan Entrance

DESIGN: SD	PROJECT STATUS: Engineering Approval
DRAWN: SD	PROJECT: 17225
DATE: 20.02.20	SHEET: 2 of 10
CHECKED: HD	DRAWING NO.: 17225
SCALE AS: 1:500	REV: 1



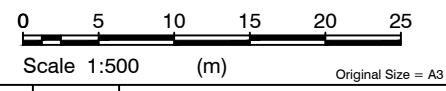
1 Updated for construction	SD	20.05.17
0 Issued for Engineering Approval	SD	20.02.20
No.	REVISION	BY DATE



- KEY:**
- Property Boundaries
 - Existing Stormwater
 - Existing Wastewater
 - Existing Watermain
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 - Existing Power Pillar
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 - New Wastewater Main
 - New Watermain
 - New Wastewater Lateral
 - New Stormwater Lateral
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 - H New Hydrant
 - P New Power Pillar
 - T New Telecom Pillar
 - W New Water Meter and Toby

- NOTES:**
1. All works to be in accordance with Far North District Council Code of Practice.
 2. All uPVC pipe to be SN16 and bedded on GAP7 or approved equivalent.
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 4. Contractor to install appropriate sediment control measures prior to commencement of any work and maintain for duration of works.
 5. All Lot WW laterals to be 1000 uPVC.
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 7. Passing bays to comply with Rule 15.1.6C.1.3 of Far North District Plan
 8. New Lot accesses to be formed and concreted in accordance with Council Standard FNDC/S/6 and 6B. Construction methodology to be as per FNDC/S/2.
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DRAWING TITLE Site Plan ROW 1

DESIGN: SD	PROJECT STATUS: Engineering Approval
DRAWN: SD	PROJECT: 17225
DATE: 20.02.20	SHEET: 3 of 10
CHECKED: HD	DRAWING No: 17225
REVISION	REV: 1

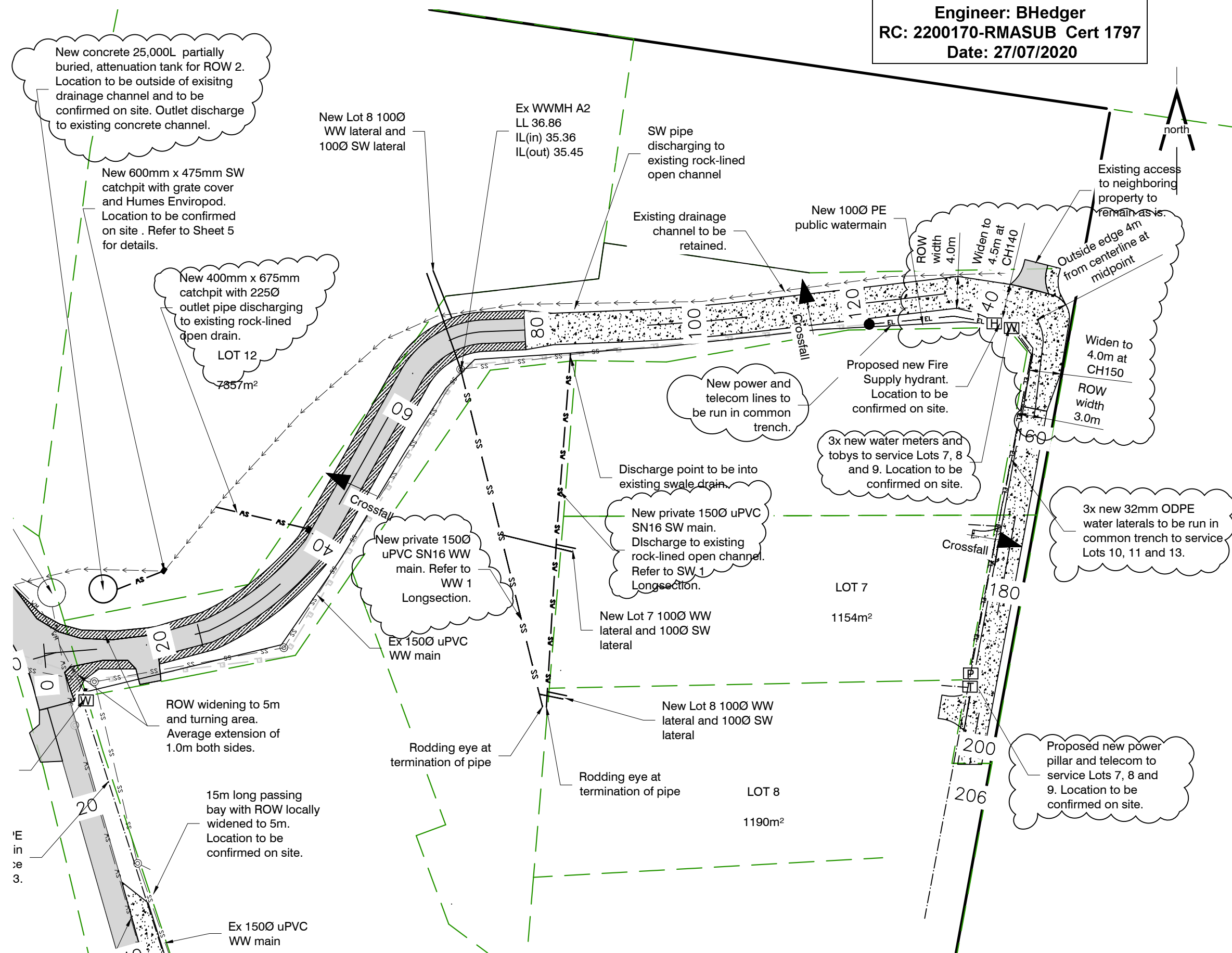


1 Updated for construction	SD	20.05.17
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No.	REVISION	DATE

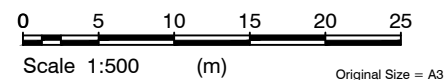
APPROVED PLAN

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RC: 2200170-RMASUB Cert 1797
Date: 27/07/2020

- KEY:**
- Property Boundaries
 - Existing Stormwater
 - Existing Wastewater
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 - Existing Concrete ROW
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 - New Wastewater Main
 - New Watermain
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 - New Stormwater Lateral
 - New Water Lateral
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- NOTES:**
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 - Separation distances for services to be as per Table 5.6 of NZS4404:2010.



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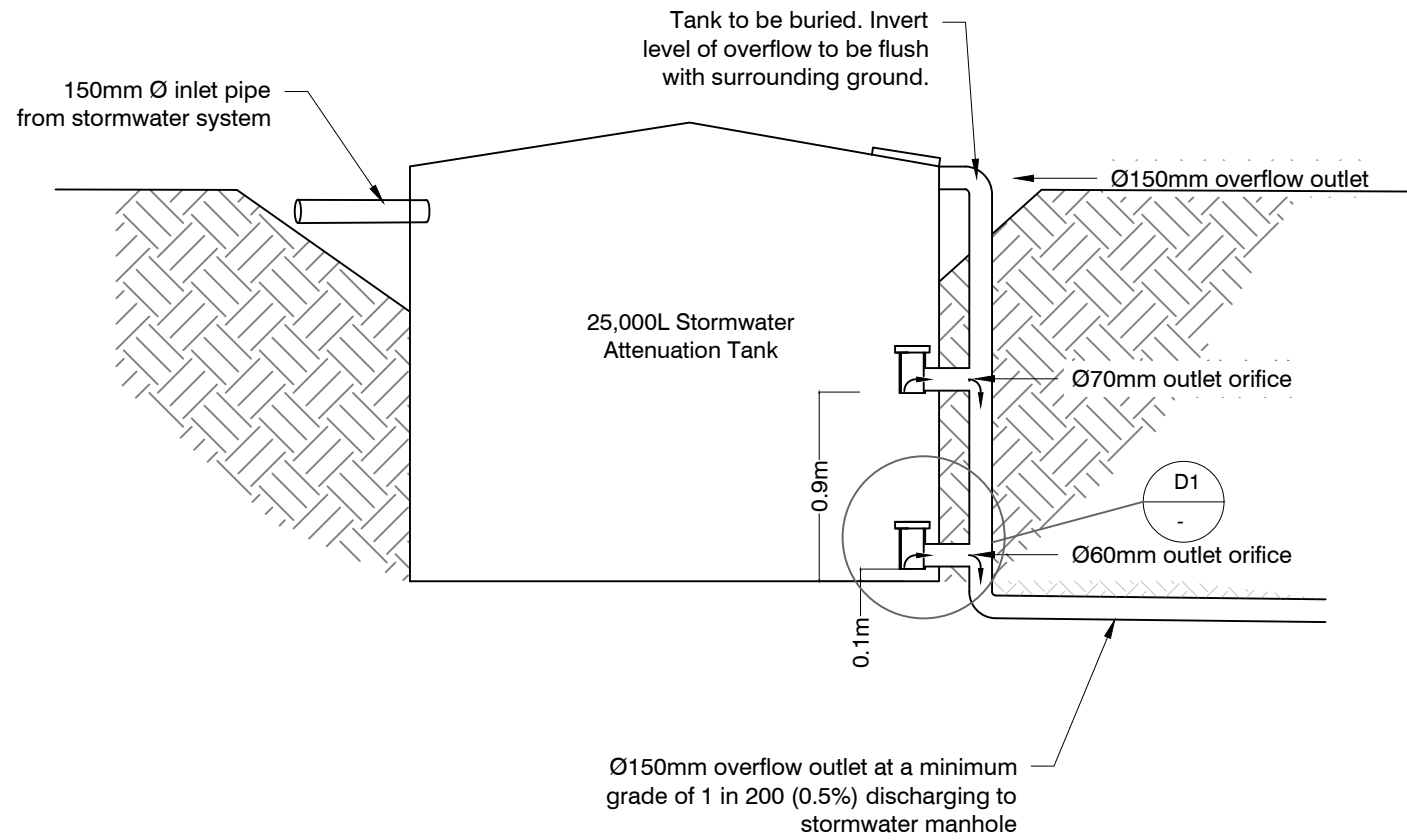
PROJECT
 7 Lot Residential Subdivision
 LOT 7 DP 525890
 Waianga Place

DRAWING TITLE
 Site Plan
 ROW 2

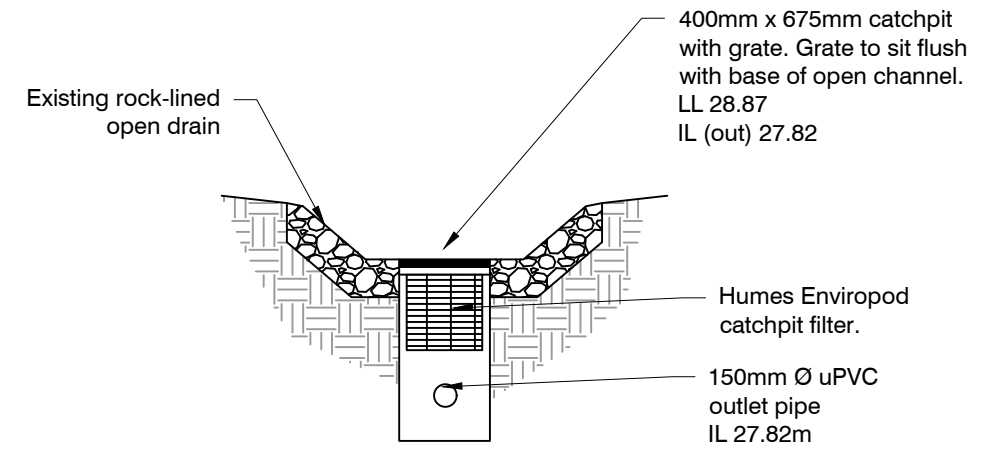


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DATE:	20.02.20
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PROJECT STATUS:	
Engineering Approval	
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REV:	1



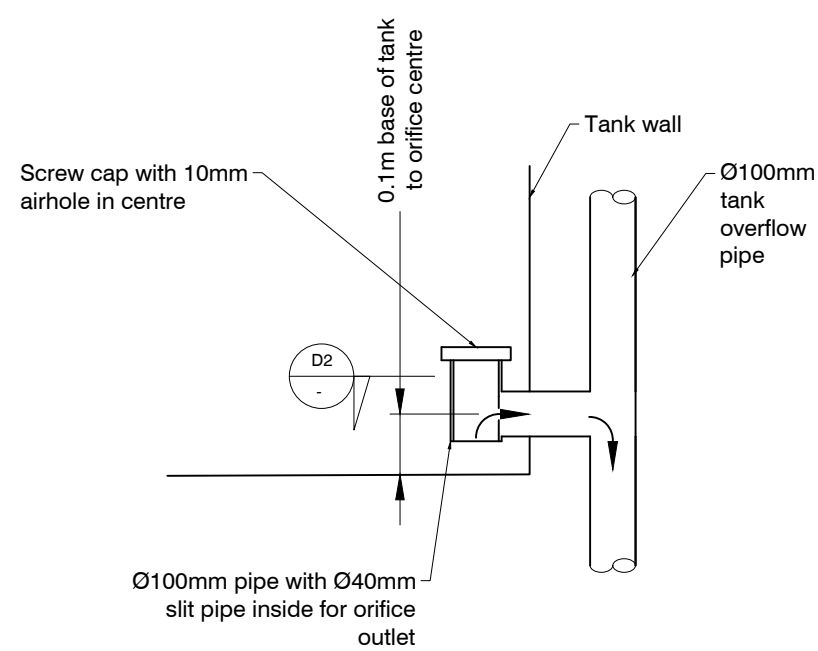
T1 ROW 2 Attenuation Tank
SCALE A3



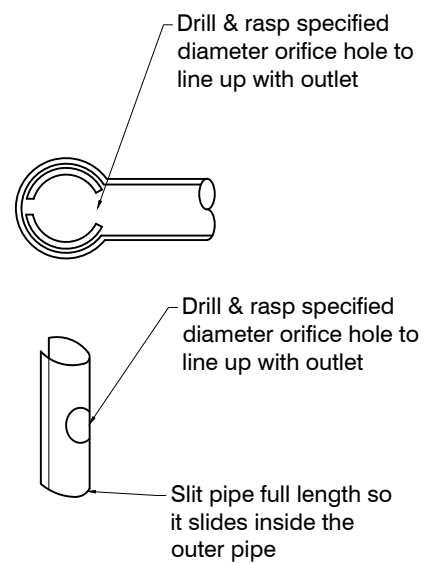
CP1 Open Drain Catchpit
SCALE A3

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D1 Tank Outlet
SCALE A3



D2 Orifice
SCALE A3

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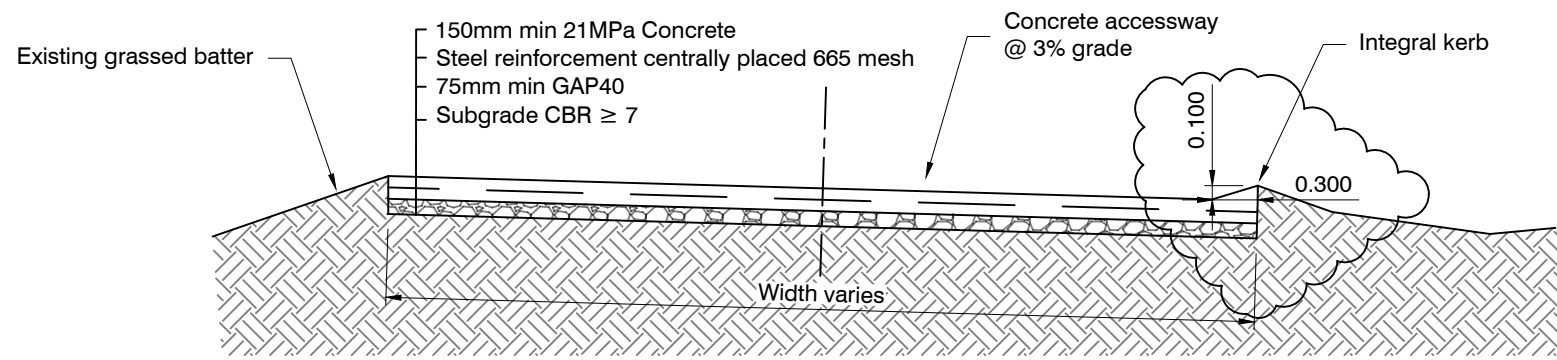
CLIENT	PROJECT
Dan Cleary	7 Lot Residential Subdivision LOT 7 DP 525890 Waianga Place

DRAWING TITLE
Stormwater Details

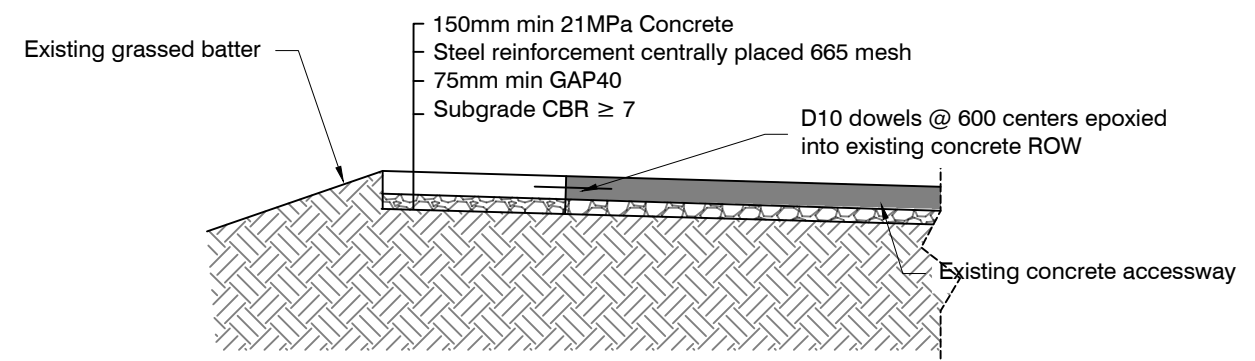


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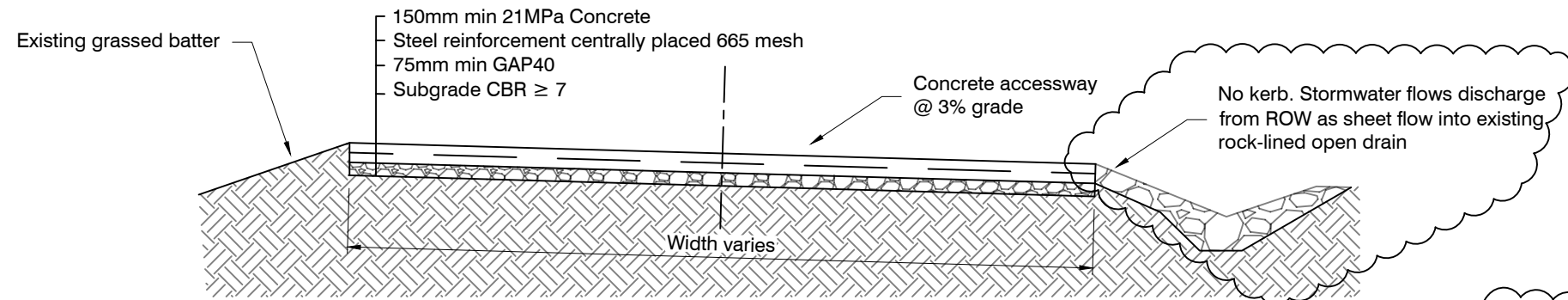
PROJECT STATUS:	Engineering Approval
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R1 Concrete ROW Cross-Section Detail A
SCALE A3 1:50



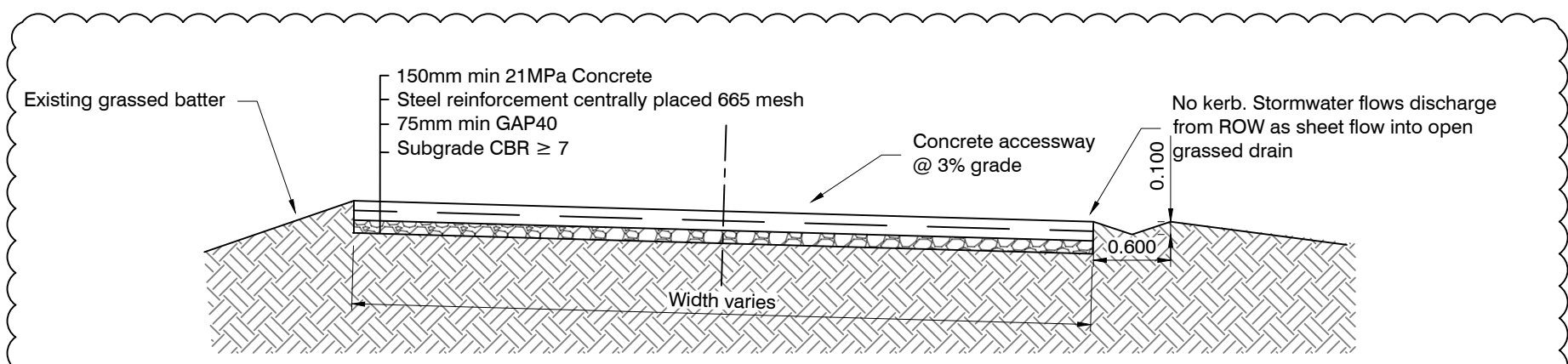
R3 ROW Widening Typical Cross-Section
SCALE A3 1:50



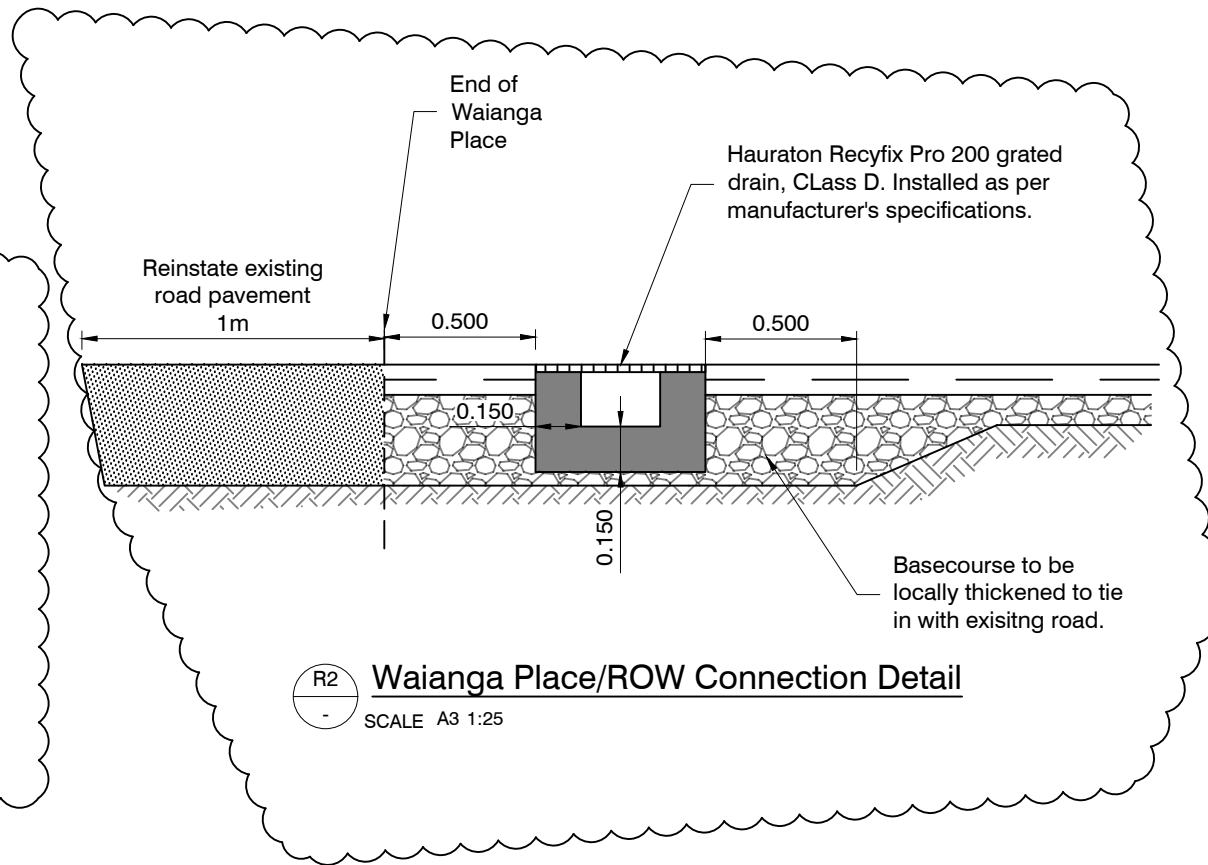
R2 Concrete ROW Cross-Section Detail B
SCALE A3 1:50

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Date: 27/07/2020



R2 Concrete ROW Cross-Section Detail C
SCALE A3 1:50



R2 Waianga Place/ROW Connection Detail
SCALE A3 1:25

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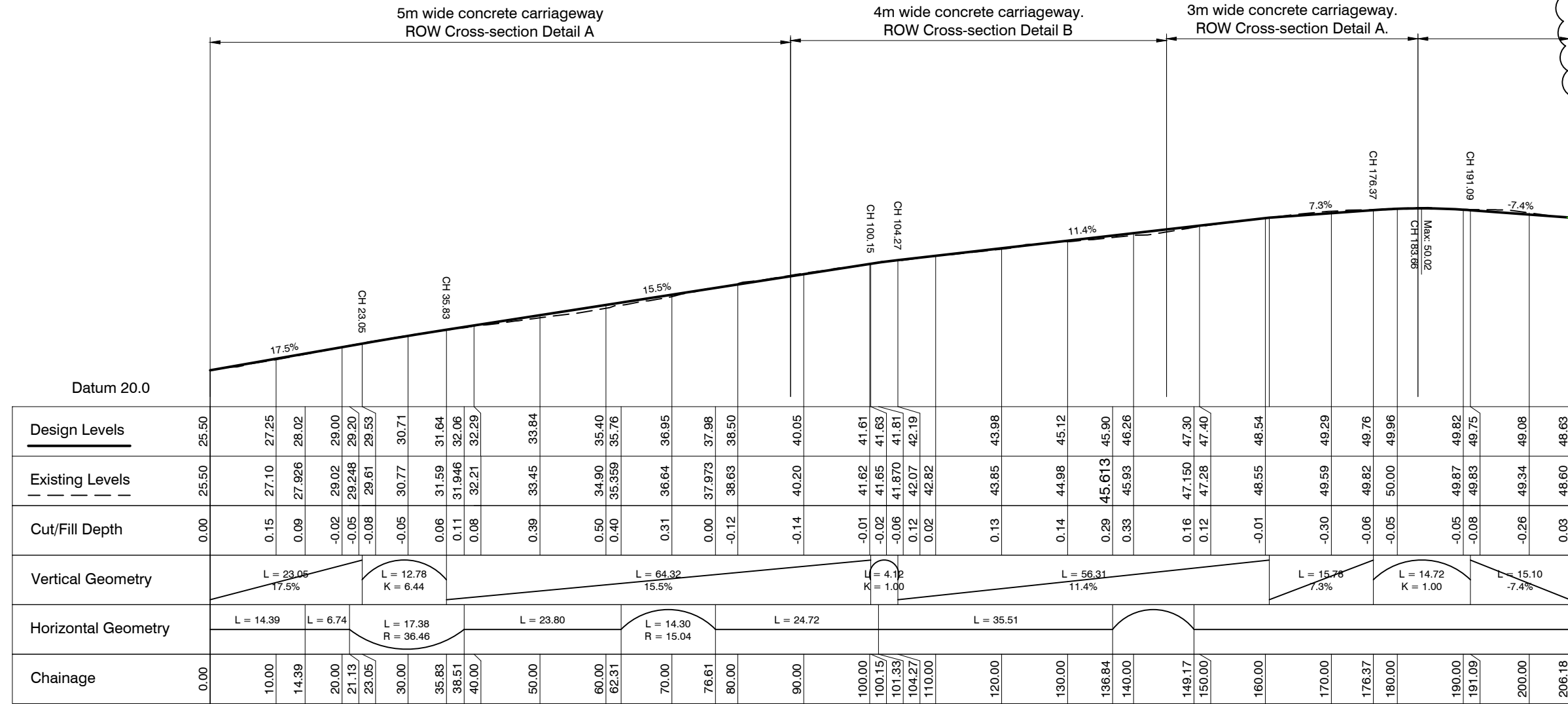
CLIENT Dan Cleary	PROJECT 7 Lot Residential Subdivision LOT 7 DP 525890 Waianga Place
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DRAWING TITLE Typical Details

DESIGN: SD	PROJECT STATUS: Engineering Approval
DRAWN: SD	PROJECT: 17225
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REVISION: 1 Updated for construction	REV: 1
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DESIGN: SD	PROJECT STATUS: Engineering Approval
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DRIVEWAY LONGSECTION

Scale: Horiz 1:750, Vert 1:750

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Dan Cleary

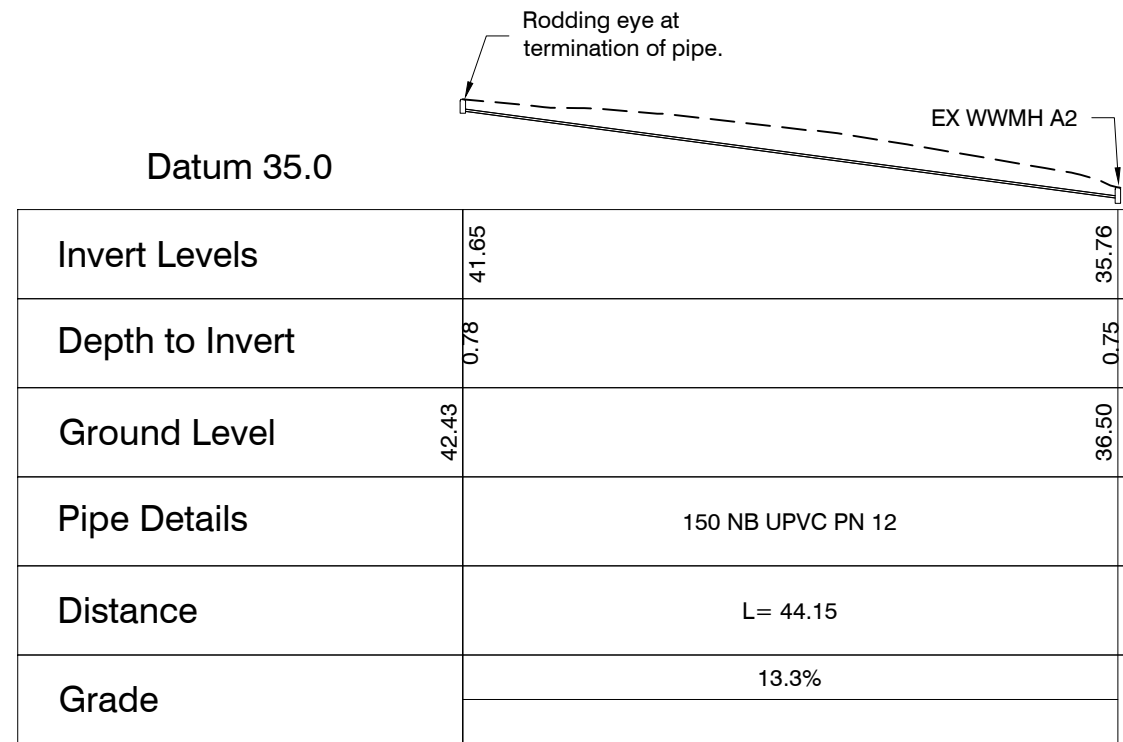
PROJECT
**7 Lot Residential Subdivision
 LOT 7 DP 525890
 Waianga Place**

DRAWING TITLE
Longsection ROW2



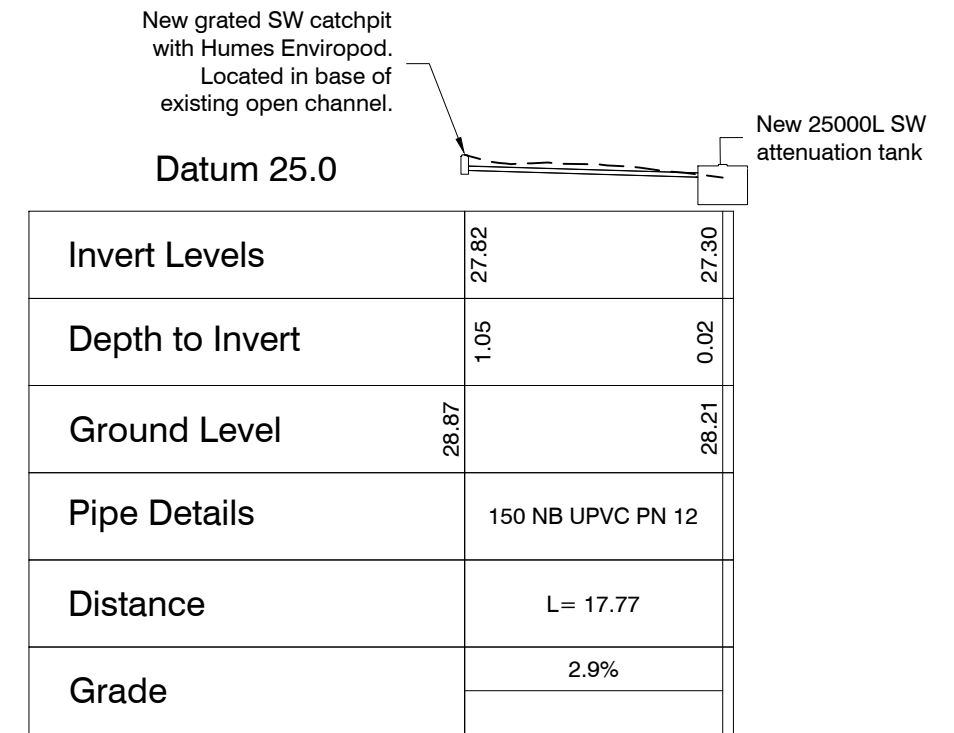
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DRAWN:	SD
DATE:	20.02.20
CHECKED:	HD
SCALE A3:	As Shown

PROJECT STATUS:	Engineering Approval	
PROJECT:	17225	SHEET: 7 of 10
DRAWING No:	17225	REV: 1



WW1 Wastewater Main Longsection

Scale: Horiz 1:500, Vert 1:500

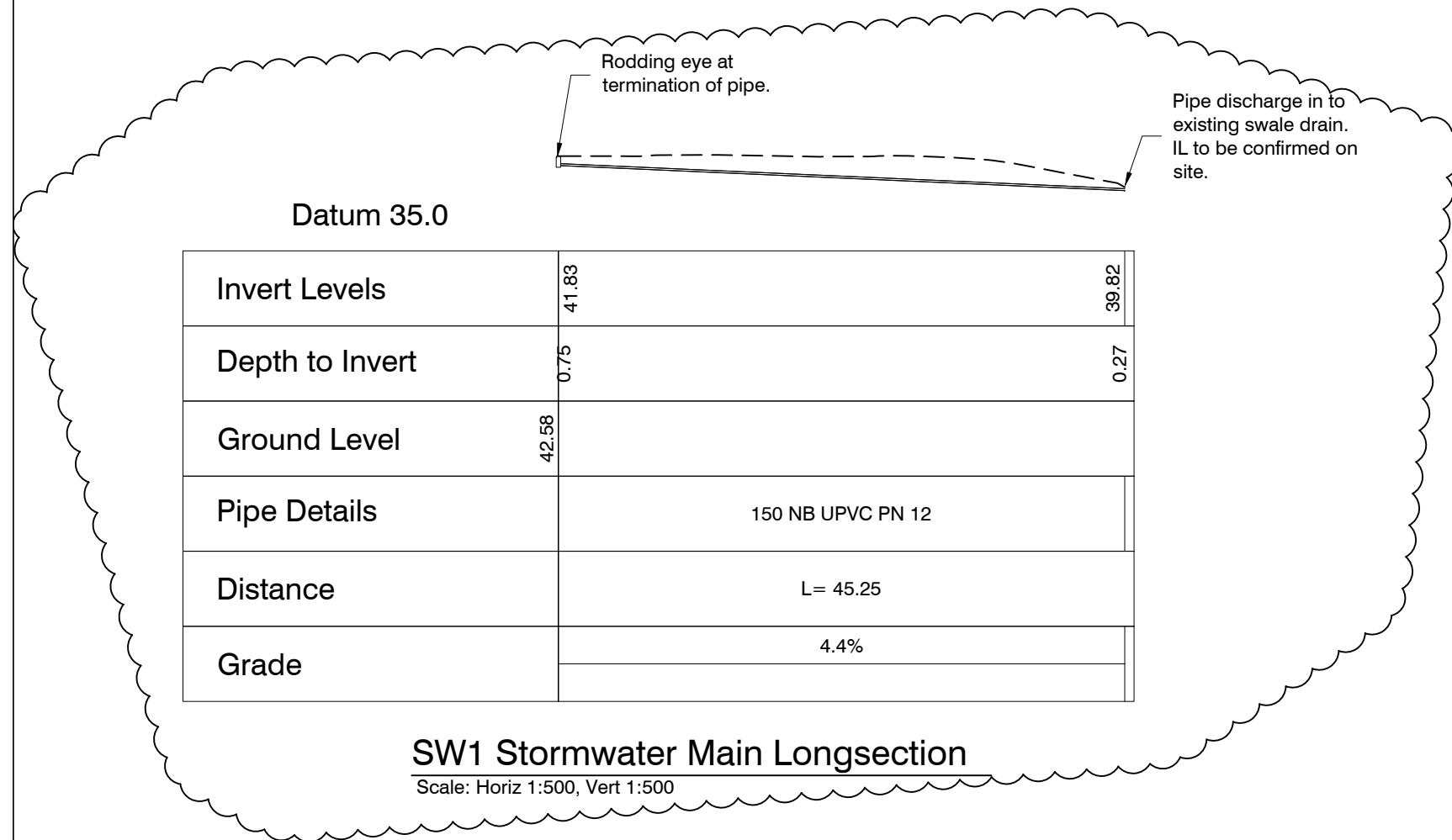


Attenuation Tank Longsection

Scale: Horiz 1:500, Vert 1:500

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Date: 27/07/2020

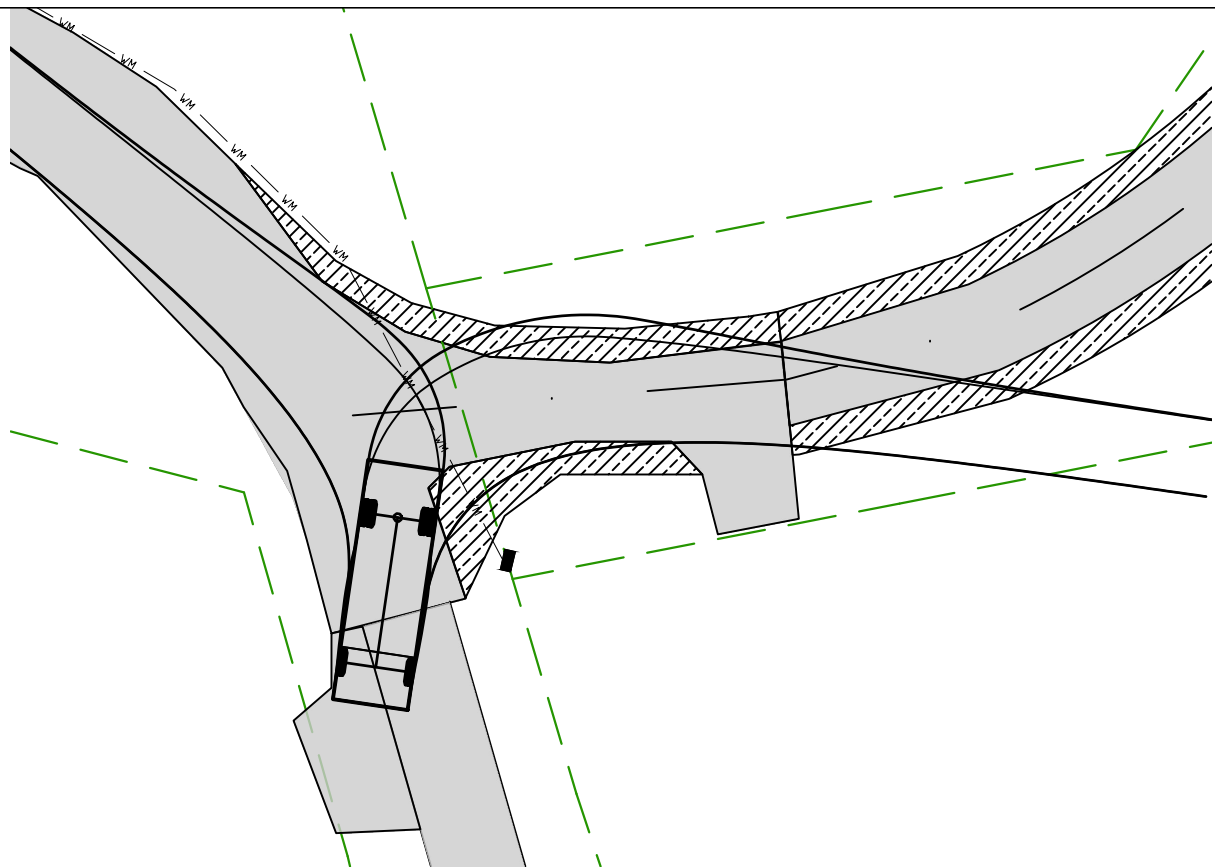


SW1 Stormwater Main Longsection

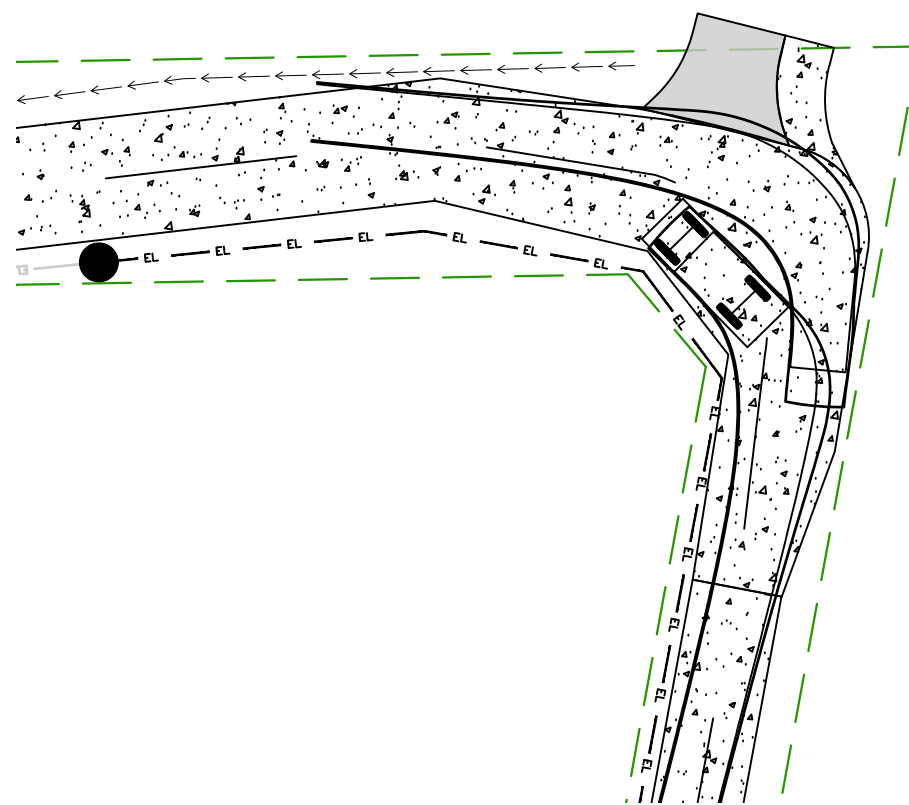
Scale: Horiz 1:500, Vert 1:500

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CLIENT Dan Cleary	PROJECT 7 Lot Residential Subdivision LOT 7 DP 525890 Waianga Place	DRAWING TITLE Pipe Longsections		DESIGN: SD	PROJECT STATUS: Engineering Approval
				DRAWN: SD	PROJECT: 17225 SHEET: 8 of 10
				DATE: 20.02.20	DRAWING No: 17225
				CHECKED: HD	REV: 1
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				1 Revised for construction SD 20.05.17 0 Issued for Engineering Approval SD 20.02.20 No. REVISION BY DATE	

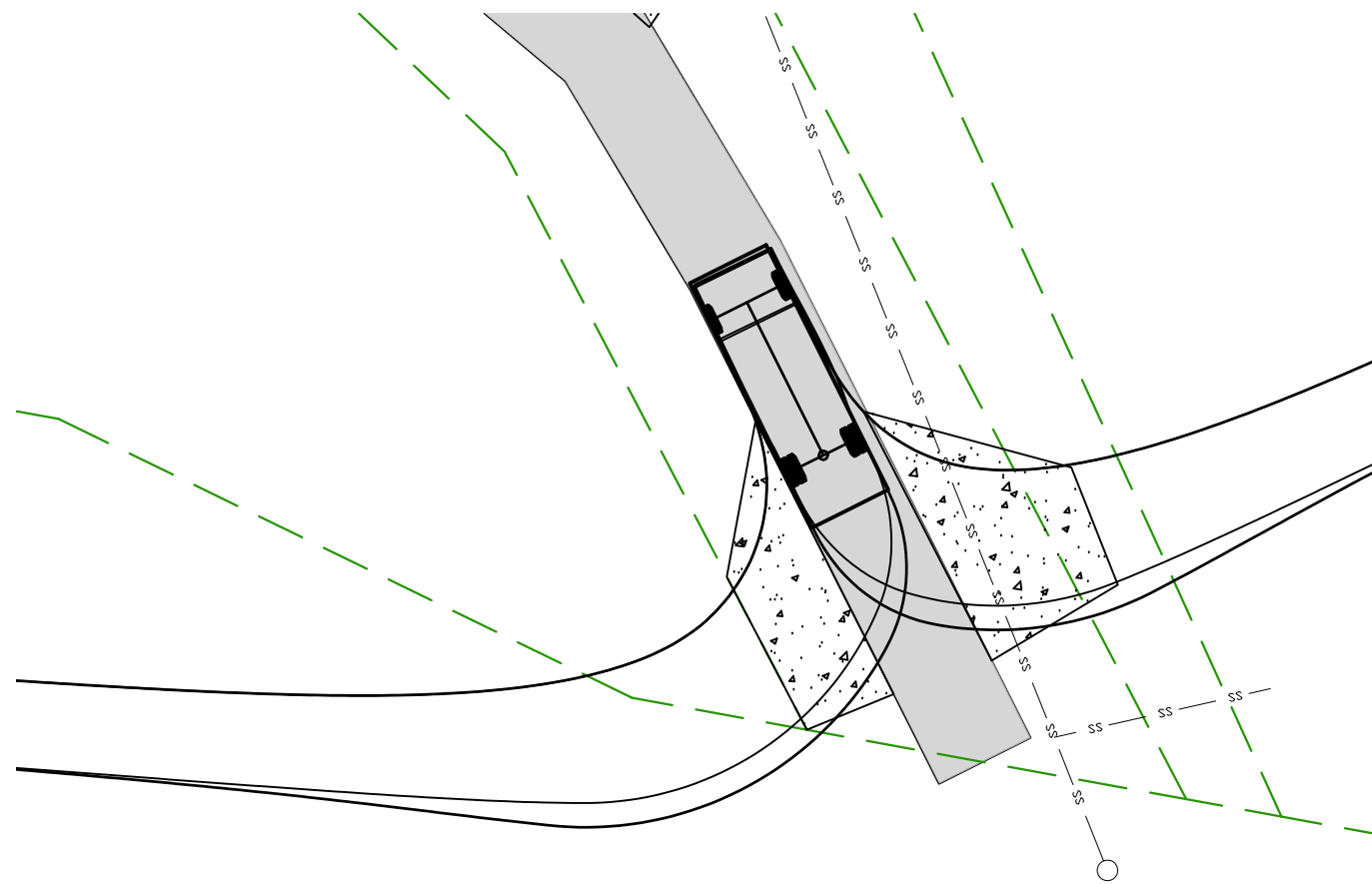


Easement C/D/E Turning - 8m Truck

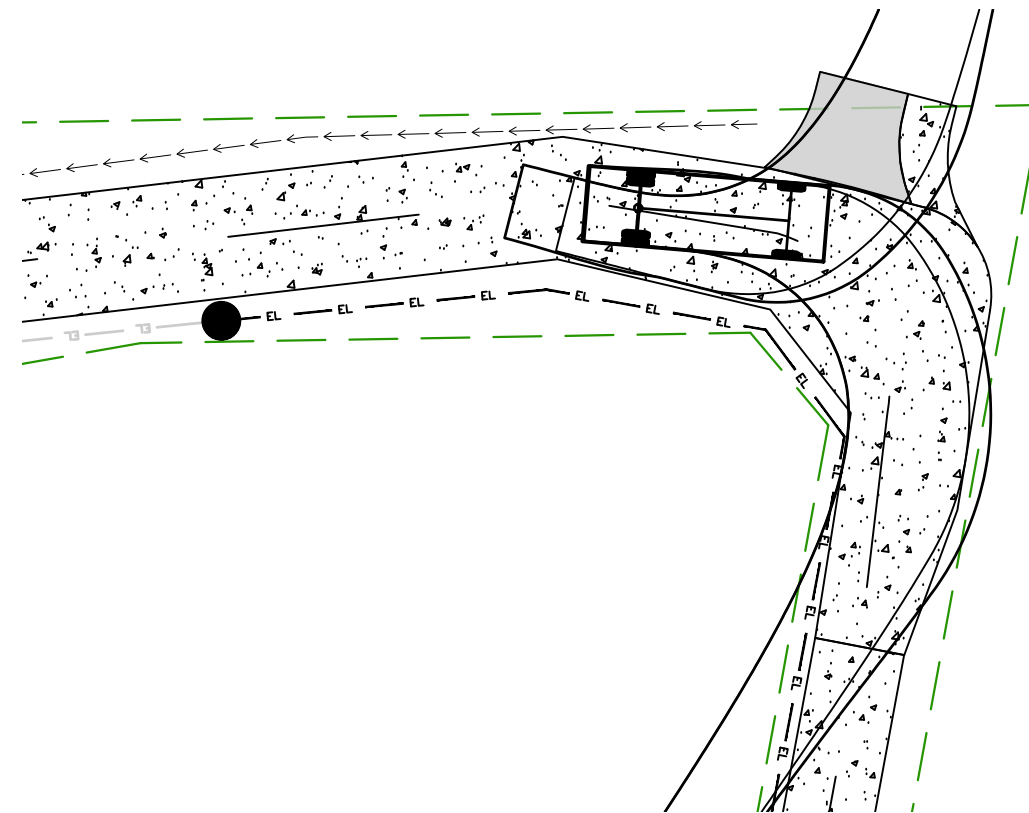


Easement K Turning - 99% Car

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Engineer: BHedger
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Date: 27/07/2020



Easement F Turning



Easement K Turning - 8m Truck

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Dan Cleary	7 Lot Residential Subdivision LOT 7 DP 525890 Waianga Place

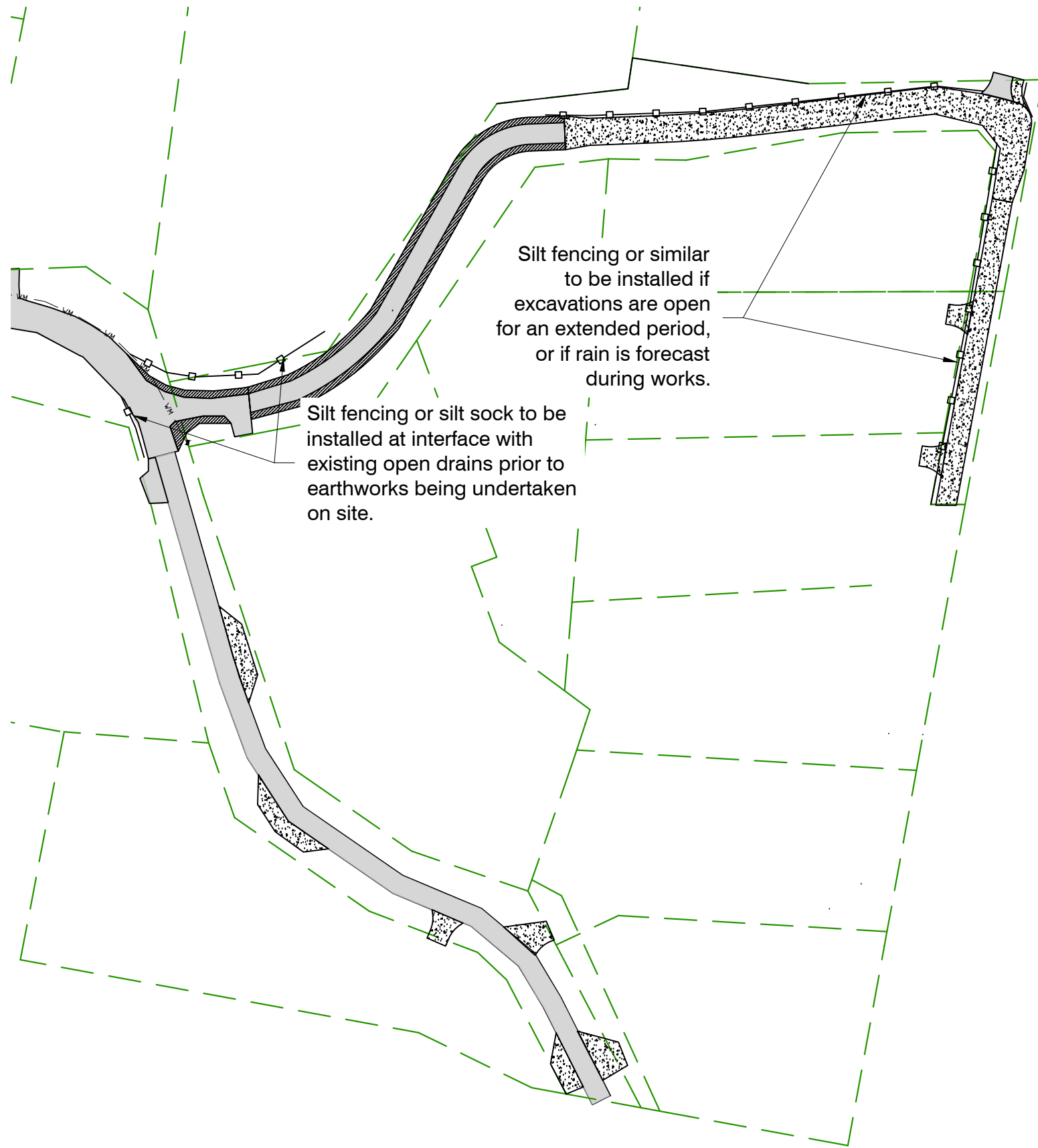
DRAWING TITLE
Vehicle Turning Circles

DESIGN:	SD
DRAWN:	SD
DATE:	20.02.20
CHECKED:	HD
SCALE A3:	As Shown



PROJECT STATUS:	Engineering Approval
PROJECT:	17225
SHEET:	9 of 10
DRAWING No:	17225
REV:	1

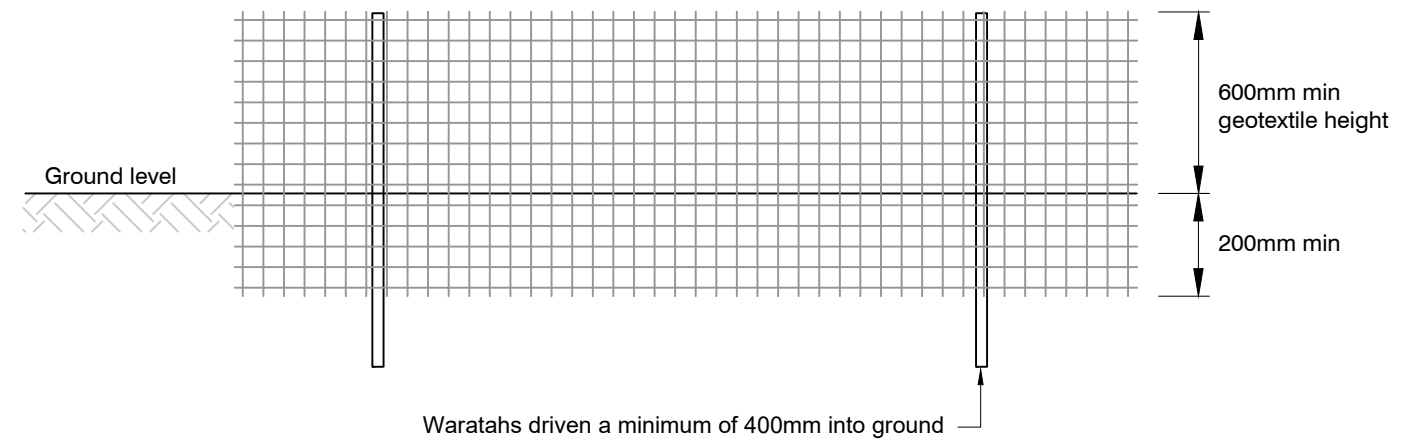
DESIGN:	SD
DRAWN:	SD
DATE:	20.02.20
CHECKED:	HD
SCALE A3:	As Shown



NOTES:

1. Open areas of earthworks shall be kept to a minimum and shall be stabilised as soon as possible.
2. Silt fencing to be installed at Easement C/D/E intersection as shown to stop sediment from entering the public drainage system.
2. Silt fencing or similar to be installed on ROW2 as shown if excavations are to be left open for an extended period of time, or if heavy rain is forecast during works.
3. Silt socks to be placed around catchpits.
4. All erosion and sediment control measures are to be in place prior to earthworks beginning on site and are to remain in place until the site has been fully stabilised.
5. All erosion and sediment control measures shall be inspected regularly and any evidence of failure shall be remedied.

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Standard Silt Fence
 Typical Cross Section
 SCALE A3 1:25

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DRAWING TITLE Erosion and Sediment Control Plan

DESIGN: SD	PROJECT STATUS: Engineering Approval
DRAWN: SD	PROJECT: 17225
DATE: 20.02.20	SHEET: 10 of 10
CHECKED: HD	DRAWING No: 17225
SCALE A3: As Shown	REV: 1



1	Revised for construction	SD	20.05.17
0	Issued for Engineering Approval	SD	20.02.20
No.	REVISION	BY	DATE

DESIGN: SD	PROJECT STATUS: Engineering Approval
DRAWN: SD	PROJECT: 17225
DATE: 20.02.20	SHEET: 10 of 10
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