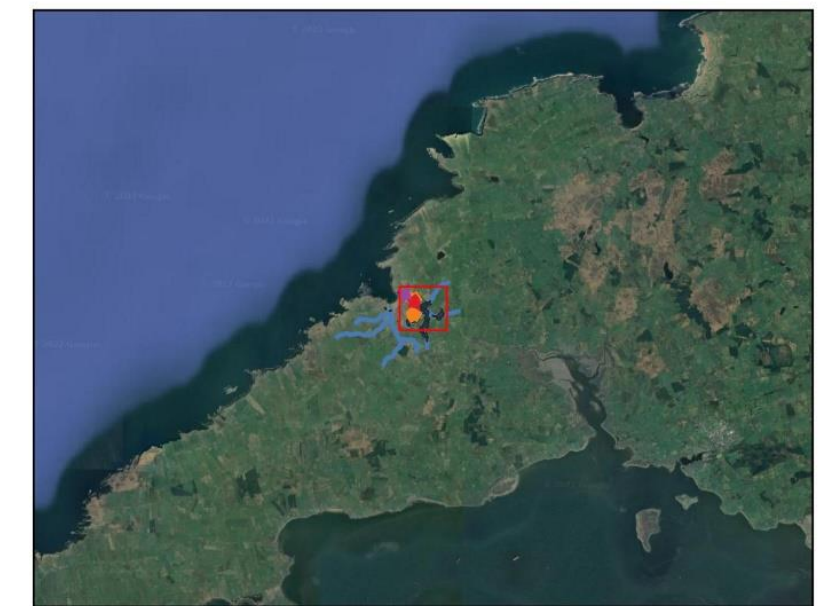
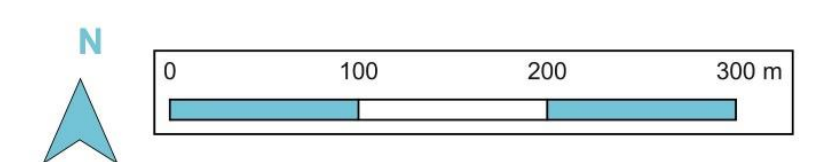
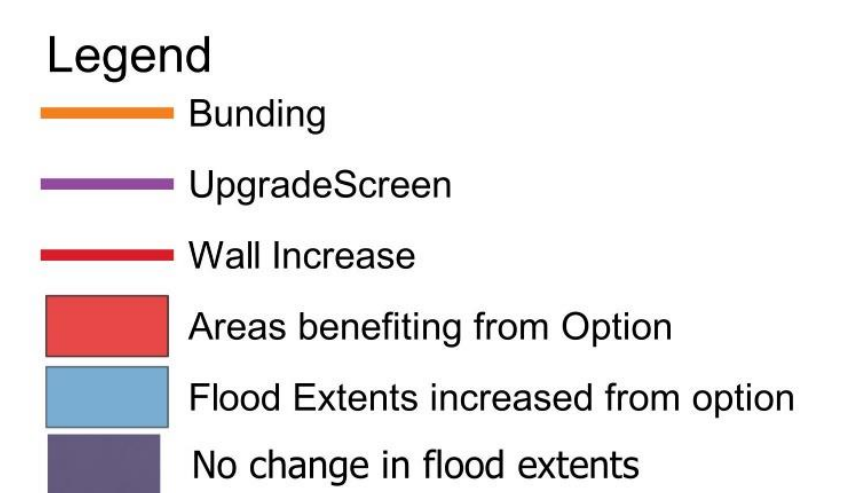


Atlantic Stream Option 1

Containment



Atlantic Stream Option 1



Drawn By: CD Date: 05/07/2022 Scale: 1:3,584
 Checked By: CJW Date: 05/07/2022 Original at A2
 Approved By: CJW Date: 05/07/2022
 Status: S1 Revision: P01
 Figure Title: Atlantic Stream Option 1

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What's involved?

- Redesign of trash screen on outfall culvert
- Increase in height of wall at Dun an Oir housing estate
- Bunding along Sandpark Caravan Park
- Bunding at the rear of Kilkee Bay Hotel

Benefits

- Proposed defences protect a number of properties from flooding

Constraints

- Increases flood extents upstream of the Kilkee Bay Hotel, however this area is greenspace so has no risk receptors



1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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- REPORTING POINTS
- TRASH SCREEN UPGRADE
- WALL HEIGHT INCREASE
- BUNDING
- WATERCOURSE
- 100 YEAR FLUVIAL POST SCHEME FLOOD EXTENTS

REPORTING POINTS	OPTION	WATER LEVEL	DEFENCE LEVEL
P1	1	7.05mOD	—
P2	1	9.46mOD	9.86mOD
P3	1	9.47mOD	9.77mOD
P4	1	11.24mOD	11.64mOD

P02	Comments	PUBLIC PARTICIPATION DAY.								
Rev.:	Date	16/08/22	Drawn	DM	Designed	DM	Checked	CJW	Approved	CJW
P01	Comments	INITIAL ISSUE								
Rev.:	Date	21/06/22	Drawn	DM	Designed	DM	Checked	CJW	Approved	CJW

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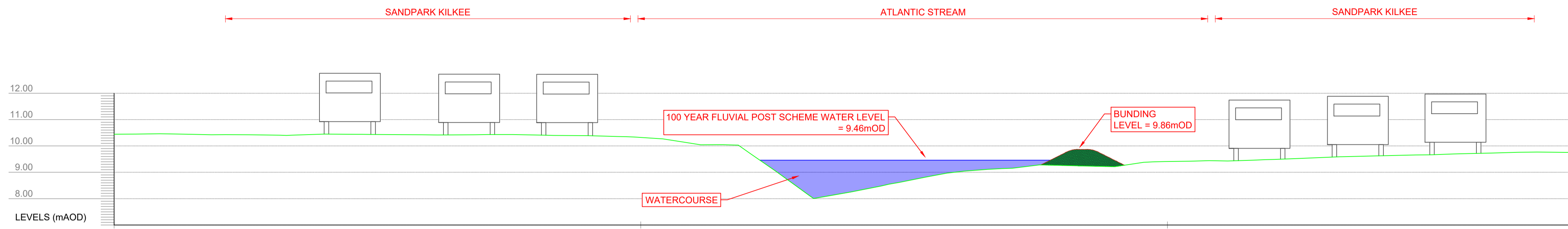
Project
KILKEE FLOOD RELIEF SCHEME

Title
ATLANTIC STREAM MEASURES
OPTION 1

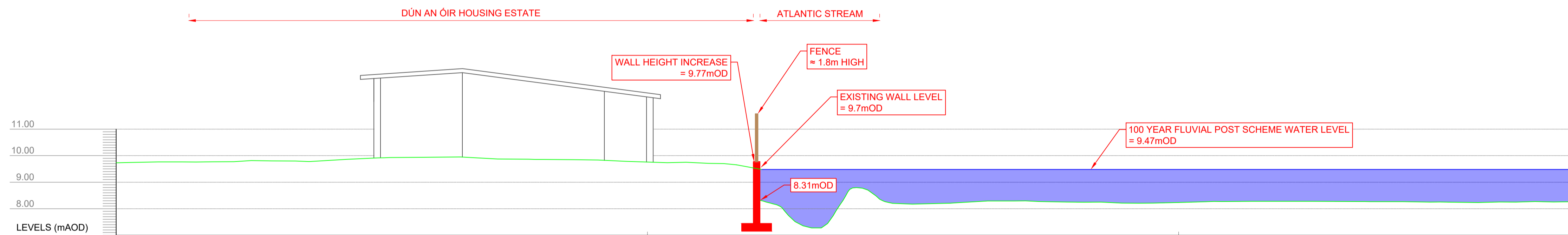
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for
CLARE COUNTY COUNCIL

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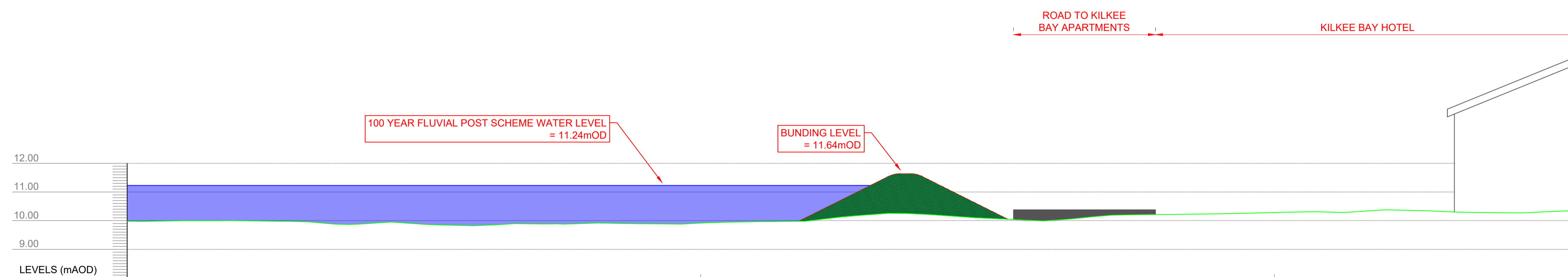
Drawn:	DM	21/06/2022	Designed:	DM	21/06/2022
Checked:	CJW	21/06/2022	Approved:	CJW	21/06/2022
Project Reference:	2019s1431 / CGD		Scale:	1:2000 @ A1	
Drawing Number:	19109-JBAI-XX-DR-C-02050	Status:	S3	Revision:	P02
		Sheet Size:	A1		



SECTION A-A : SANDPARK KILKEE
SCALE 1:100



SECTION B-B : DÚN AN ÓIR HOUSING ESTATE
SCALE 1:100



SECTION C-C : KILKEE BAY HOTEL
SCALE 1:100

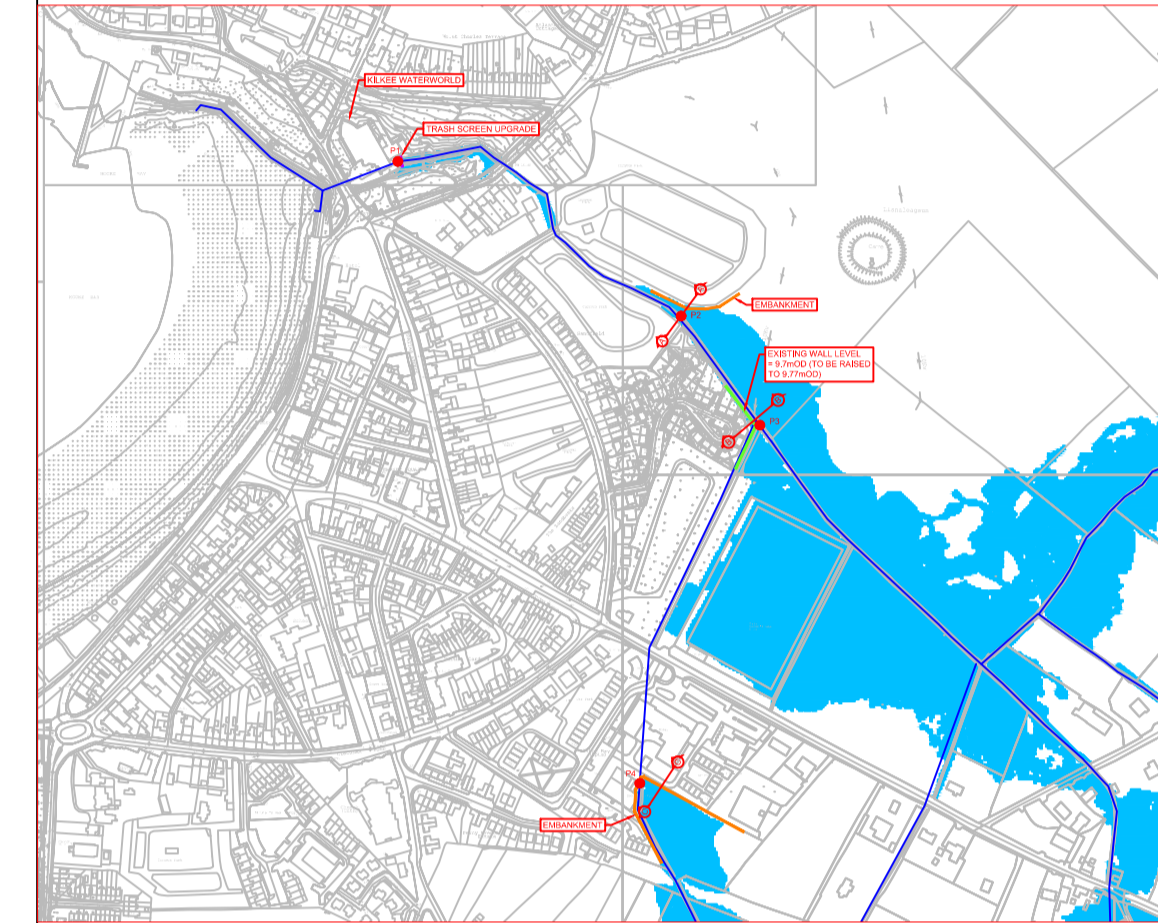
1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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P02	Comments	PUBLIC PARTICIPATION DAY								
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Project
KILKEE FLOOD RELIEF SCHEME

Title
**ATLANTIC STREAM MEASURES
 CROSS SECTIONS - OPTION 1**

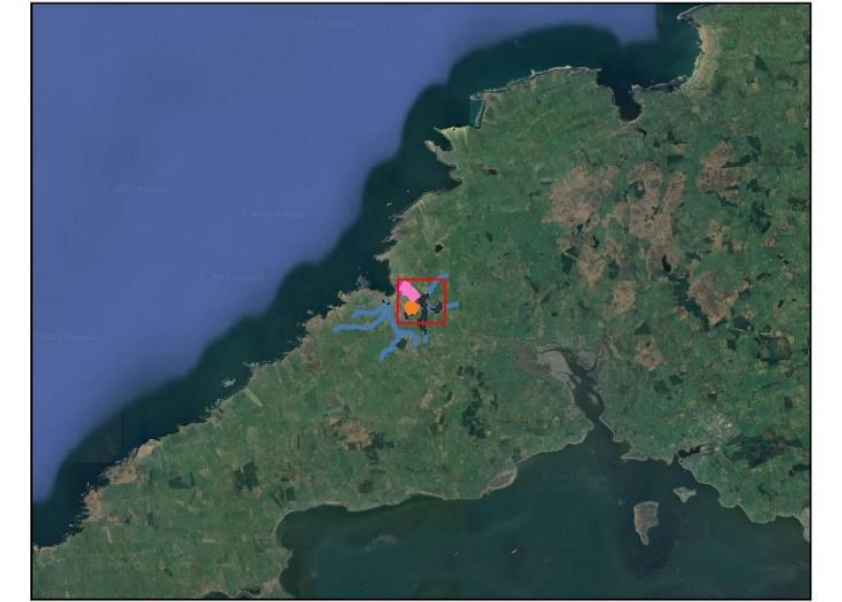
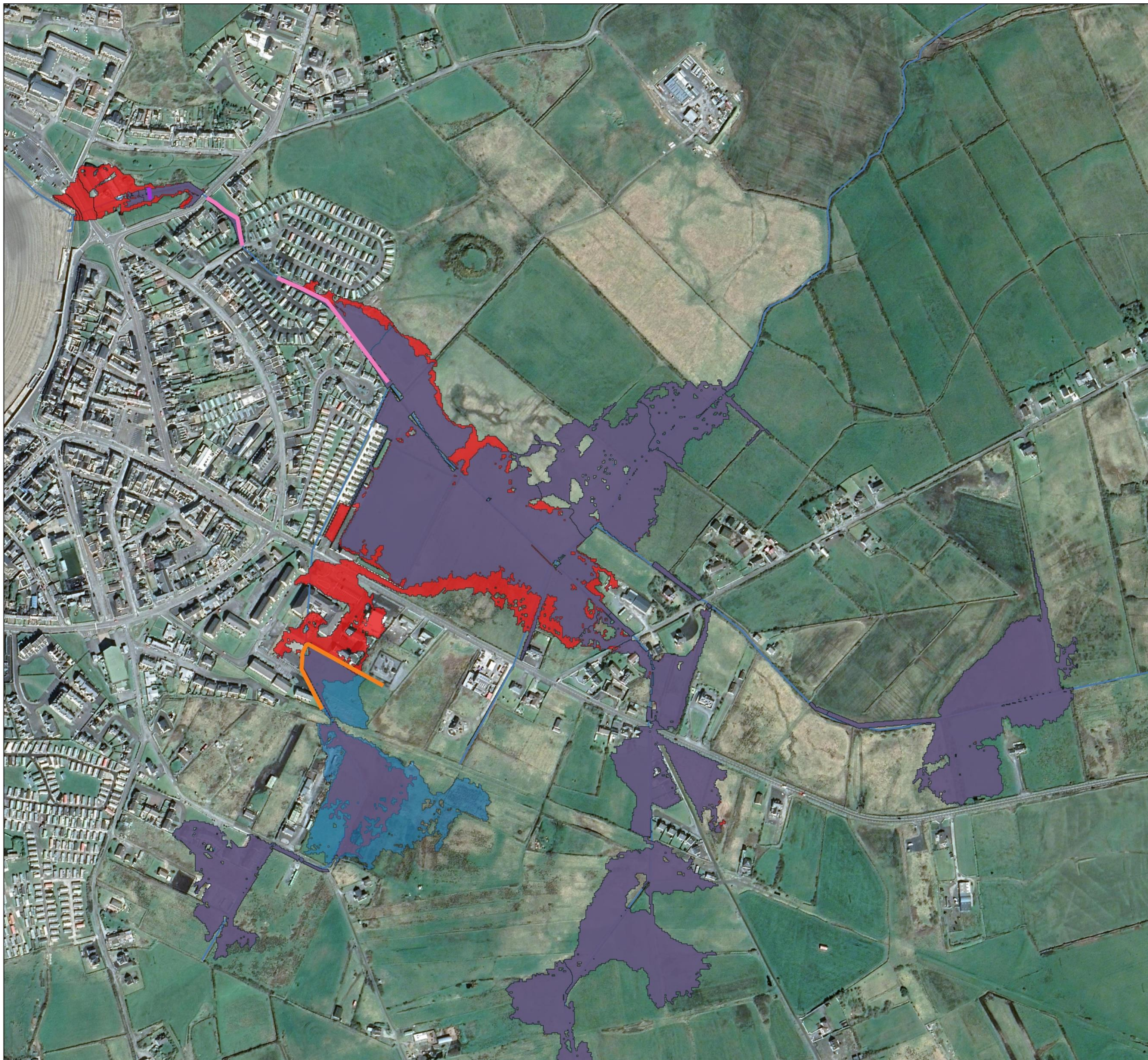
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Checked:	CJW	21/06/2022	Approved:	CJW	21/06/2022
Project Reference:	2019s1431 / CGD		Scale:	As Shown @ A1	
Drawing Number:	19109-JBAI-XX-XX-DR-C-02051	Status:	S3	Revision:	P02
		Sheet Size:	A1		







Atlantic Stream Option 2

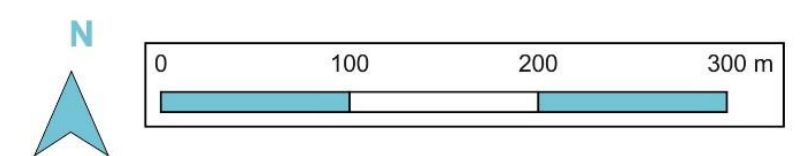
Channel Widening



Atlantic Stream Option 2

Legend

-  Bunding
-  UpgradeScreen
-  Widen Channel
-  Areas benefiting from Option
-  Flood Extents increased from Option
-  No change in flood extents



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 Checked By: CJW Date: 05/07/2022 Original at A2
 Approved By: CJW Date: 05/07/2022
 Status: S1 Revision: P01
 Figure Title: Atlantic Stream Option 2

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What's involved?

- Redesign of trash screen on outfall culvert
- Widening of Atlantic Stream Channel from Dun an Oir Housing Estate to N67 bridge
- Bunding at the rear of Kilkee Bay Hotel

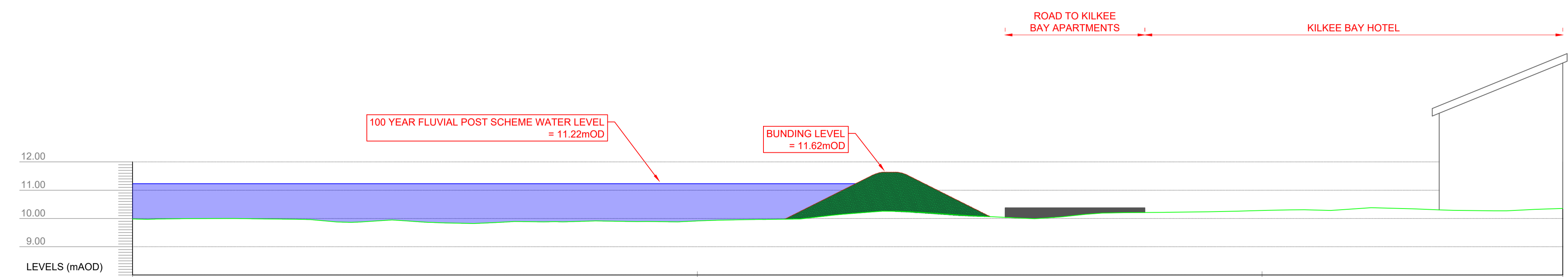
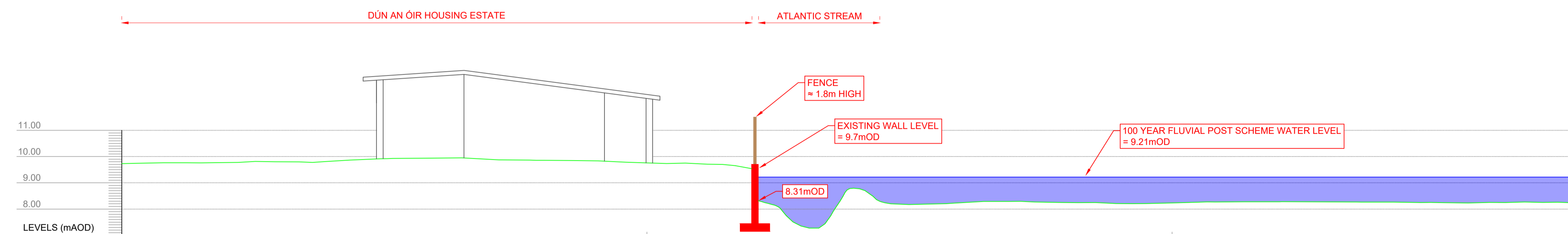
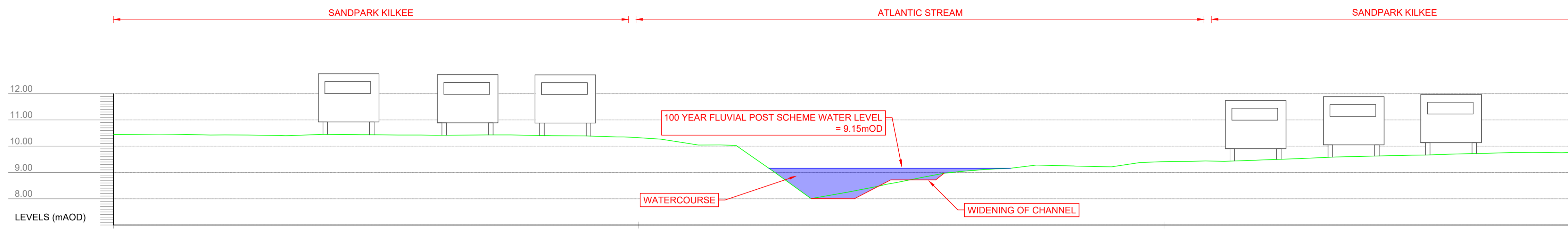
Benefits

- Proposed defences protect a number of properties from flooding
- Widening of channel reduces requirement for bunding at caravan park
- Potential for ecological benefits with channel widening

Constraints

- Increases flood extents upstream of the Kilkee Bay Hotel, however this area is greenspace so has no risk receptors
- Widening of channel would require loss of some land

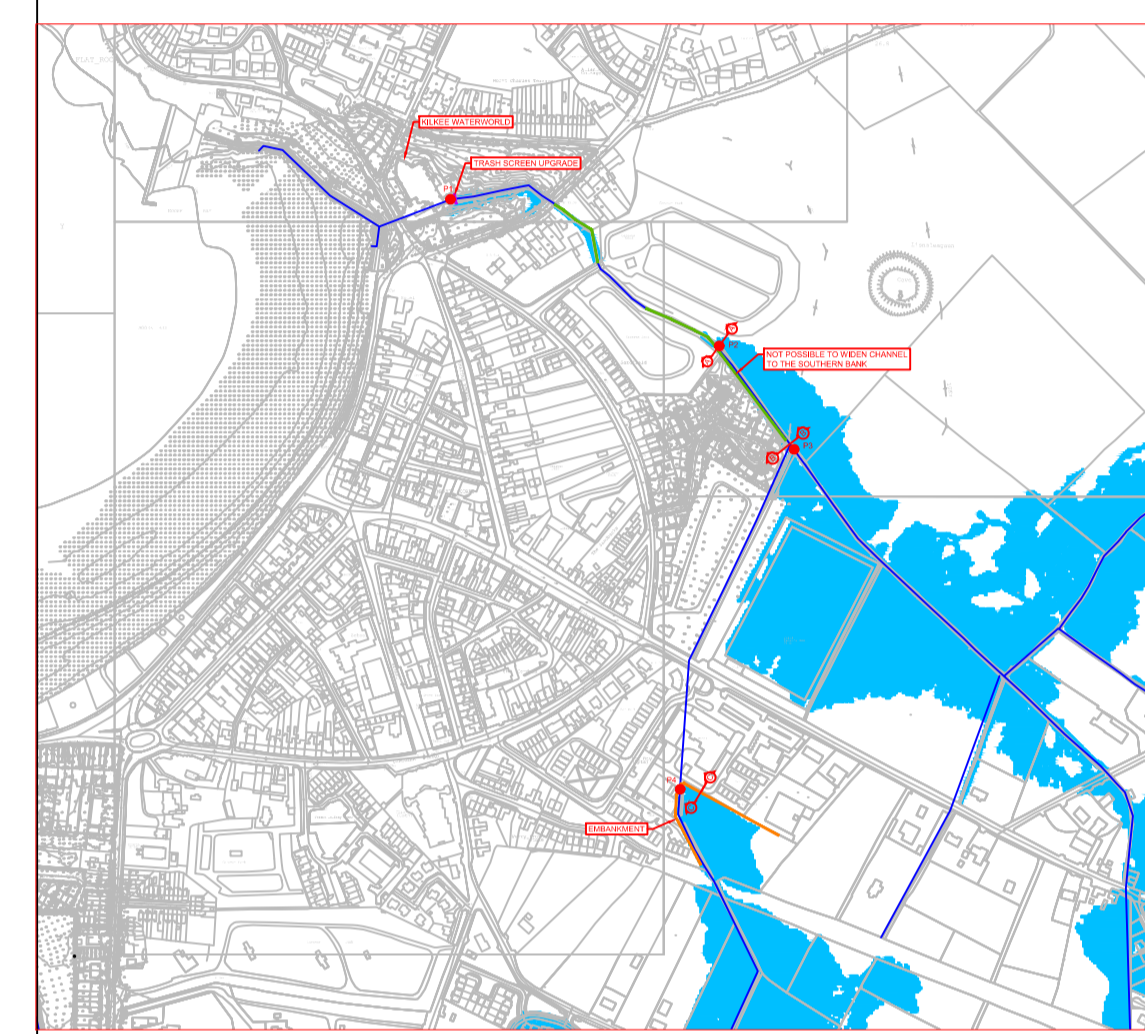




1			
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Project
KILKEE FLOOD RELIEF SCHEME

Title
**ATLANTIC STREAM MEASURES
CROSS SECTIONS - OPTION 2**

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Drawing Number:	19109-JBAI-XX-XX-DR-C-02053	Status:	S3	Revision:	P02
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2			
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- REPORTING POINTS
- TRASH SCREEN UPGRADE
- WIDENING OF CHANNEL
- BUNDING
- WATERCOURSE
- 100 YEAR FLUVIAL POST SCHEME FLOOD EXTENTS

REPORTING POINTS	OPTION	WATER LEVEL	DEFENCE LEVEL
P1	2	7.19mOD	—
P2	2	9.15mOD	9.55mOD
P3	2	9.21mOD	9.51mOD
P4	2	11.22mOD	11.62mOD

P02	Comments	PUBLIC PARTICIPATION DAY								
Rev.:	Date	16/08/22	Drawn	DM	Designed	DM	Checked	CJW	Approved	CJW
P01	Comments	INITIAL ISSUE								
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Project
KILKEE FLOOD RELIEF SCHEME

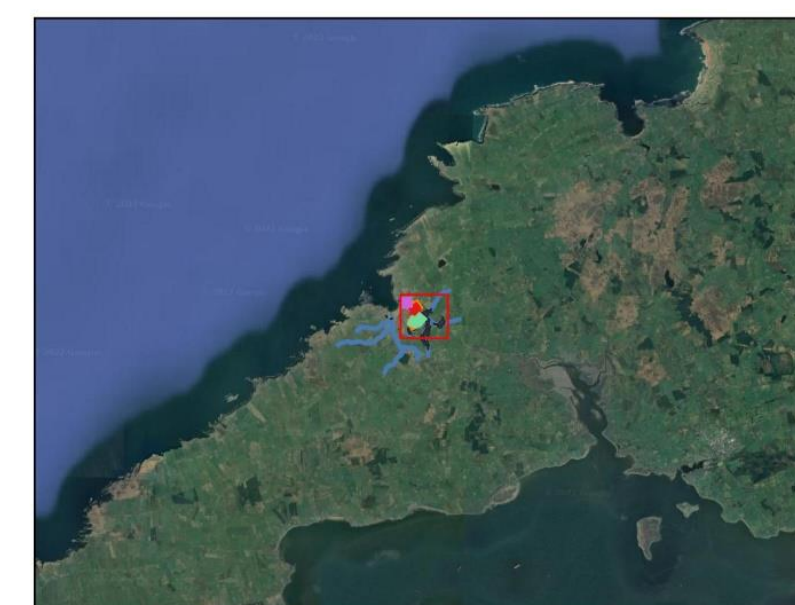
Title
ATLANTIC STREAM MEASURES
OPTION 2

Client
for
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Project Reference:	2019s1431 / CGD		Scale:	1:2000 @ A1	
Drawing Number:	19109-JBAI-XX-DR-C-02050	Status:	S3	Revision:	P02
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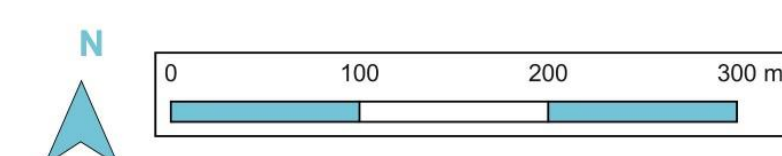
Atlantic Stream Option 3 Diversion



Atlantic Stream Option 3

Legend

-  Bunding
-  Diversion
-  UpgradeScreen
-  Wall Increase
-  Areas benefiting from Option
-  Flood Extents increased from Option
-  No change in flood extents



Drawn By: CD Date: 05/07/2022 Scale: 1:3,584
 Checked By: CJW Date: 05/07/2022 Original at A2
 Approved By: CJW Date: 05/07/2022
 Status: S1 Revision: P01
 Figure Title: Atlantic Stream Option 3

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What's involved?

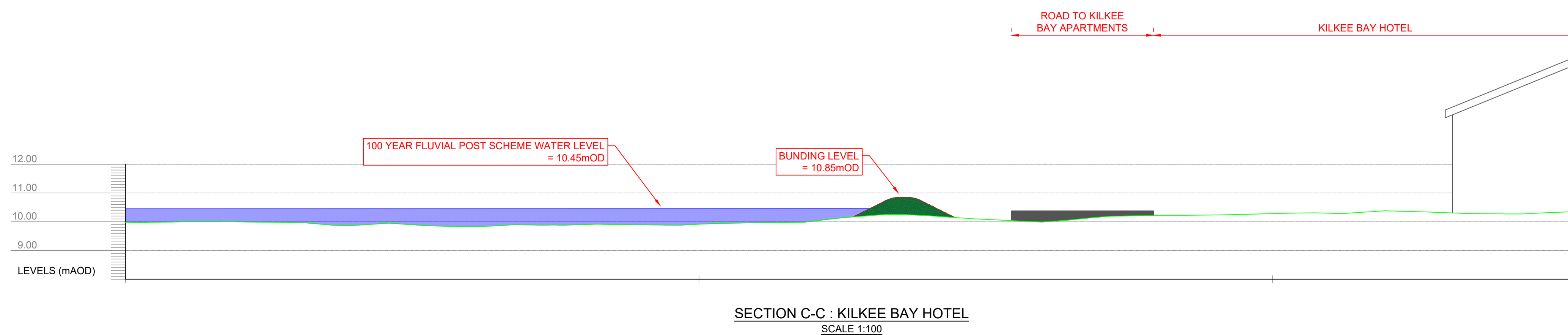
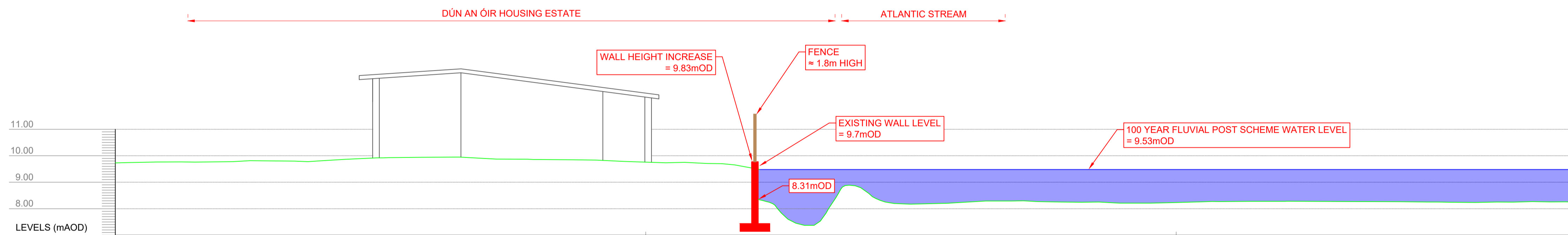
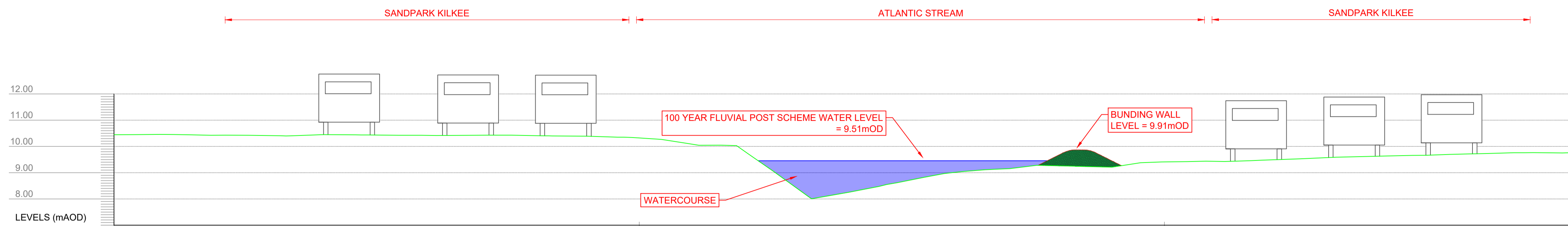
- Redesign of trash screen on outfall culvert
- Increase in height of wall at Dun an Oir housing estate
- Bunding along Sandpark Caravan Park
- Bunding at the rear of Kilkee Bay Hotel
- Culverted diversion from rear of Kilkee Bay hotel to field adjacent to GAA field

Benefits

- Proposed defences protect a number of properties from flooding
- Flood extents reduced upstream of the Kilkee Bay Hotel

Constraints

- Diversion results in increased flood depths / extents at the GAA field and higher wall / embankment requirement at Dun an Oir Housing Estate and Sandpark Caravan Park



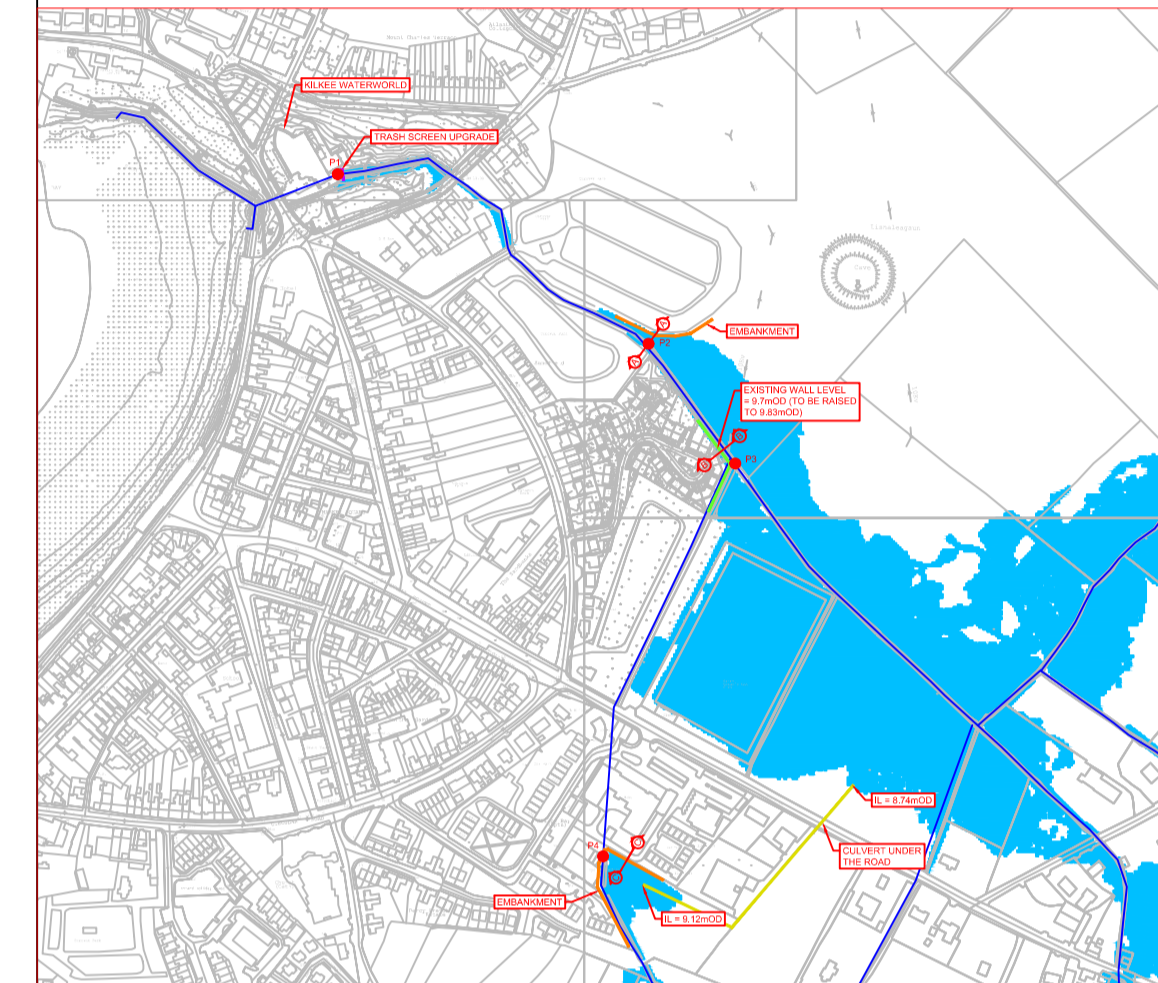
1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

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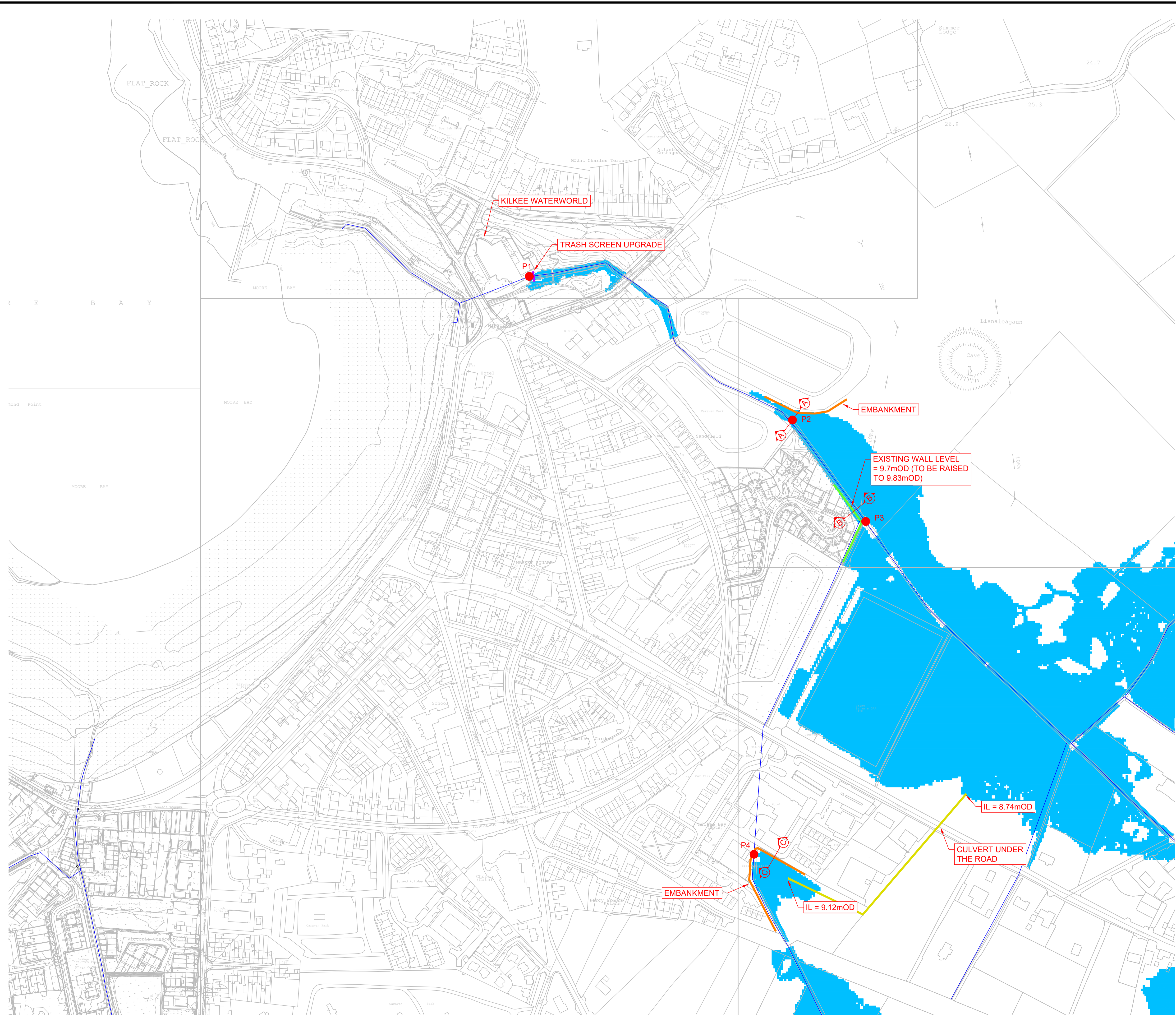
Project
KILKEE FLOOD RELIEF SCHEME

Title
**ATLANTIC STREAM MEASURES
CROSS SECTIONS - OPTION 3**

Client
for
CLARE COUNTY COUNCIL

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- REPORTING POINTS
- TRASH SCREEN UPGRADE
- WALL HEIGHT INCREASE
- BUNDING
- DIVERSION
- WATERCOURSE
- 100 YEAR FLUVIAL POST SCHEME FLOOD EXTENTS

REPORTING POINTS	OPTION	WATER LEVEL	DEFENCE LEVEL
P1	3	7.05mOD	—
P2	3	9.51mOD	9.91mOD
P3	3	9.53mOD	9.83mOD
P4	3	10.45mOD	10.85mOD

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Rev.:	Date	16/08/22	Drawn	DM	Designed	DM	Checked	CJW	Approved	CJW
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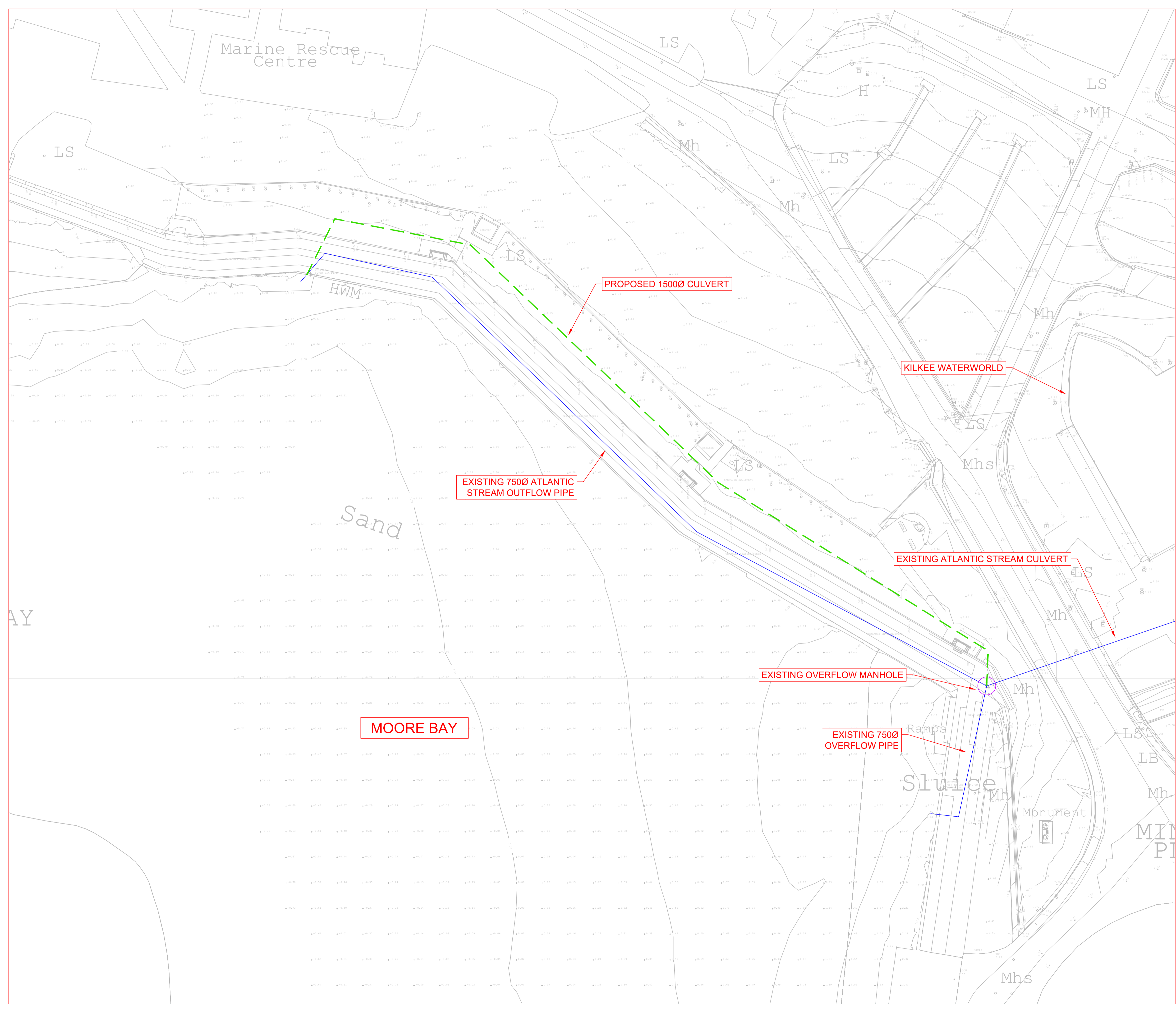
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Drawing Number:	19109-JBAI-XX-DR-C-02054	Status:	S3	Revision:	P02
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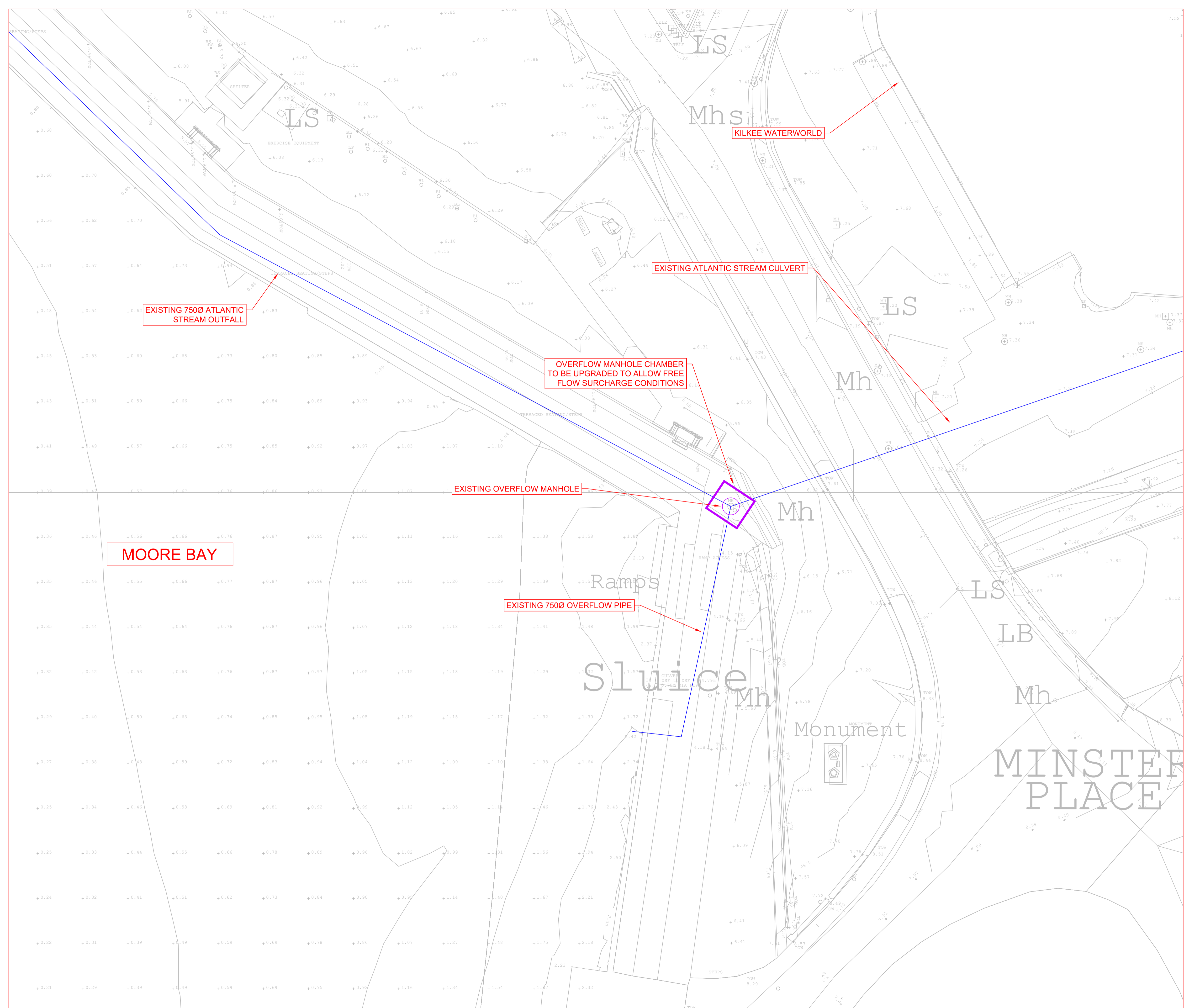
Project **KILKEE FLOOD RELIEF SCHEME**

Title **ATLANTIC STREAM OUTFALL - OPTION 1**
 for

Client **CLARE COUNTY COUNCIL**

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Drawing Number:	19109-JBAI-XX-DR-C-02056	Status:	S3	Revision:	P02
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No.	Construction Risk	Maintenance Risk	Demolition Risk
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Rev.:	Date	17/08/22	Drawn	DM	Designed	DM	Checked	CJW	Approved	CJW

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Project **KILKEE FLOOD RELIEF SCHEME**

Title **ATLANTIC STREAM OUTFALL - OPTION 2**
 for

Client **CLARE COUNTY COUNCIL**

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EXISTING WATERWAY - SIDE VIEW



This illustrative visualisation is not based on an engineering model. This visualisation should be used for illustrative purposes only as result is subject to final engineering design.

Drawing number : 19109-JBAI-XX-XX-VS-Z-00897_At_Screen_Photomontage_P01.01
2019s1431 - Clare County Council - Kilkee Flood Relief Scheme



PROPOSED ILLUSTRATIVE DEBRIS SCREEN - SIDE VIEW



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EXISTING WATERWAY - FRONT VIEW



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PROPOSED ILLUSTRATIVE DEBRIS SCREEN - FRONT VIEW



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