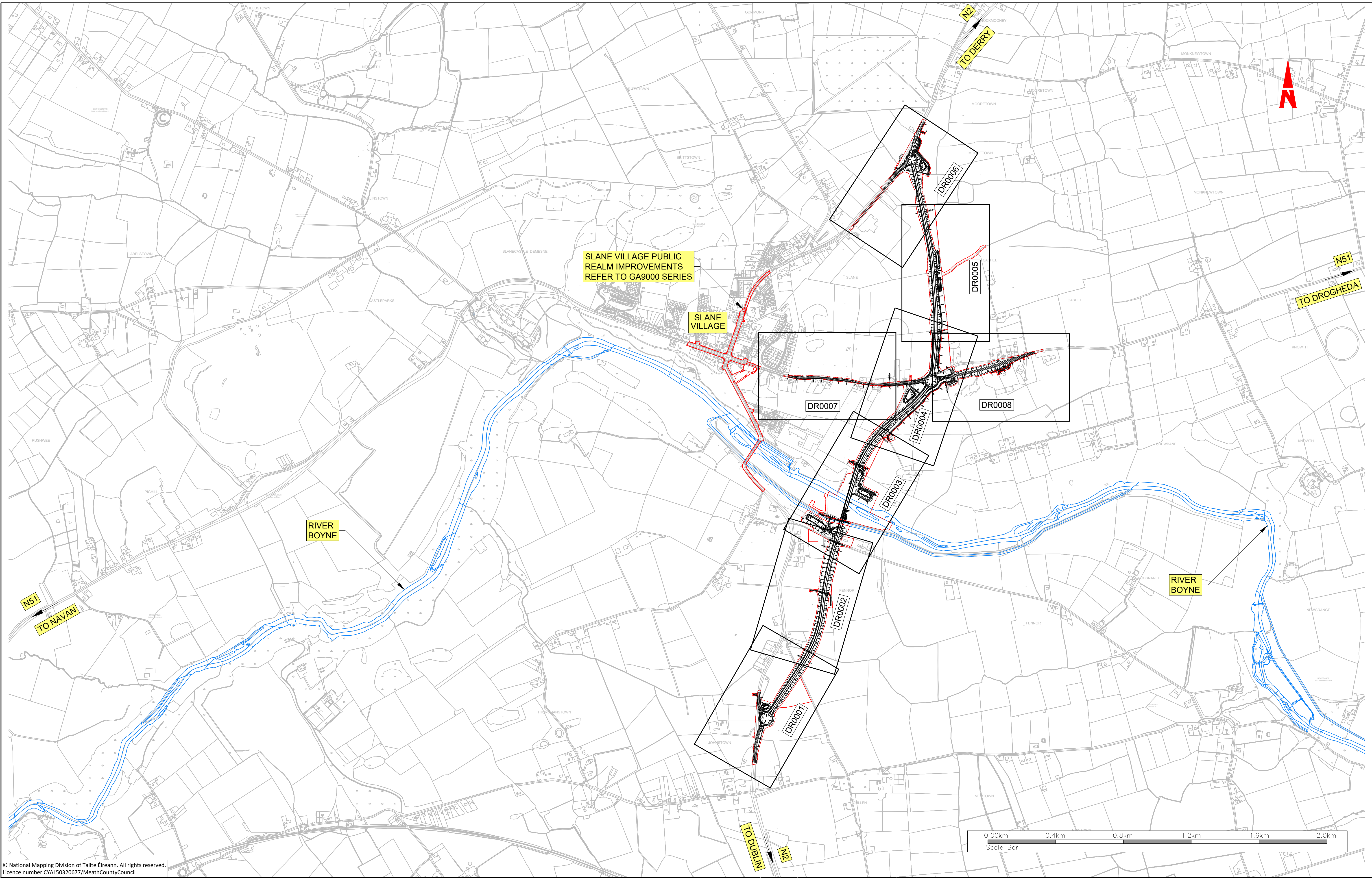

Drainage



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(v) All Levels refer to Ordnance Survey Datum, Malin Head.

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Sheets	00 of 08

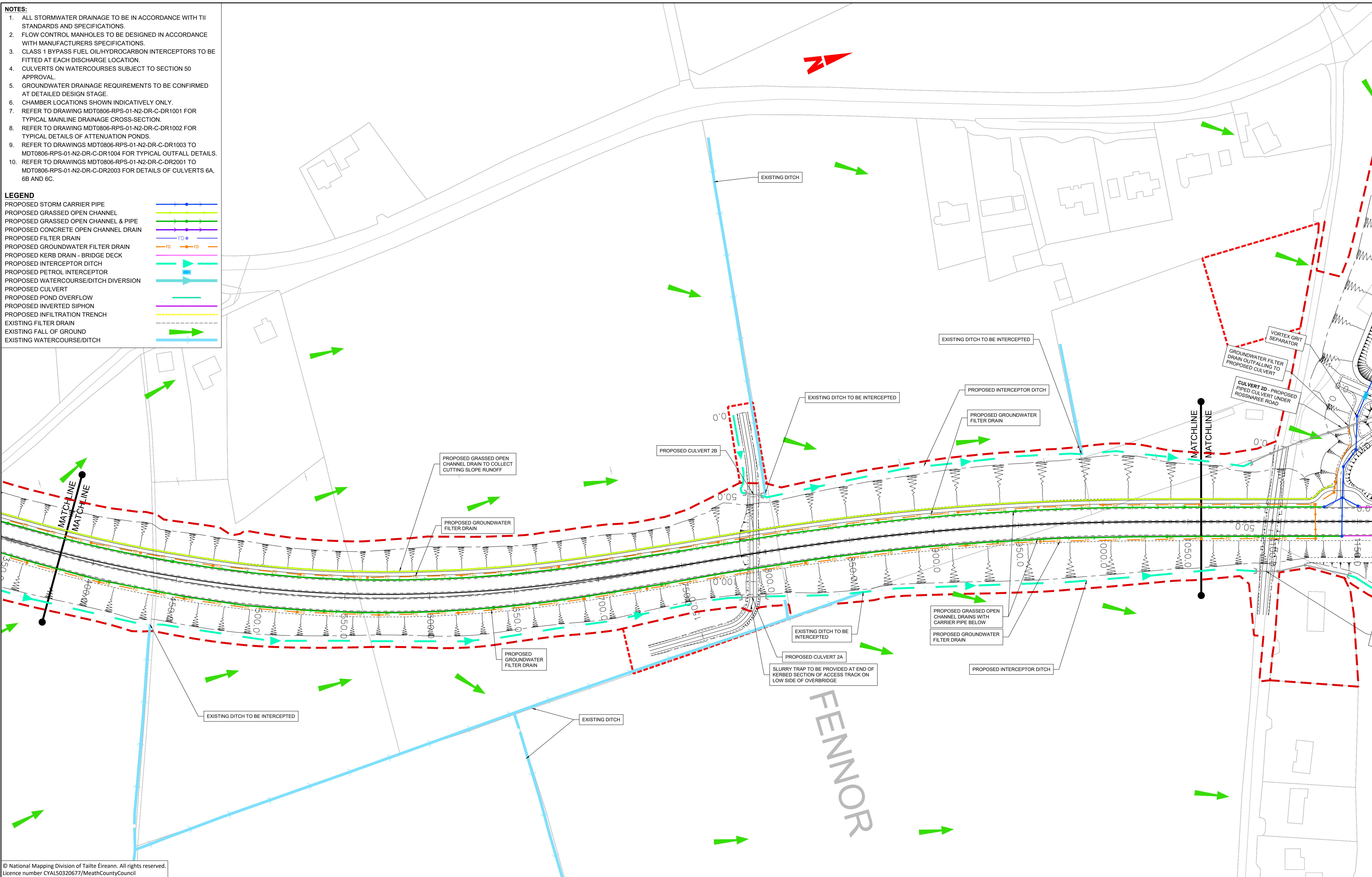
Project **N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME**

Title **PROPOSED DRAINAGE LAYOUT INDEX PLAN OF SHEETS**

Drawing Number	Status	Rev
DR0000	A1	C01

- NOTES:**
1. ALL STORMWATER DRAINAGE TO BE IN ACCORDANCE WITH TII STANDARDS AND SPECIFICATIONS.
 2. FLOW CONTROL MANHOLES TO BE DESIGNED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 3. CLASS 1 BYPASS FUEL OIL/HYDROCARBON INTERCEPTORS TO BE FITTED AT EACH DISCHARGE LOCATION.
 4. CULVERTS ON WATERCOURSES SUBJECT TO SECTION 50 APPROVAL.
 5. GROUNDWATER DRAINAGE REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 6. CHAMBER LOCATIONS SHOWN INDICATIVELY ONLY.
 7. REFER TO DRAWING MDT0806-RPS-01-N2-DR-C-DR1001 FOR TYPICAL MAINLINE DRAINAGE CROSS-SECTION.
 8. REFER TO DRAWING MDT0806-RPS-01-N2-DR-C-DR1002 FOR TYPICAL DETAILS OF ATTENUATION PONDS.
 9. REFER TO DRAWINGS MDT0806-RPS-01-N2-DR-C-DR1003 TO MDT0806-RPS-01-N2-DR-C-DR1004 FOR TYPICAL OUTFALL DETAILS.
 10. REFER TO DRAWINGS MDT0806-RPS-01-N2-DR-C-DR2001 TO MDT0806-RPS-01-N2-DR-C-DR2003 FOR DETAILS OF CULVERTS 6A, 6B AND 6C.

- LEGEND**
- PROPOSED STORM CARRIER PIPE
 - PROPOSED GRASSED OPEN CHANNEL
 - PROPOSED GRASSED OPEN CHANNEL & PIPE
 - PROPOSED CONCRETE OPEN CHANNEL DRAIN
 - PROPOSED FILTER DRAIN
 - PROPOSED GROUNDWATER FILTER DRAIN
 - PROPOSED KERB DRAIN - BRIDGE DECK
 - PROPOSED INTERCEPTOR DITCH
 - PROPOSED PETROL INTERCEPTOR
 - PROPOSED WATERCOURSE/DITCH DIVERSION
 - PROPOSED CULVERT
 - PROPOSED POND OVERFLOW
 - PROPOSED INVERTED SIPHON
 - PROPOSED INFILTRATION TRENCH
 - EXISTING FILTER DRAIN
 - EXISTING FALL OF GROUND
 - EXISTING WATERCOURSE/DITCH



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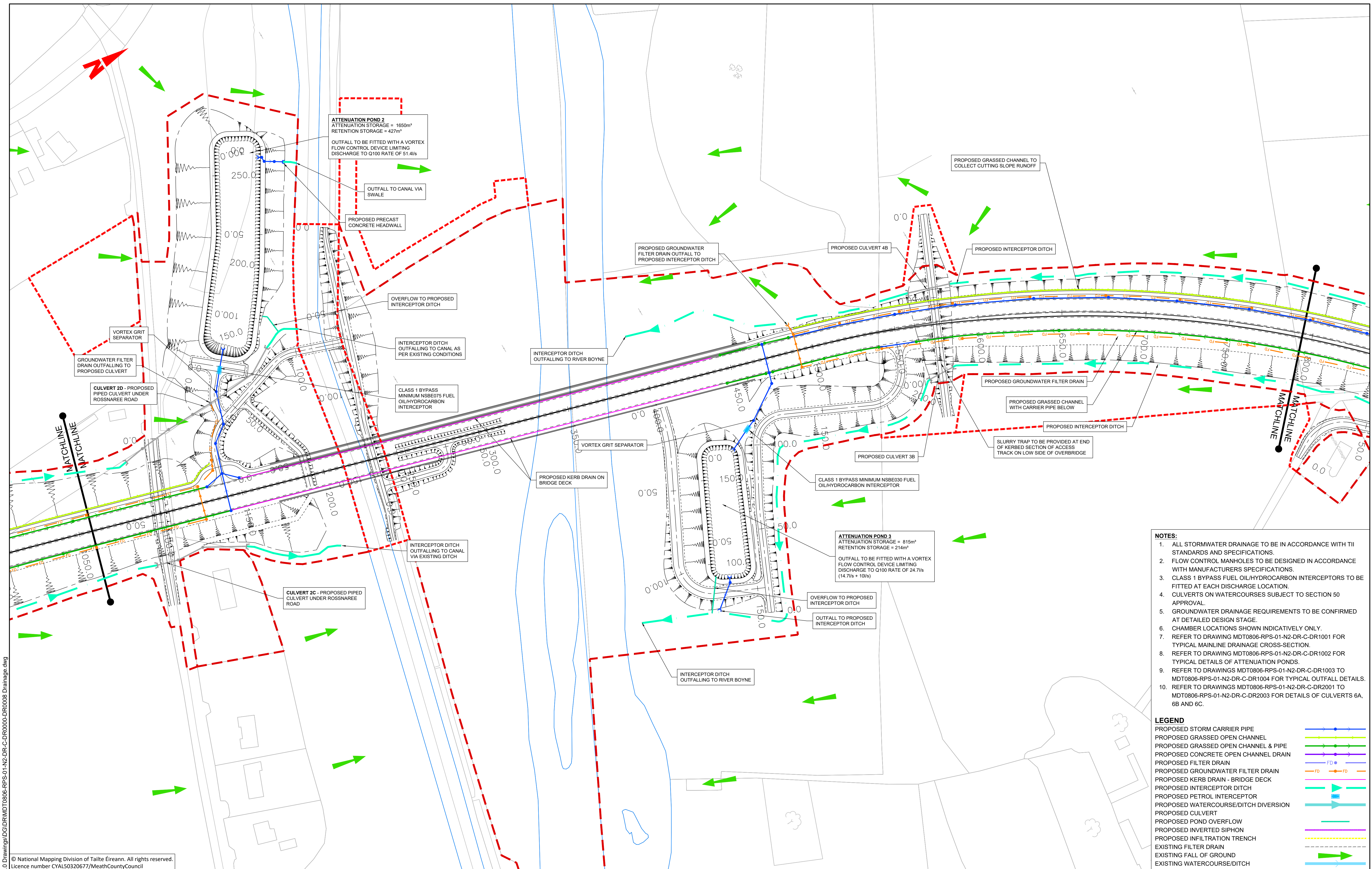
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Project			N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME		
Title			PROPOSED DRAINAGE LAYOUT SHEET 2 OF 8		
Drawing Number	Status	Rev			
DR0002	A1	C01			

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- NOTES:**
1. ALL STORMWATER DRAINAGE TO BE IN ACCORDANCE WITH TII STANDARDS AND SPECIFICATIONS.
 2. FLOW CONTROL MANHOLES TO BE DESIGNED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 3. CLASS 1 BYPASS FUEL OIL/HYDROCARBON INTERCEPTORS TO BE FITTED AT EACH DISCHARGE LOCATION.
 4. CULVERTS ON WATERCOURSES SUBJECT TO SECTION 50 APPROVAL.
 5. GROUNDWATER DRAINAGE REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 6. CHAMBER LOCATIONS SHOWN INDICATIVELY ONLY.
 7. REFER TO DRAWING MDT0806-RPS-01-N2-DR-C-DR1001 FOR TYPICAL MAINLINE DRAINAGE CROSS-SECTION.
 8. REFER TO DRAWING MDT0806-RPS-01-N2-DR-C-DR1002 FOR TYPICAL DETAILS OF ATTENUATION PONDS.
 9. REFER TO DRAWINGS MDT0806-RPS-01-N2-DR-C-DR1003 TO MDT0806-RPS-01-N2-DR-C-DR1004 FOR TYPICAL OUTFALL DETAILS.
 10. REFER TO DRAWINGS MDT0806-RPS-01-N2-DR-C-DR2001 TO MDT0806-RPS-01-N2-DR-C-DR2003 FOR DETAILS OF CULVERTS 6A, 6B AND 6C.

LEGEND

PROPOSED STORM CARRIER PIPE	
PROPOSED GRASSED OPEN CHANNEL	
PROPOSED CONCRETE OPEN CHANNEL DRAIN	
PROPOSED FILTER DRAIN	
PROPOSED GROUNDWATER FILTER DRAIN	
PROPOSED KERB DRAIN - BRIDGE DECK	
PROPOSED INTERCEPTOR DITCH	
PROPOSED PETROL INTERCEPTOR	
PROPOSED WATERCOURSE/DITCH DIVERSION	
PROPOSED CULVERT	
PROPOSED POND OVERFLOW	
PROPOSED INVERTED SIPHON	
PROPOSED INFILTRATION TRENCH	
EXISTING FILTER DRAIN	
EXISTING FALL OF GROUND	
EXISTING WATERCOURSE/DITCH	

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Project: **N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME**

Title: **PROPOSED DRAINAGE LAYOUT SHEET 3 OF 8**

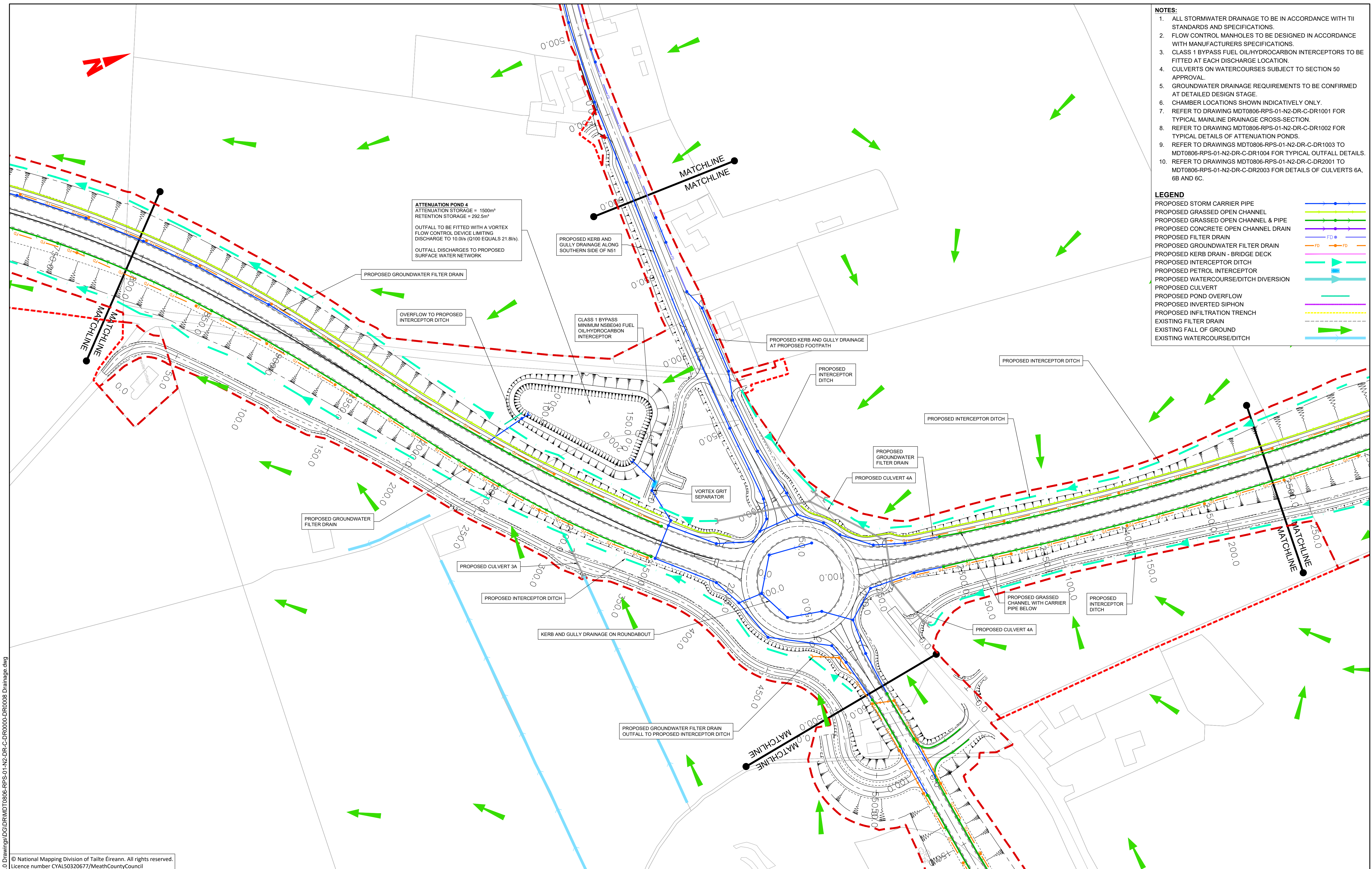
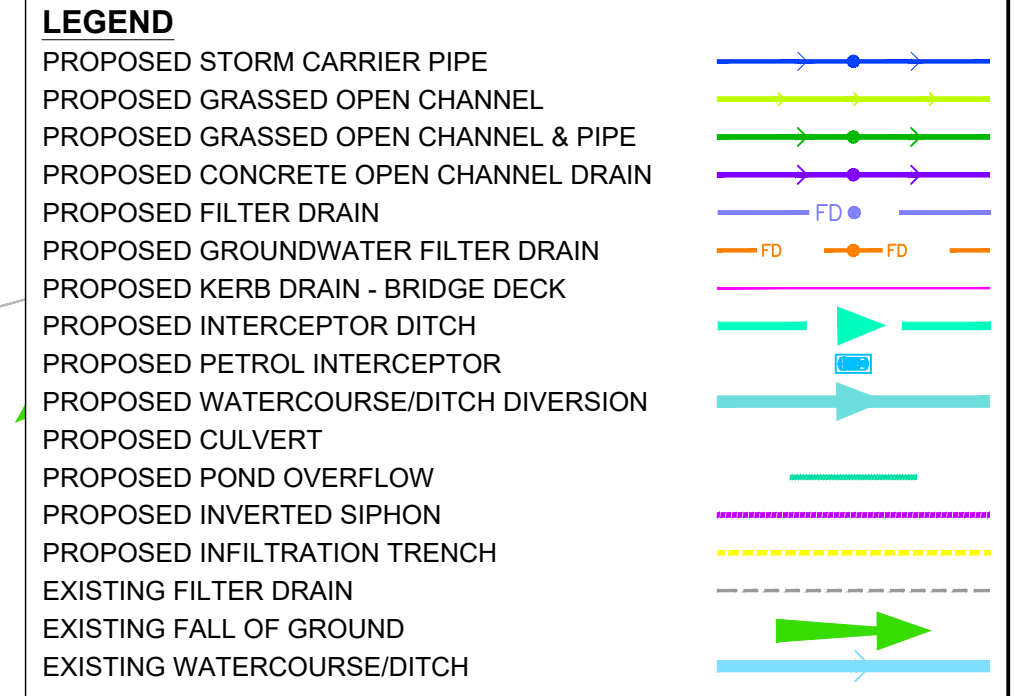
Drawing Number: DR0003

Status: A1

Rev: C01

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- NOTES:**
1. ALL STORMWATER DRAINAGE TO BE IN ACCORDANCE WITH TII STANDARDS AND SPECIFICATIONS.
 2. FLOW CONTROL MANHOLES TO BE DESIGNED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 3. CLASS 1 BYPASS FUEL OIL/HYDROCARBON INTERCEPTORS TO BE FITTED AT EACH DISCHARGE LOCATION.
 4. CULVERTS ON WATERCOURSES SUBJECT TO SECTION 50 APPROVAL.
 5. GROUNDWATER DRAINAGE REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 6. CHAMBER LOCATIONS SHOWN INDICATIVELY ONLY.
 7. REFER TO DRAWING MDT0806-RPS-01-N2-DR-C-DR1001 FOR TYPICAL MAINLINE DRAINAGE CROSS-SECTION.
 8. REFER TO DRAWING MDT0806-RPS-01-N2-DR-C-DR1002 FOR TYPICAL DETAILS OF ATTENUATION PONDS.
 9. REFER TO DRAWINGS MDT0806-RPS-01-N2-DR-C-DR1003 TO MDT0806-RPS-01-N2-DR-C-DR1004 FOR TYPICAL OUTFALL DETAILS.
 10. REFER TO DRAWINGS MDT0806-RPS-01-N2-DR-C-DR2001 TO MDT0806-RPS-01-N2-DR-C-DR2003 FOR DETAILS OF CULVERTS 6A, 6B AND 6C.



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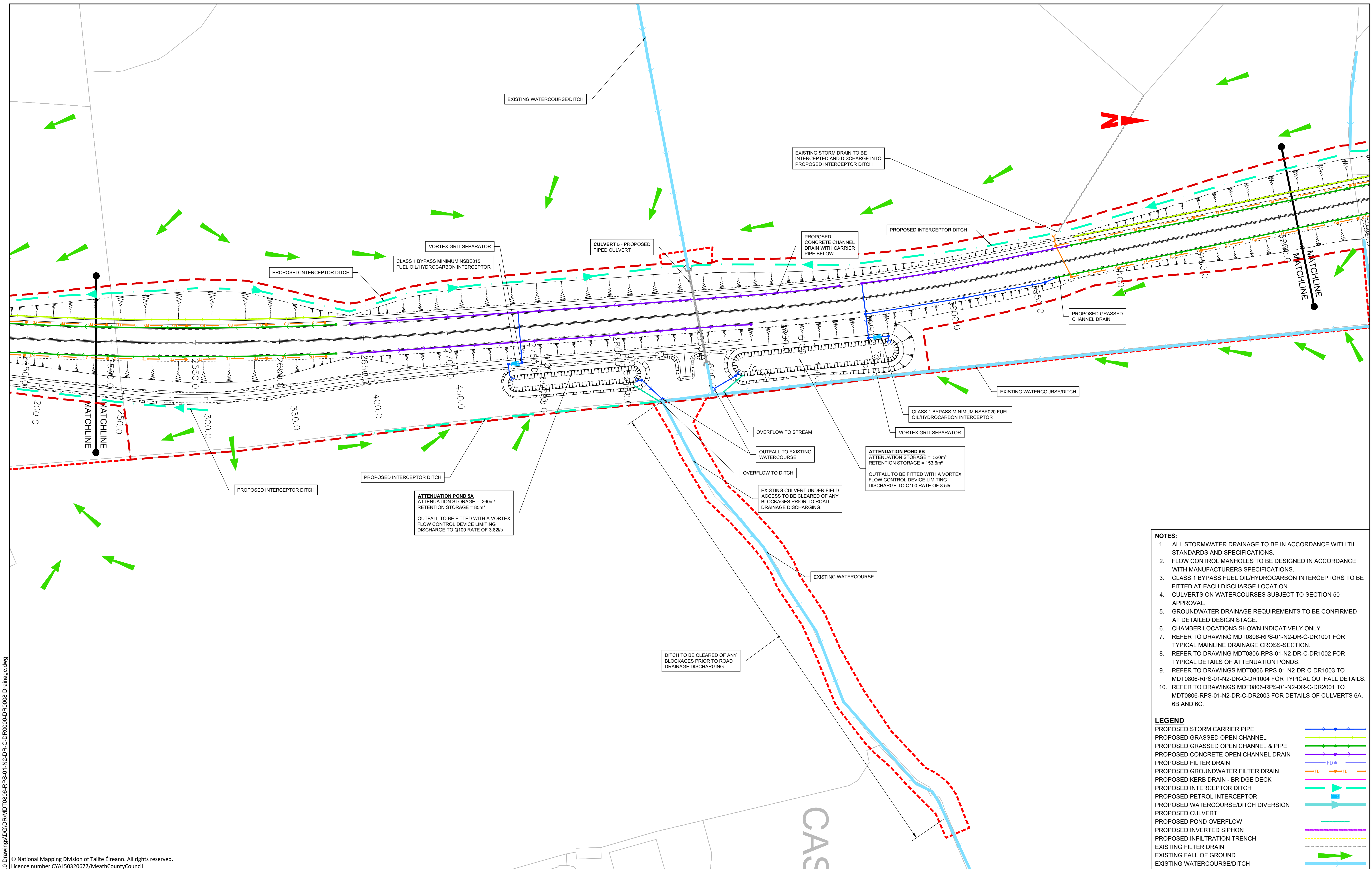
Sheets: 04 of 08

Project: **N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME**

Title: **PROPOSED DRAINAGE LAYOUT SHEET 4 OF 8**

Drawing Number: DR0004	Status: A1	Rev: C01
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- NOTES:**
- ALL STORMWATER DRAINAGE TO BE IN ACCORDANCE WITH TII STANDARDS AND SPECIFICATIONS.
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 - CLASS 1 BYPASS FUEL OIL/HYDROCARBON INTERCEPTORS TO BE FITTED AT EACH DISCHARGE LOCATION.
 - CULVERTS ON WATERCOURSES SUBJECT TO SECTION 50 APPROVAL.
 - GROUNDWATER DRAINAGE REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - CHAMBER LOCATIONS SHOWN INDICATIVELY ONLY.
 - REFER TO DRAWING MDT0806-RPS-01-N2-DR-C-DR1001 FOR TYPICAL MAINLINE DRAINAGE CROSS-SECTION.
 - REFER TO DRAWING MDT0806-RPS-01-N2-DR-C-DR1002 FOR TYPICAL DETAILS OF ATTENUATION PONDS.
 - REFER TO DRAWINGS MDT0806-RPS-01-N2-DR-C-DR1003 TO MDT0806-RPS-01-N2-DR-C-DR1004 FOR TYPICAL OUTFALL DETAILS.
 - REFER TO DRAWINGS MDT0806-RPS-01-N2-DR-C-DR2001 TO MDT0806-RPS-01-N2-DR-C-DR2003 FOR DETAILS OF CULVERTS 6A, 6B AND 6C.

LEGEND

PROPOSED STORM CARRIER PIPE	
PROPOSED GRASSED OPEN CHANNEL	
PROPOSED CONCRETE OPEN CHANNEL & PIPE	
PROPOSED FILTER DRAIN	
PROPOSED GROUNDWATER FILTER DRAIN	
PROPOSED KERB DRAIN - BRIDGE DECK	
PROPOSED INTERCEPTOR DITCH	
PROPOSED PETROL INTERCEPTOR	
PROPOSED WATERCOURSE/DITCH DIVERSION	
PROPOSED CULVERT	
PROPOSED POND OVERFLOW	
PROPOSED INVERTED SIPHON	
PROPOSED INFILTRATION TRENCH	
EXISTING FILTER DRAIN	
EXISTING FALL OF GROUND	
EXISTING WATERCOURSE/DITCH	

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Project: **N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME**

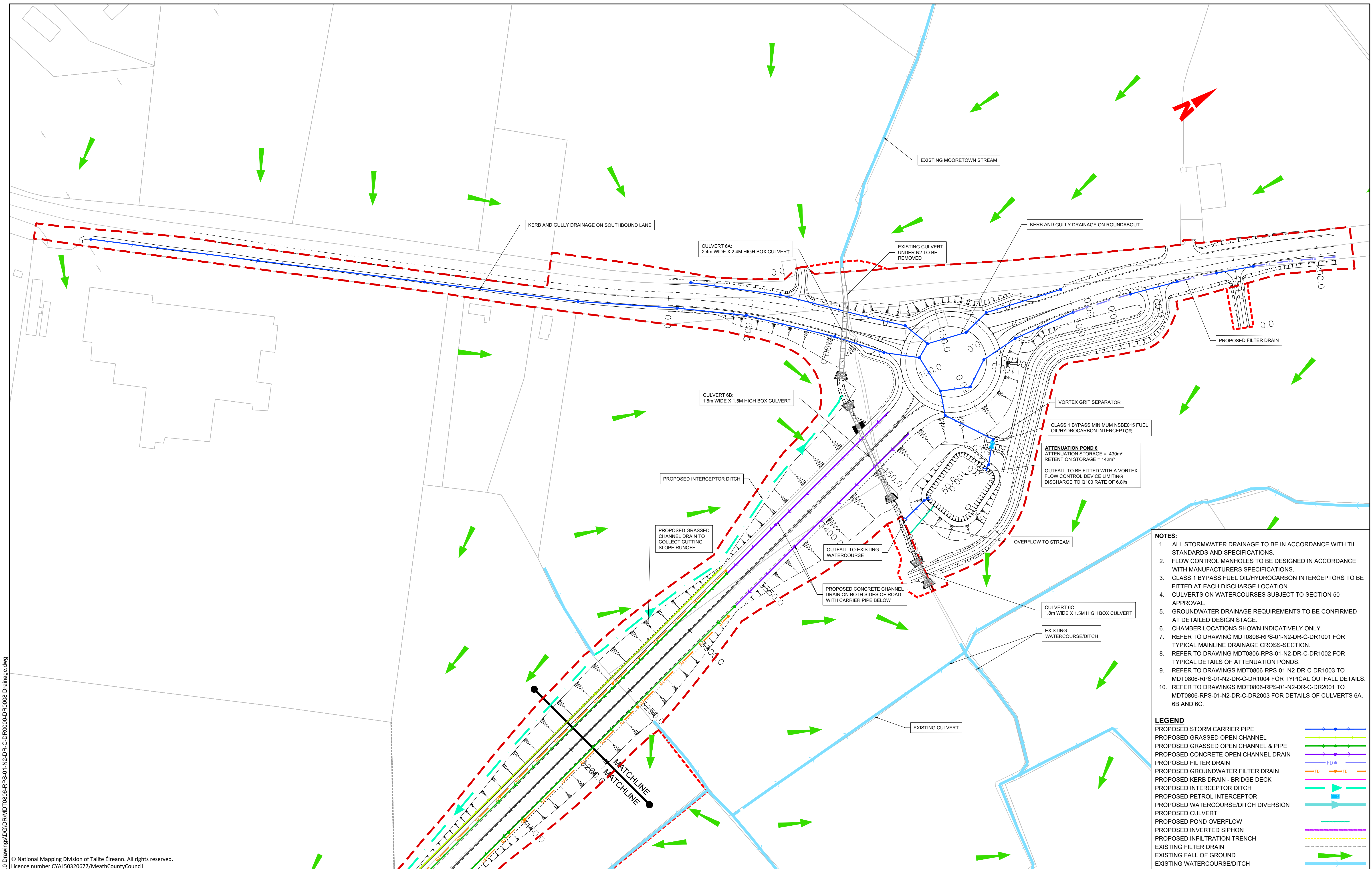
Title: **PROPOSED DRAINAGE LAYOUT SHEET 5 OF 8**

Drawing Number: DR0005

Status: A1

Rev: C01

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- NOTES:**
1. ALL STORMWATER DRAINAGE TO BE IN ACCORDANCE WITH TII STANDARDS AND SPECIFICATIONS.
 2. FLOW CONTROL MANHOLES TO BE DESIGNED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
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 6. CHAMBER LOCATIONS SHOWN INDICATIVELY ONLY.
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 8. REFER TO DRAWING MDT0806-RPS-01-N2-DR-C-DR1002 FOR TYPICAL DETAILS OF ATTENUATION PONDS.
 9. REFER TO DRAWINGS MDT0806-RPS-01-N2-DR-C-DR1003 TO MDT0806-RPS-01-N2-DR-C-DR1004 FOR TYPICAL OUTFALL DETAILS.
 10. REFER TO DRAWINGS MDT0806-RPS-01-N2-DR-C-DR2001 TO MDT0806-RPS-01-N2-DR-C-DR2003 FOR DETAILS OF CULVERTS 6A, 6B AND 6C.

- LEGEND**
- PROPOSED STORM CARRIER PIPE
 - PROPOSED GRASSED OPEN CHANNEL
 - PROPOSED GRASSED OPEN CHANNEL & PIPE
 - PROPOSED CONCRETE OPEN CHANNEL DRAIN
 - PROPOSED FILTER DRAIN
 - PROPOSED GROUNDWATER FILTER DRAIN
 - PROPOSED KERB DRAIN - BRIDGE DECK
 - PROPOSED INTERCEPTOR DITCH
 - PROPOSED PETROL INTERCEPTOR
 - PROPOSED WATERCOURSE/DITCH DIVERSION
 - PROPOSED CULVERT
 - PROPOSED POND OVERFLOW
 - PROPOSED INVERTED SIPHON
 - PROPOSED INFILTRATION TRENCH
 - EXISTING FILTER DRAIN
 - EXISTING FALL OF GROUND
 - EXISTING WATERCOURSE/DITCH

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Sheets: 06 of 08

Project: **N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME**

Title: **PROPOSED DRAINAGE LAYOUT SHEET 6 OF 8**

Drawing Number: DR0006

Status: A1

Rev: C01

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- NOTES:**
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LEGEND

PROPOSED STORM CARRIER PIPE	
PROPOSED GRASSED OPEN CHANNEL & PIPE	
PROPOSED CONCRETE OPEN CHANNEL DRAIN	
PROPOSED FILTER DRAIN	
PROPOSED GROUNDWATER FILTER DRAIN	
PROPOSED KERB DRAIN - BRIDGE DECK	
PROPOSED INTERCEPTOR DITCH	
PROPOSED PETROL INTERCEPTOR	
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PROPOSED CULVERT	
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PROPOSED INFILTRATION TRENCH	
EXISTING FILTER DRAIN	
EXISTING FALL OF GROUND	
EXISTING WATERCOURSE/DITCH	



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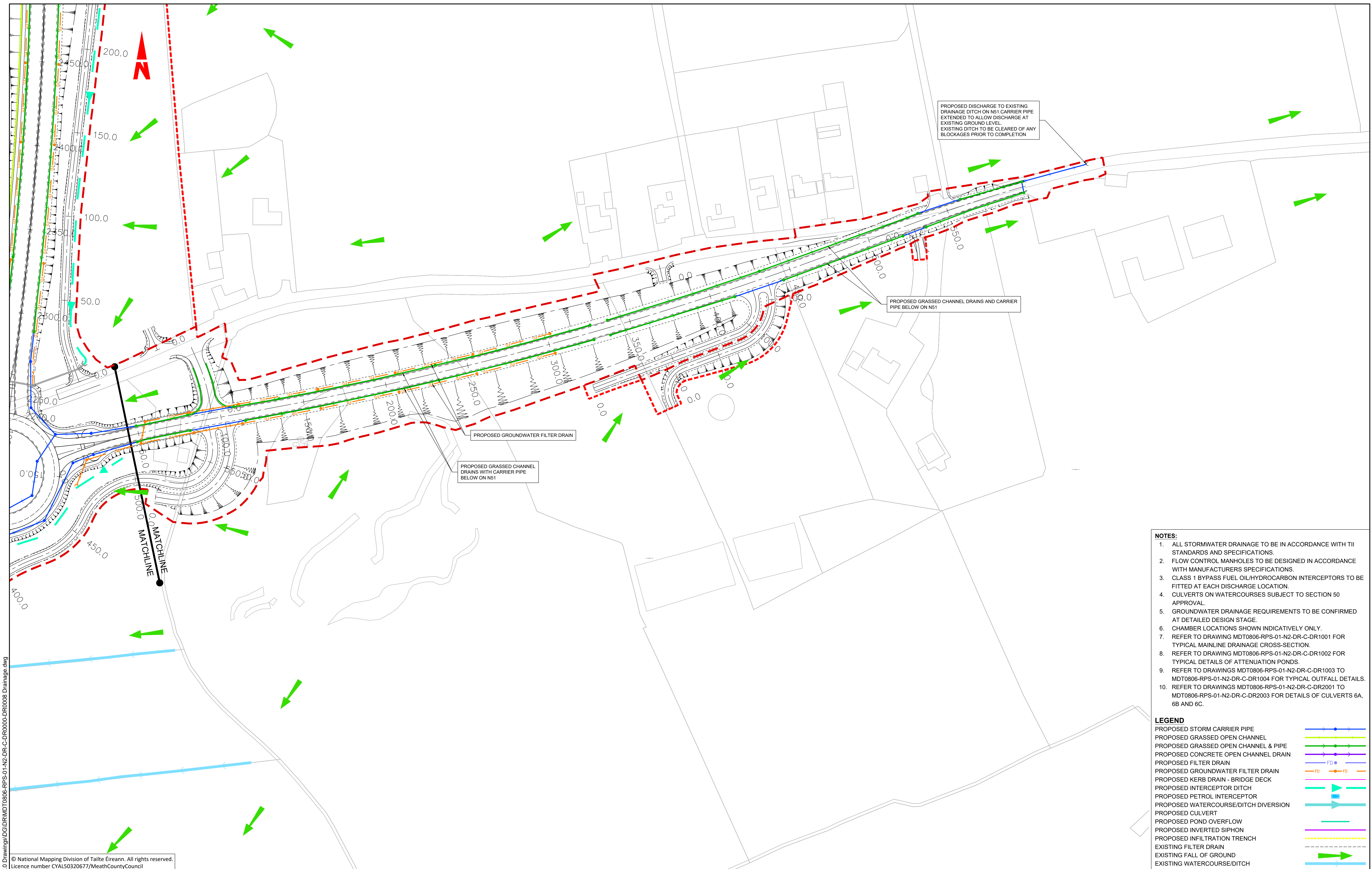
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Sheets	07 of 08

Project	N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME		
Title	PROPOSED DRAINAGE LAYOUT SHEET 7 OF 8		
Drawing Number	DR0007	Status	A1
Rev	C01		



- NOTES:**
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 5. GROUNDWATER DRAINAGE REQUIREMENTS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 6. CHAMBER LOCATIONS SHOWN INDICATIVELY ONLY.
 7. REFER TO DRAWING MDT0806-RPS-01-N2-DR-C-DR1001 FOR TYPICAL MAINLINE DRAINAGE CROSS-SECTION.
 8. REFER TO DRAWING MDT0806-RPS-01-N2-DR-C-DR1002 FOR TYPICAL DETAILS OF ATTENUATION PONDS.
 9. REFER TO DRAWINGS MDT0806-RPS-01-N2-DR-C-DR1003 TO MDT0806-RPS-01-N2-DR-C-DR1004 FOR TYPICAL OUTFALL DETAILS.
 10. REFER TO DRAWINGS MDT0806-RPS-01-N2-DR-C-DR2001 TO MDT0806-RPS-01-N2-DR-C-DR2003 FOR DETAILS OF CULVERTS 6A, 6B AND 6C.

LEGEND

PROPOSED STORM CARRIER PIPE	
PROPOSED GRASSED OPEN CHANNEL	
PROPOSED GRASSED OPEN CHANNEL & PIPE	
PROPOSED CONCRETE OPEN CHANNEL DRAIN	
PROPOSED FILTER DRAIN	
PROPOSED GROUNDWATER FILTER DRAIN	
PROPOSED KERB DRAIN - BRIDGE DECK	
PROPOSED INTERCEPTOR DITCH	
PROPOSED PETROL INTERCEPTOR	
PROPOSED WATERCOURSE/DITCH DIVERSION	
PROPOSED CULVERT	
PROPOSED POND OVERFLOW	
PROPOSED INVERTED SIPHON	
PROPOSED INFILTRATION TRENCH	
EXISTING FALL OF GROUND	
EXISTING FILTER DRAIN	
EXISTING WATERCOURSE/DITCH	

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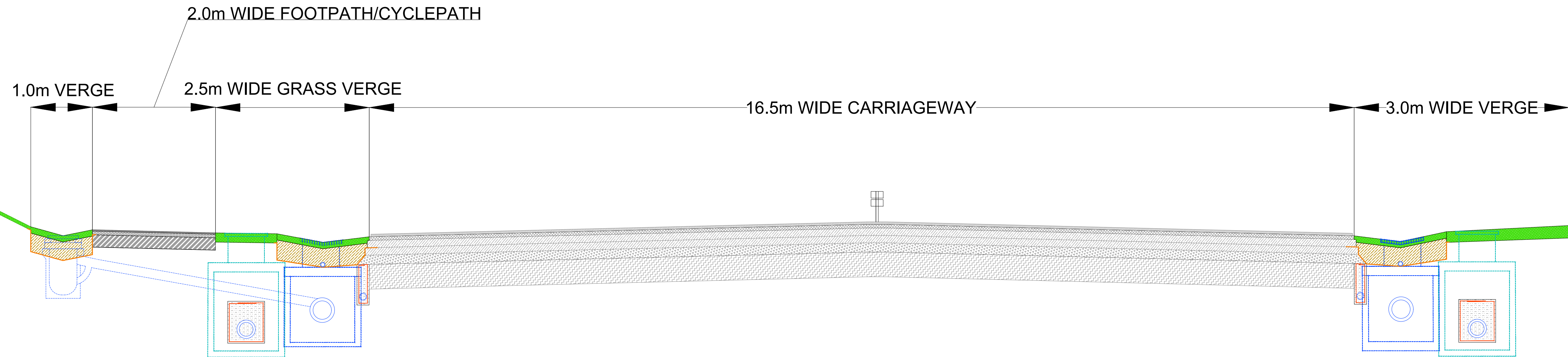
Sheets: 08 of 08

Project: **N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME**

Title: **PROPOSED DRAINAGE LAYOUT SHEET 8 OF 8**

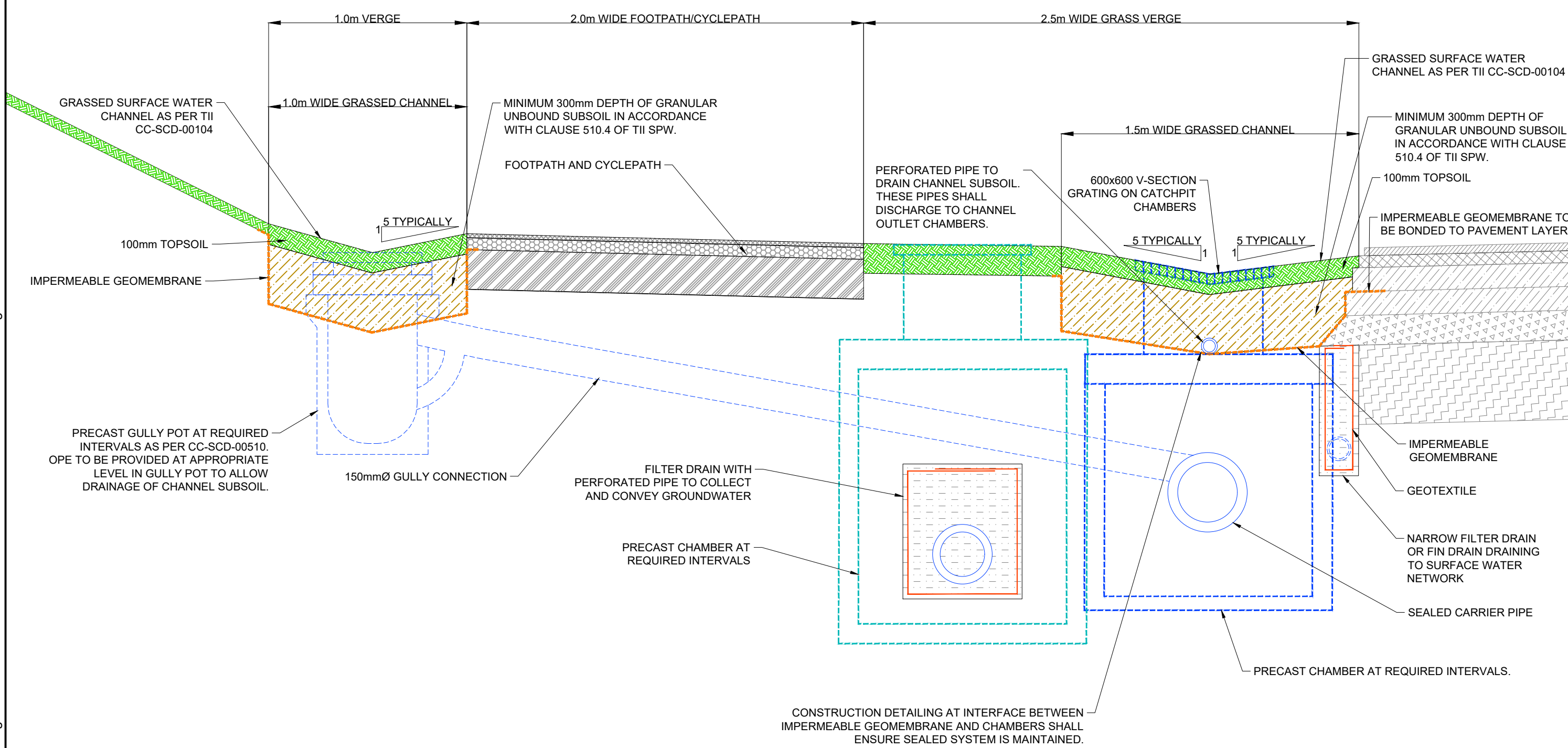
Drawing Number: DR0008	Status: A1	Rev: C01
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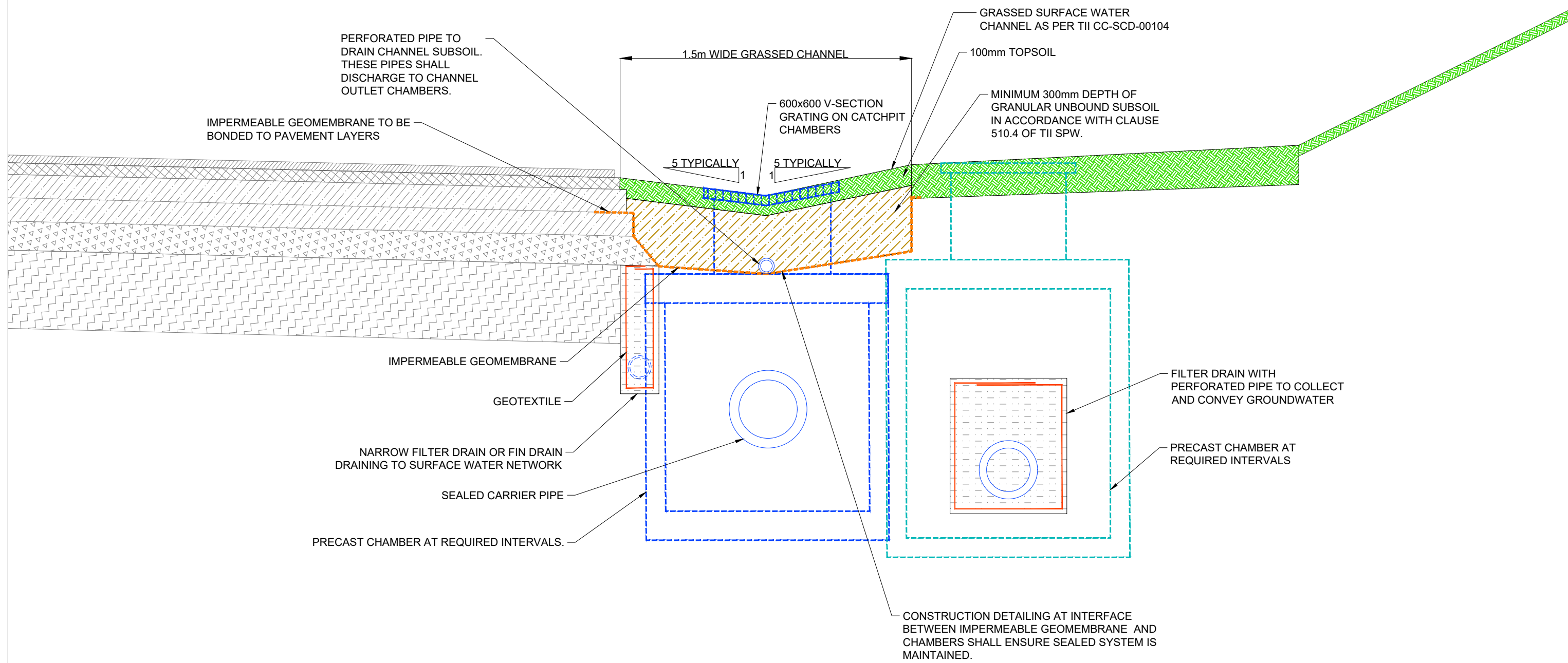


TYPICAL MAINLINE CROSS-SECTION
SCALE 1:40

TYPICAL DRAINAGE ARRANGEMENT - LEFT-HAND SIDE
SCALE 1:20



TYPICAL DRAINAGE ARRANGEMENT - RIGHT-HAND SIDE
SCALE 1:20



R:\MDT0806_N2_Slane Bypass\8_0 Drawings\DR\MDT0806-RPS-01-N2-DR-C-DR1001 Cross Section.dwg

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01 of 01

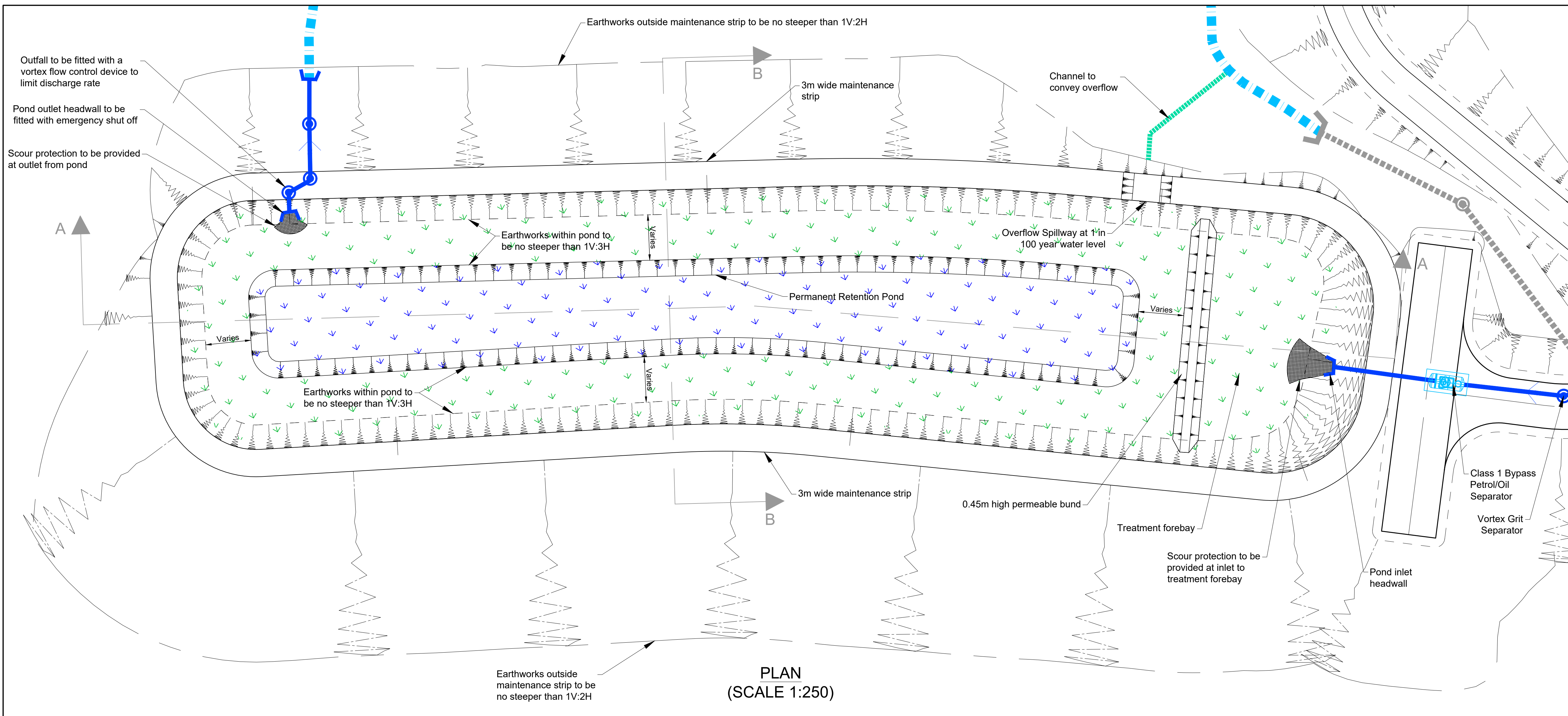
Project
N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME

Title
PROPOSED DRAINAGE
TYPICAL MAINLINE CROSS-SECTION

Drawing Number
DR1001

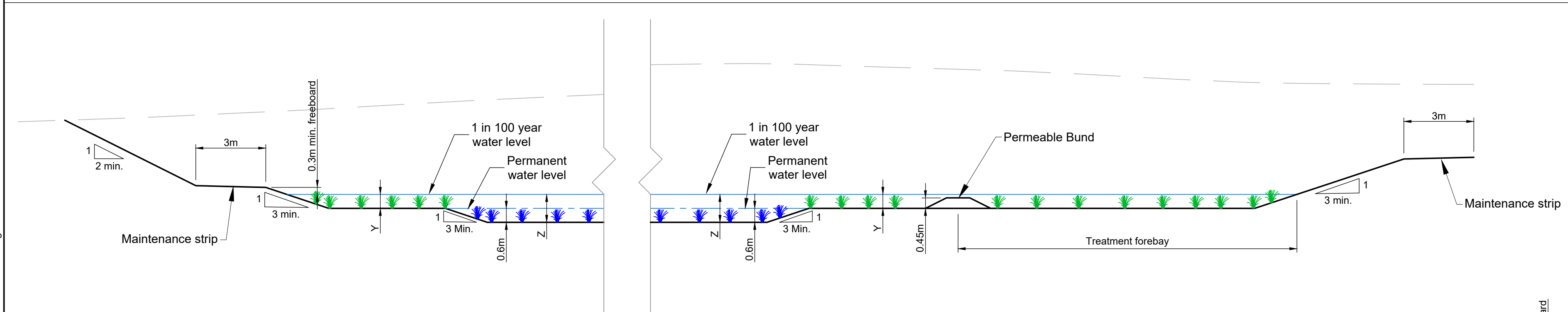
Status
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Rev
C02

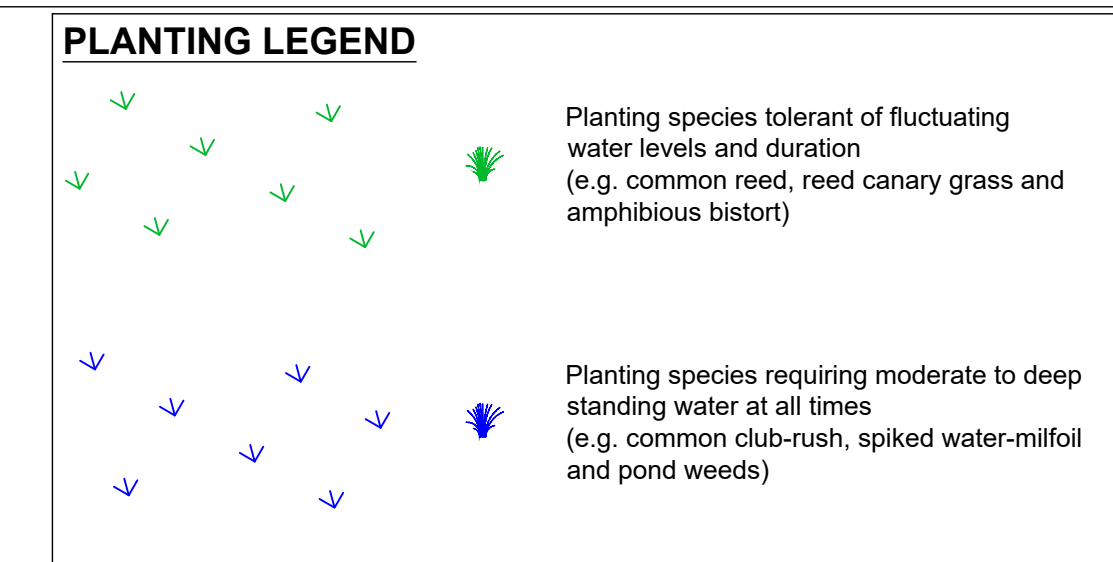


- NOTES:**
- All stormwater drainage to be in accordance with TII standards and specifications.
 - Detailed design of ponds to be in accordance with the recommendations of TII DN-DNG-03063 and CIRIA SuDS Manual.
 - Flow control manholes to be designed in accordance with manufacturers' specifications.
 - Ponds to be sealed with a liner. Exact method of pond lining to be confirmed at detailed design stage.
 - Refer to drawings MDT0806-RPS-01-N2-DR-C-DR0000 to DR0008 for drainage layouts.

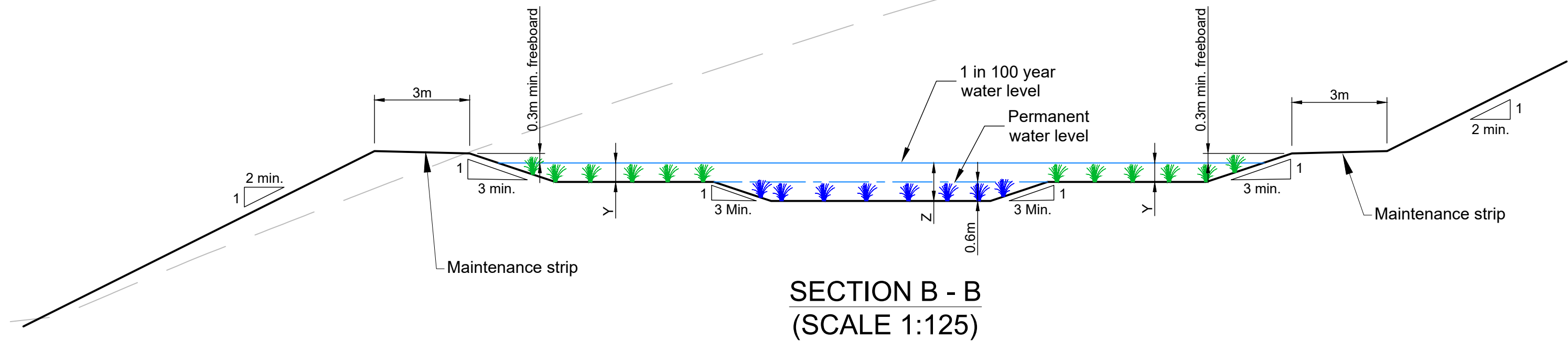
PLAN
(SCALE 1:250)



SECTION A - A
(SCALE 1:125)



ATTENUATION POND DETAILS					
Attenuation Pond Number	Water Depth Y (m)	Water Depth Z (m)	Attenuation Storage (m ³)	Retention Storage (m ³)	Discharge Rate (l/s)
Pond 1	0.8	1.4	290.0	99.7	6.70
Pond 2	0.6	1.2	1650.0	427.0	51.40
Pond 3	0.6	1.2	815.0	214.0	24.70
Pond 4	0.8	1.4	1500.0	292.5	10.00
Pond 5A	0.6	1.2	260.0	85.0	3.82
Pond 5B	0.6	1.2	520.0	153.6	8.50
Pond 6	0.6	1.2	430.0	142.0	6.80



SECTION B - B
(SCALE 1:125)

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Created on	07/05/2021
Sheets	01 of 01

Project: **N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME**

Title: **PROPOSED DRAINAGE TYPICAL POND DETAIL**

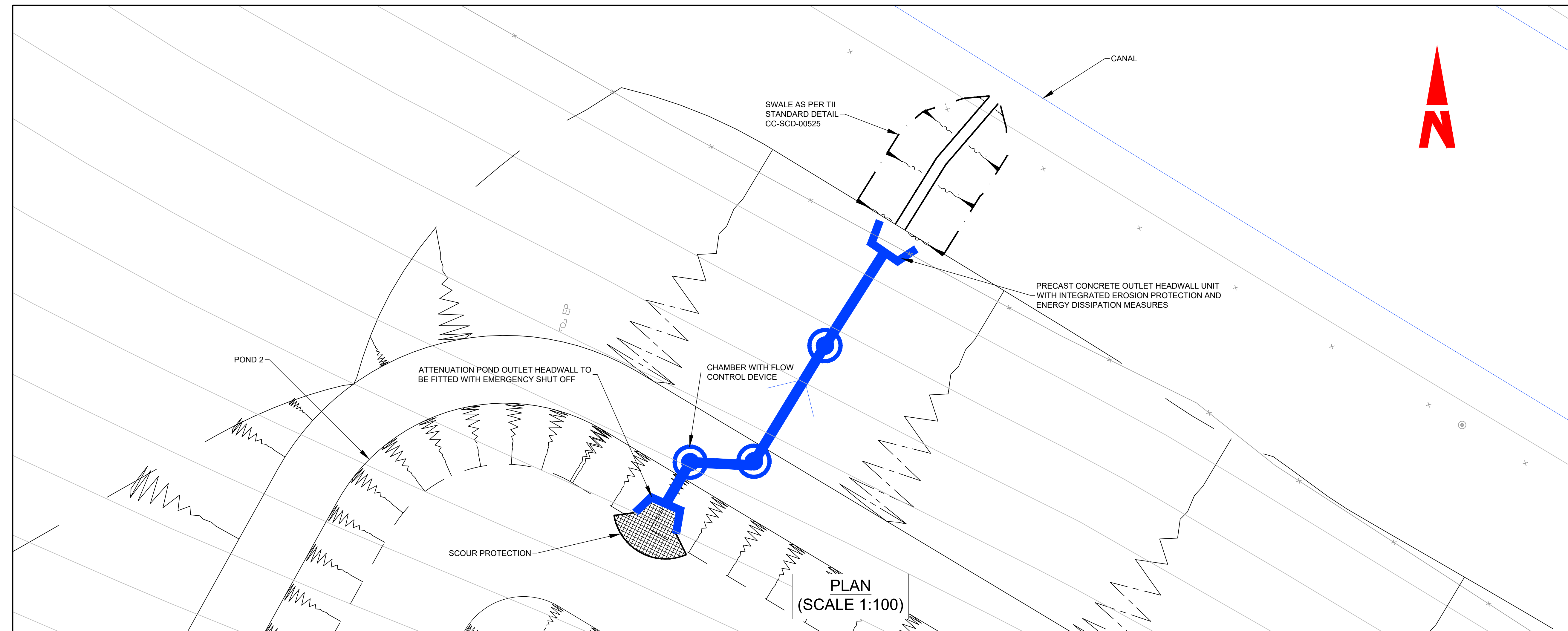
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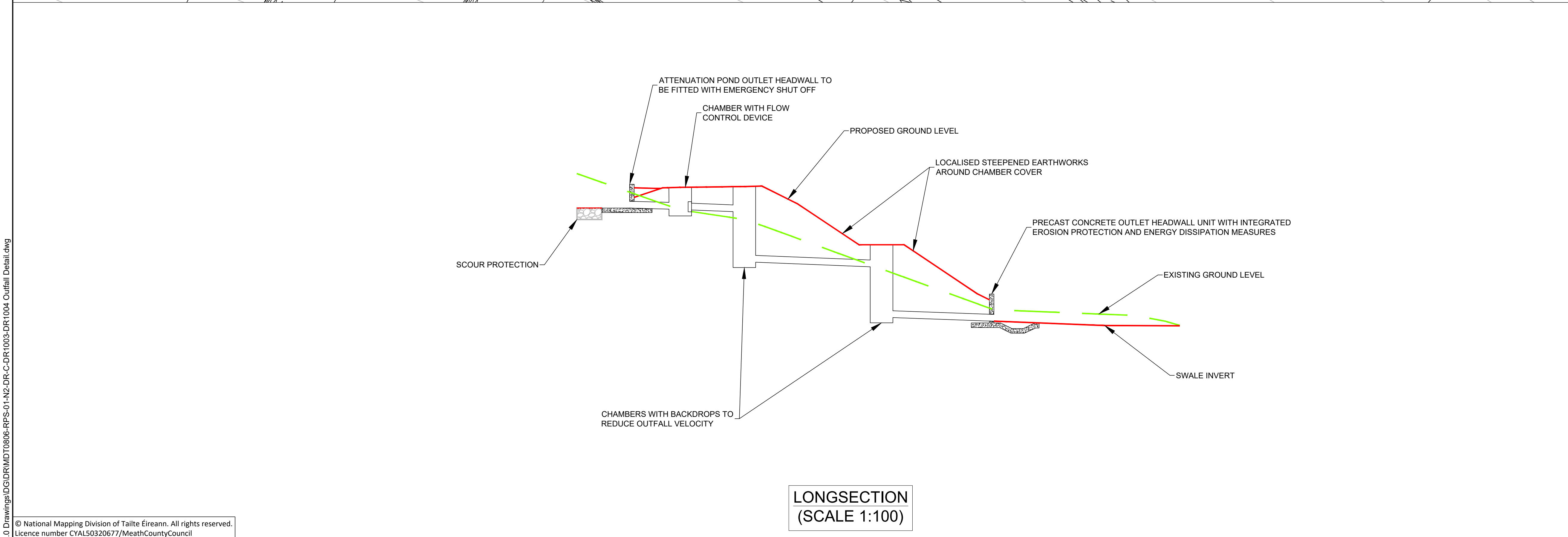
Rev: C01

R:\MDT0806_N2_Slane Bypass\8_0 Drawings\DR\MDT0806-RPS-01-N2-DR-C-DR1002 Pond Detail.dwg

- NOTES:**
- All stormwater drainage to be in accordance with TII standards and specifications.
 - Refer to drawings MDT0806-RPS-01-N2-DR-C-DR0000 to DR0008 for drainage layouts.



PLAN
(SCALE 1:100)



LONGSECTION
(SCALE 1:100)

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Sheets	01 of 02

Project **N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME**

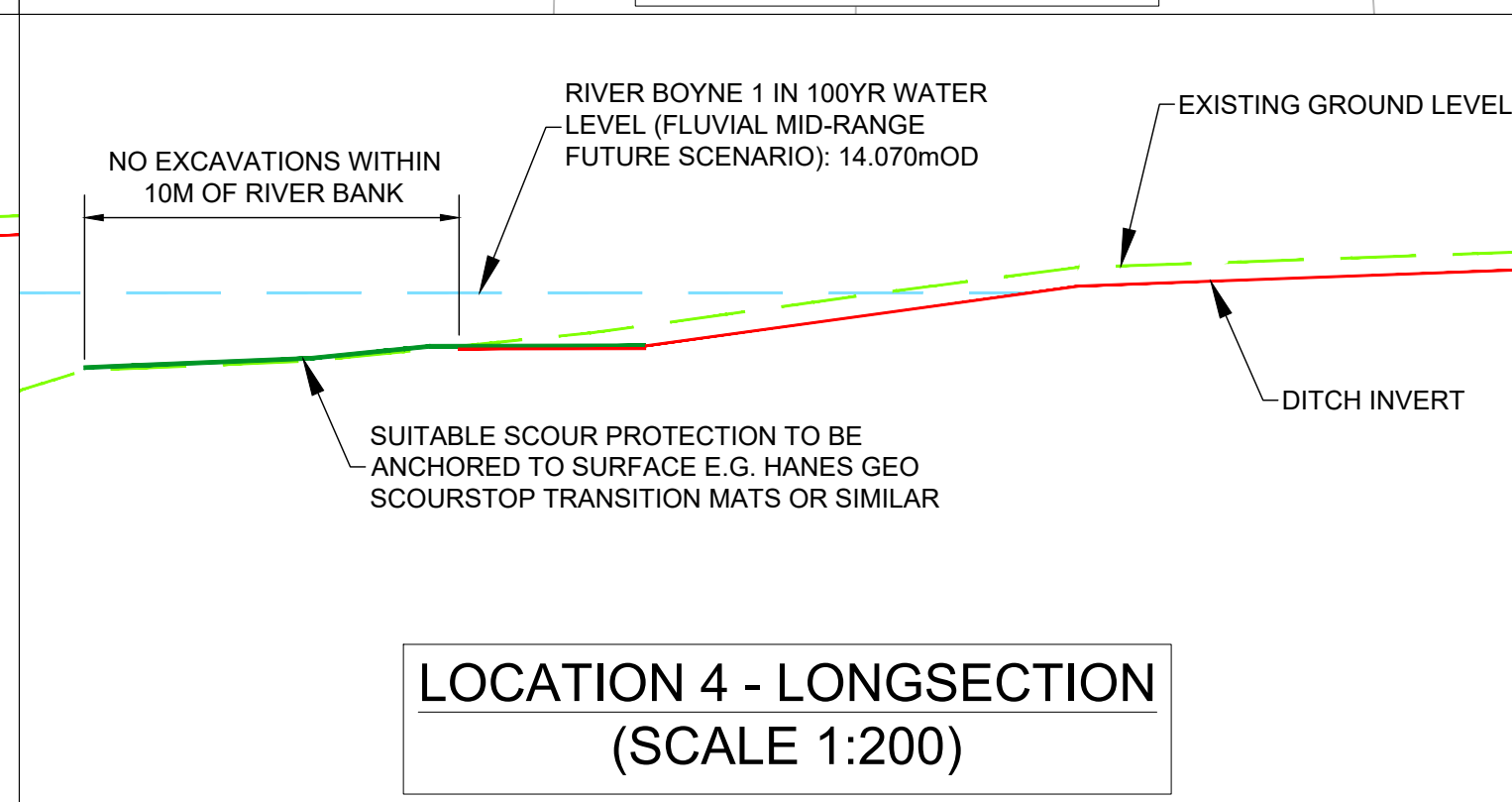
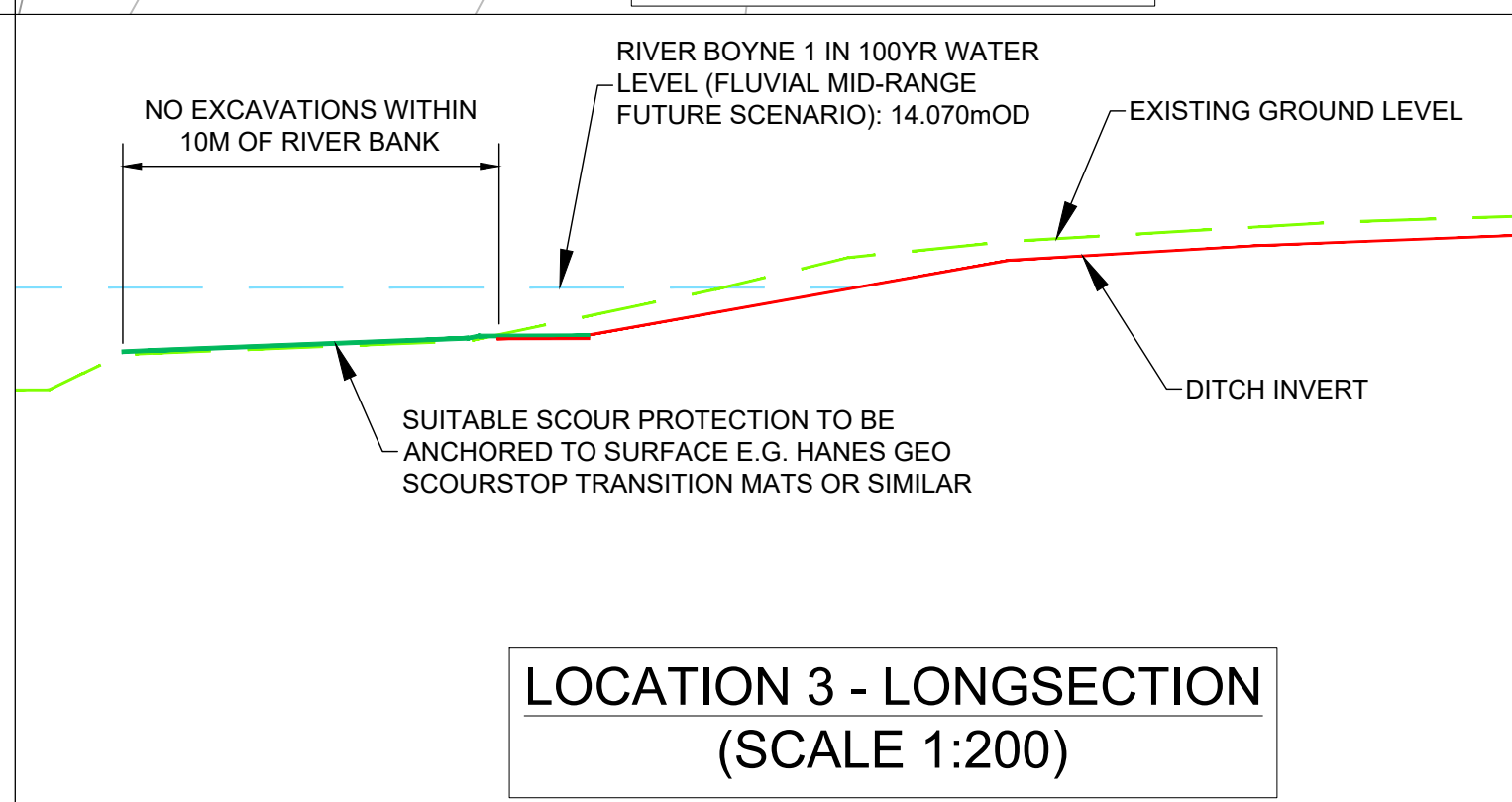
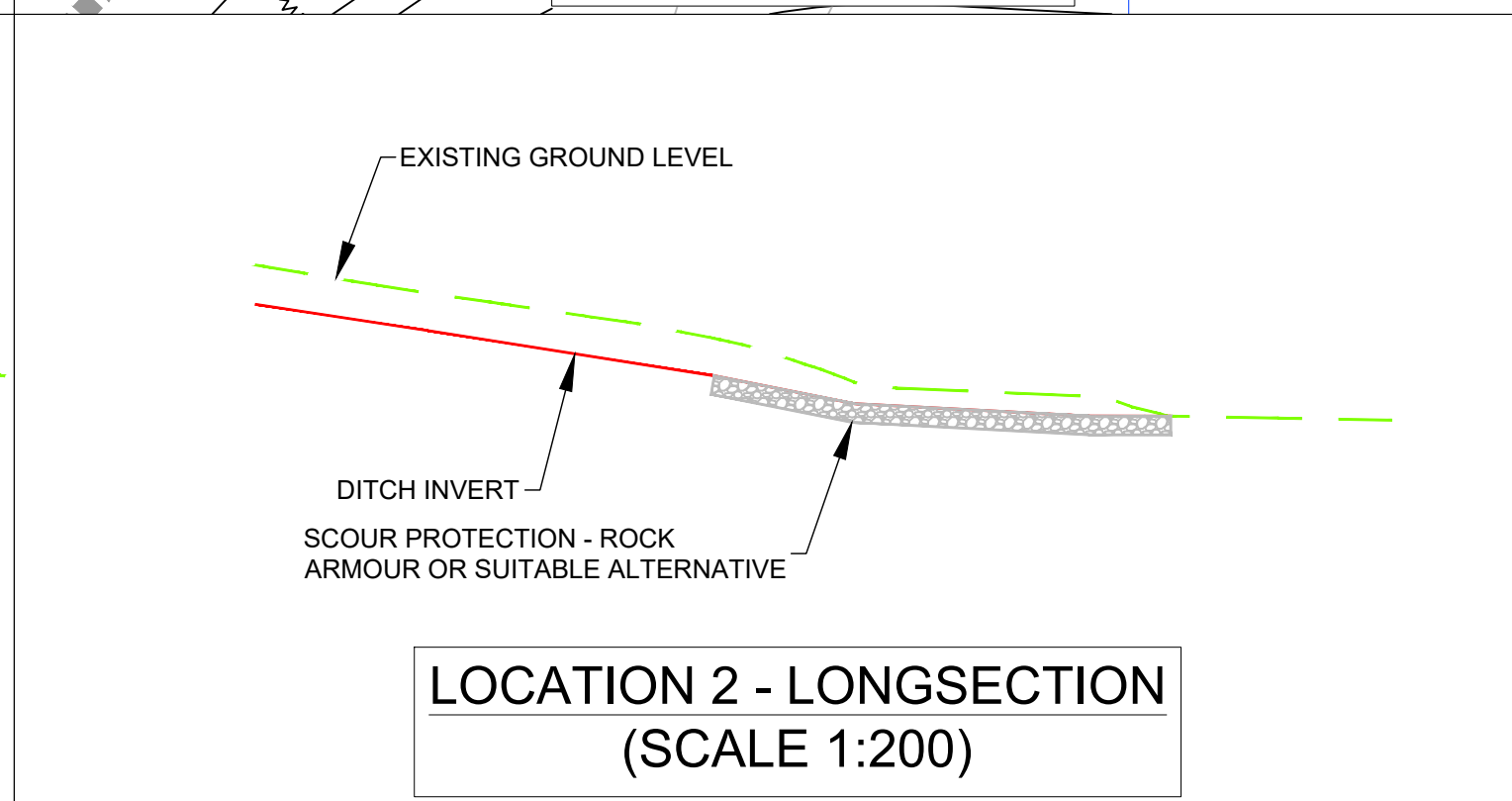
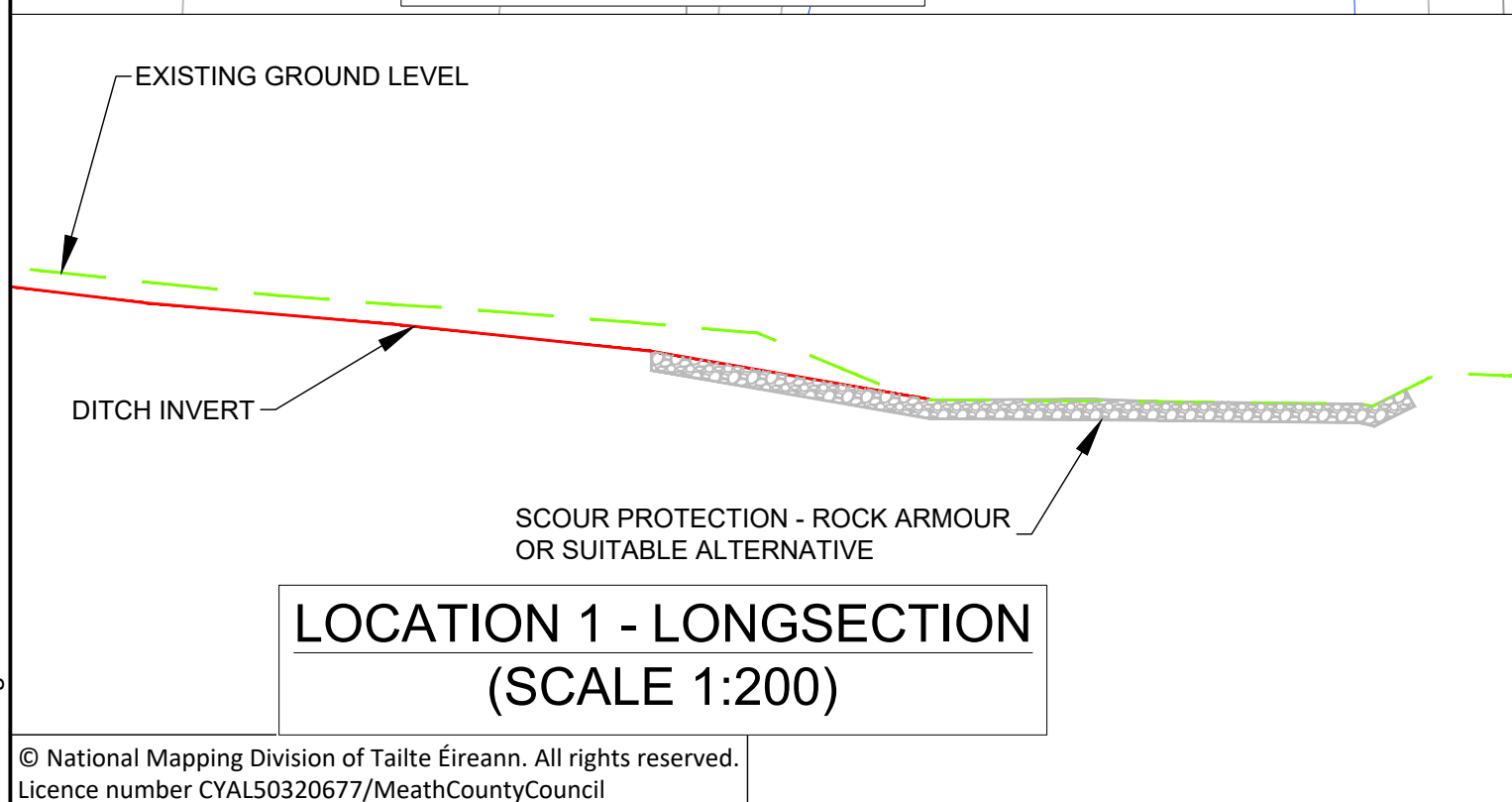
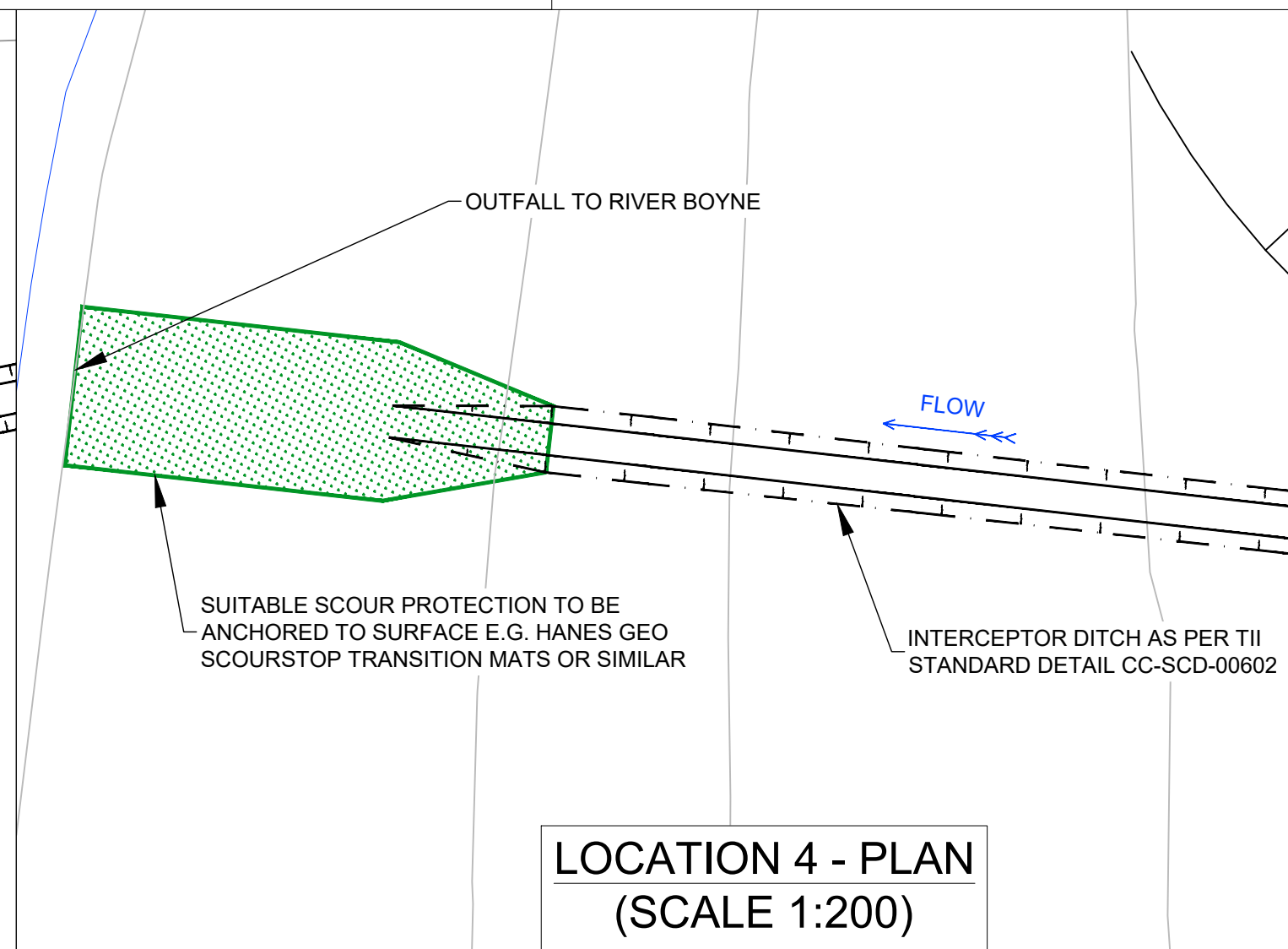
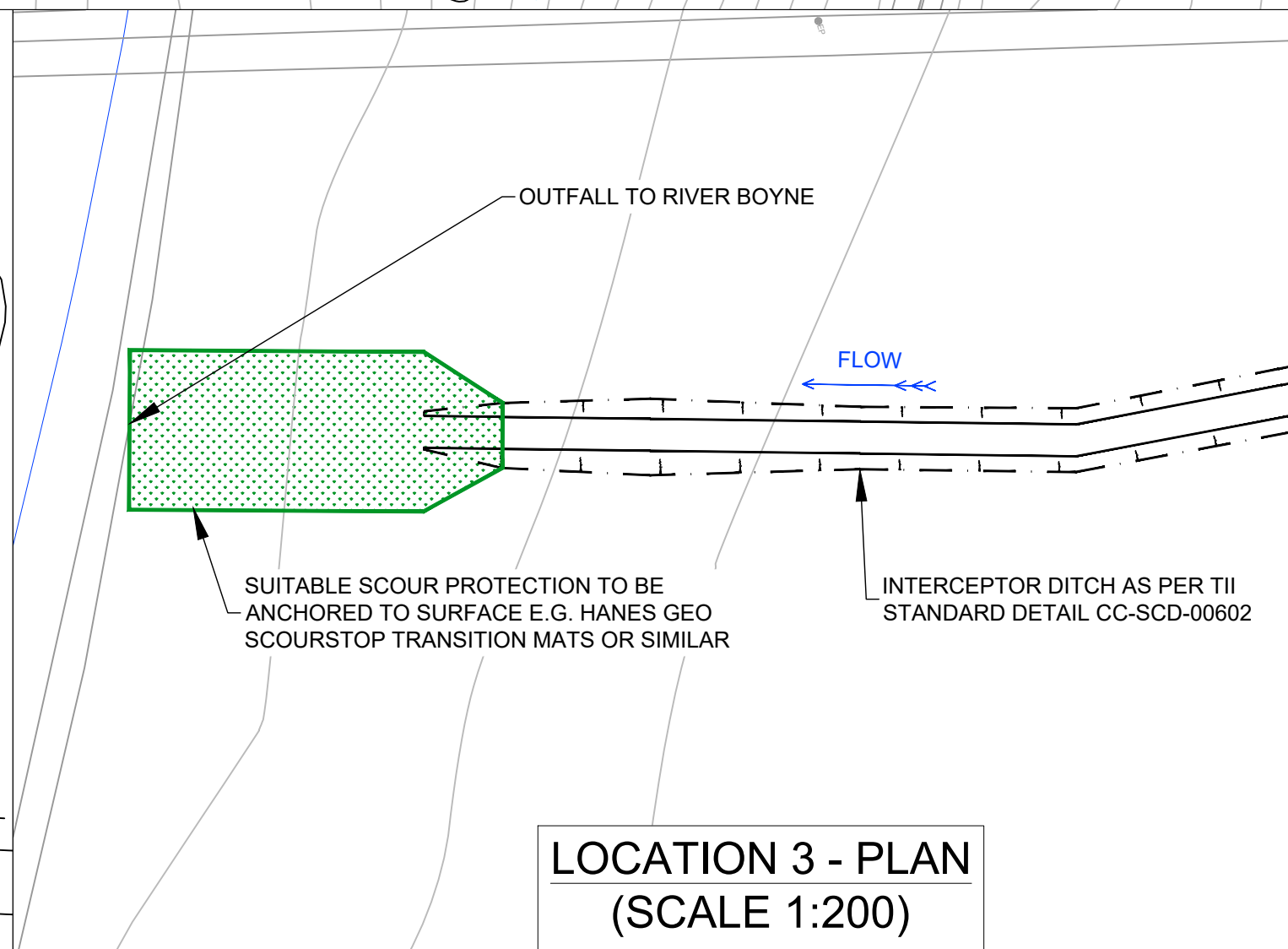
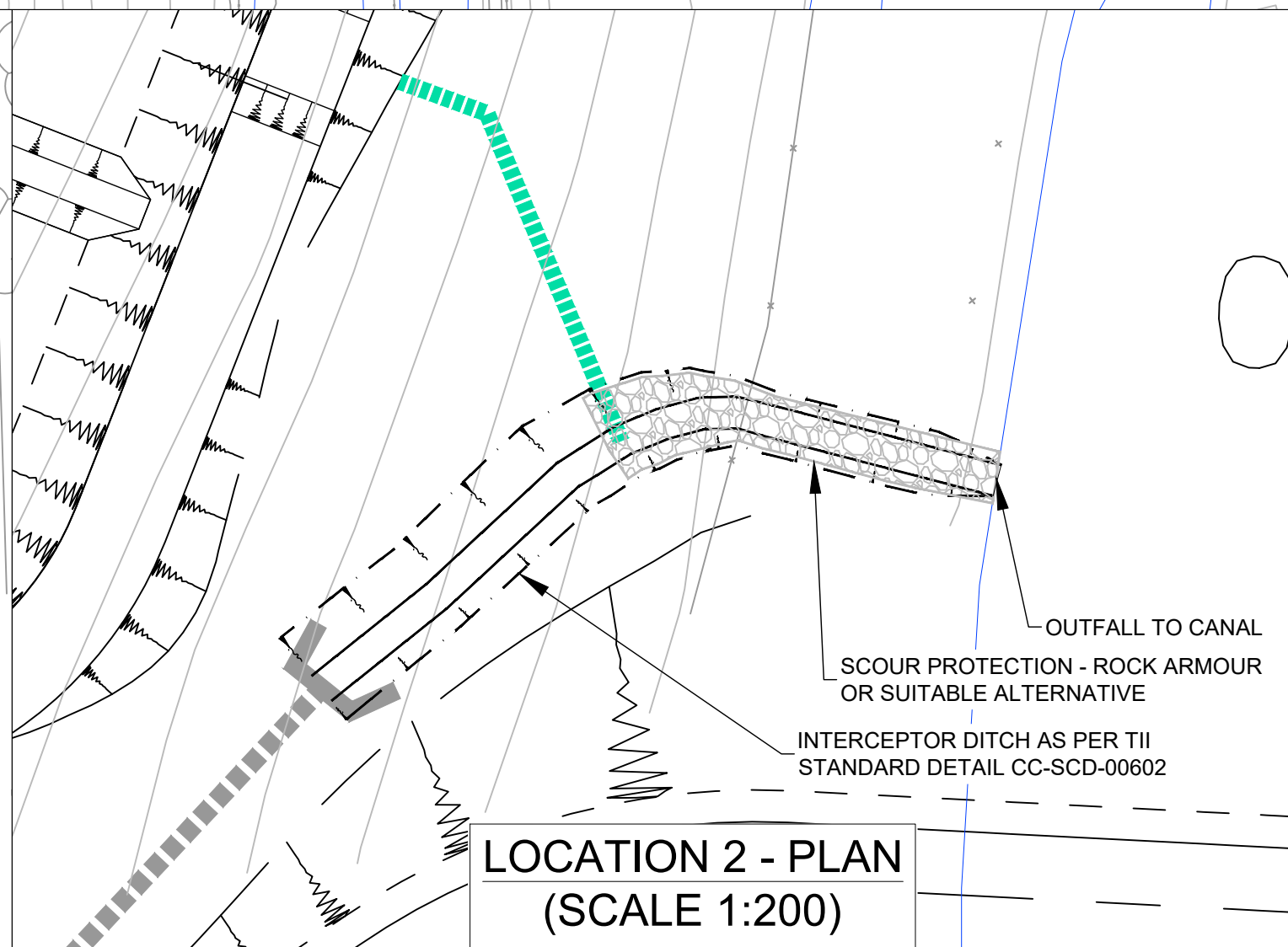
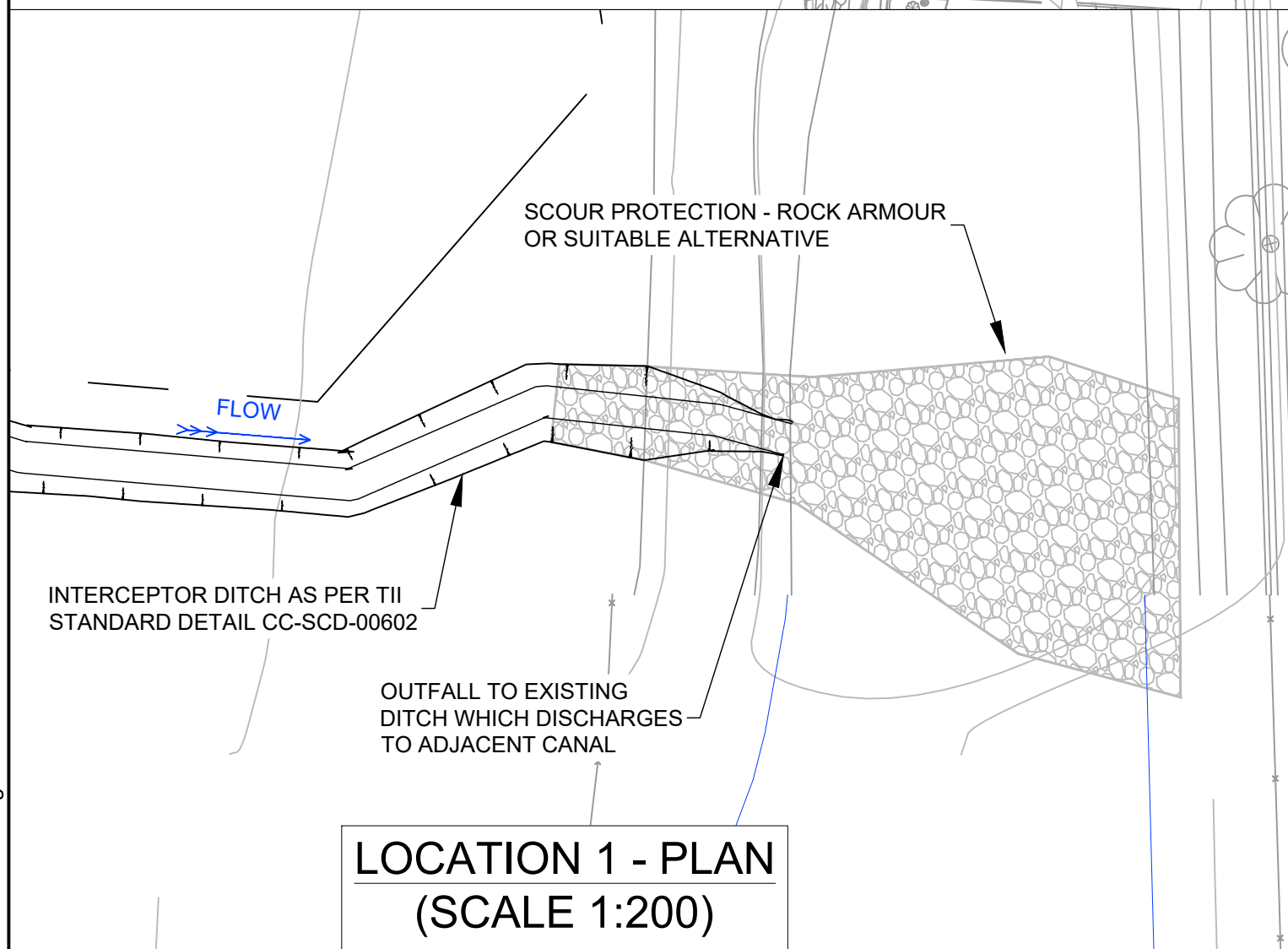
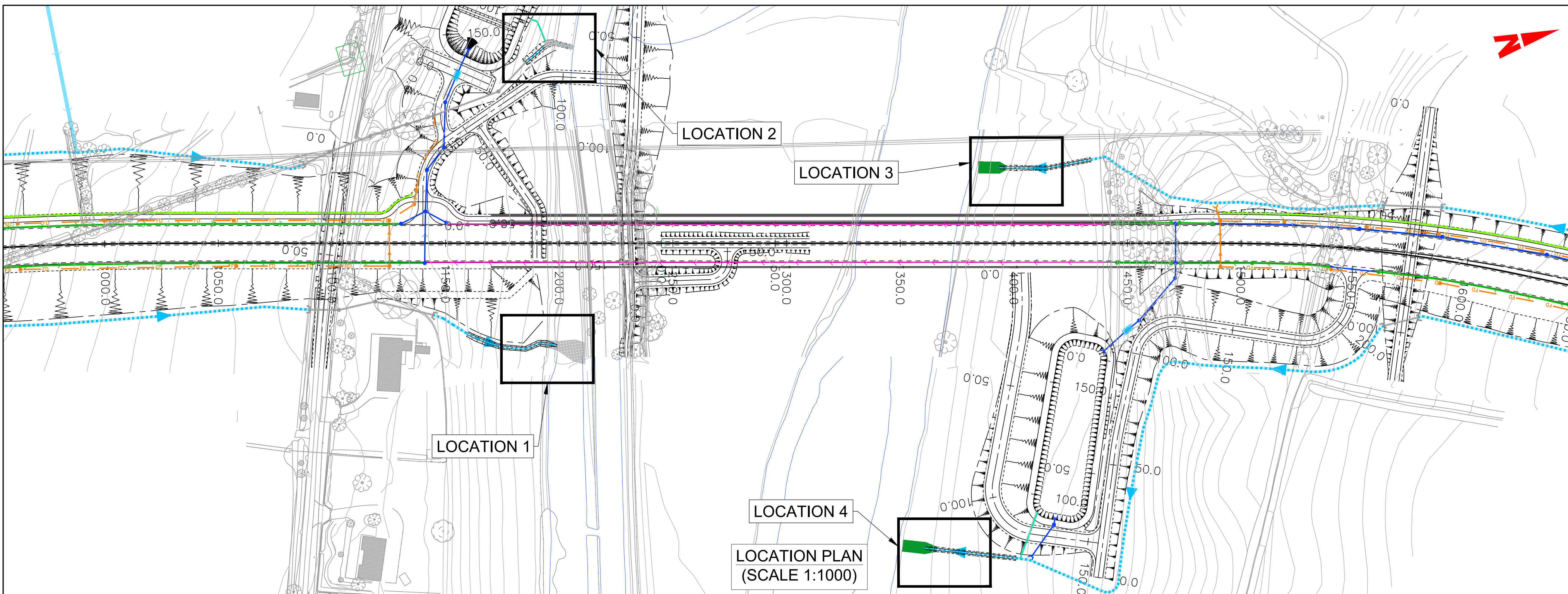
Title **PROPOSED DRAINAGE OUTFALL DETAILS SHEET 1 OF 2**

Drawing Number **DR1003** Status **A1** Rev **C01**

File Identifier **MDT0806-RPS-01-N2-DR-C-DR1003-DR1004**

R:\MDT0806_N2_Slane Bypass\8_C Drawings\DWG\DR\MDT0806-RPS-01-N2-DR-C-DR1003-DR1004 Outfall Detail.dwg

- NOTES:**
- All stormwater drainage to be in accordance with TII standards and specifications.
 - Refer to drawings MDT0806-RPS-01-N2-DR-C-DR0000 to DR0008 for drainage layouts.
 - Requirement for any scour protection or energy dissipation measures, to be provided along interceptor ditches, shall be determined at detailed design stage.
 - Exact type and extent of scour protection or energy dissipation measures, required at each outfall, shall be determined at detailed design stage.



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Project **N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME**

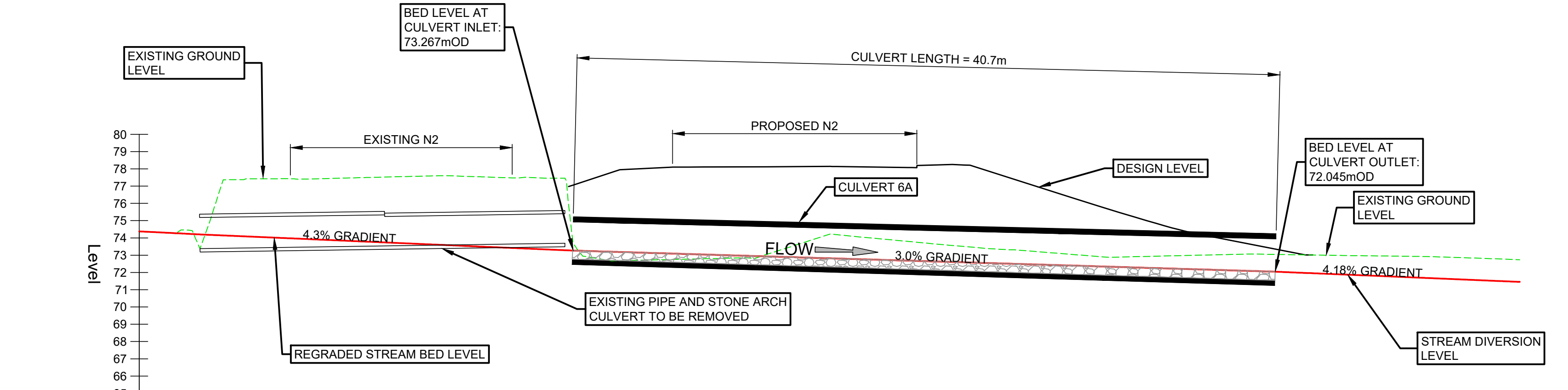
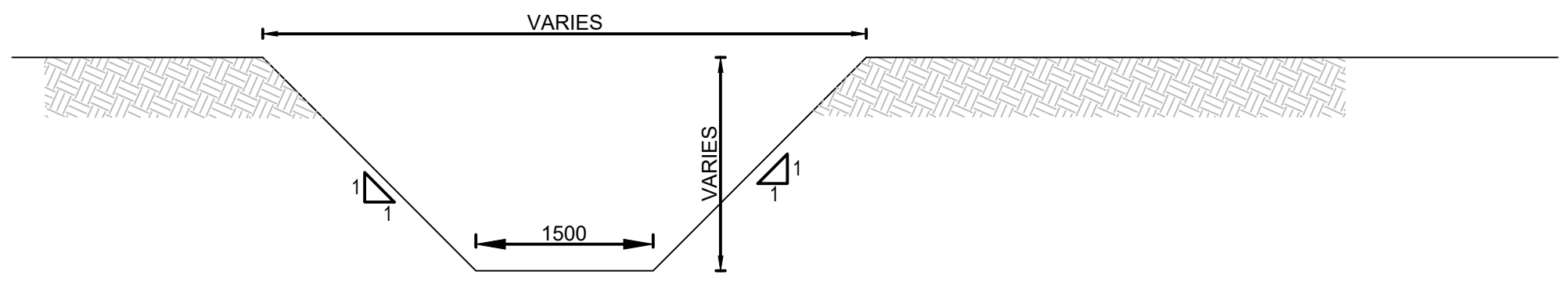
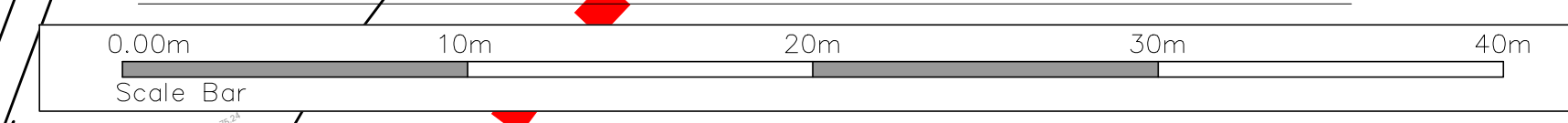
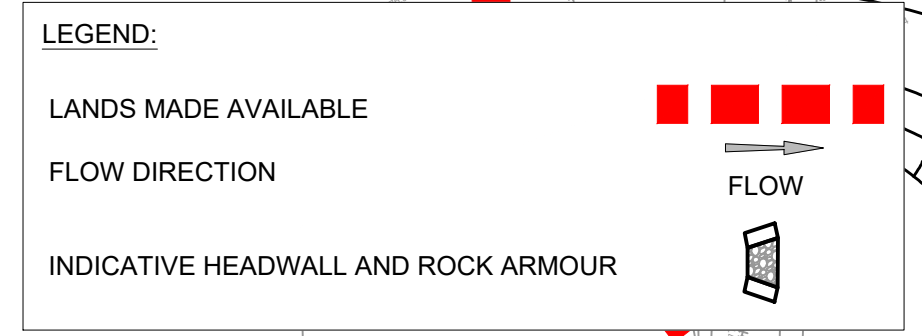
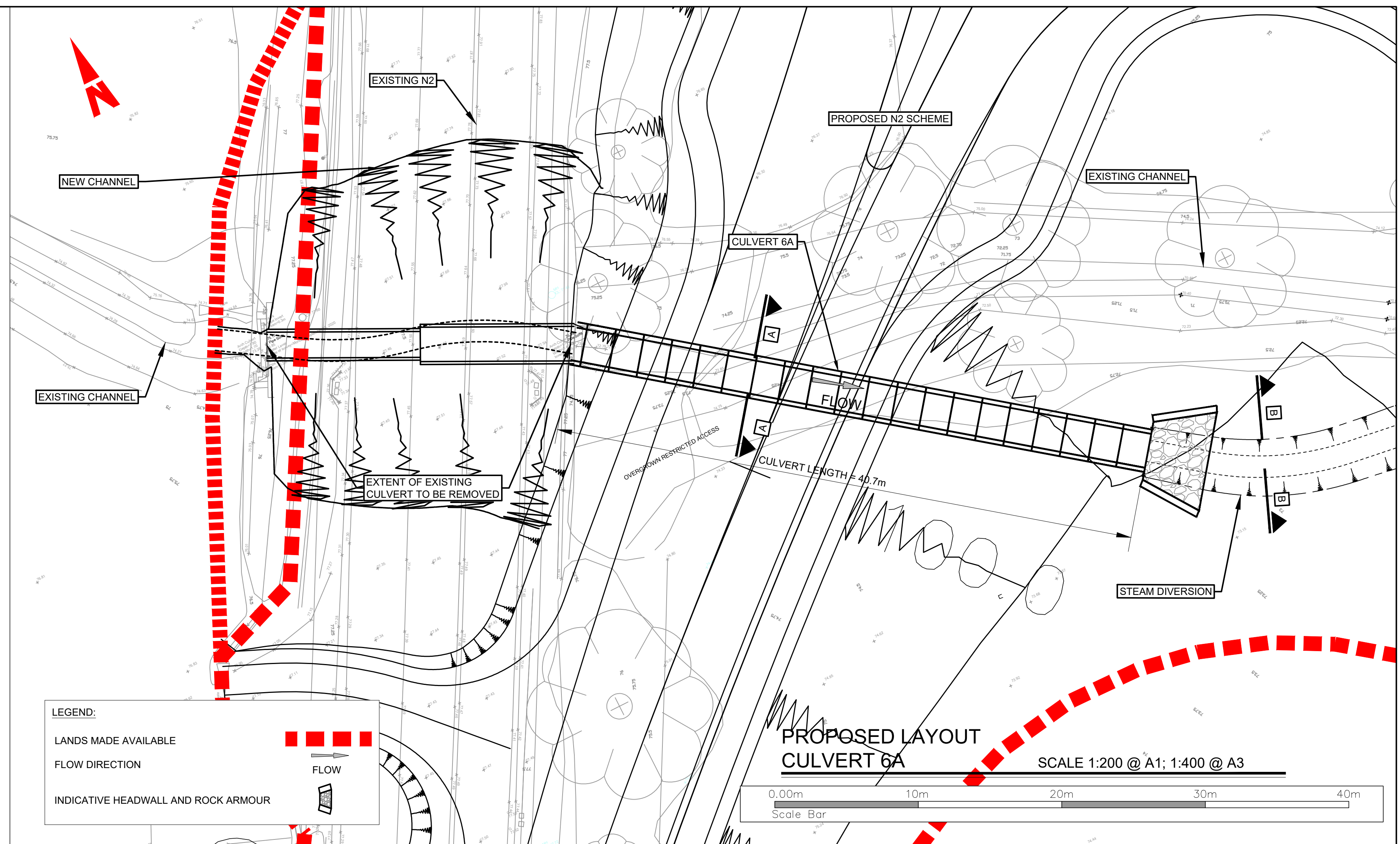
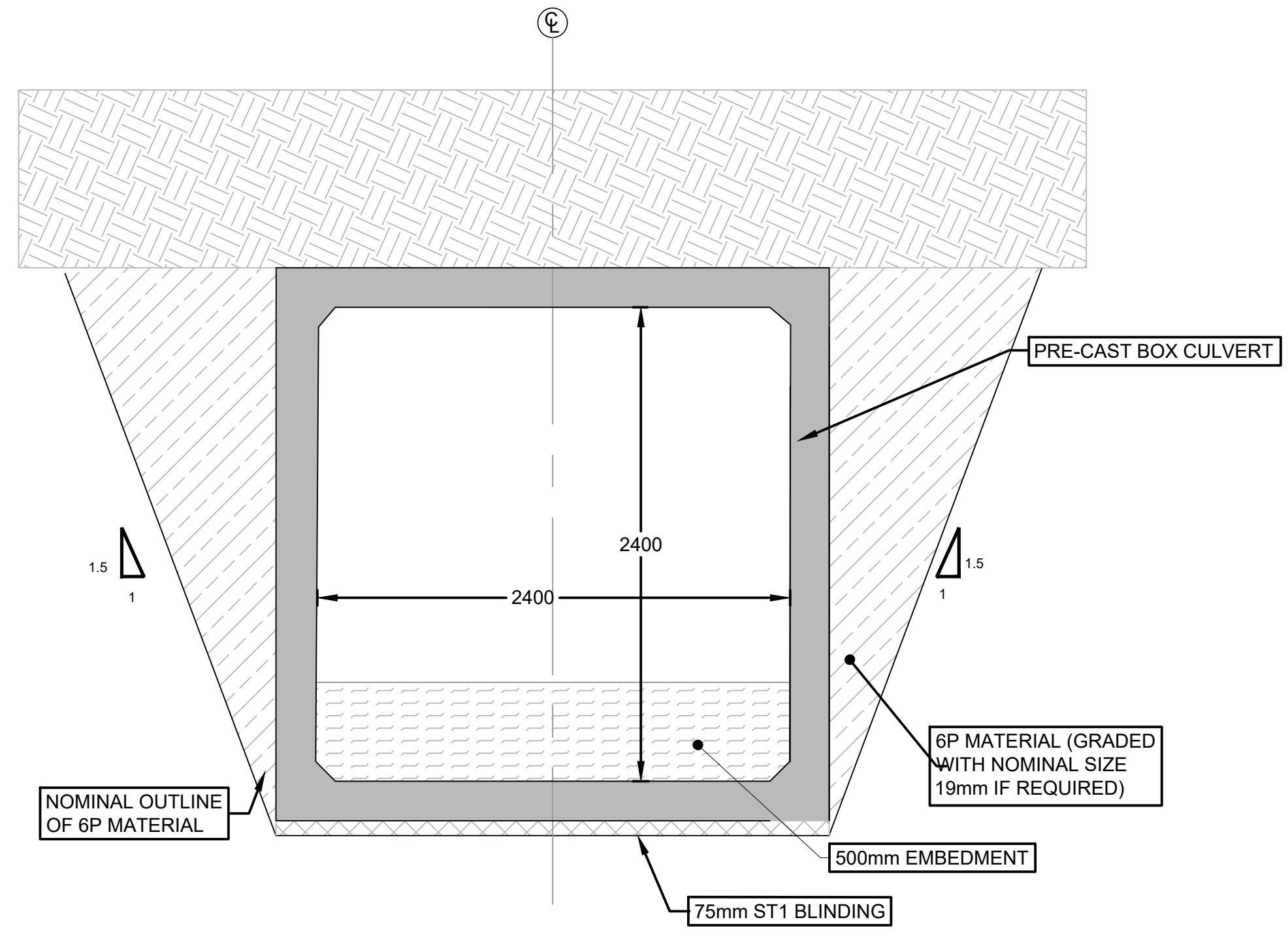
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Drawing Number **DR1004**

Status **A1**

Rev **C01**

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PROPOSED LEVELS	74.379	73.922	73.489	73.120	72.820	72.520	72.220	71.871	71.454
EXISTING LEVELS	74.379	71.416	71.531	72.730	74.213	73.335	72.966	72.978	72.739

R:\MDT0806_N2_Slaine Bypass\8_0 Drawings\DWG\DR\MDT0806-RPS-01-N2-DR-C-DR2001-DR2004 - Culverts 6A, 6B & 6C.dwg

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01 of 03

File Identifier
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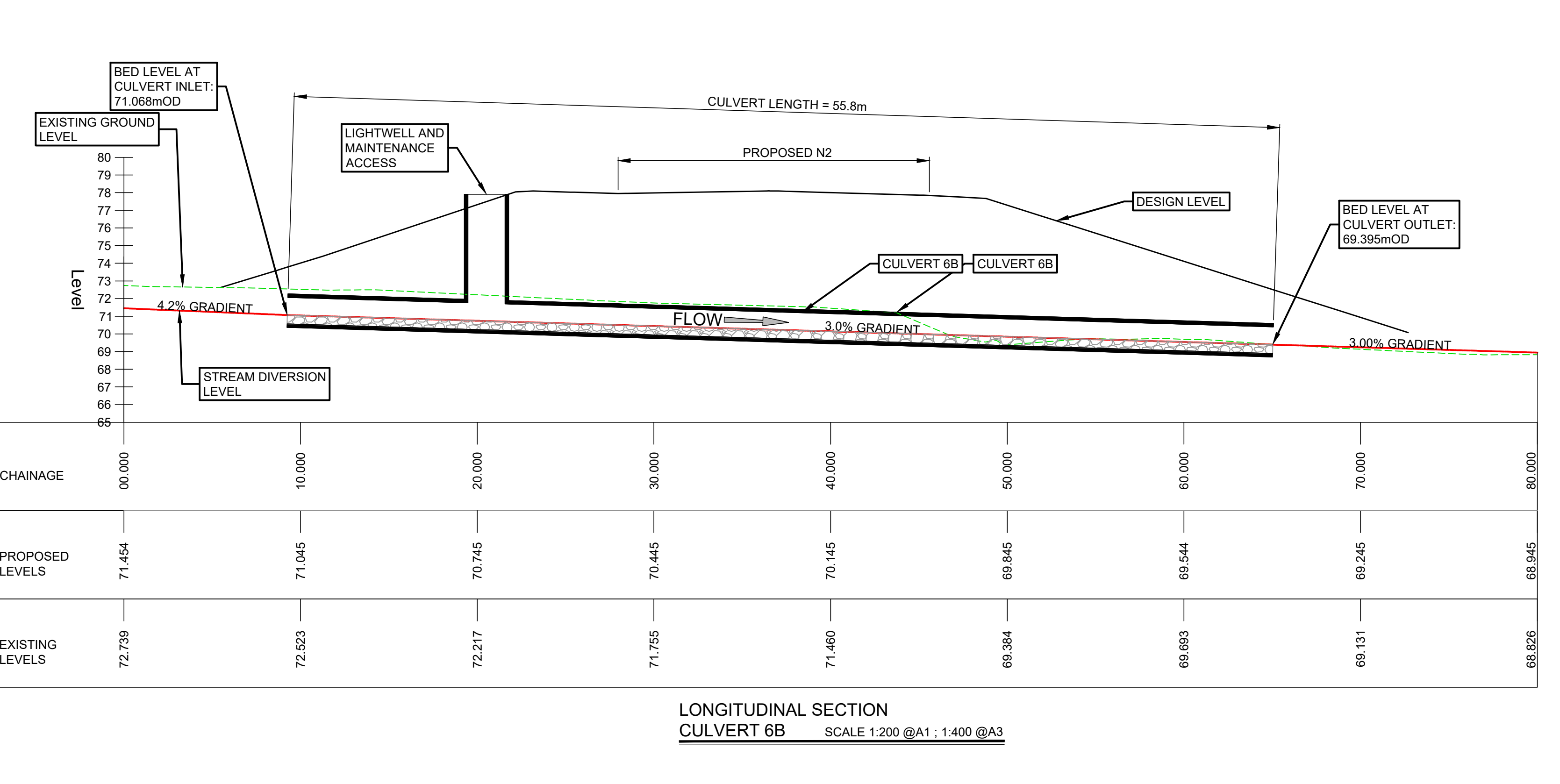
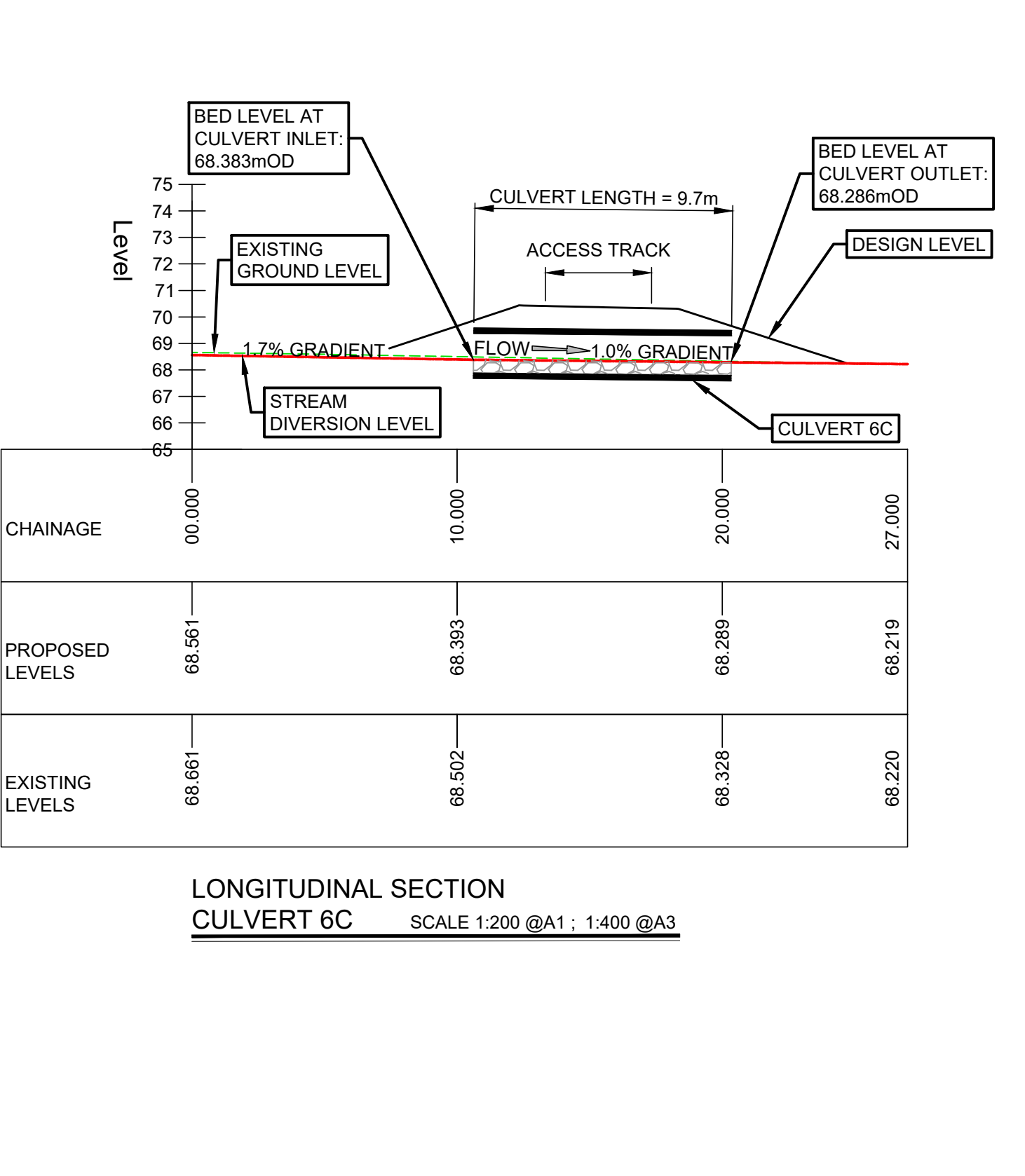
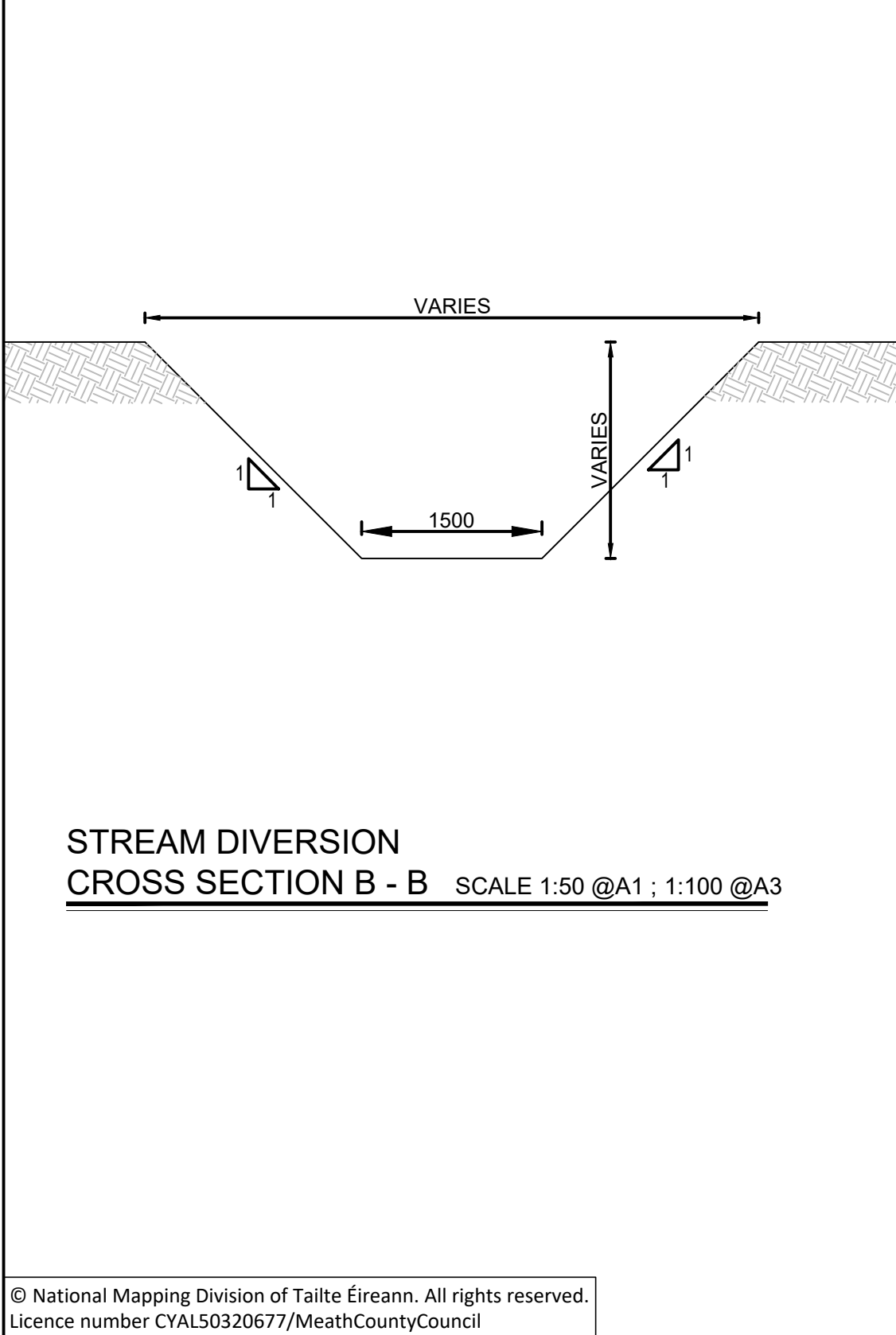
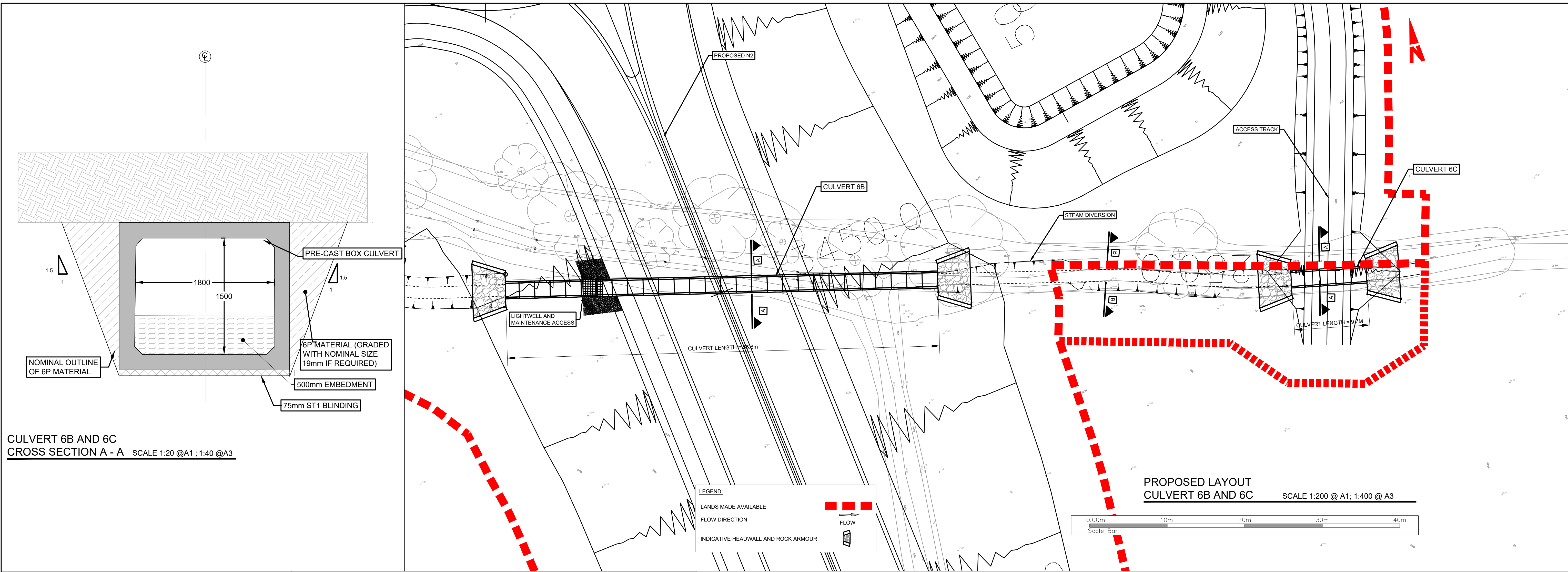
Project
**N2 SLANE BYPASS AND
PUBLIC REALM ENHANCEMENT SCHEME**

Title
CULVERTS 6A, 6B AND 6C
LAYOUT PLAN

Drawing Number
DR2001

Status
A1

Rev
C01



R:\MDT0806_N2_Slaine Bypass\8.0 Drawings\DR\MDT0806-RPS-01-N2-DR-C-DR2001-DR2004 - Culverts 6A, 6B & 6C.dwg

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 Sheets: 02 of 03

File Identifier: MDT0806-RPS-01-N2-DR-C-DR2001-DR2004

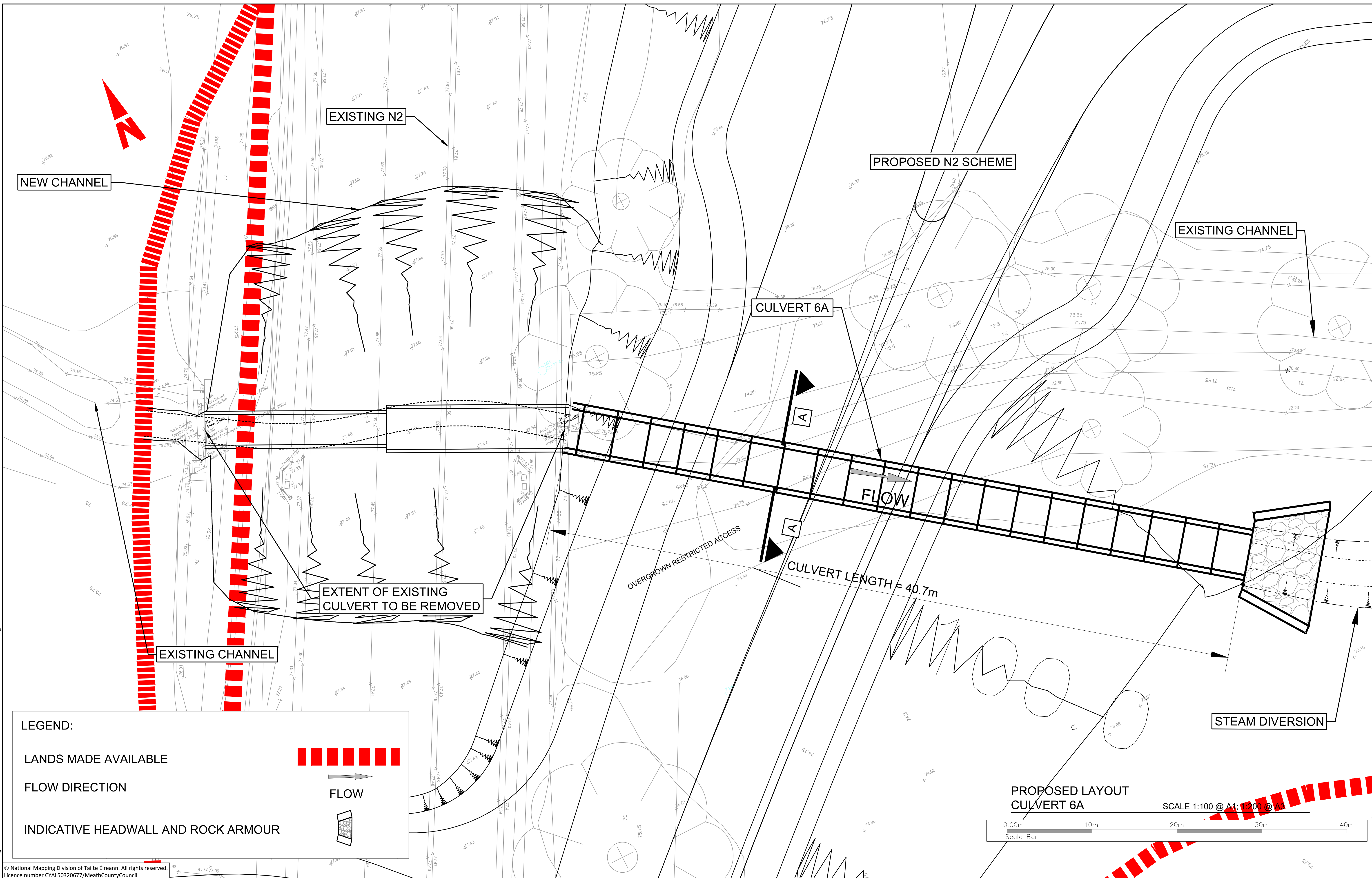
Project: **N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME**

Title: **CULVERTS 6A, 6B AND 6C LAYOUT PLAN**

Drawing Number: DR2002

Status: A1

Rev: C01



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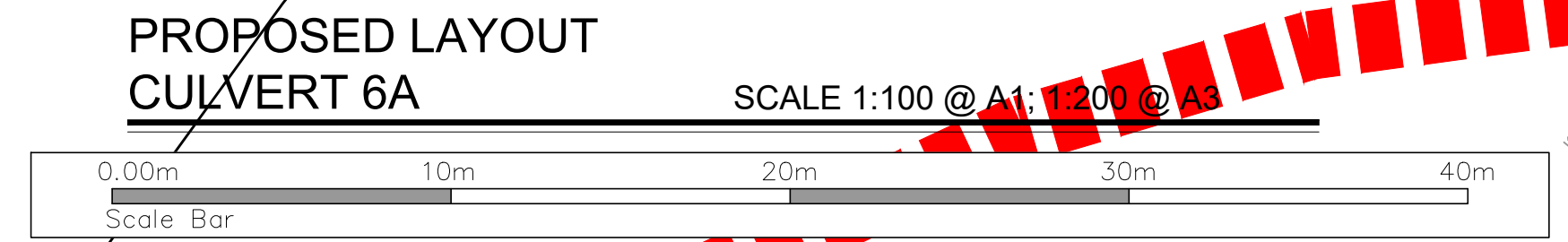
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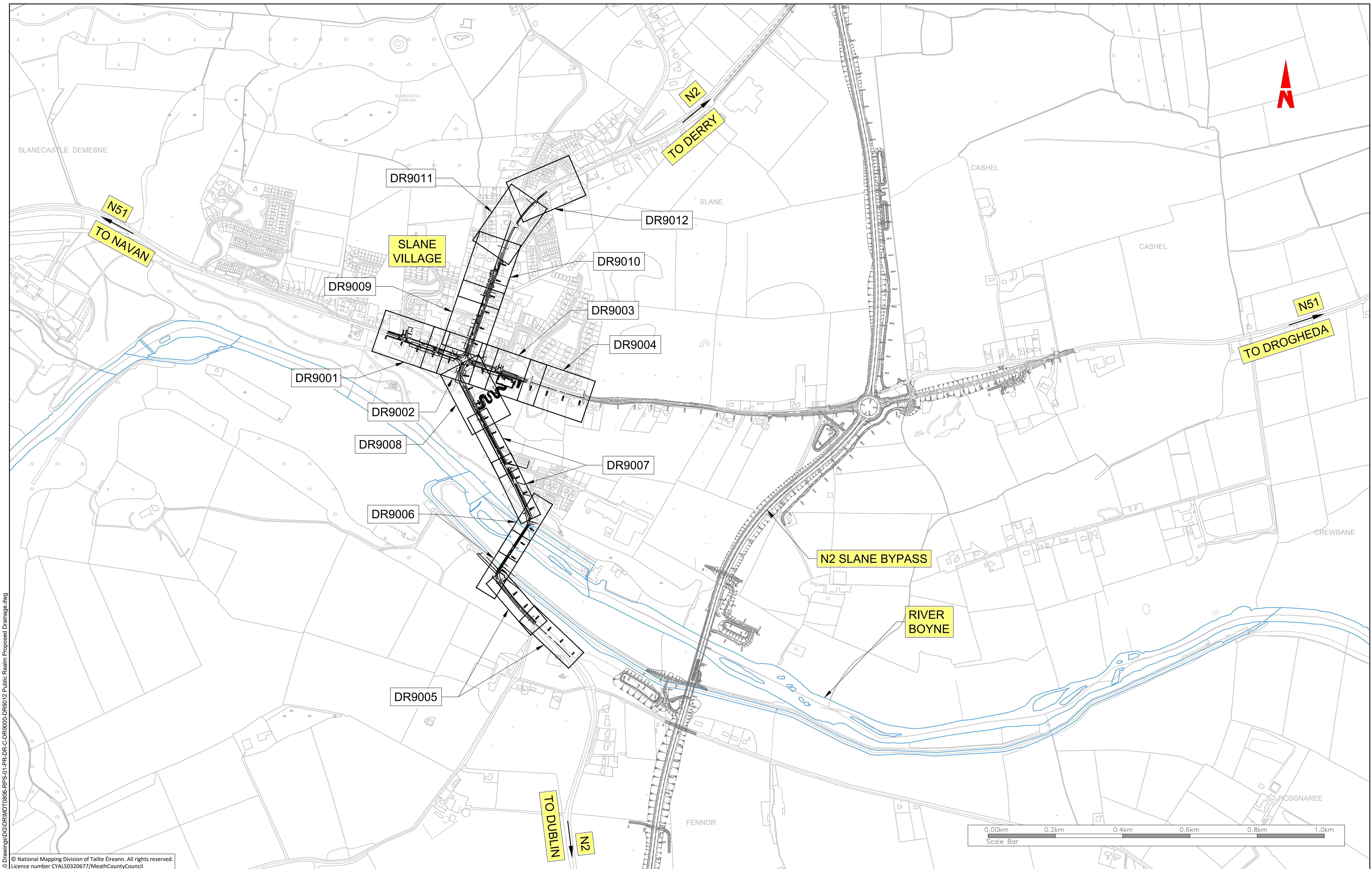
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Sheets	03 of 03

Project	N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME		
Title	CULVERT 6A DETAIL PLAN		
Drawing Number	DR2003	Status	A1
Rev	C01		



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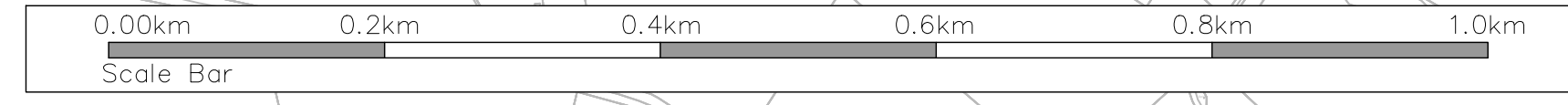
Rev	Date	Drawn By	Amendment / Issue	App
C01	14/06/23	MP	FINAL ISSUE	MP

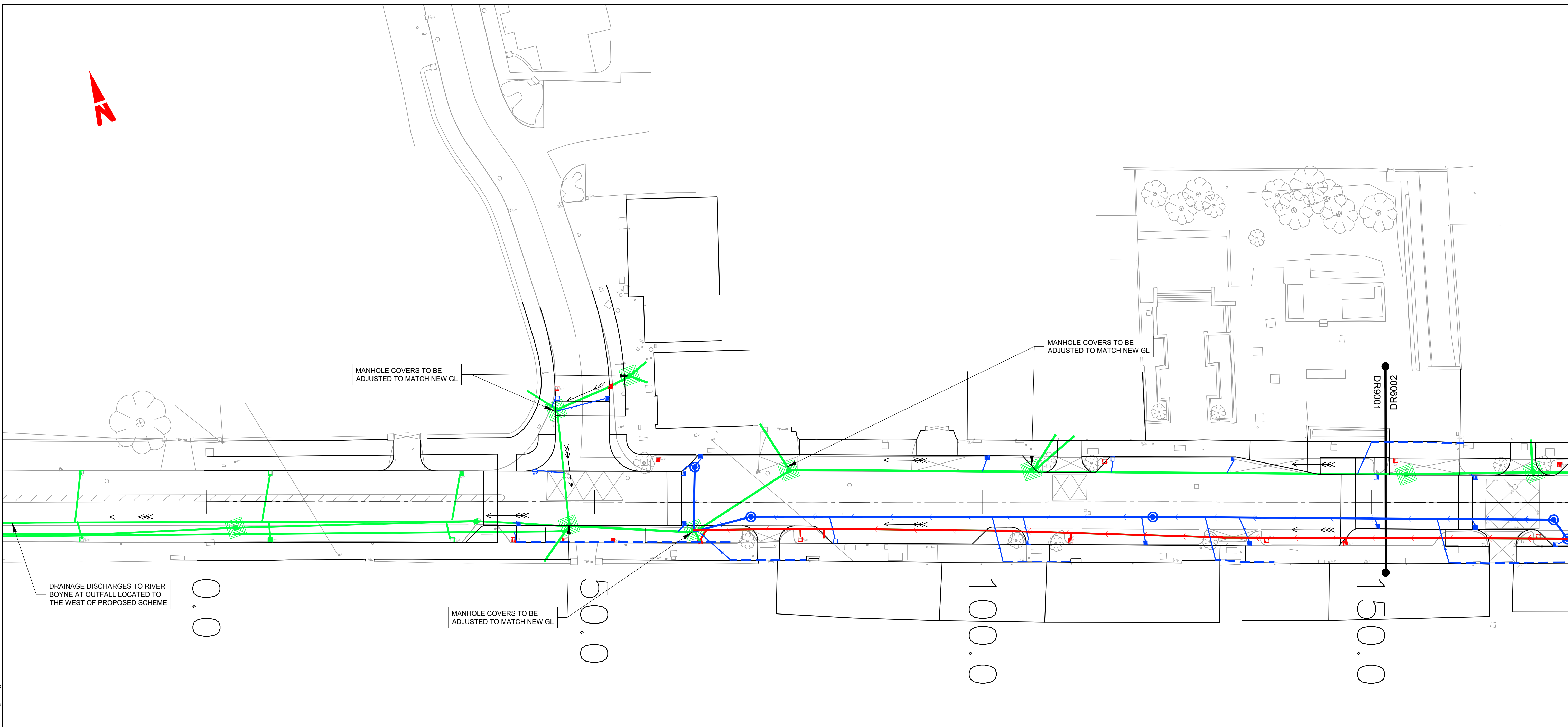
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Sheets	01 of 12

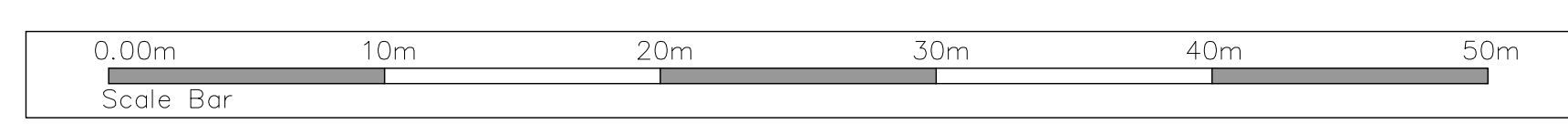
Project N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME		
Title PUBLIC REALM ENHANCEMENT AREA PROPOSED SURFACE WATER DRAINAGE INDEX PLAN OF SHEETS		
Drawing Number DR9000	Status A1	Rev C01





LEGEND

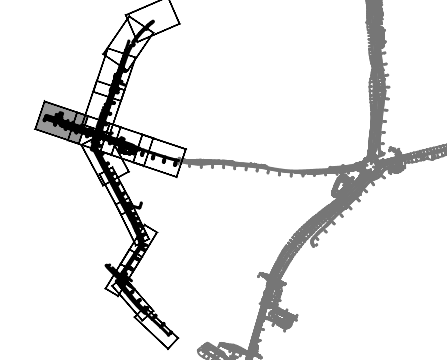
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- PROPOSED CARRIER DRAIN
- EXISTING CHAMBER TO BE RETAINED
- EXISTING CHAMBER TO BE REMOVED
- PROPOSED CHAMBER
- PROPOSED LINEAR DRAINAGE CHANNEL
- PROPOSED BYPASS OIL / FUEL SEPARATOR
- FLOW DIRECTION OF EXISTING DRAINAGE



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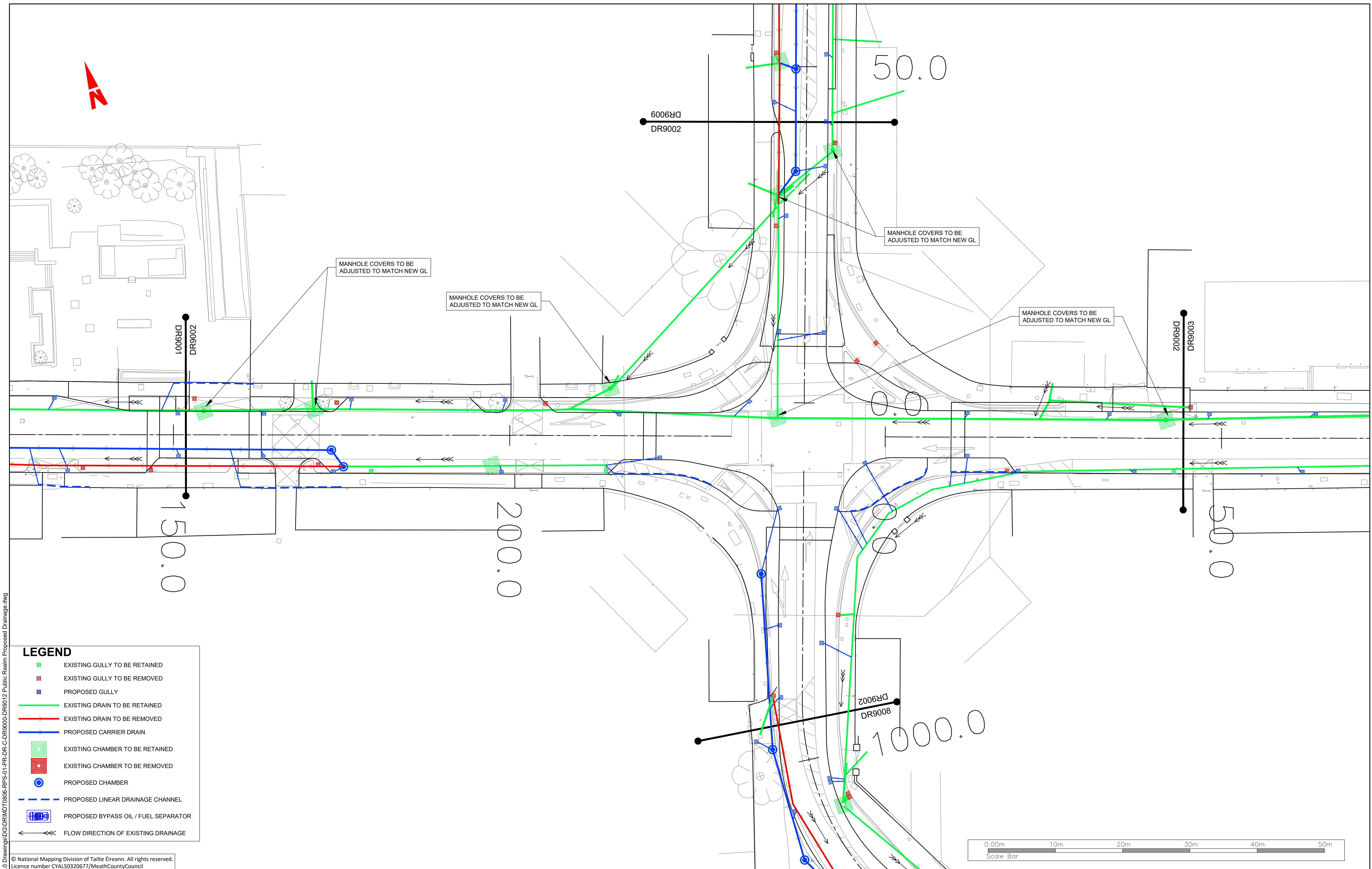
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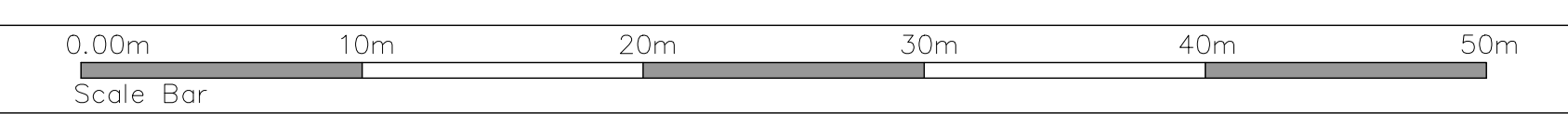
Project	N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME		
Title	PUBLIC REALM ENHANCEMENT AREA PROPOSED SURFACE WATER DRAINAGE SHEET 01 OF 12		
Drawing Number	DR9001	Status	A1
Rev	C01		

R:\MDT0806_N2_Slane Bypass\8_0 Drawings\DR\MDT0806-RPS-01-PR-DR-C-DR9000-DR9012 Public Realm Proposed Drainage.dwg



LEGEND

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- EXISTING GULLY TO BE REMOVED
- PROPOSED GULLY
- EXISTING DRAIN TO BE RETAINED
- EXISTING DRAIN TO BE REMOVED
- PROPOSED CARRIER DRAIN
- EXISTING CHAMBER TO BE RETAINED
- EXISTING CHAMBER TO BE REMOVED
- PROPOSED CHAMBER
- PROPOSED LINEAR DRAINAGE CHANNEL
- PROPOSED BYPASS OIL / FUEL SEPARATOR
- ← FLOW DIRECTION OF EXISTING DRAINAGE



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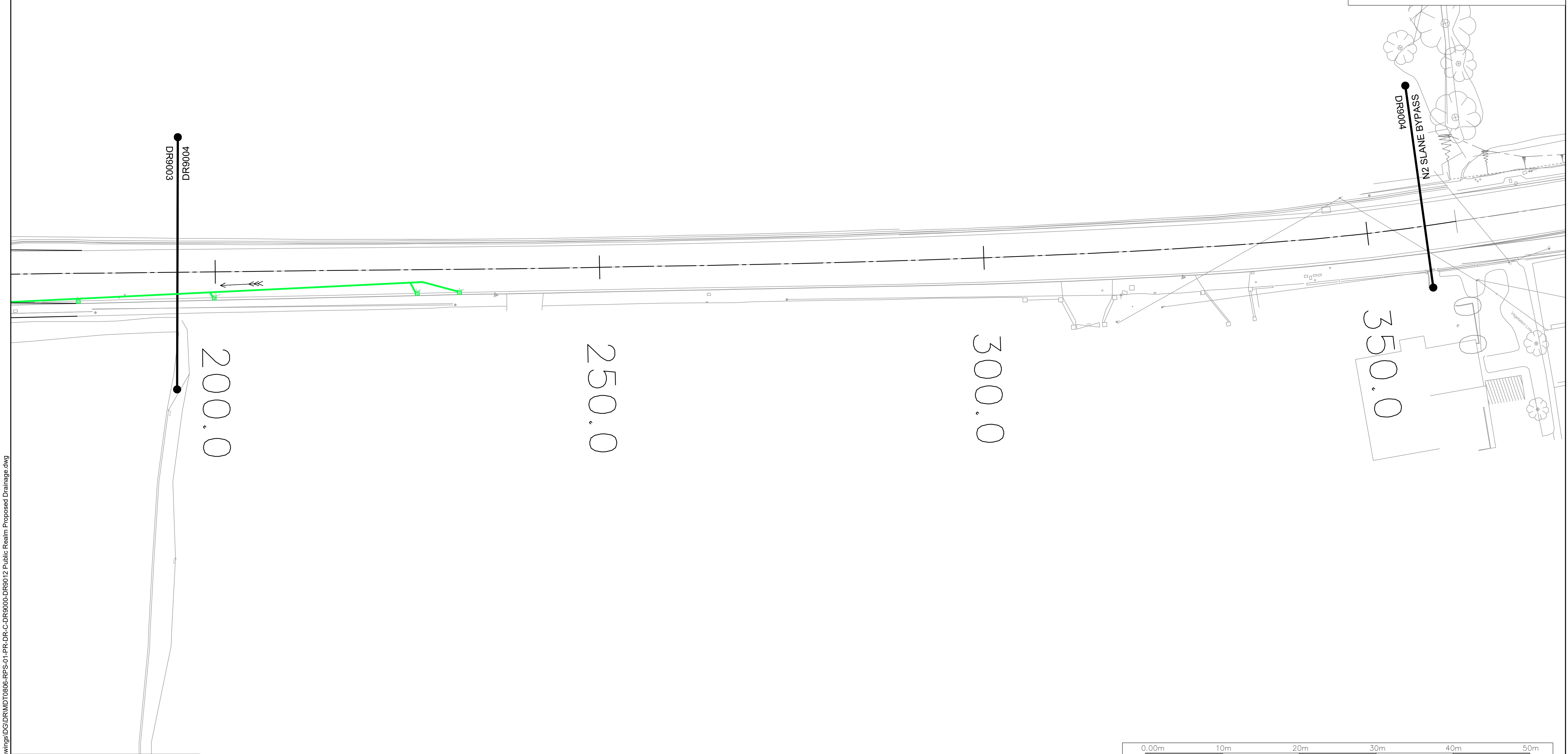
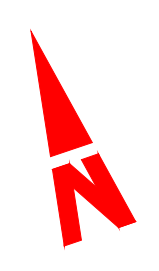
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Created on	02/11/2021
Sheets	02 of 12

Project N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME		
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Drawing Number DR9002	Status A1	Rev C01

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LEGEND

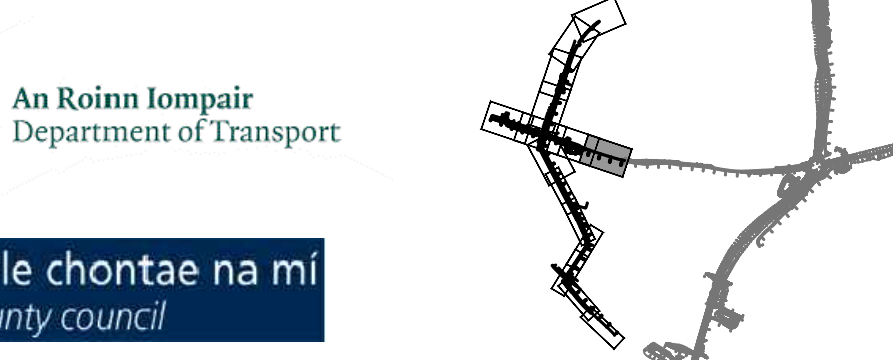
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	EXISTING DRAIN TO BE RETAINED
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	PROPOSED CARRIER DRAIN
	EXISTING CHAMBER TO BE RETAINED
	EXISTING CHAMBER TO BE REMOVED
	PROPOSED CHAMBER
	PROPOSED LINEAR DRAINAGE CHANNEL
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Sheets	04 of 12

Project N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME		
Title PUBLIC REALM ENHANCEMENT AREA PROPOSED SURFACE WATER DRAINAGE SHEET 04 OF 12		
Drawing Number DR9004	Status A1	Rev C01



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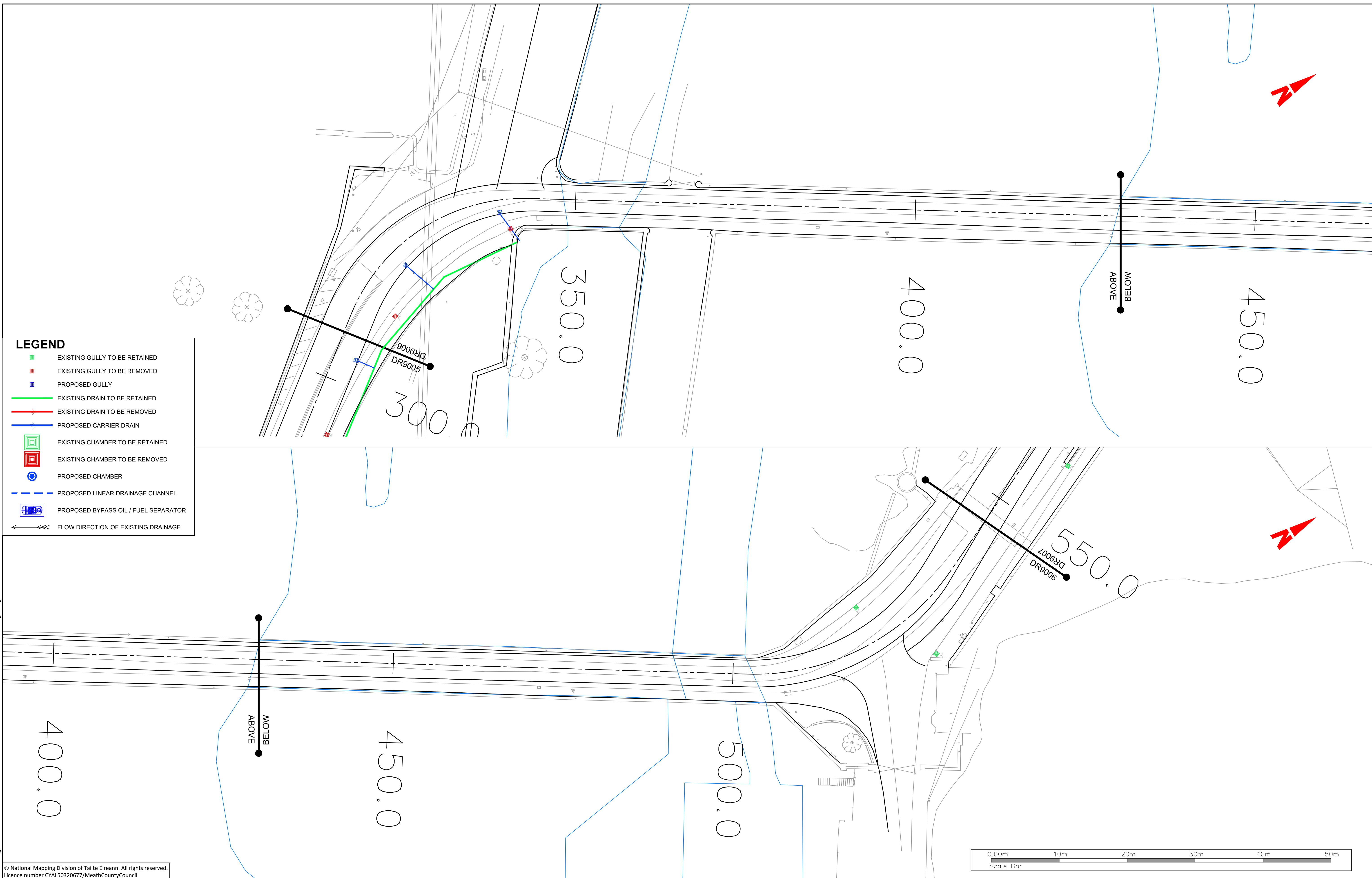
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Sheets	05 of 12

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Title PUBLIC REALM ENHANCEMENT AREA PROPOSED SURFACE WATER DRAINAGE SHEET 05 OF 12		
Drawing Number DR9005	Status A1	Rev C01

File Identifier
MDT0806-RPS-01-PR-DR-C-DR9000-DR9012



LEGEND

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- PROPOSED GULLY
- EXISTING DRAIN TO BE RETAINED
- EXISTING DRAIN TO BE REMOVED
- PROPOSED CARRIER DRAIN
- EXISTING CHAMBER TO BE RETAINED
- EXISTING CHAMBER TO BE REMOVED
- PROPOSED CHAMBER
- PROPOSED LINEAR DRAINAGE CHANNEL
- PROPOSED BYPASS OIL / FUEL SEPARATOR
- ← FLOW DIRECTION OF EXISTING DRAINAGE

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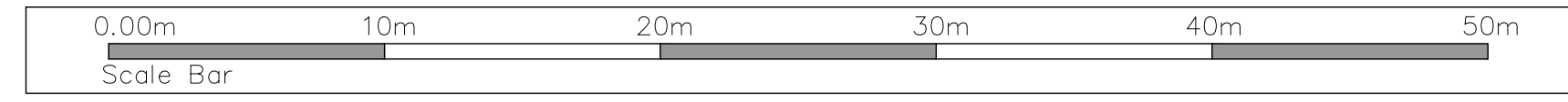
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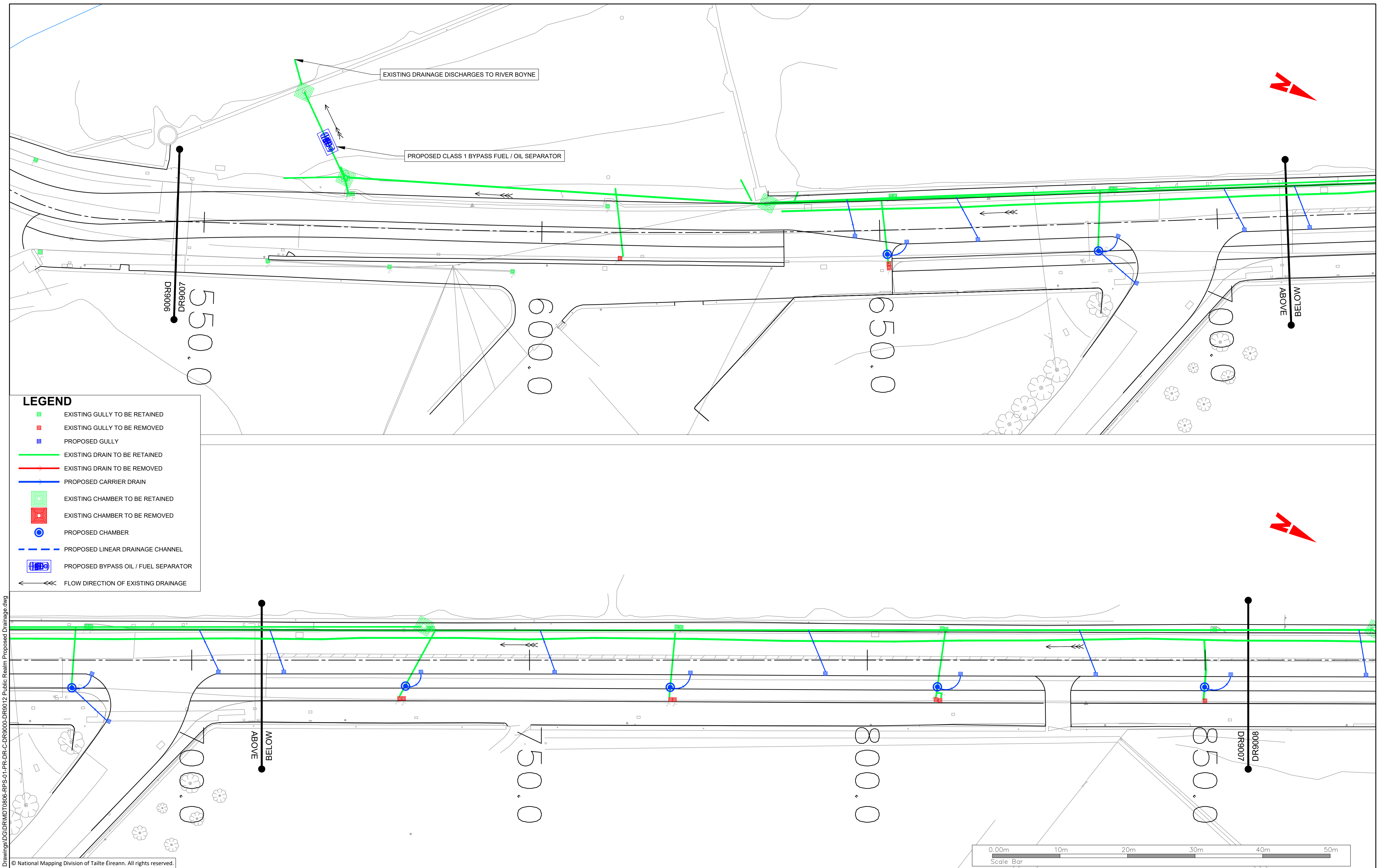
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Project	N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME		
Title	PUBLIC REALM ENHANCEMENT AREA PROPOSED SURFACE WATER DRAINAGE SHEET 06 OF 12		
Drawing Number	DR9006	Status	A1
Rev	C01		





LEGEND

- EXISTING GULLY TO BE RETAINED
- EXISTING GULLY TO BE REMOVED
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- PROPOSED CARRIER DRAIN
- EXISTING CHAMBER TO BE RETAINED
- EXISTING CHAMBER TO BE REMOVED
- PROPOSED CHAMBER
- PROPOSED LINEAR DRAINAGE CHANNEL
- PROPOSED BYPASS OIL / FUEL SEPARATOR
- ← FLOW DIRECTION OF EXISTING DRAINAGE

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07 of 12

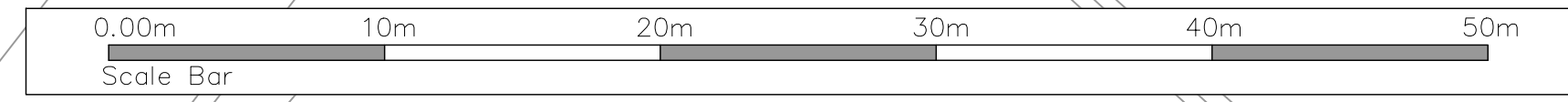
Project
N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME

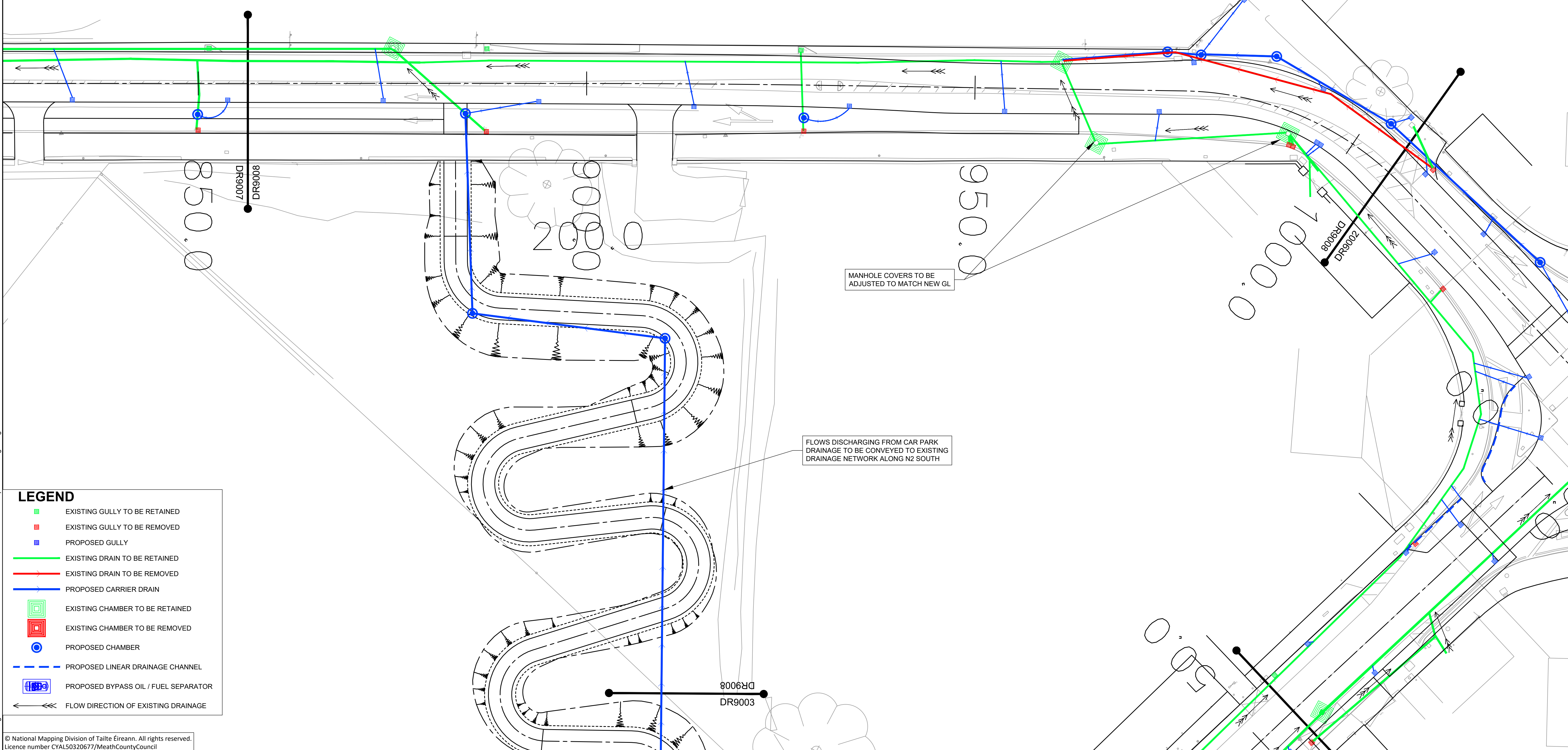
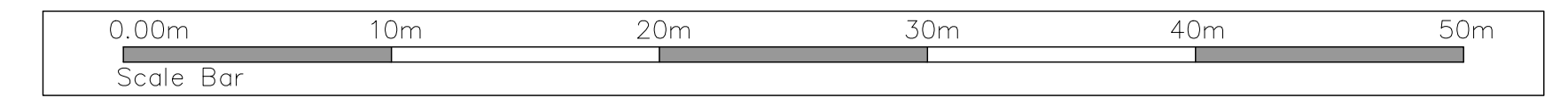
Title
PUBLIC REALM ENHANCEMENT AREA
PROPOSED SURFACE WATER DRAINAGE
SHEET 07 OF 12

Drawing Number
DR9007

Status
A1

Rev
C01





LEGEND

- EXISTING GULLY TO BE RETAINED
- EXISTING GULLY TO BE REMOVED
- PROPOSED GULLY
- EXISTING DRAIN TO BE RETAINED
- EXISTING DRAIN TO BE REMOVED
- PROPOSED CARRIER DRAIN
- EXISTING CHAMBER TO BE RETAINED
- EXISTING CHAMBER TO BE REMOVED
- PROPOSED CHAMBER
- PROPOSED LINEAR DRAINAGE CHANNEL
- PROPOSED BYPASS OIL / FUEL SEPARATOR
- FLOW DIRECTION OF EXISTING DRAINAGE

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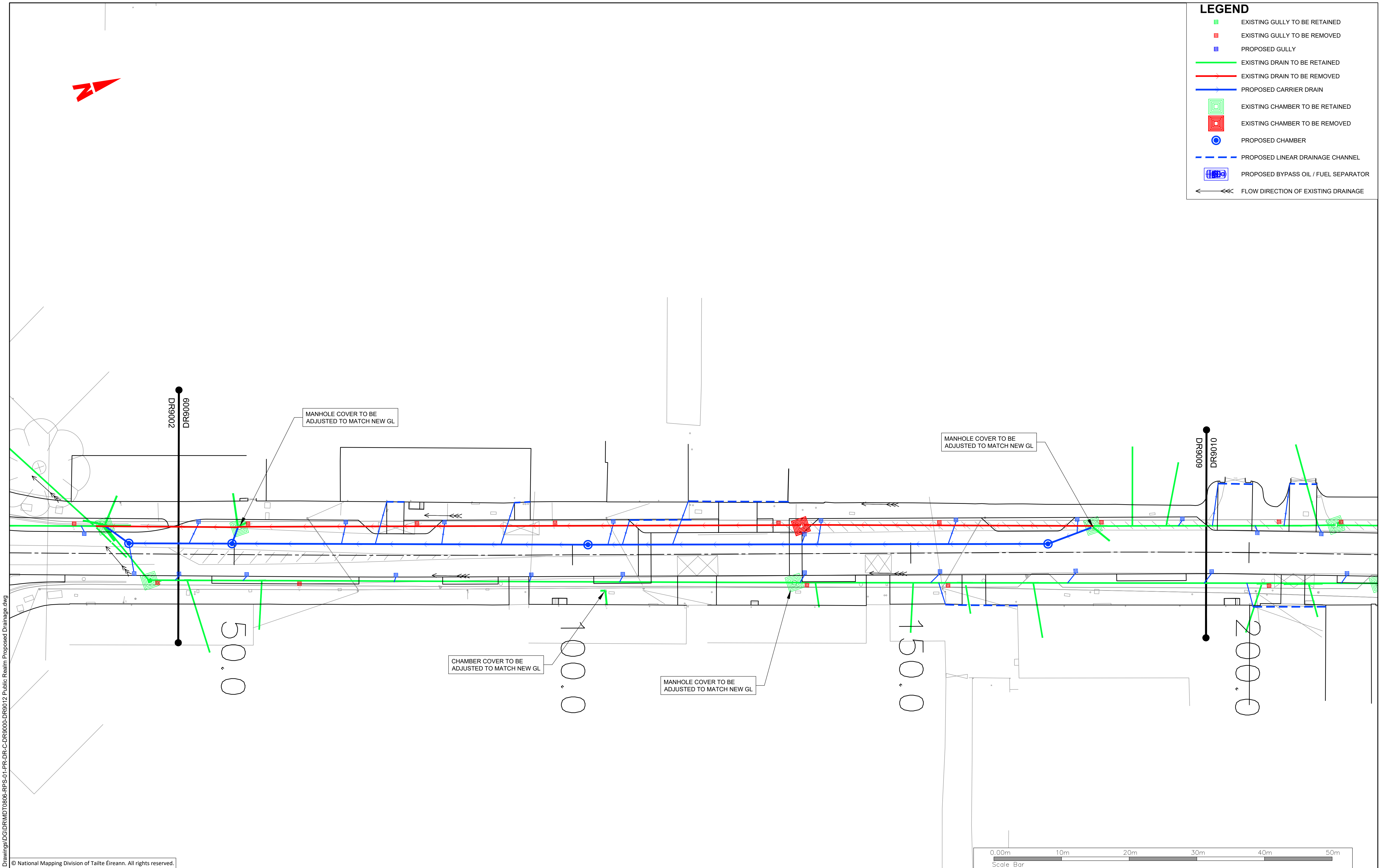
Scale	1:250 @ A1 1:500 @ A3
Created on	02/11/2021
Sheets	08 of 12

Project	N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME		
Title	PUBLIC REALM ENHANCEMENT AREA PROPOSED SURFACE WATER DRAINAGE SHEET 08 OF 12		
Drawing Number	DR9008	Status	A1
Rev	C01		

File Identifier
MDT0806-RPS-01-PR-DR-C-DR9000-DR9012

LEGEND

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- EXISTING DRAIN TO BE RETAINED
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- PROPOSED CARRIER DRAIN
- EXISTING CHAMBER TO BE RETAINED
- EXISTING CHAMBER TO BE REMOVED
- PROPOSED CHAMBER
- PROPOSED LINEAR DRAINAGE CHANNEL
- PROPOSED BYPASS OIL / FUEL SEPARATOR
- ←← FLOW DIRECTION OF EXISTING DRAINAGE



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Created on	02/11/2021
Sheets	09 of 12

Project

N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME

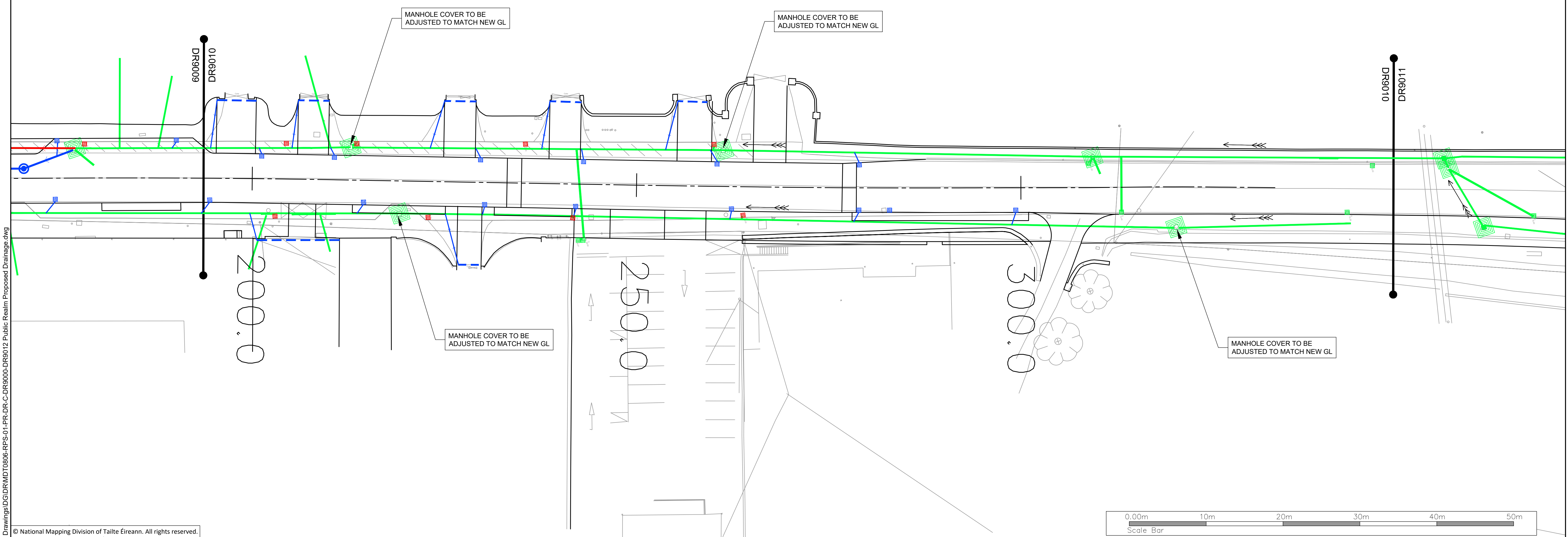
Title

PUBLIC REALM ENHANCEMENT AREA
PROPOSED SURFACE WATER DRAINAGE
SHEET 09 OF 12

Drawing Number	Status	Rev
DR9009	A1	C01



LEGEND	
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	EXISTING GULLY TO BE REMOVED
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	PROPOSED CHAMBER
	PROPOSED LINEAR DRAINAGE CHANNEL
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Scale	1:250 @ A1 1:500 @ A3
Created on	02/11/2021
Sheets	10 of 12

Project N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME		
Title PUBLIC REALM ENHANCEMENT AREA PROPOSED SURFACE WATER DRAINAGE SHEET 10 OF 12		
Drawing Number DR9010	Status A1	Rev C01

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LEGEND	
	EXISTING GULLY TO BE RETAINED
	EXISTING GULLY TO BE REMOVED
	PROPOSED GULLY
	EXISTING DRAIN TO BE RETAINED
	EXISTING DRAIN TO BE REMOVED
	PROPOSED CARRIER DRAIN
	EXISTING CHAMBER TO BE RETAINED
	EXISTING CHAMBER TO BE REMOVED
	PROPOSED CHAMBER
	PROPOSED LINEAR DRAINAGE CHANNEL
	PROPOSED BYPASS OIL / FUEL SEPARATOR
	FLOW DIRECTION OF EXISTING DRAINAGE

01099C
DR9010

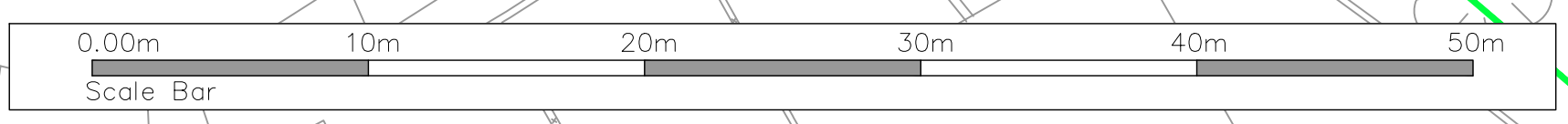
DR9011

MANHOLE COVER TO BE ADJUSTED TO MATCH NEW GL

MANHOLE COVER TO BE ADJUSTED TO MATCH NEW GL

MANHOLE COVER TO BE ADJUSTED TO MATCH NEW GL

11099C
DR9012



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Rev	Date	Drn Cnk	Amendment / Issue	App
C01	14/06/23	MP	FINAL ISSUE	MP

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Project N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME		
Title PUBLIC REALM ENHANCEMENT AREA PROPOSED SURFACE WATER DRAINAGE SHEET 11 OF 12		
Drawing Number DR9011	Status A1	Rev C01

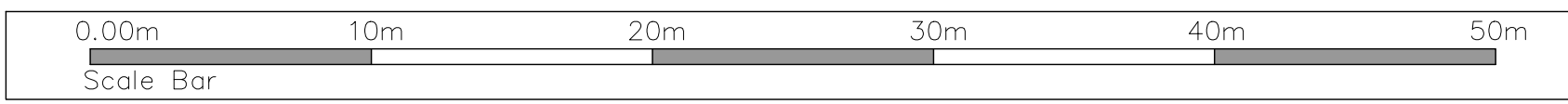
File Identifier
MDT0806-RPS-01-PR-DR-C-DR9000-DR9012

LEGEND	
	EXISTING GULLY TO BE RETAINED
	EXISTING GULLY TO BE REMOVED
	PROPOSED GULLY
	EXISTING DRAIN TO BE RETAINED
	EXISTING DRAIN TO BE REMOVED
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	PROPOSED CHAMBER
	PROPOSED LINEAR DRAINAGE CHANNEL
	PROPOSED BYPASS OIL / FUEL SEPARATOR
	FLOW DIRECTION OF EXISTING DRAINAGE



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Rev	Date	Drawn By	Amendment / Issue	App
C01	14/06/23	MRD	FINAL ISSUE	MM

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Sheets	12 of 12

Project N2 SLANE BYPASS AND PUBLIC REALM ENHANCEMENT SCHEME		
Title PUBLIC REALM ENHANCEMENT AREA PROPOSED SURFACE WATER DRAINAGE SHEET 12 OF 12		
Drawing Number DR9012	Status A1	Rev C01

File Identifier
MDT0806-RPS-01-PR-DR-C-DR9000-DR9012