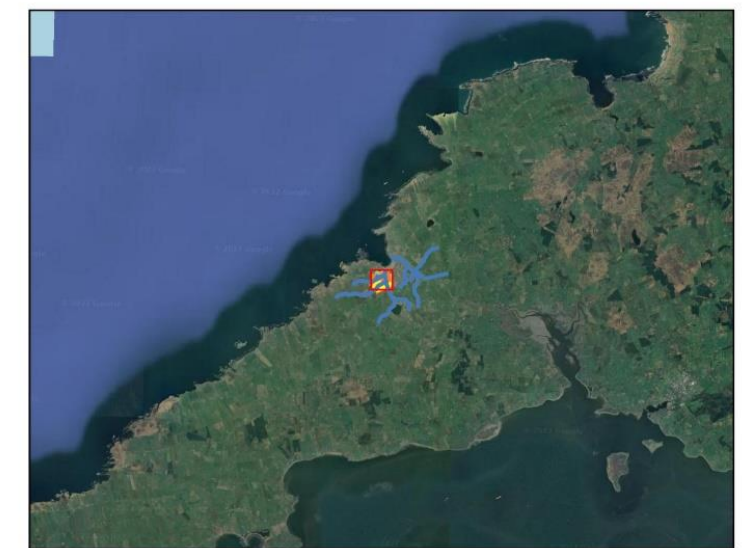
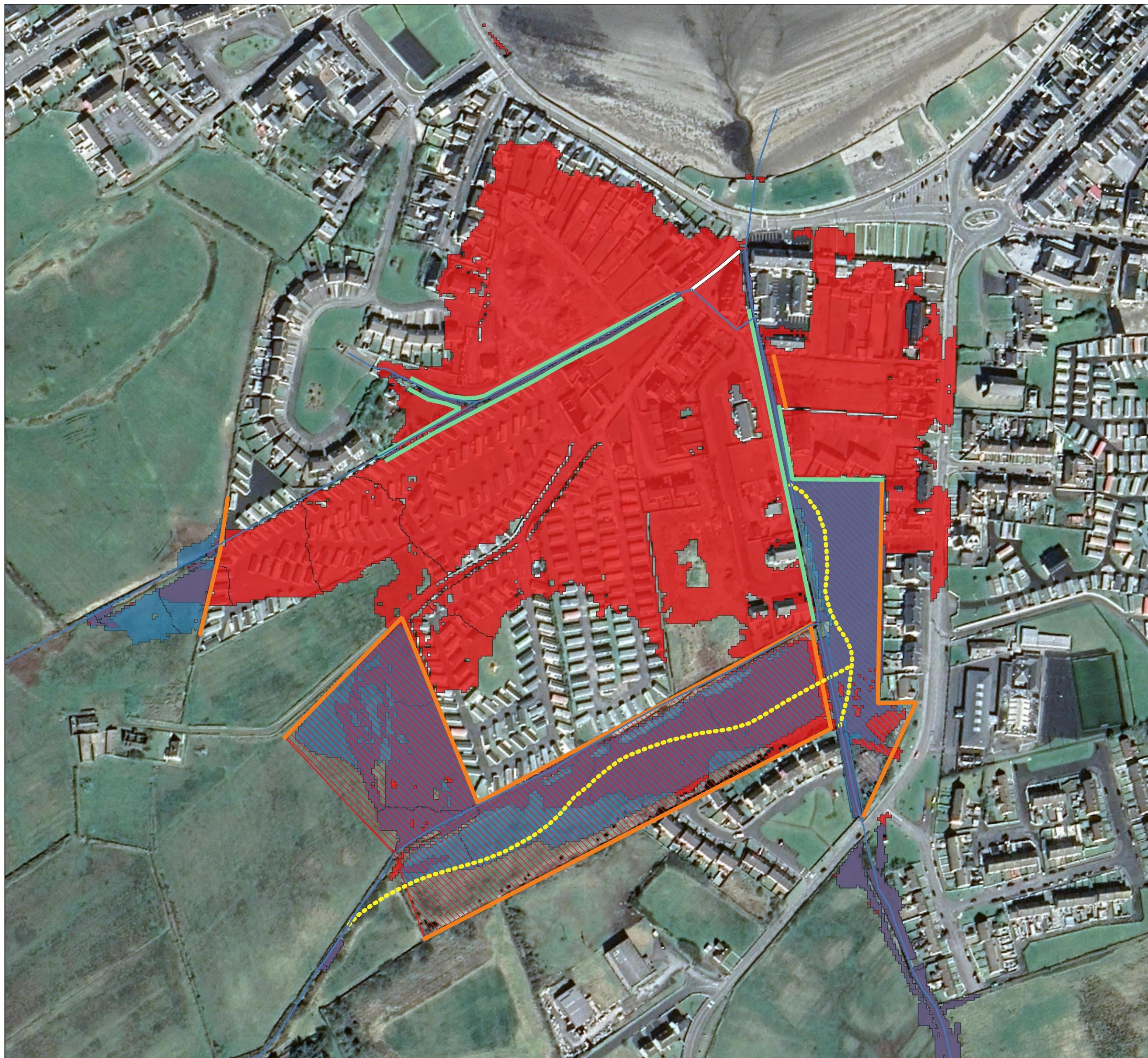


Victoria Stream Option 1A

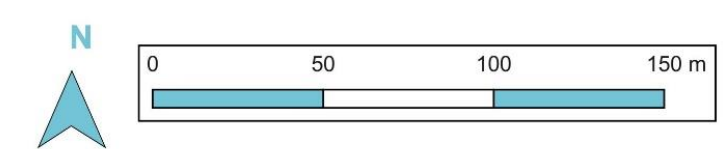
Containment / Storage



Victoria Stream Option 1

Legend

- Channel Diversion
- - - - Channel realignment
- Embankment
- Wall
- ▨ Retained Floodplain
- ▨ Storage
- ▨ Flood Extents increased by Option
- ▨ Areas benefiting from option
- ▨ No change in flood extents



Drawn By: CD Date: 05/07/2022 Scale: 1:1,792
 Checked By: CJW Date: 05/07/2022 Original at A2
 Approved By: CJW Date: 05/07/2022
 Status: S1 Revision: P01
 Figure Title: Victoria Stream Option 1

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What's involved?

- Combination of Walls and embankments along the Well Stream and the Victoria Stream
- Channel Realignment and containment in the Church Road field
- Channel Realignment and storage in the form of constructed wetlands on the Western Tributary
- Construction of new outfall culvert from Well Stream to Victoria Stream

Benefits

- Proposed defences protect a large number of properties from flooding
- Constructed wetlands have ecological and water quality benefits

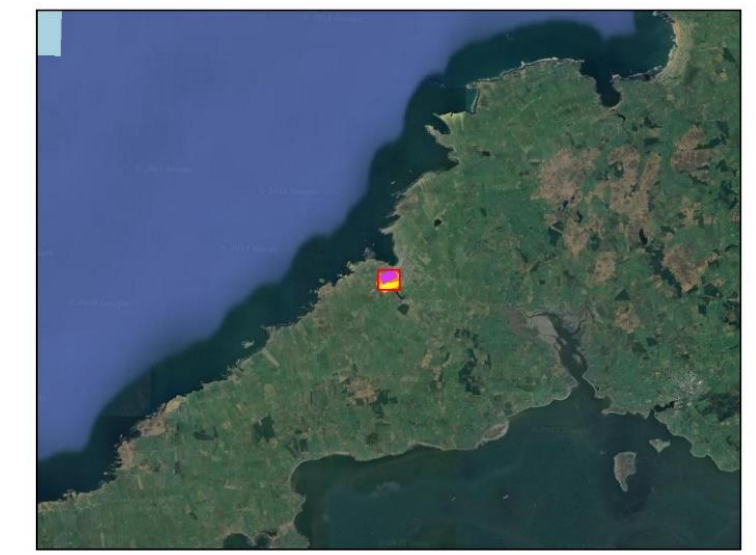
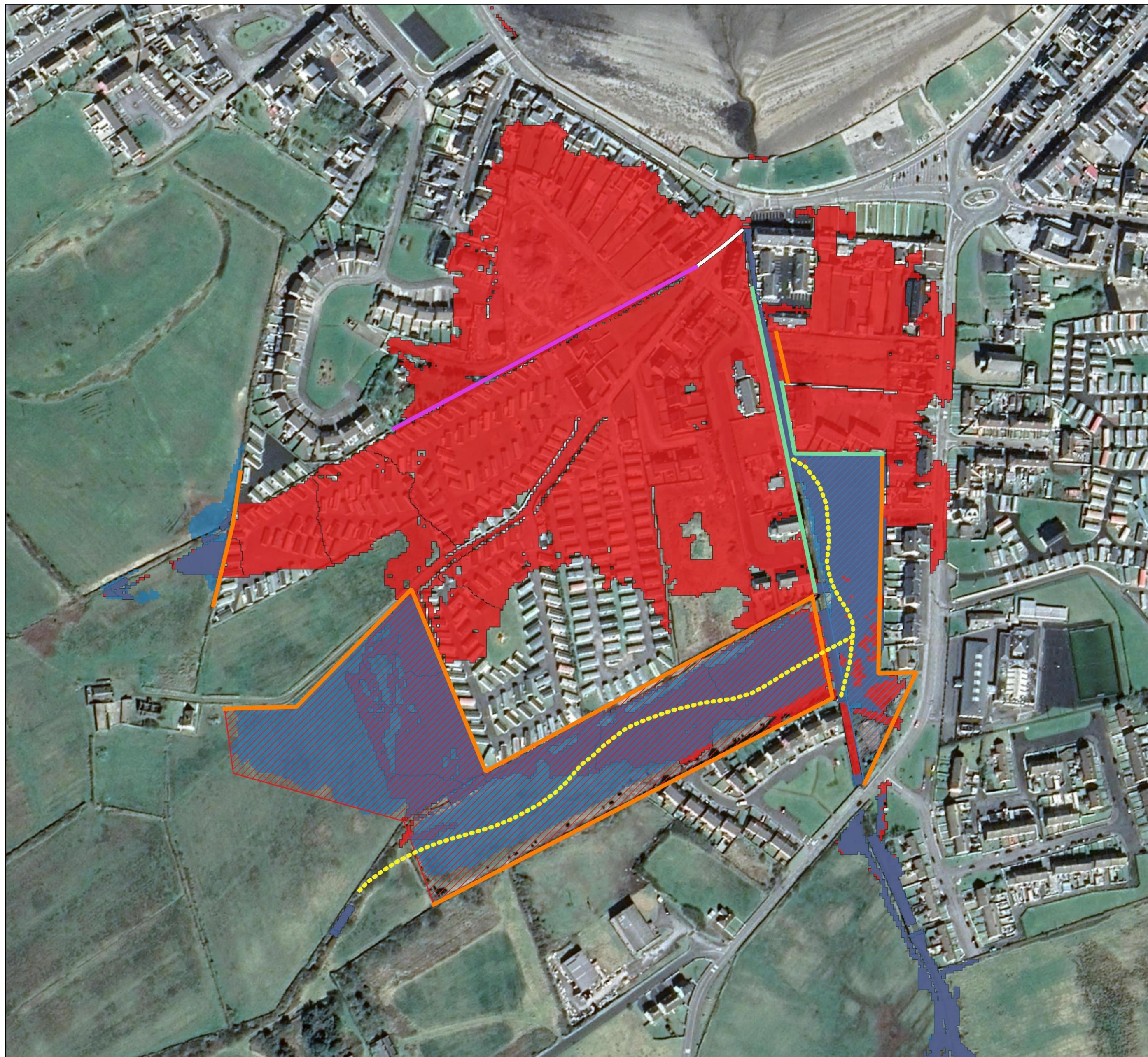
Constraints

- Increases flood extents upstream of the Well Stream, however this area is greenspace so has no risk receptors

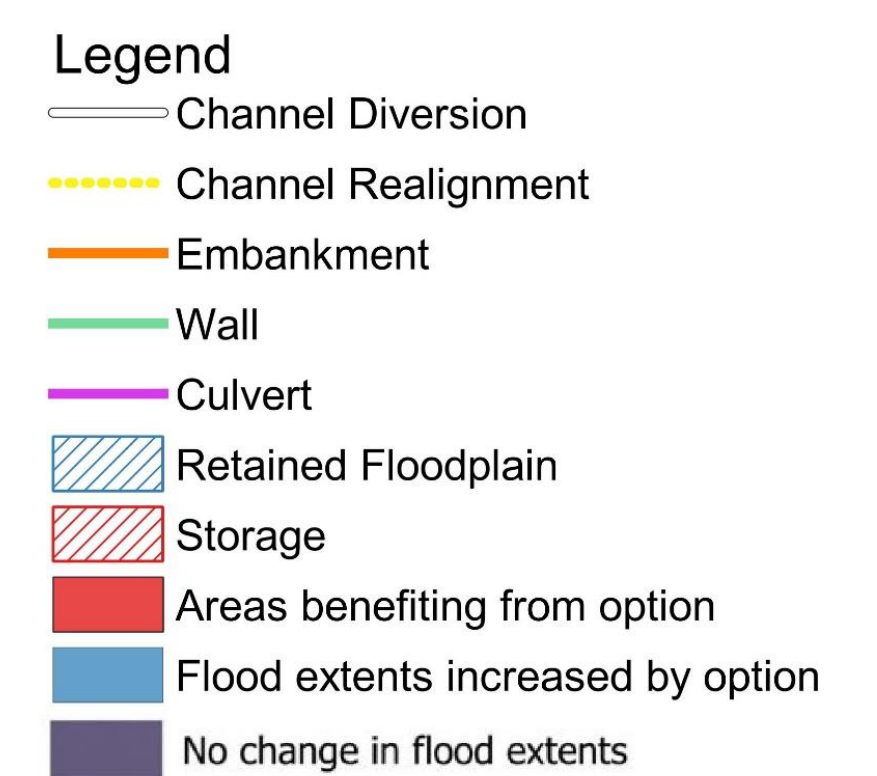


Victoria Stream Option 1B

Containment / Storage / Culverting



Victoria Stream Option 1B



Drawn By: CD Date: 17/08/2022 Scale: 1:1,824
 Checked By: CJW Date: 17/08/2022 Original at A2
 Approved By: CJW Date: 17/08/2022
 Status: S1 Revision: P01
 Figure Title: Victoria Stream Option 1

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What's involved?

- Combination of Walls and embankments along the Victoria Stream
- Construction of new culvert along the Well Stream
- Channel Realignment and containment in the Church Road field
- Channel Realignment and storage in the form of constructed wetlands on the Western Tributary
- Construction of new outfall culvert from Well Stream to Victoria Stream

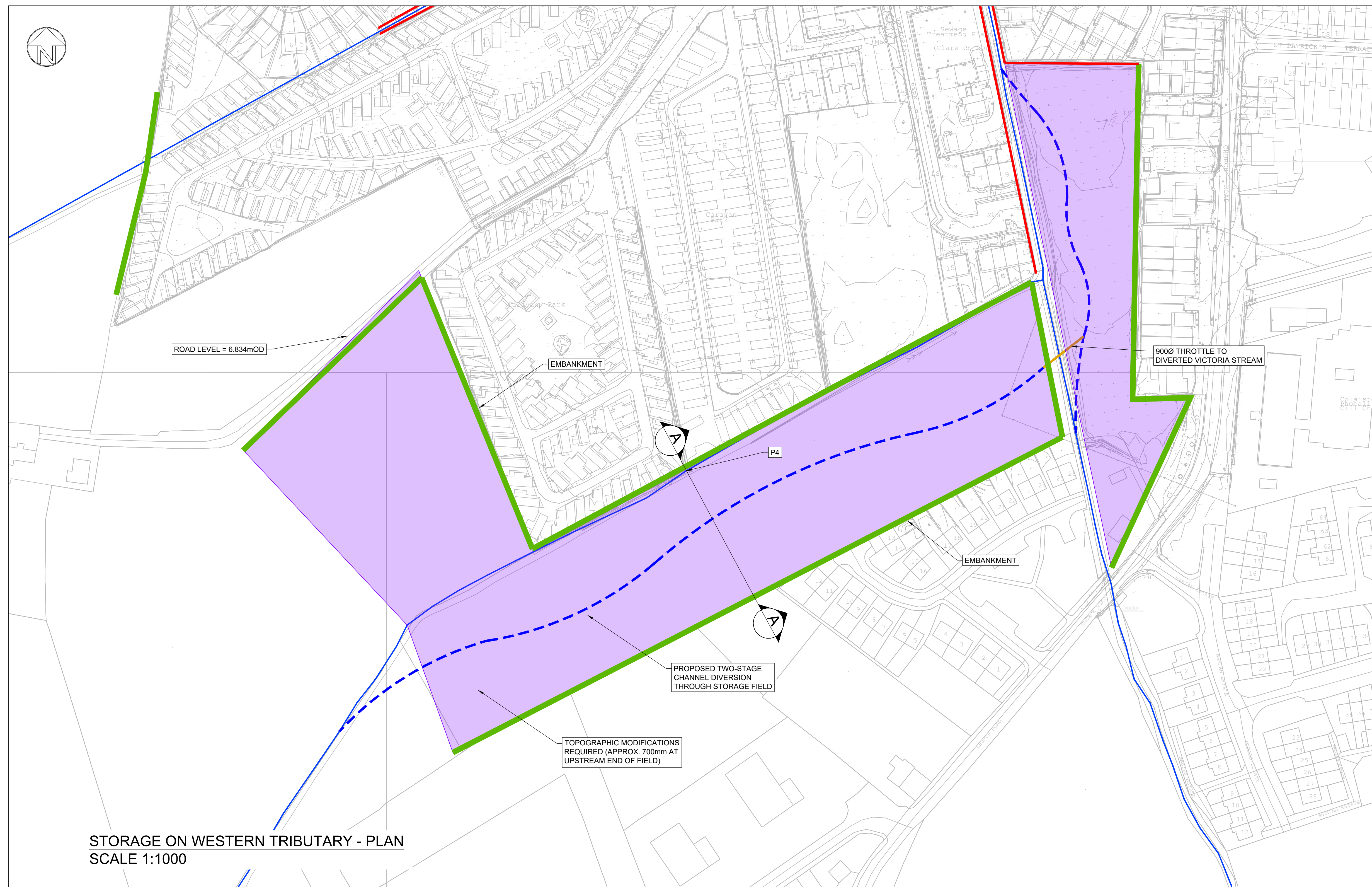
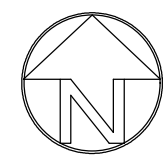
Benefits

- Proposed defences protect a large number of properties from flooding
- Constructed wetlands have ecological and water quality benefits

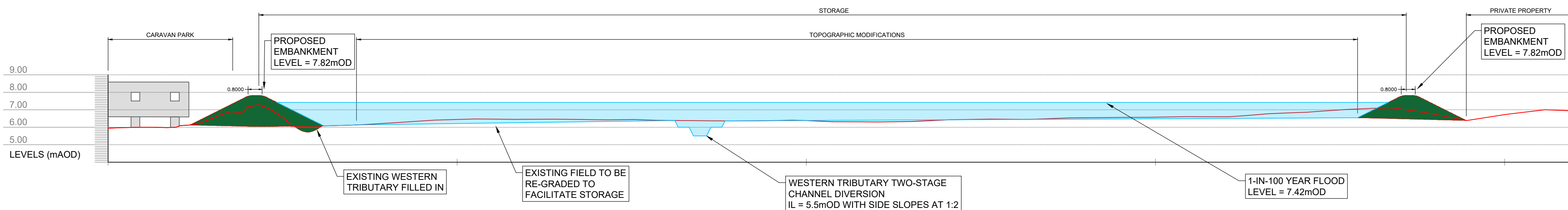
Constraints

- Increases flood extents upstream of the Well Stream and Victoria Stream, however this area is greenspace so has no risk receptors
- Embankment heights on Western Tributary become excessive (>2m)





STORAGE ON WESTERN TRIBUTARY - PLAN
SCALE 1:1000



SECTION A-A
SCALE 1:150

1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

In addition to the hazards/risks normally associated with the types of work detailed on this drawing take note of the above.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

DRAWING NOTES

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LEGEND

	EXISTING WATERCOURSE
	PROPOSED OPEN CHANNEL DIVERSION
	PROPOSED FLOOD DEFENSE WALL
	PROPOSED EMBANKMENT
	PROPOSED CULVERT
	STORAGE EXTENTS

OPTION 1			
REPORTING POINT	EMBANKMENT LEVEL (mOD)	WALL LEVEL (mOD)	1% AEP FLOOD LEVEL (mOD)
P4 (CARAVAN FIELD)	7.82	-	7.42

P03	Comments	PUBLIC PARTICIPATION DAY.								
Rev.:	Date	16/08/22	Drawn	PB	Designed	Checked	CJW	Approved	CJW	
P02	Comments	OPTIONS REVISED.								
Rev.:	Date	07/07/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
P01	Comments	INITIAL DRAWING.								
Rev.:	Date	22/12/2021	Drawn	PB	Designed	PB	Checked	MOD	Approved	CJW

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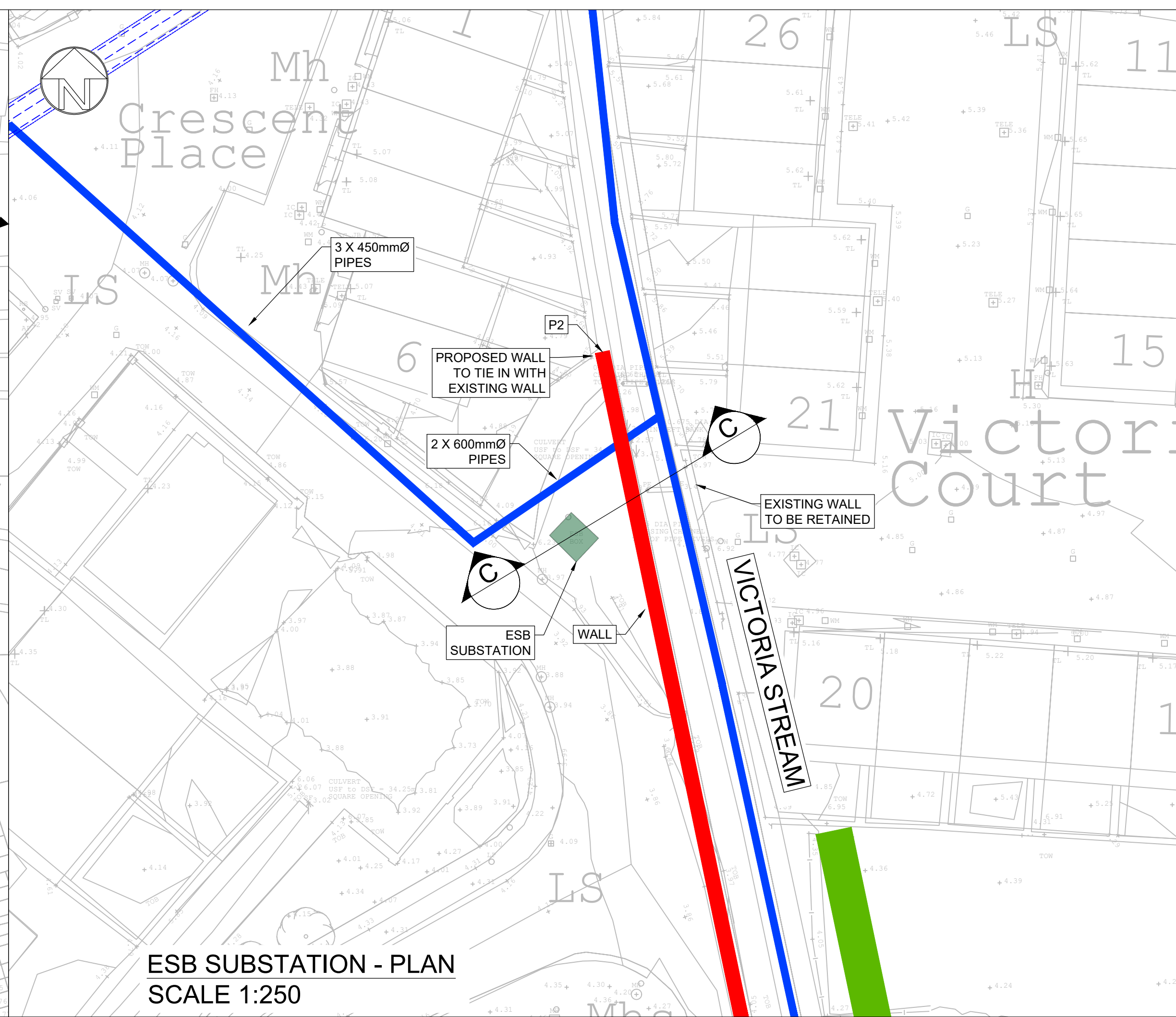
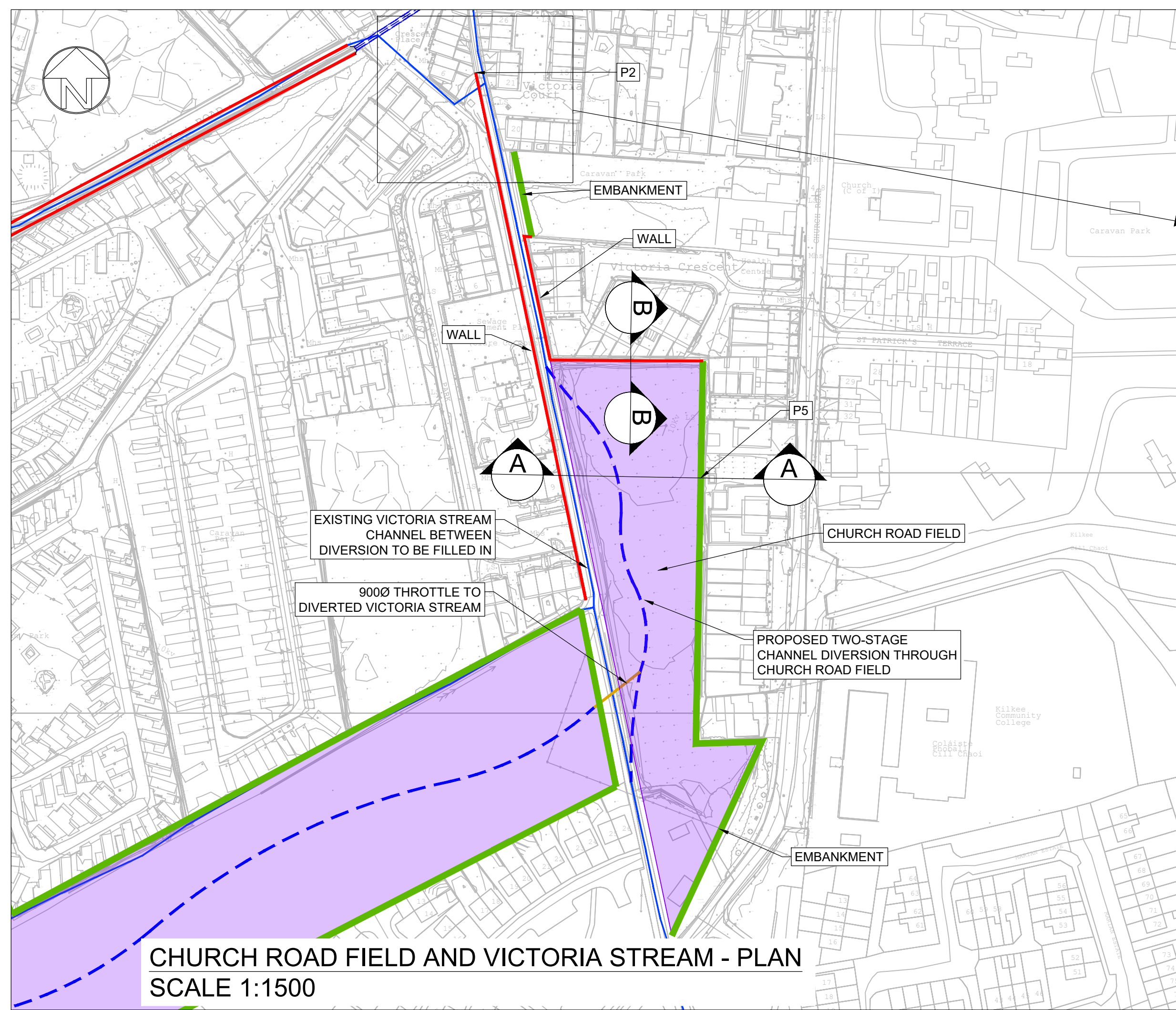
Project
KILKEE FLOOD RELIEF SCHEME

Title
**STORAGE ON WESTERN TRIBUTARY
OPTION 1 MEASURES**

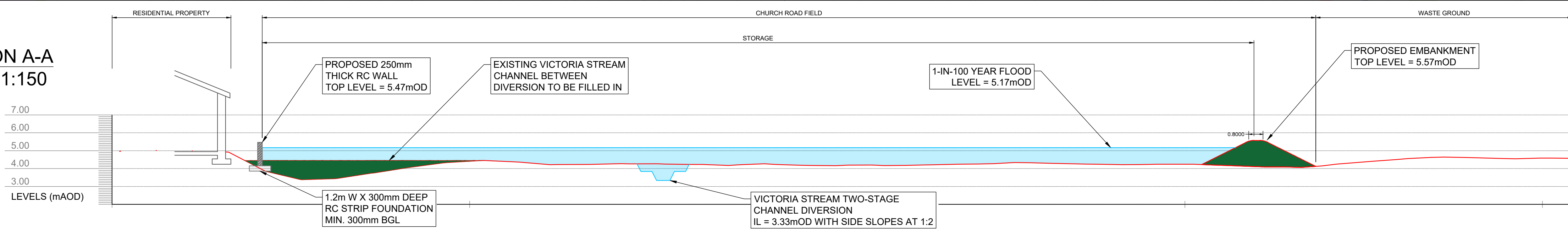
Client
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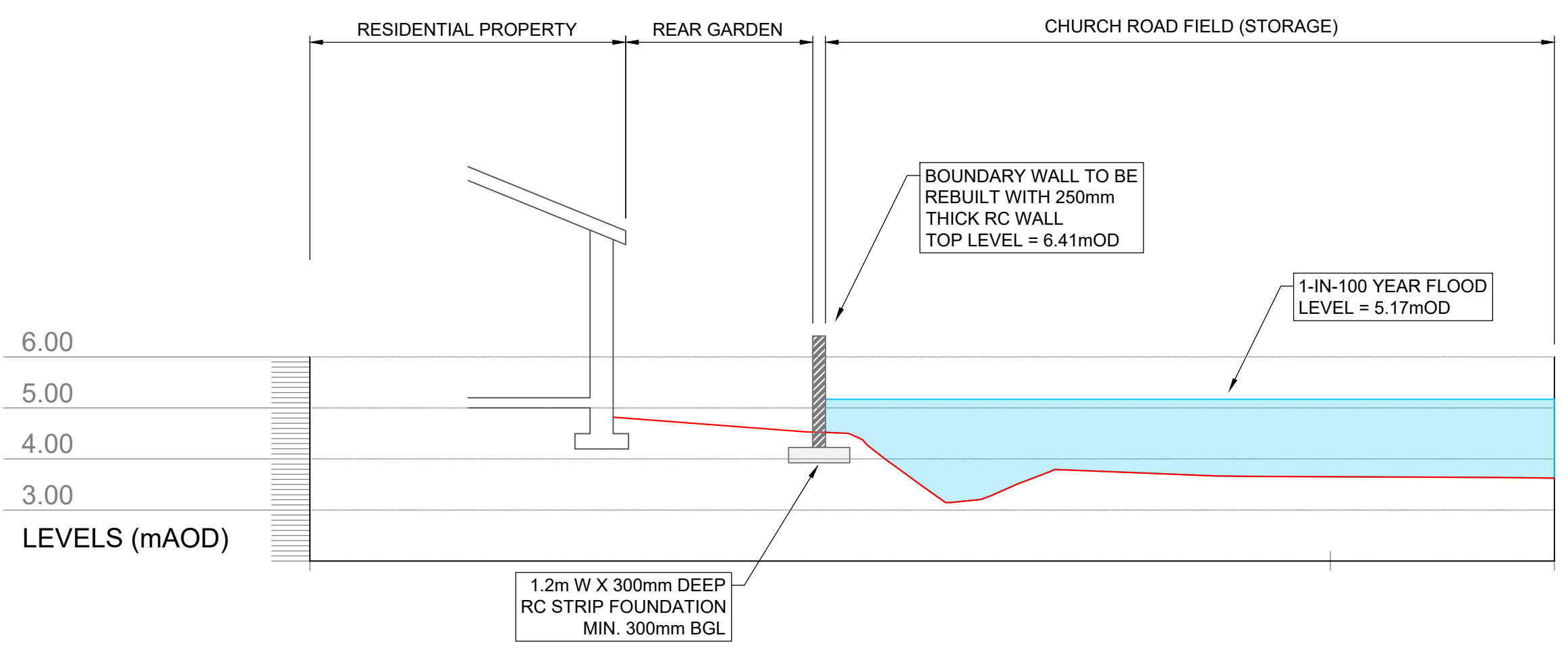
Drawn:	PB	22/12/2021	Designed:	PB	22/12/2021
Checked:	MOD	22/12/2021	Approved:	CJW	22/12/2021
Project Reference:	2019s1431 / CGD		Scale:	AS SHOWN @ A1	
Drawing Number:	19109-JBAI-XX-DR-C-02008	Status:	S3	Revision:	P03
		Sheet Size:	A1		



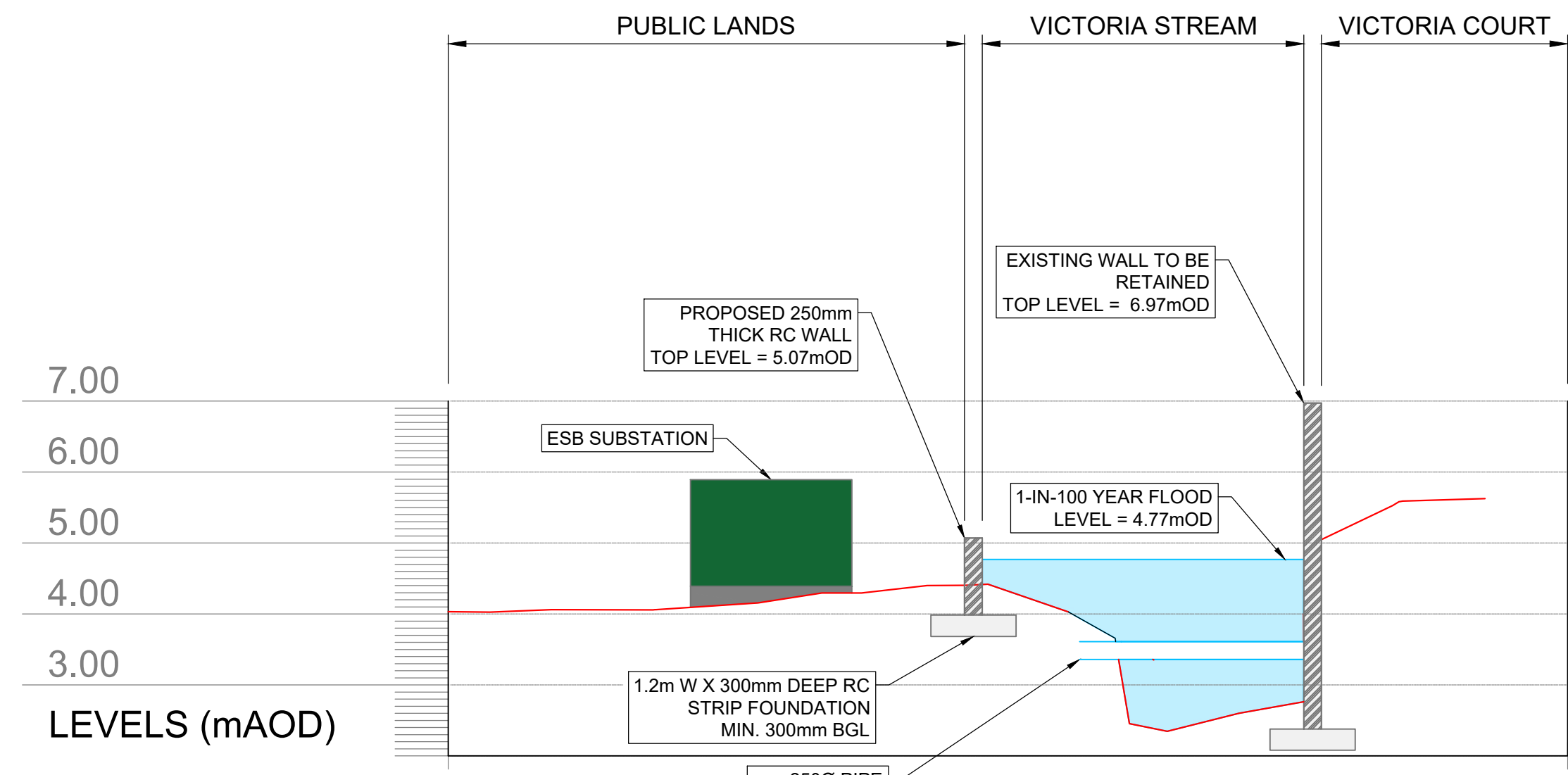
SECTION A-A
SCALE 1:150



SECTION B-B
SCALE 1:100



SECTION C-C
SCALE 1:75



1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

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LEGEND

	EXISTING WATERCOURSE
	PROPOSED OPEN CHANNEL DIVERSION
	PROPOSED FLOOD DEFENSE WALL
	PROPOSED EMBANKMENT
	PROPOSED CULVERT
	PROPOSED BOX CULVERT
	STORAGE EXTENTS

OPTION 1

REPORTING POINT	EMBANKMENT LEVEL (mOD)	WALL LEVEL (mOD)	1% AEP FLOOD LEVEL (mOD)
P2 (U/S OF SERVICE CROSSING ON VICTORIA)	-	5.07	4.77
P5 (CHURCH ROAD FIELD)	5.57	5.47	5.17

P03	Comments	PUBLIC PARTICIPATION DAY.								
Rev.:	Date	16/08/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
P02	Comments	OPTIONS REVISED.								
Rev.:	Date	28/07/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
P01	Comments	INITIAL DRAWING.								
Rev.:	Date	22/12/21	Drawn	PB	Designed	PB	Checked	MOD	Approved	CJW

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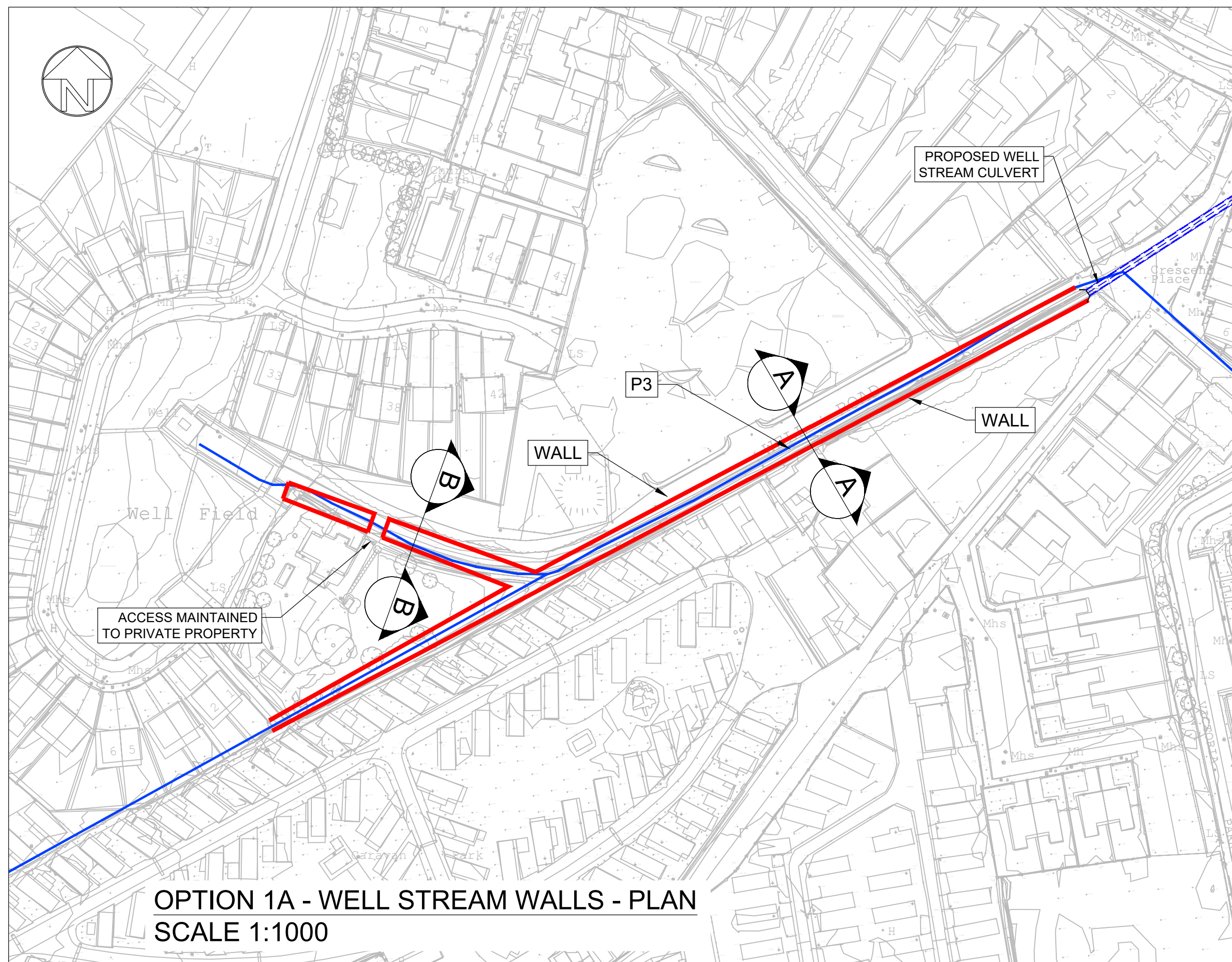
Project **KILKEE FLOOD RELIEF SCHEME**

Title **CHURCH ROAD FIELD AND VICTORIA STREAM OPTION 1 MEASURES**

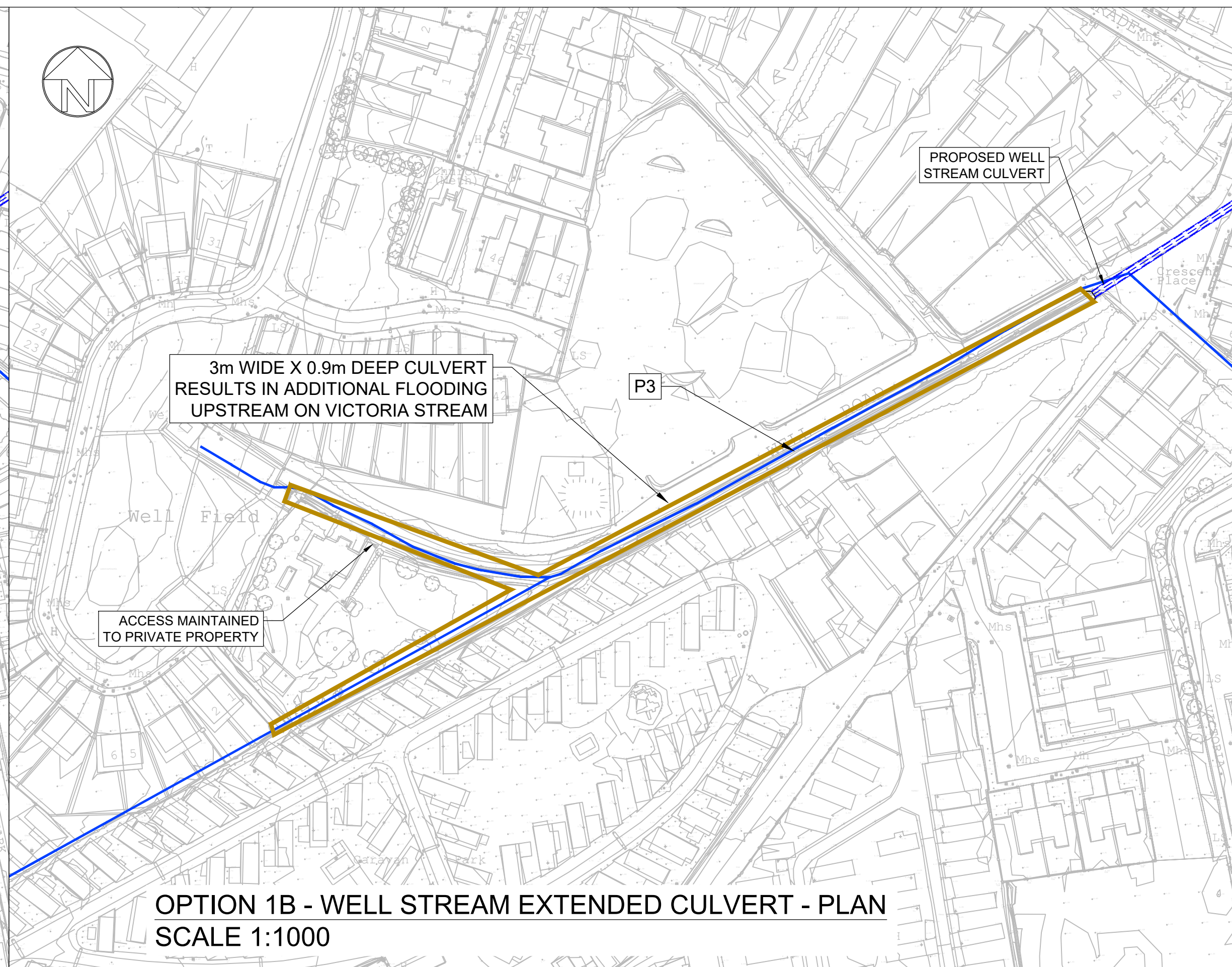
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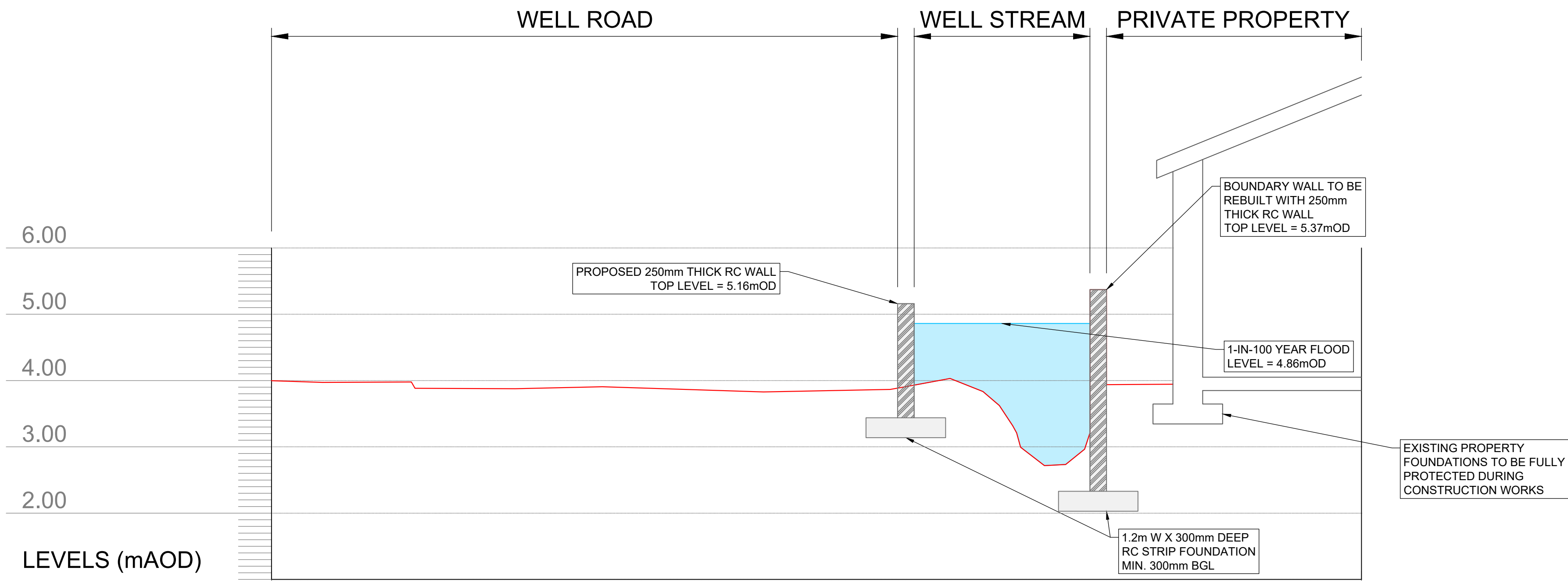
Drawn:	PB	22/12/2021	Designed:	PB	22/12/2021
Checked:	MOD	22/12/2021	Approved:	CJW	22/12/2021
Project Reference:	2019s1431 / CGD		Scale:	AS SHOWN @ A1	
Drawing Number:	19109-JBAI-XX-XX-DR-C-02009	Status:	S3	Revision:	P03
		Sheet Size:	A1		



OPTION 1A - WELL STREAM WALLS - PLAN
SCALE 1:1000

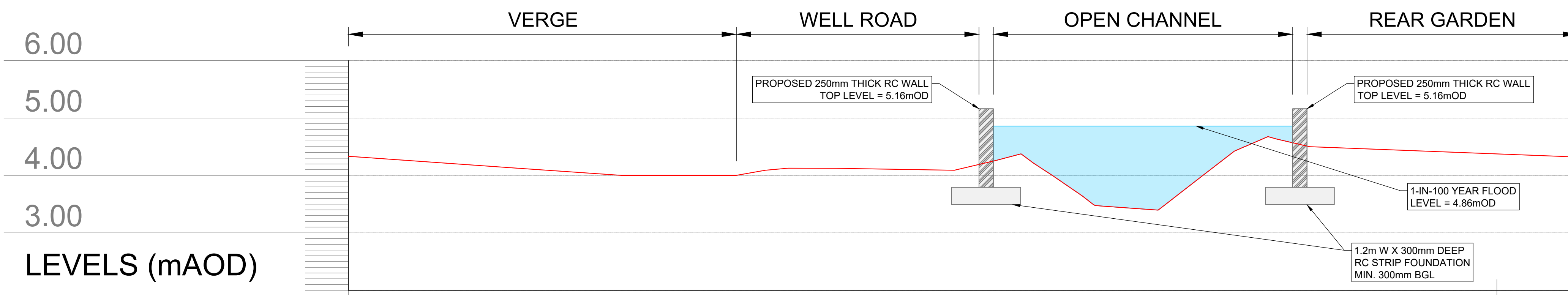


OPTION 1B - WELL STREAM EXTENDED CULVERT - PLAN
SCALE 1:1000



SECTION A-A
SCALE 1:50

LEVELS (mAOD)



SECTION B-B
SCALE 1:50

LEVELS (mAOD)

1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

In addition to the hazards/risks normally associated with the types of work detailed on this drawing take note of the above.

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LEGEND

	EXISTING WATERCOURSE
	PROPOSED FLOOD DEFENCE WALL
	PROPOSED CULVERT
	PROPOSED BOX CULVERT

OPTION 1

REPORTING POINT	EMBANKMENT LEVEL (mOD)	WALL LEVEL (mOD)	1% AEP FLOOD LEVEL (mOD)
P3 (WELL STREAM AT CCC COMPOUND)	-	5.16	4.86

P03	Comments	PUBLIC PARTICIPATION DAY.								
Rev.:	Date	16/08/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
P02	Comments	OPTIONS REVISED.								
Rev.:	Date	28/07/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
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Rev.:	Date	22/12/21	Drawn	PB	Designed	PB	Checked	MOD	Approved	CJW

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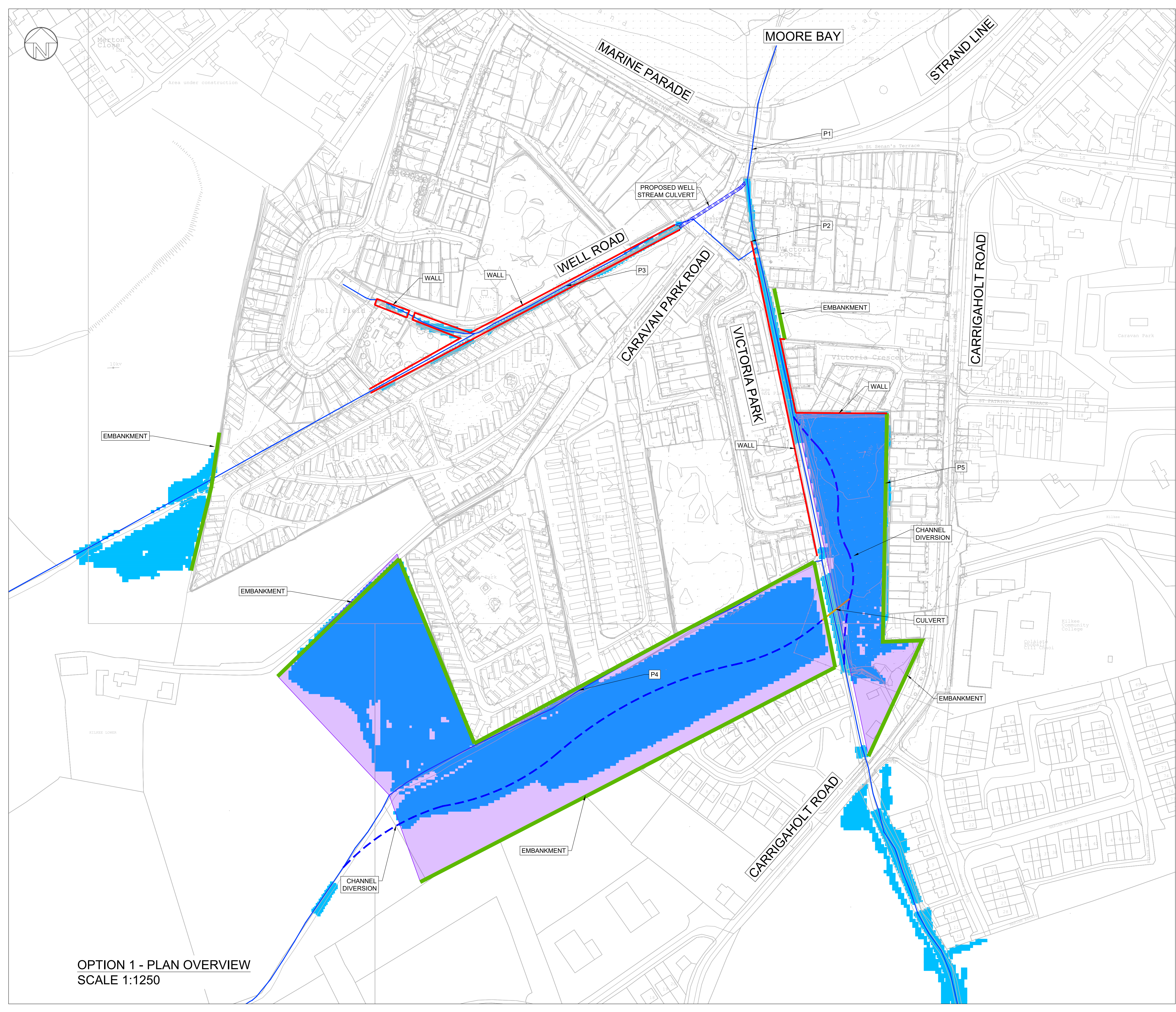
Project **KILKEE FLOOD RELIEF SCHEME**

Title **WELL STREAM WALLS
OPTION 1 MEASURES**

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Drawing Number:	19109-JBAI-XX-DR-C-02012	Status:	S3	Revision:	P03
		Sheet Size:	A1		



OPTION 1 - PLAN OVERVIEW
SCALE 1:1250

1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

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LEGEND

	EXISTING WATERCOURSE
	PROPOSED OPEN CHANNEL DIVERSION
	PROPOSED FLOOD DEFENSE WALL
	PROPOSED EMBANKMENT
	PROPOSED CULVERT
	PROPOSED BOX CULVERT
	STORAGE EXTENTS
	POST-SCHEME FLOOD EXTENTS

OPTION 1			
REPORTING POINT	EMBANKMENT LEVEL (mOD)	WALL LEVEL (mOD)	1% AEP FLOOD LEVEL (mOD)
P1 (VICTORIA STREAM OUTFALL CULVERT)	-	-	4.53
P2 (J/S OF SERVICE CROSSING ON VICTORIA)	-	5.07	4.77
P3 (WELL STREAM AT CCC COMPOUND)	-	5.16	4.86
P4 (CARAVAN FIELD)	7.82	-	7.42
P5 (CHURCH ROAD FIELD)	5.57	5.47	5.17

P02	Comments	PUBLIC PARTICIPATION DAY.								
Rev.:	Date	16/08/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
P01	Comments	INITIAL DRAWING.								
Rev.:	Date	28/07/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW

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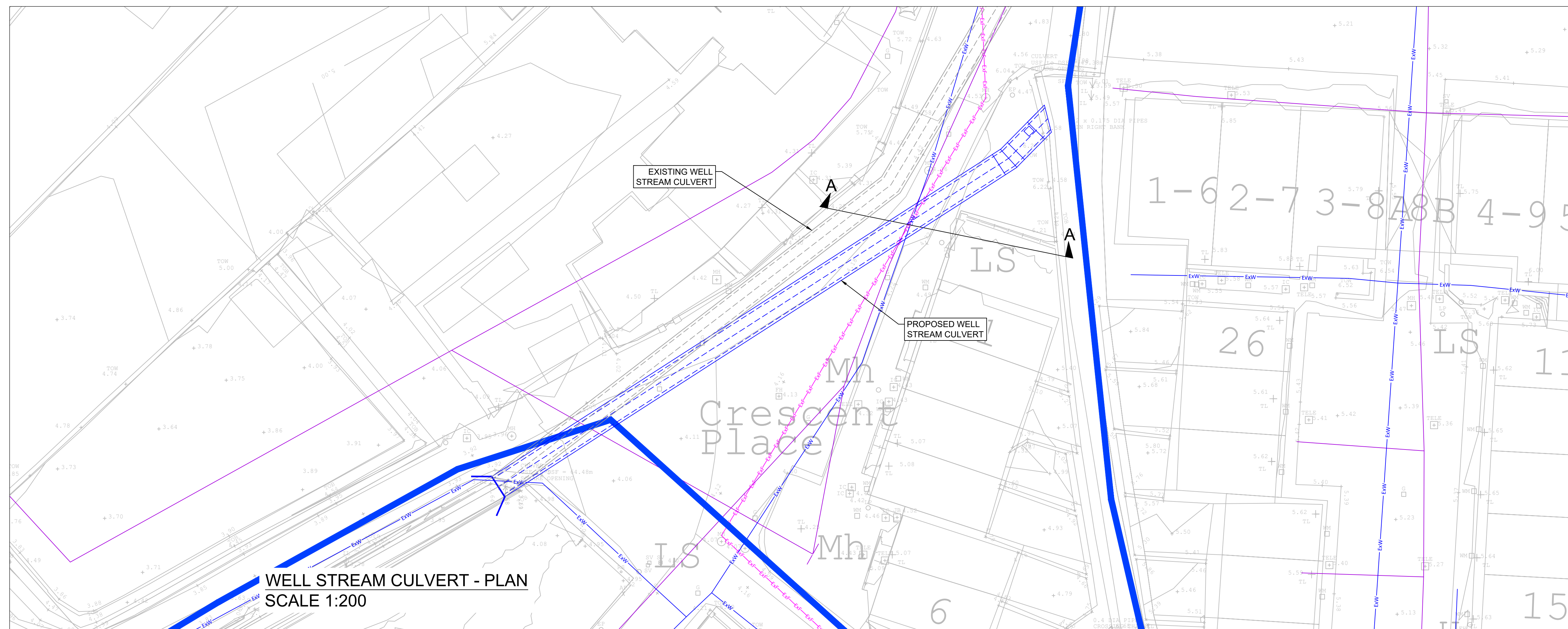
Project **KILKEE FLOOD RELIEF SCHEME**

Title **OPTION 1 OVERVIEW
VICTORIA AND WELL STREAMS**
for

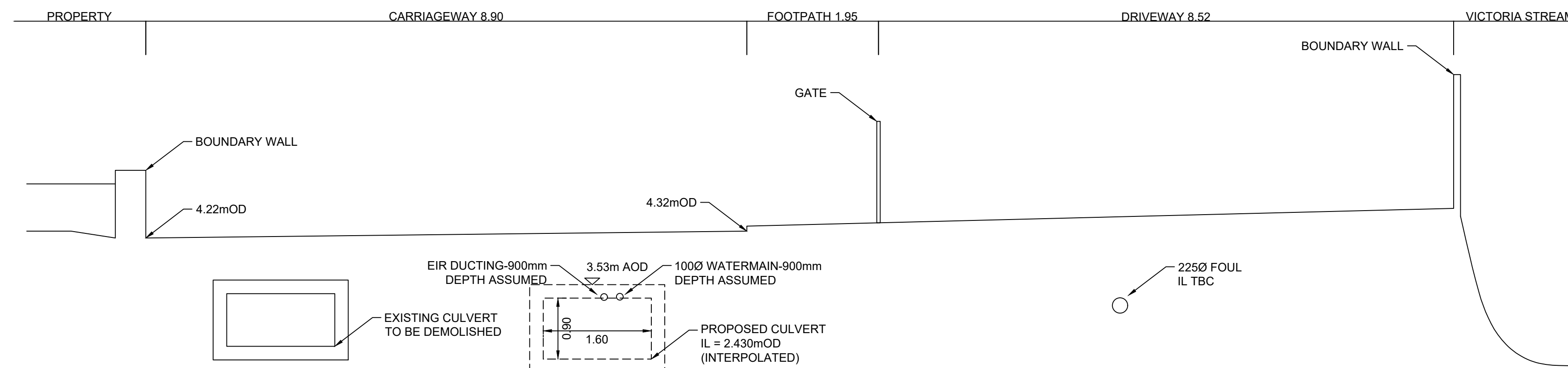
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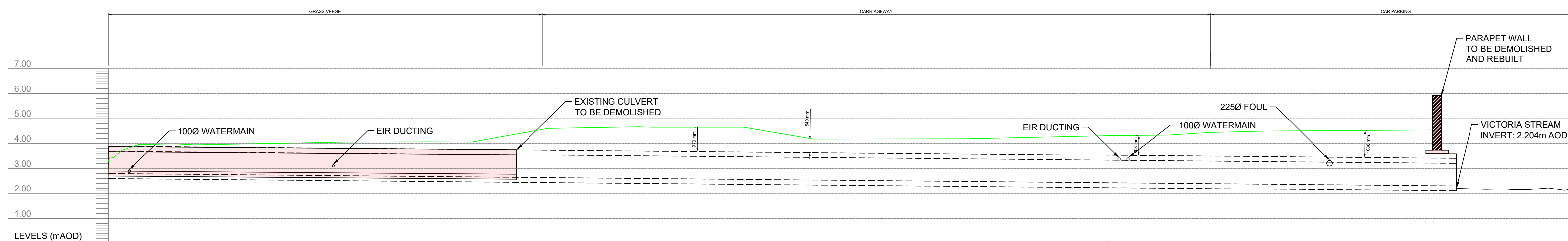
Drawn:	PB	28/07/2022	Designed:	PB	28/07/2022
Checked:	CJW	28/07/2022	Approved:	CJW	28/07/2022
Project Reference:	2019s1431 / CGD		Scale:	1:1250 @ A1	
Drawing Number:	19109-JBAI-XX-XX-DR-C-02070	Status:	S3	Revision:	P02
		Sheet Size:	A1		



WELL STREAM CULVERT - PLAN
SCALE 1:200



SECTION A-A WELL ROAD
SCALE 1:50



WELL STREAM CULVERT - LONGSECTION
SCALE 1:100

1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

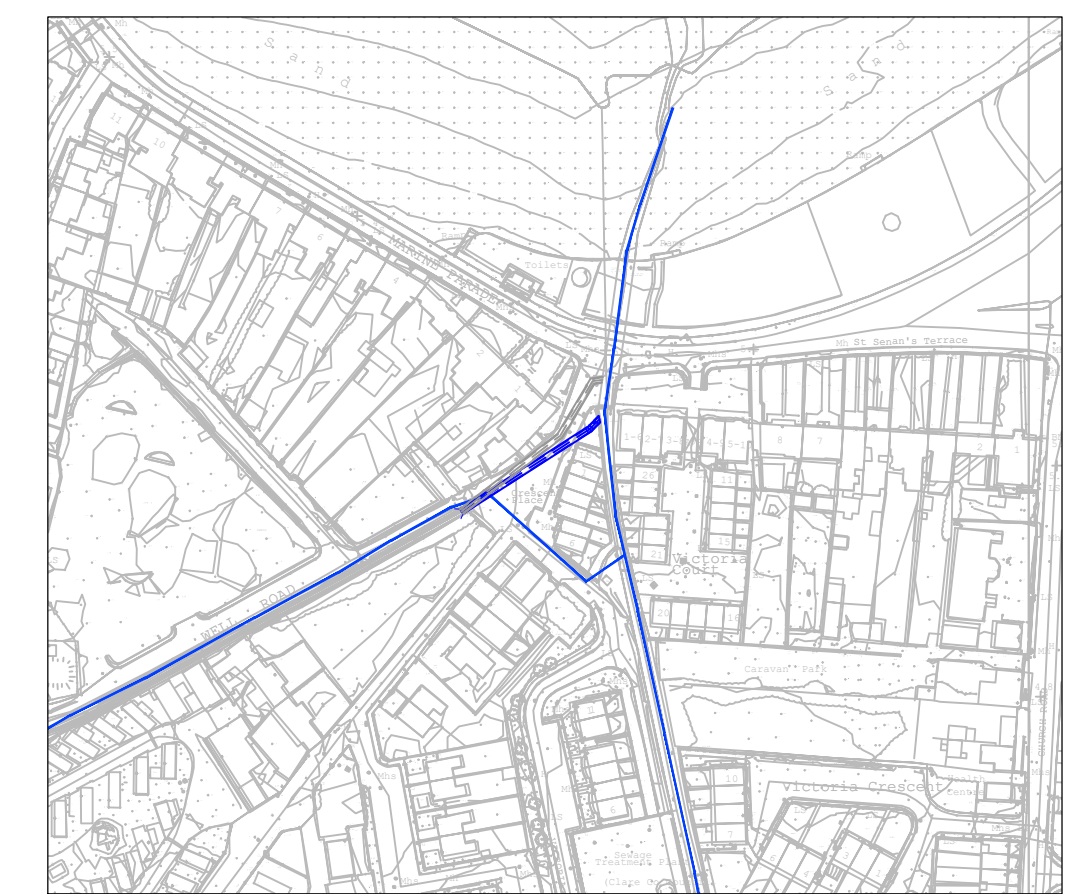
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LEGEND

- EXISTING WATERCOURSE
- PROPOSED BOX CULVERT
- EXISTING TELECOMS
- EXISTING FOUL / COMBINED SEWER
- EXISTING WATERMAIN

KEYPLAN



P02	Comments	PUBLIC PARTICIPATION DAY.								
Rev.:	Date	16/08/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	MOD
P01	Comments	INITIAL DRAWING.								
Rev.:	Date	22/12/21	Drawn	PB	Designed	PB	Checked	MOD	Approved	CJW

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Project **KILKEE FLOOD RELIEF SCHEME**

Title **WELL STREAM PROPOSED CULVERT**
for

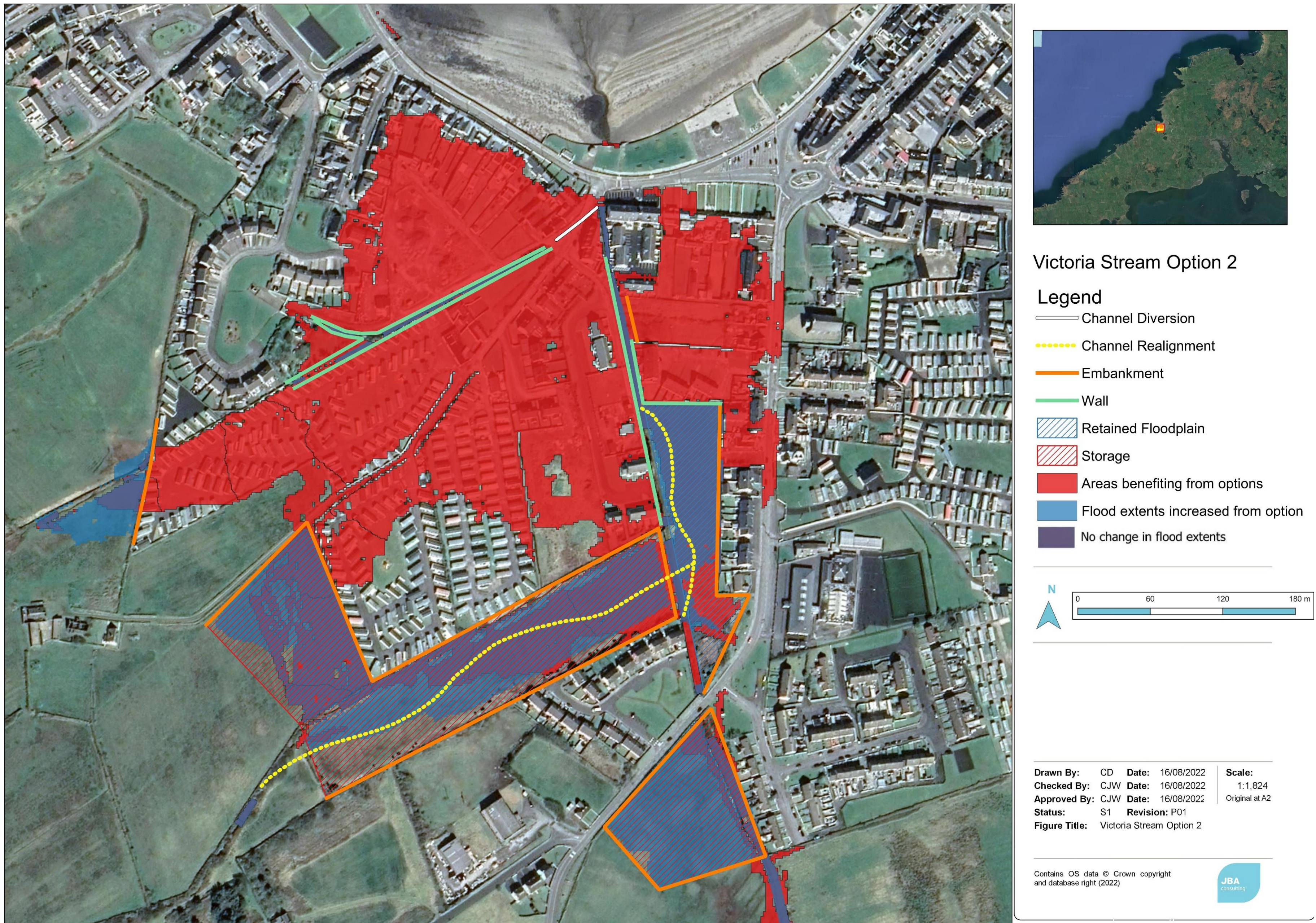
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Drawing Number:	19109-JBAI-XX-XX-DR-C-02004	Status:	S3	Revision:	P02
		Sheet Size:	A1		

Victoria Stream Option 2

Additional Storage



What's involved?

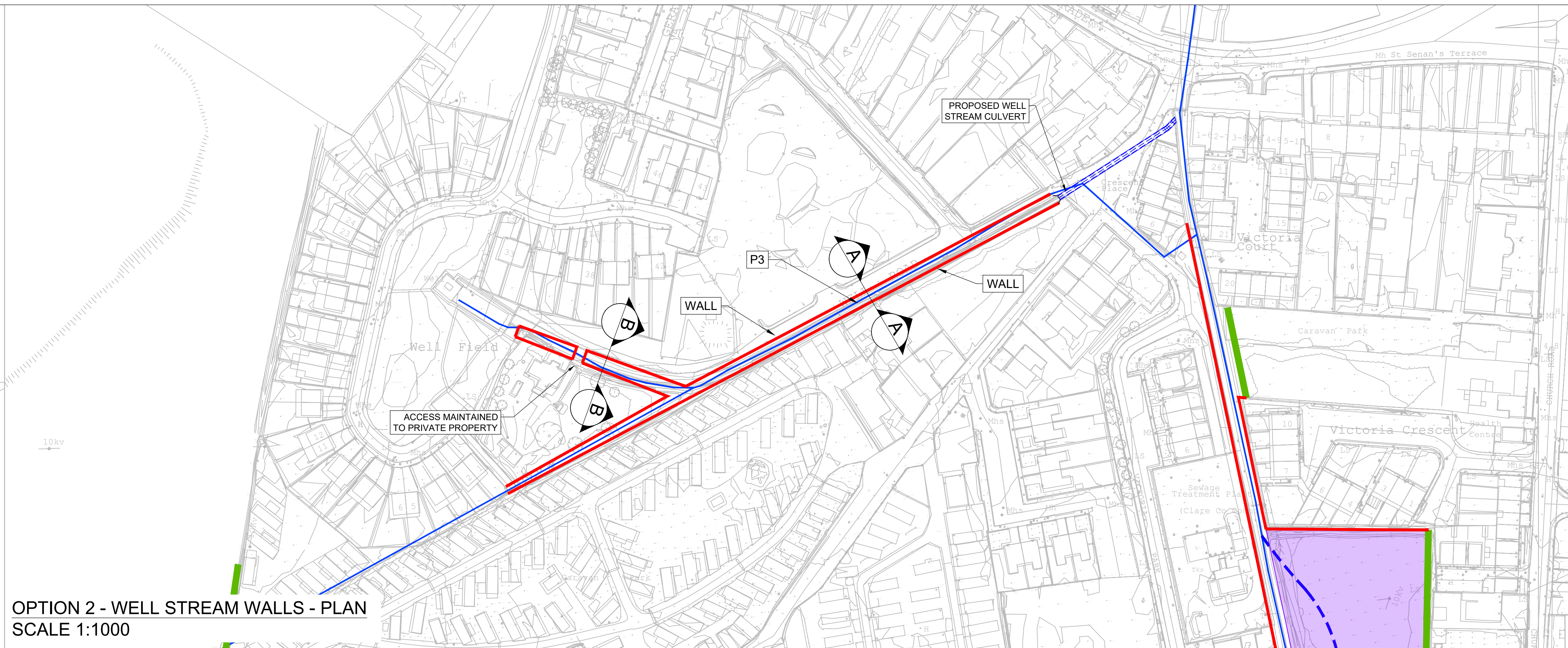
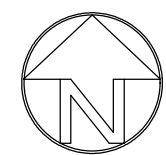
- Combination of Walls and embankments along the Well Stream and the Victoria Stream
- Channel Realignment and containment in the Church Road field
- Channel Realignment and storage in the form of constructed wetlands on the Western Tributary
- Construction of new outfall culvert from Well Stream to Victoria Stream
- Storage in the form of constructed wetland on the Victoria Stream

Benefits

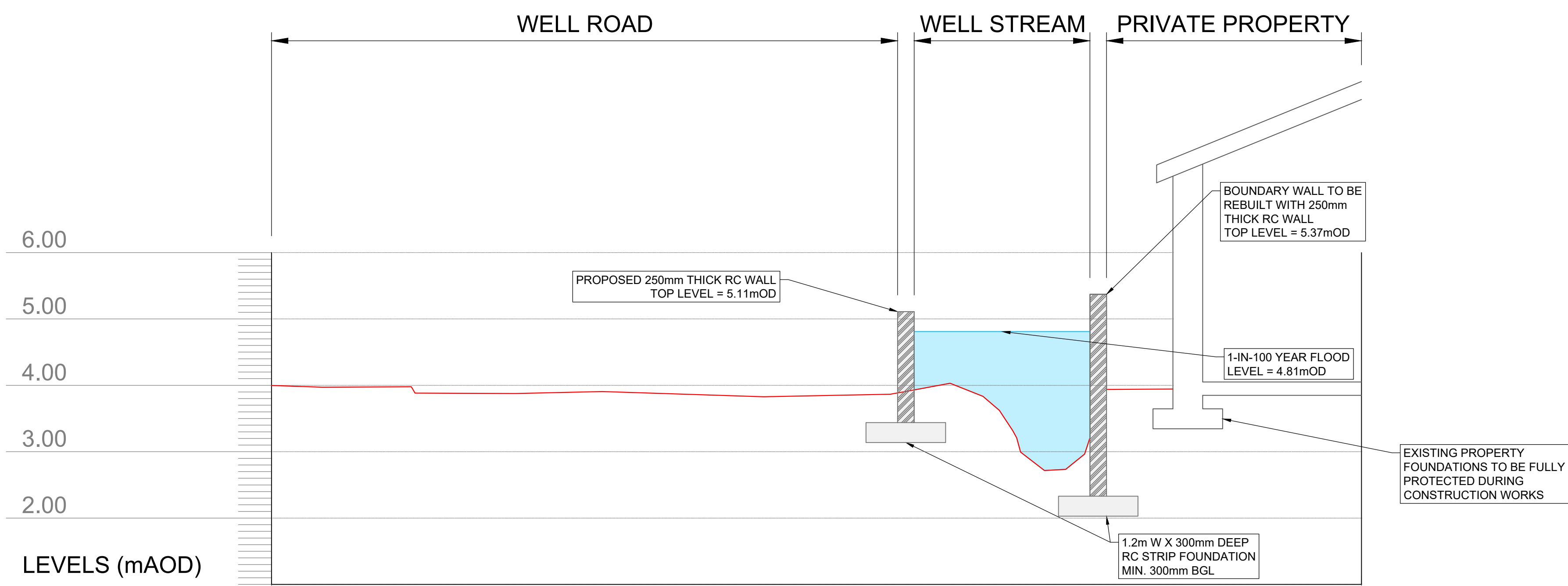
- Proposed defences protect a large number of properties from flooding
- Additional storage area reduces the height of walls/embankments needed downstream by 0.12m
- Constructed wetlands have ecological and water quality benefits

Constraints

- Increases flood extents upstream of the Well Stream, however this area is greenspace so has no risk receptors
- Requires use of land which is not in floodplain for storage

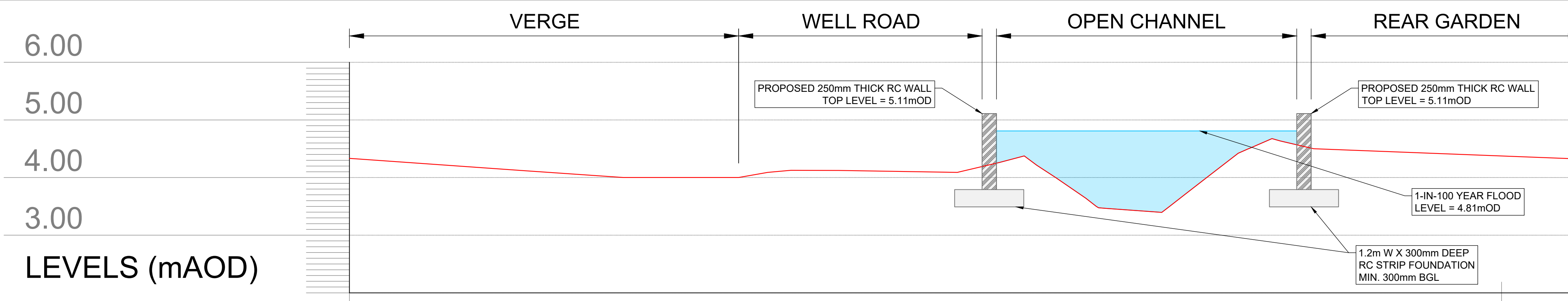


OPTION 2 - WELL STREAM WALLS - PLAN
SCALE 1:1000



SECTION A-A
SCALE 1:50

LEVELS (mAOD)



SECTION B-B
SCALE 1:50

LEVELS (mAOD)

1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

In addition to the hazards/risks normally associated with the types of work detailed on this drawing take note of the above.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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LEGEND

- EXISTING WATERCOURSE
- PROPOSED FLOOD DEFENSE WALL
- PROPOSED BOX CULVERT

OPTION 2			
REPORTING POINT	EMBANKMENT LEVEL (mOD)	WALL LEVEL (mOD)	1% AEP FLOOD LEVEL (mOD)
P3 (WELL STREAM AT CCC COMPOUND)	-	5.11	4.81

P02	Comments	PUBLIC PARTICIPATION DAY.								
Rev.:	Date	16/08/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
P01	Comments	INITIAL DRAWING.								
Rev.:	Date	28/07/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW

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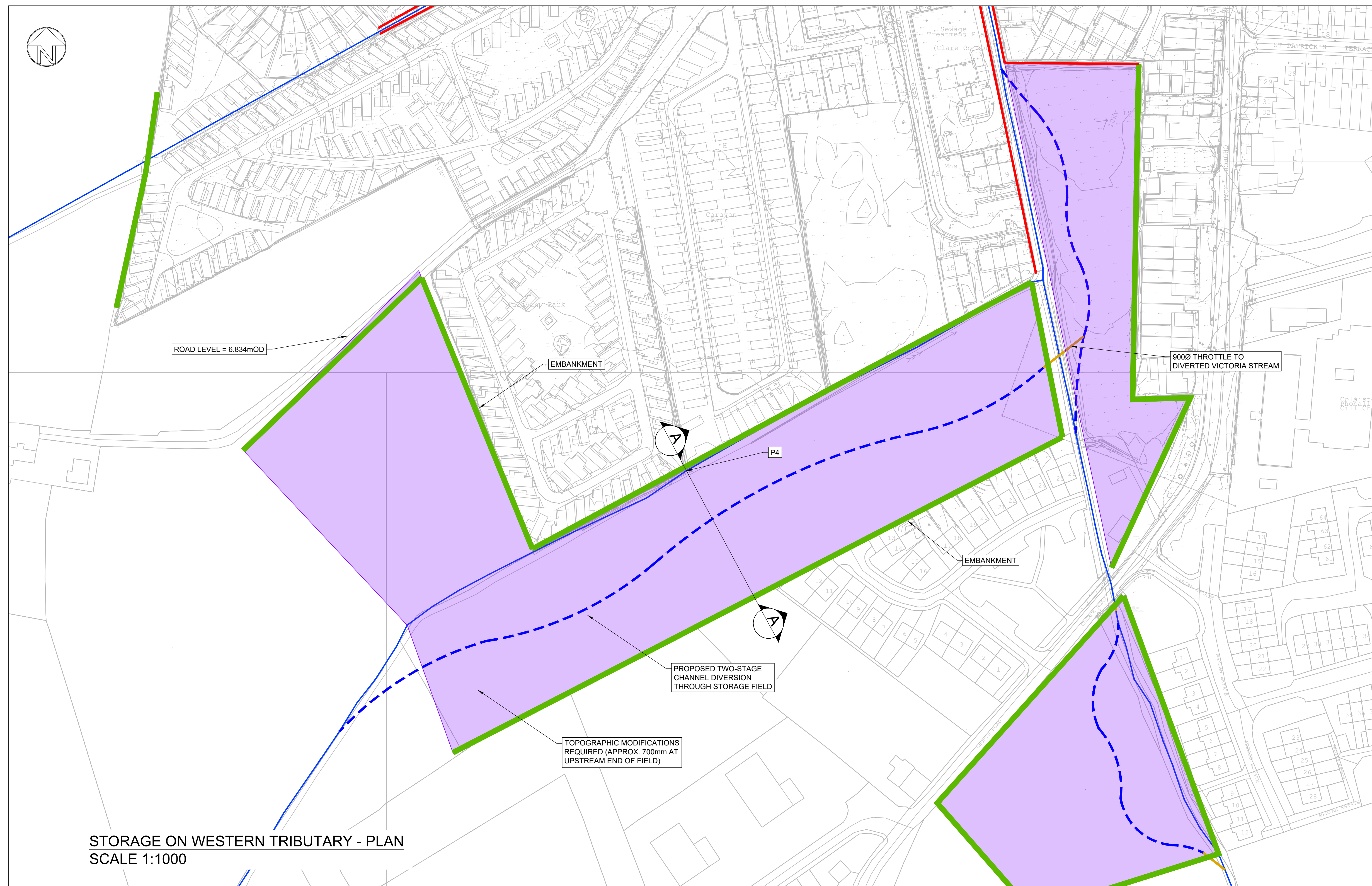
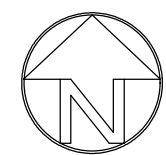
Project
KILKEE FLOOD RELIEF SCHEME

Title
**WELL STREAM WALLS
OPTION 2 MEASURES**
for

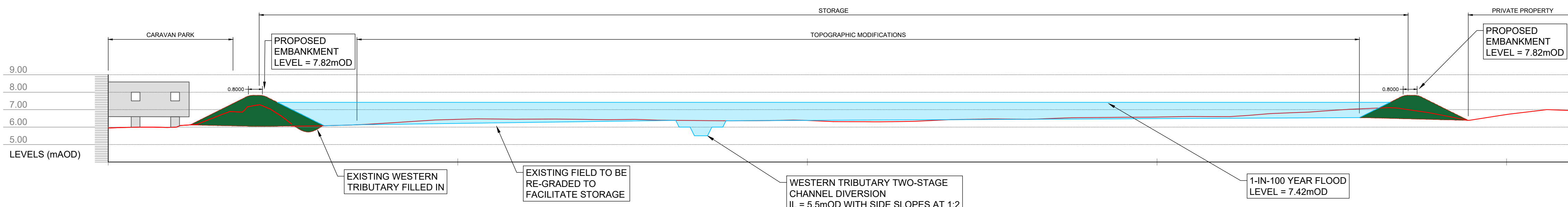
Client
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		Sheet Size:	A1		



STORAGE ON WESTERN TRIBUTARY - PLAN
SCALE 1:1000



SECTION A-A
SCALE 1:150

1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

In addition to the hazards/risks normally associated with the types of work detailed on this drawing take note of the above.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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LEGEND

	EXISTING WATERCOURSE
	PROPOSED OPEN CHANNEL DIVERSION
	PROPOSED FLOOD DEFENSE WALL
	PROPOSED EMBANKMENT
	PROPOSED CULVERT
	STORAGE EXTENTS

OPTION 2			
REPORTING POINT	EMBANKMENT LEVEL (mOD)	WALL LEVEL (mOD)	1% AEP FLOOD LEVEL (mOD)
P4 (CARAVAN FIELD)	7.82	-	7.42

P02	Comments	PUBLIC PARTICIPATION DAY.								
Rev.:	Date	16/08/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
P01	Comments	INITIAL DRAWING.								
Rev.:	Date	07/07/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
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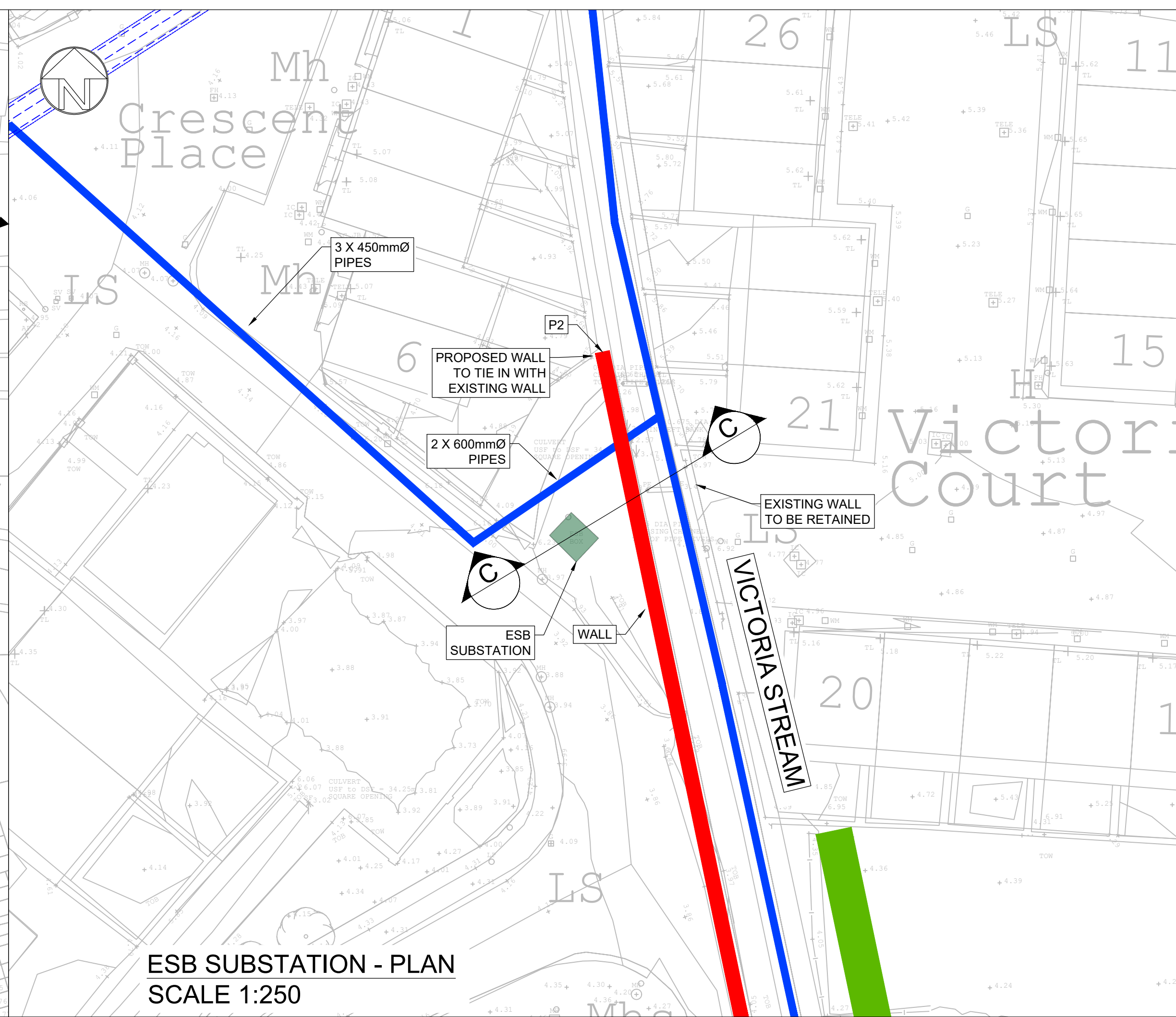
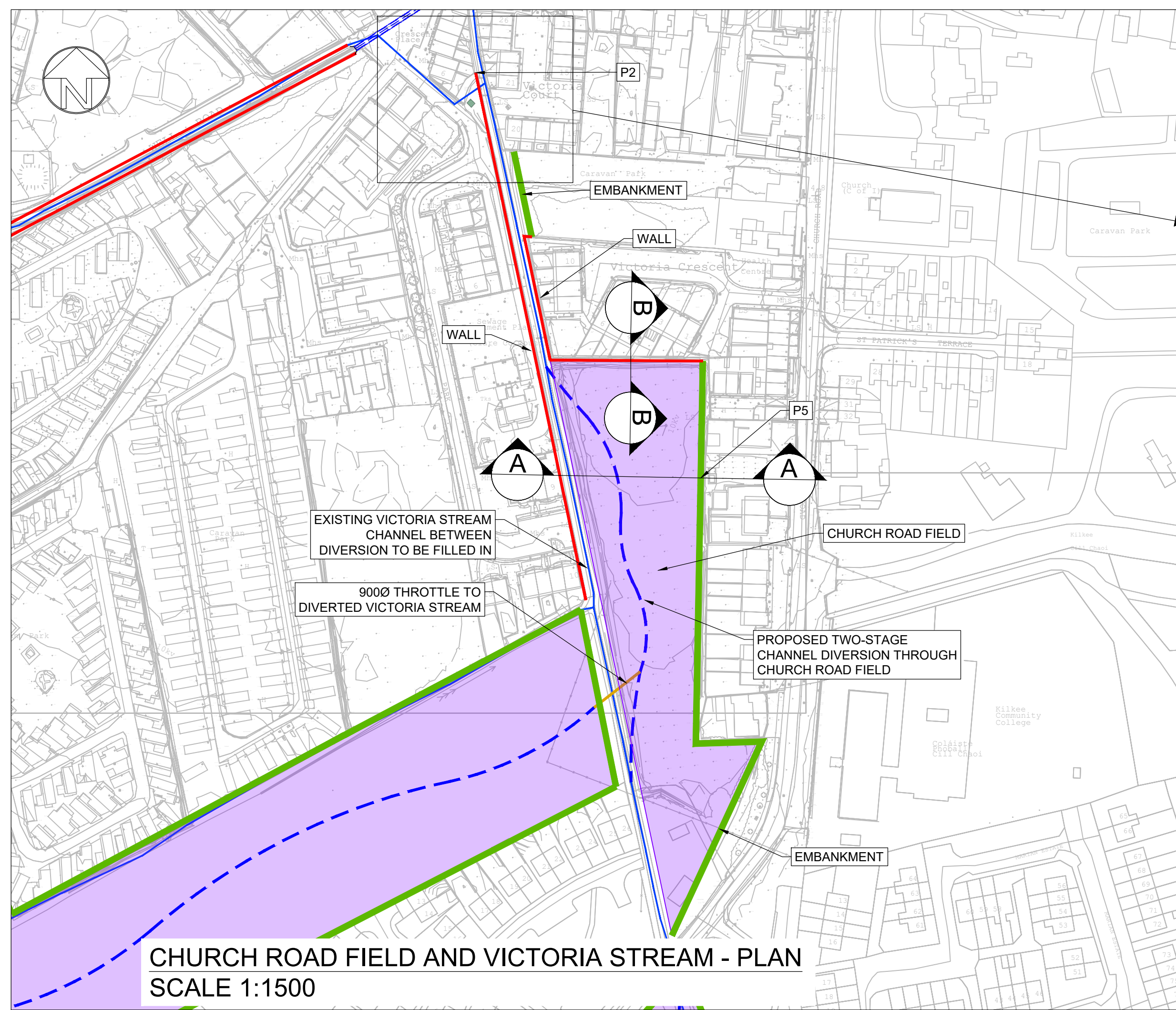


Project
KILKEE FLOOD RELIEF SCHEME

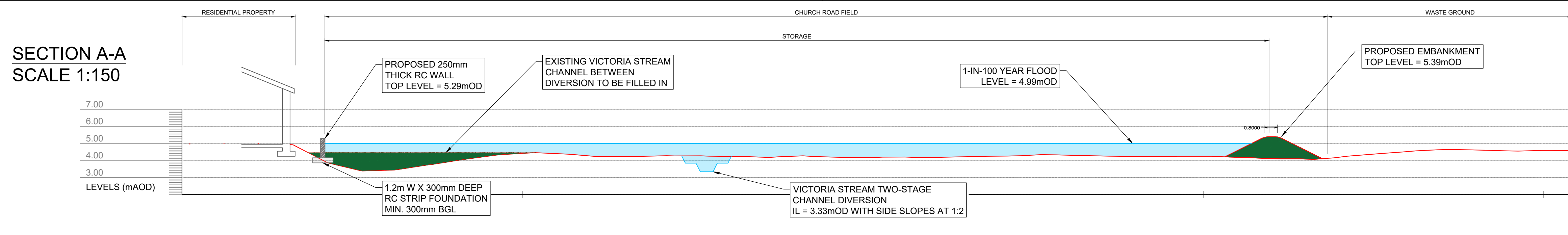
Title
P02
**STORAGE ON WESTERN TRIBUTARY
OPTION 2 MEASURES**
for
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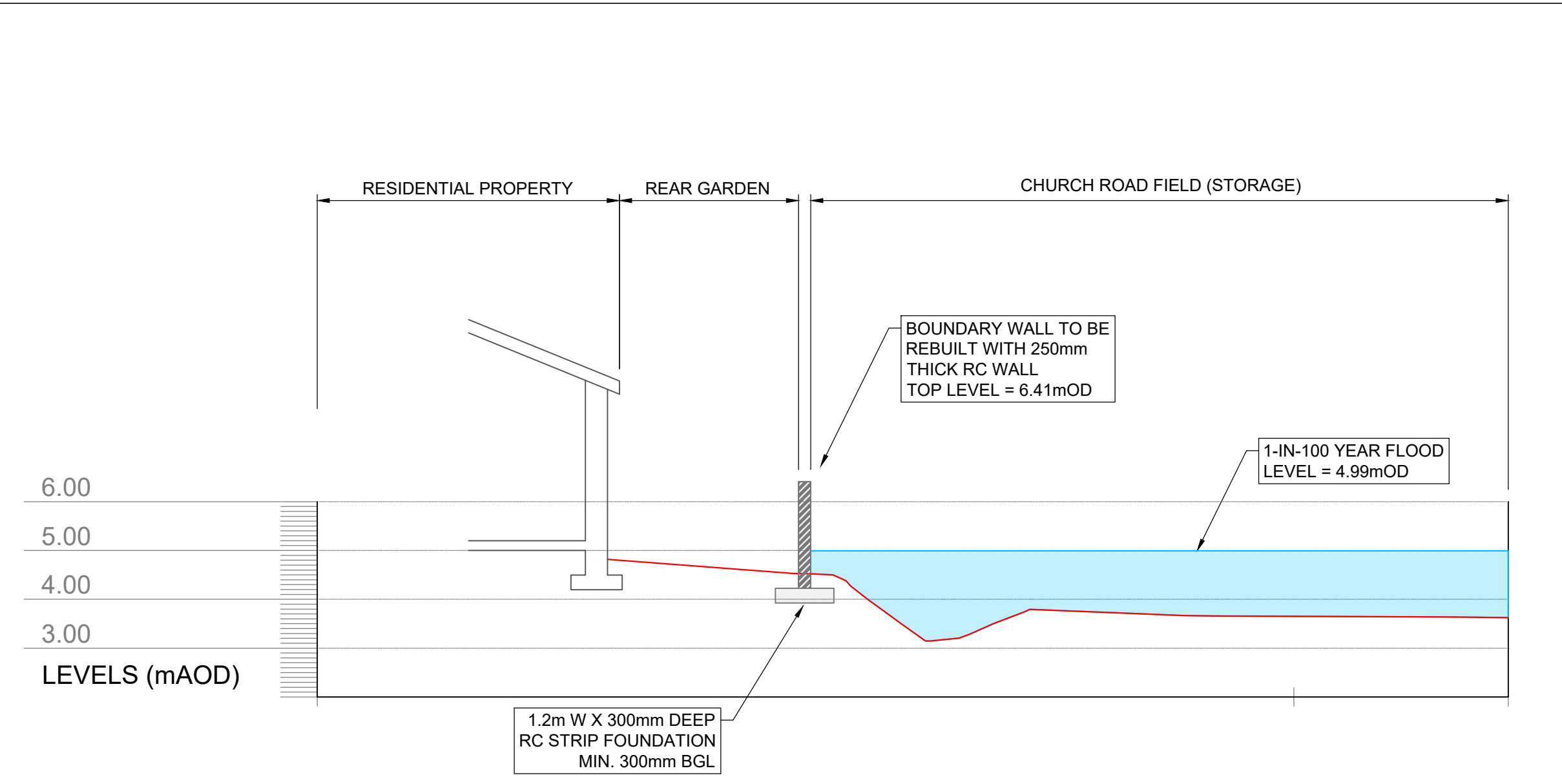
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Checked:	CJW	07/07/2022	Approved:	CJW	07/07/2022
Project Reference:	2019s1431 / CGD		Scale:	AS SHOWN @ A1	
Drawing Number:	19109-JBAI-XX-XX-DR-C-02028	Status:	S3	Revision:	P02
		Sheet Size:	A1		



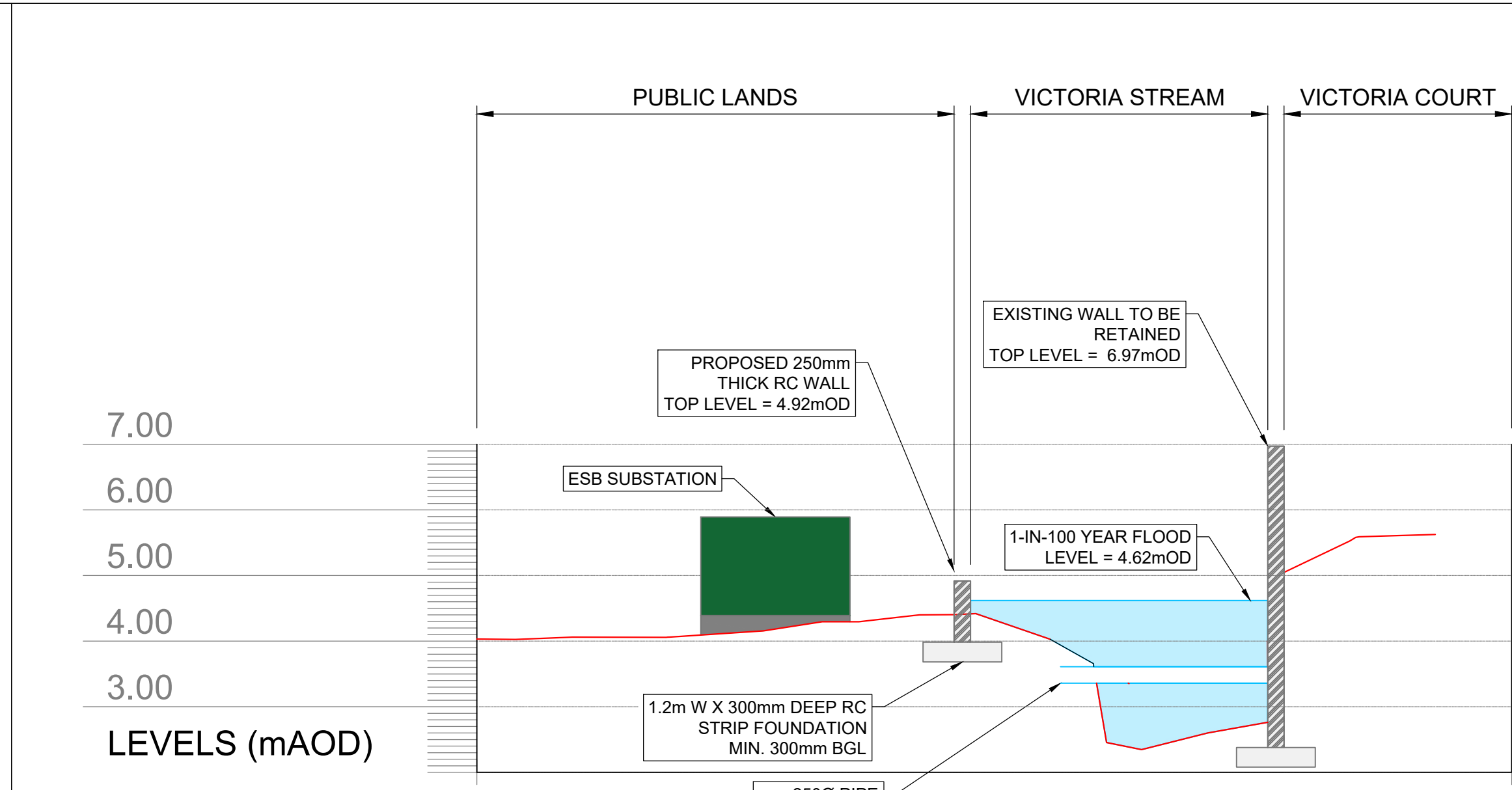
SECTION A-A
SCALE 1:150



SECTION B-B
SCALE 1:100



SECTION C-C
SCALE 1:75



1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

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LEGEND

	EXISTING WATERCOURSE
	PROPOSED OPEN CHANNEL DIVERSION
	PROPOSED FLOOD DEFENSE WALL
	PROPOSED EMBANKMENT
	PROPOSED CULVERT
	PROPOSED BOX CULVERT
	STORAGE EXTENTS

OPTION 2

REPORTING POINT	EMBANKMENT LEVEL (mOD)	WALL LEVEL (mOD)	1% AEP FLOOD LEVEL (mOD)
P2 (U/S OF SERVICE CROSSING ON VICTORIA)	-	4.92	4.62
P5 (CHURCH ROAD FIELD)	5.39	5.29	4.99

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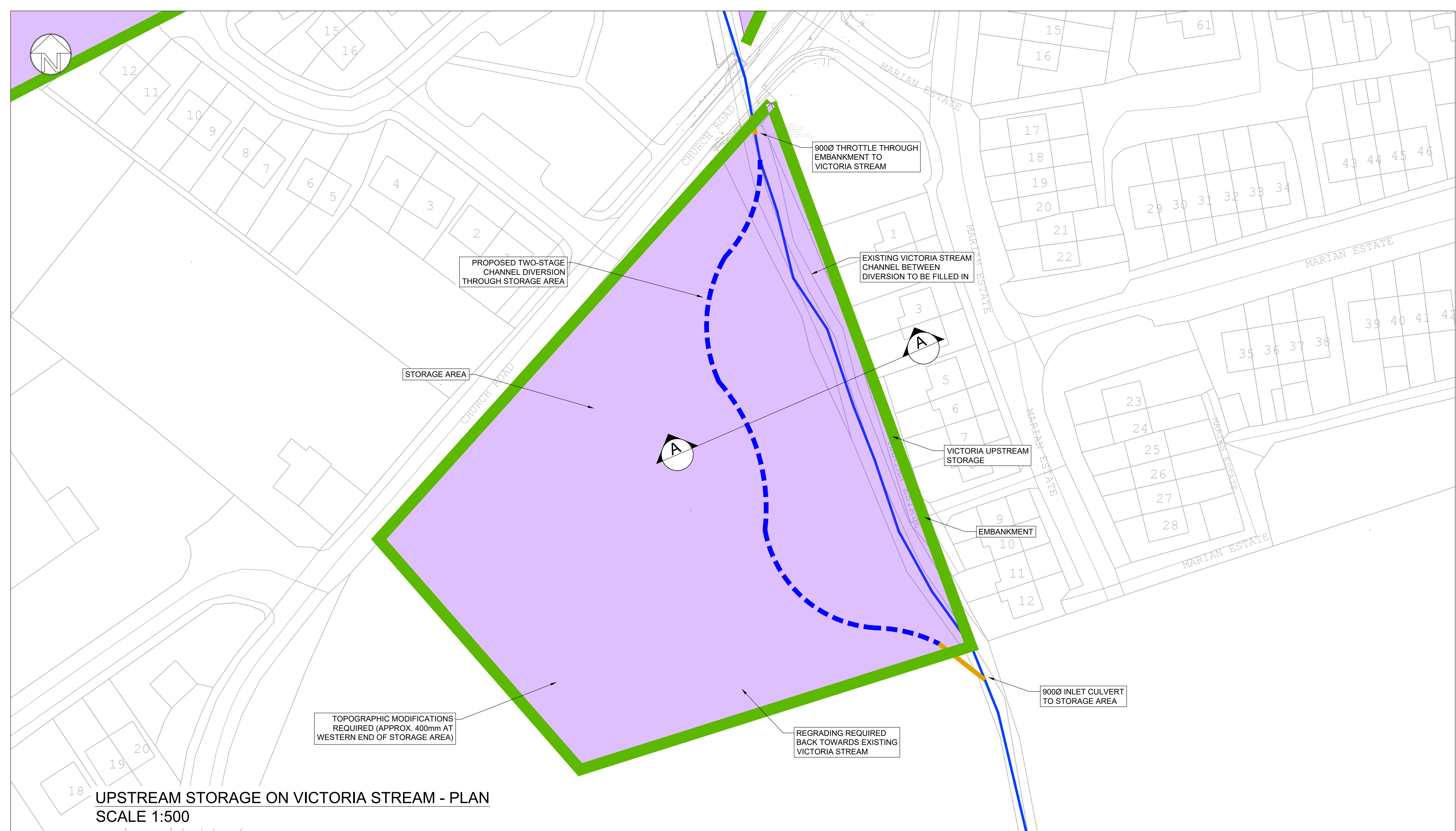
Project
KILKEE FLOOD RELIEF SCHEME

Title
CHURCH ROAD FIELD AND VICTORIA STREAM
OPTION 2 MEASURES

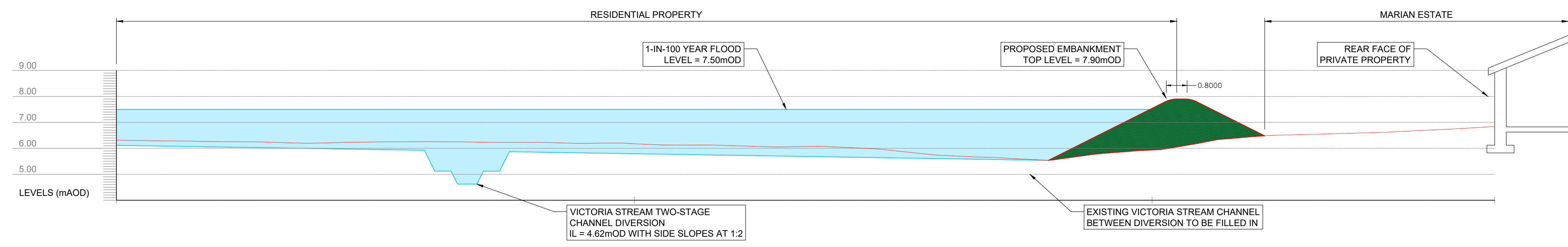
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		Sheet Size:	A1		



18 UPSTREAM STORAGE ON VICTORIA STREAM - PLAN
SCALE 1:500



SECTION A-A
SCALE 1:100

1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

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LEGEND

	EXISTING WATERCOURSE
	PROPOSED OPEN CHANNEL DIVERSION
	PROPOSED EMBANKMENT
	PROPOSED CULVERT
	STORAGE EXTENTS

OPTION 2

REPORTING POINT	EMBANKMENT LEVEL (mOD)	WALL LEVEL (mOD)	1% AEP FLOOD LEVEL (mOD)
VICTORIA UPSTREAM STORAGE	7.90	-	7.50

P02	Comments	PUBLIC PARTICIPATION DAY.								
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Rev.:	Date	07/07/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW

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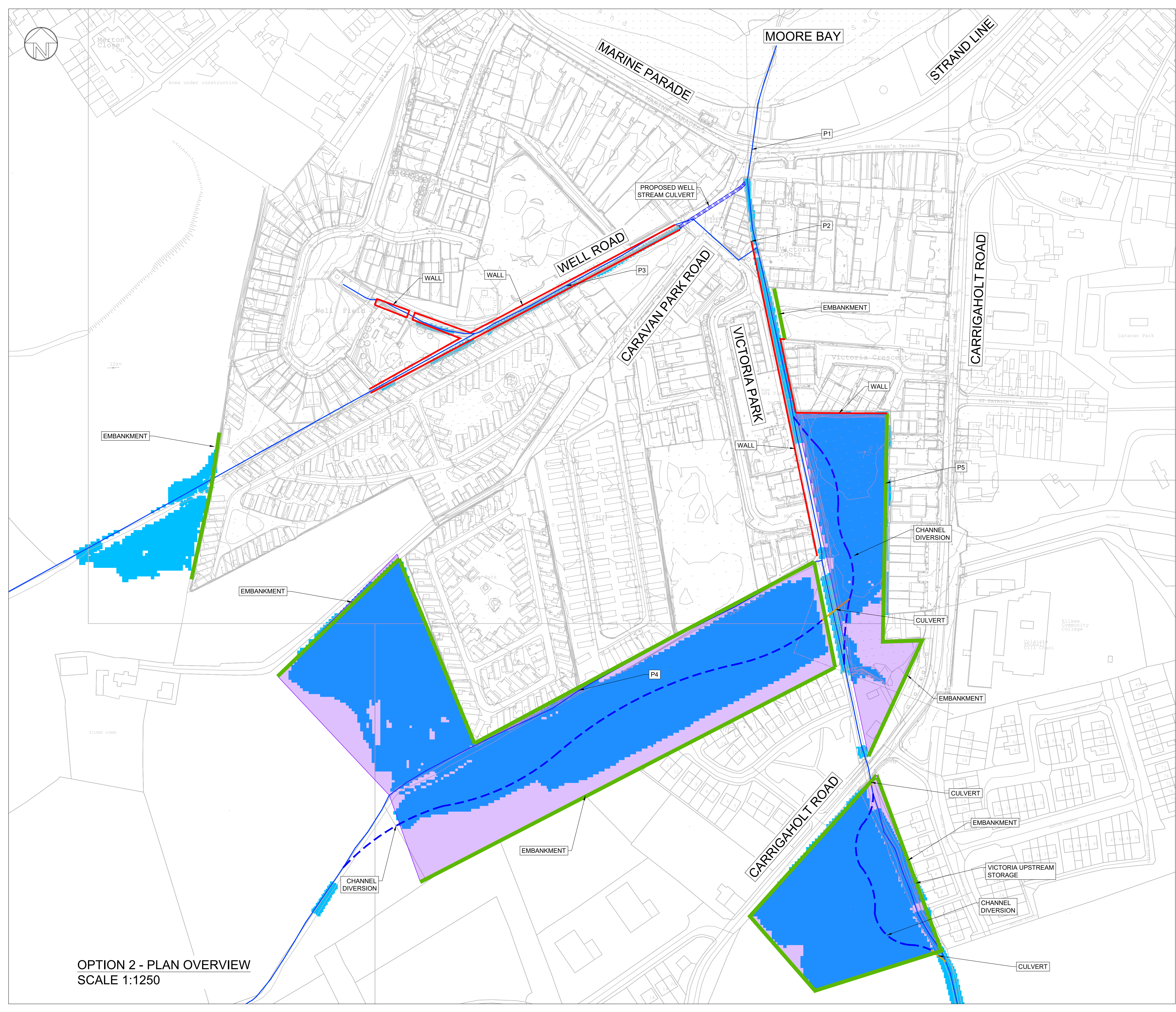
Project **KILKEE FLOOD RELIEF SCHEME**

Title **UPSTREAM STORAGE ON VICTORIA STREAM
OPTION 2 MEASURES**

Client **CLARE COUNTY COUNCIL**

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Drawing Number:	19109-JBAI-XX-XX-DR-C-02033	Status:	S3	Revision:	P02
		Sheet Size:	A1		



OPTION 2 - PLAN OVERVIEW
SCALE 1:1250

1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

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LEGEND

	EXISTING WATERCOURSE
	PROPOSED OPEN CHANNEL DIVERSION
	PROPOSED FLOOD DEFENSE WALL
	PROPOSED EMBANKMENT
	PROPOSED CULVERT
	PROPOSED BOX CULVERT
	STORAGE EXTENTS
	POST-SCHEME FLOOD EXTENTS

OPTION 2			
REPORTING POINT	EMBANKMENT LEVEL (mOD)	WALL LEVEL (mOD)	1% AEP FLOOD LEVEL (mOD)
P1 (VICTORIA STREAM OUTFALL CULVERT)	-	-	4.53
P2 (J/S OF SERVICE CROSSING ON VICTORIA)	-	4.92	4.62
P3 (WELL STREAM AT CCC COMPOUND)	-	5.11	4.81
P4 (CARAVAN FIELD)	7.82	-	7.42
P5 (CHURCH ROAD FIELD)	5.39	5.29	4.99
VICTORIA UPSTREAM STORAGE	7.90	-	7.50

P02	Comments	PUBLIC PARTICIPATION DAY.								
Rev.:	Date	16/08/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
P01	Comments	INITIAL DRAWING.								
Rev.:	Date	28/07/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW

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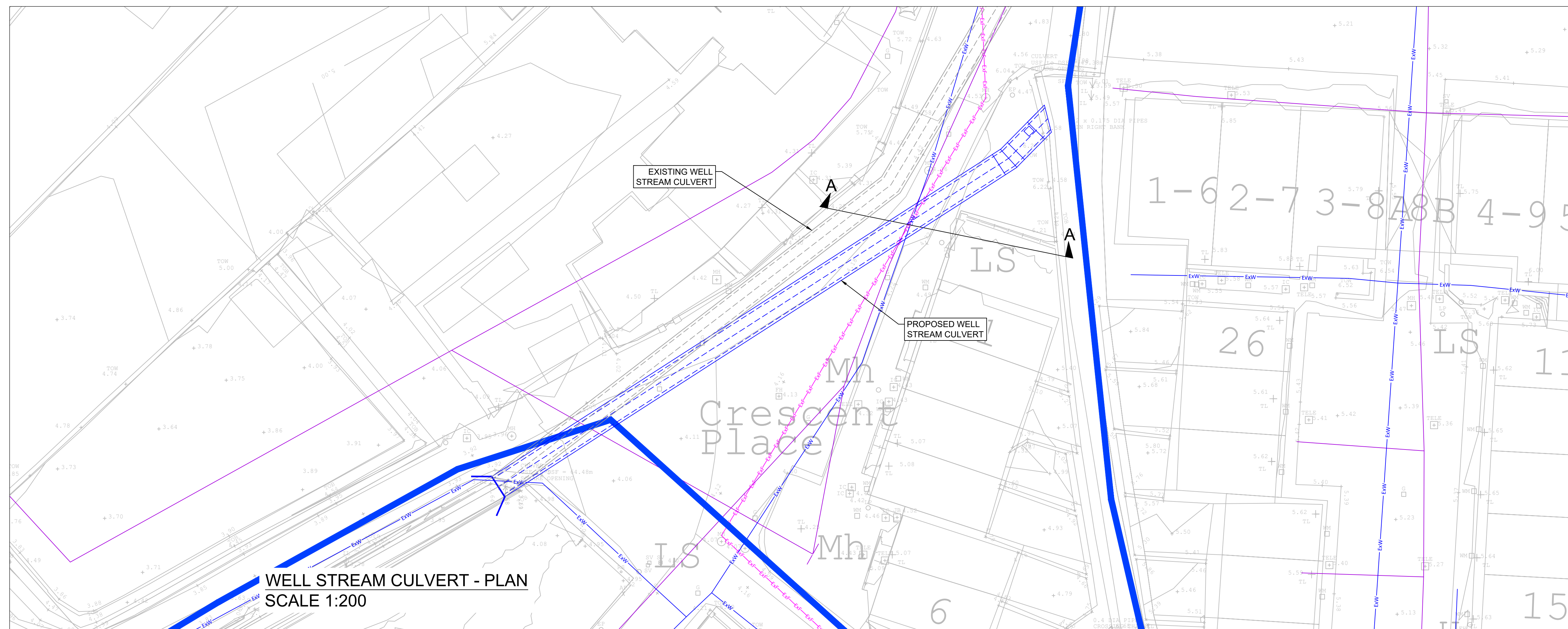
Project **KILKEE FLOOD RELIEF SCHEME**

Title **OPTION 2 OVERVIEW
VICTORIA AND WELL STREAMS**
for

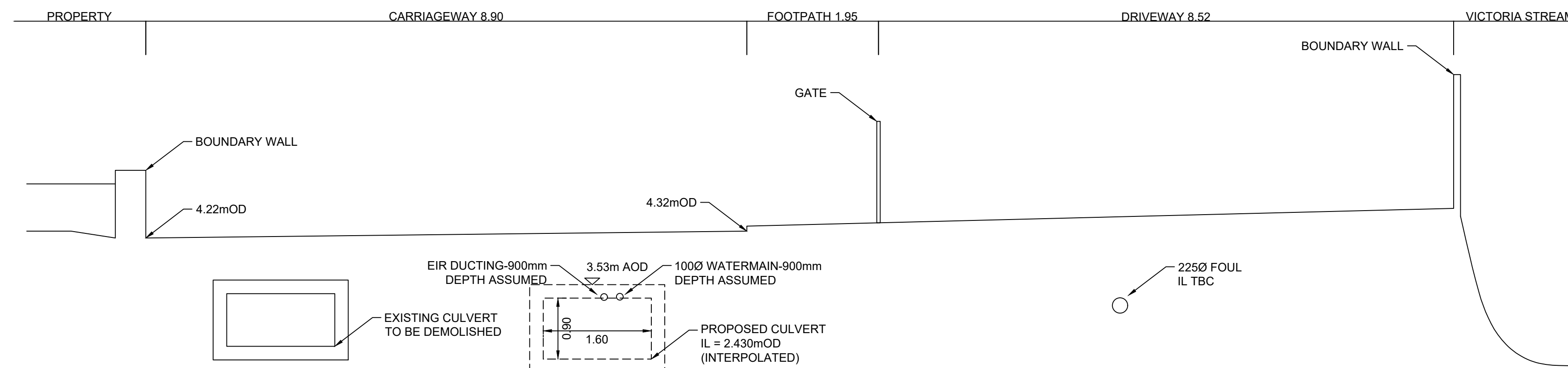
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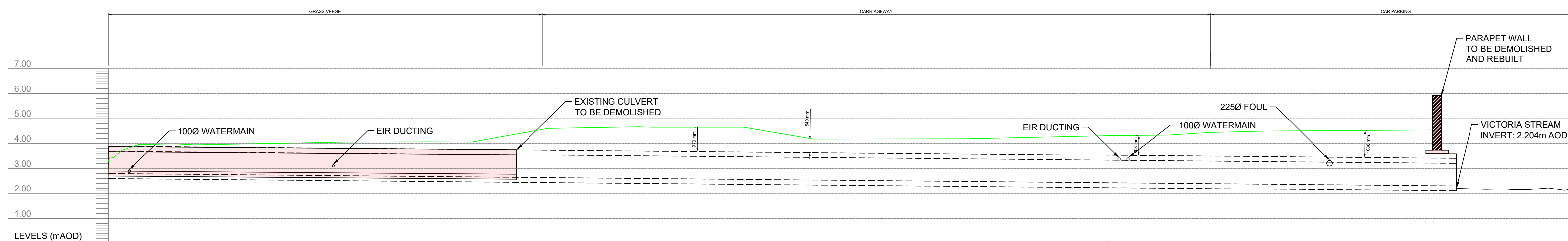
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WELL STREAM CULVERT - PLAN
SCALE 1:200



SECTION A-A WELL ROAD
SCALE 1:50



WELL STREAM CULVERT - LONGSECTION
SCALE 1:100

1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

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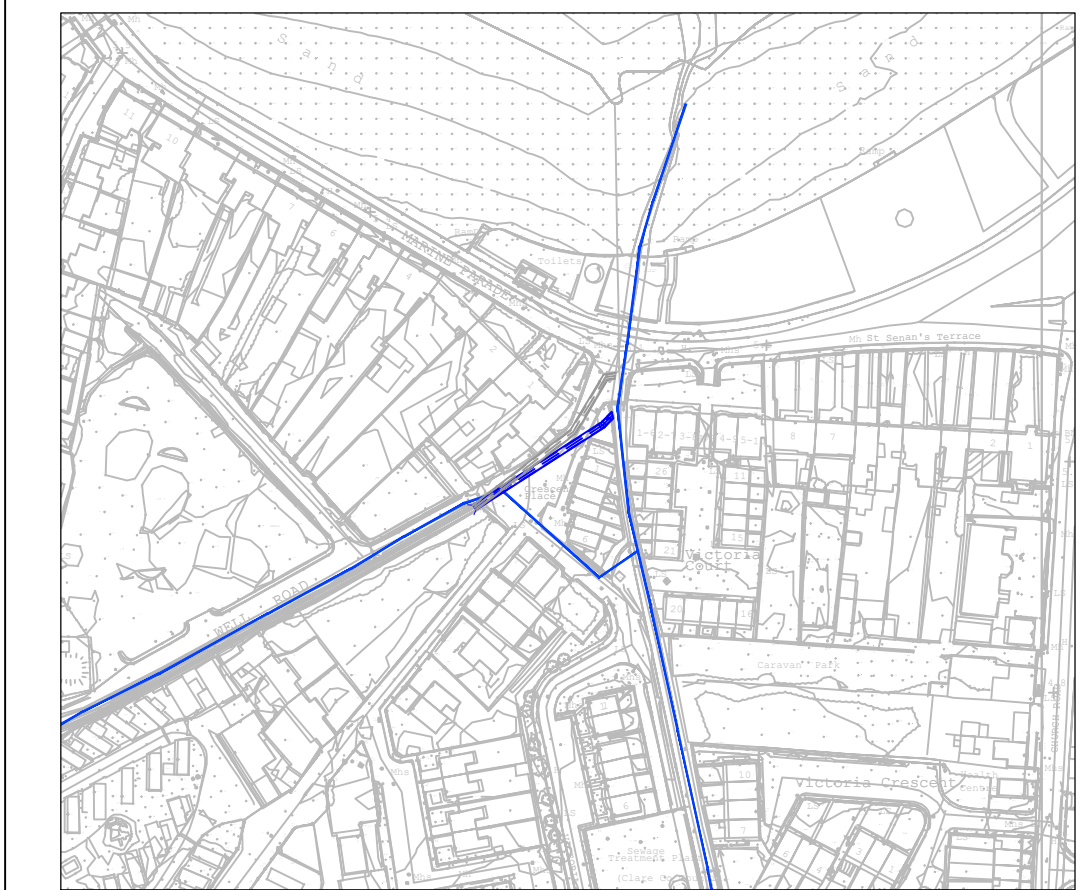
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LEGEND

	EXISTING WATERCOURSE
	PROPOSED BOX CULVERT
	EXISTING TELECOMS
	EXISTING FOUL / COMBINED SEWER
	EXISTING WATERMAIN

KEYPLAN



P02	Comments	PUBLIC PARTICIPATION DAY.								
Rev.:	Date	16/08/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	MOD
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Rev.:	Date	22/12/21	Drawn	PB	Designed	PB	Checked	MOD	Approved	CJW

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Project **KILKEE FLOOD RELIEF SCHEME**

Title **WELL STREAM PROPOSED CULVERT**
for

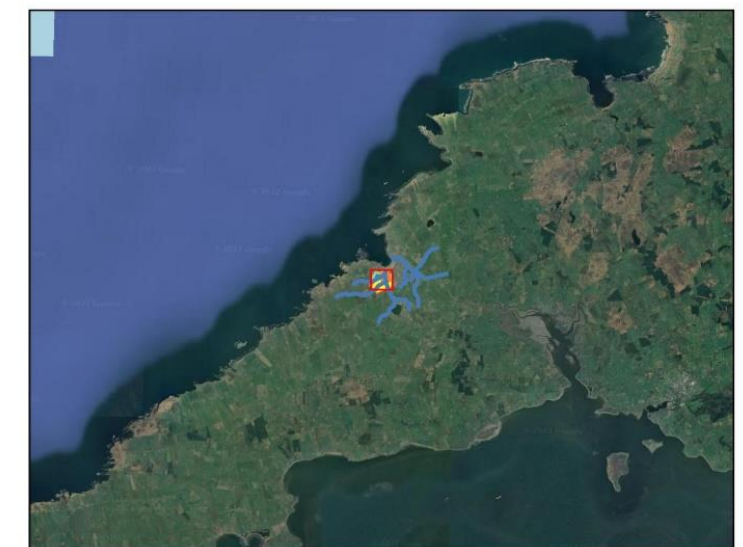
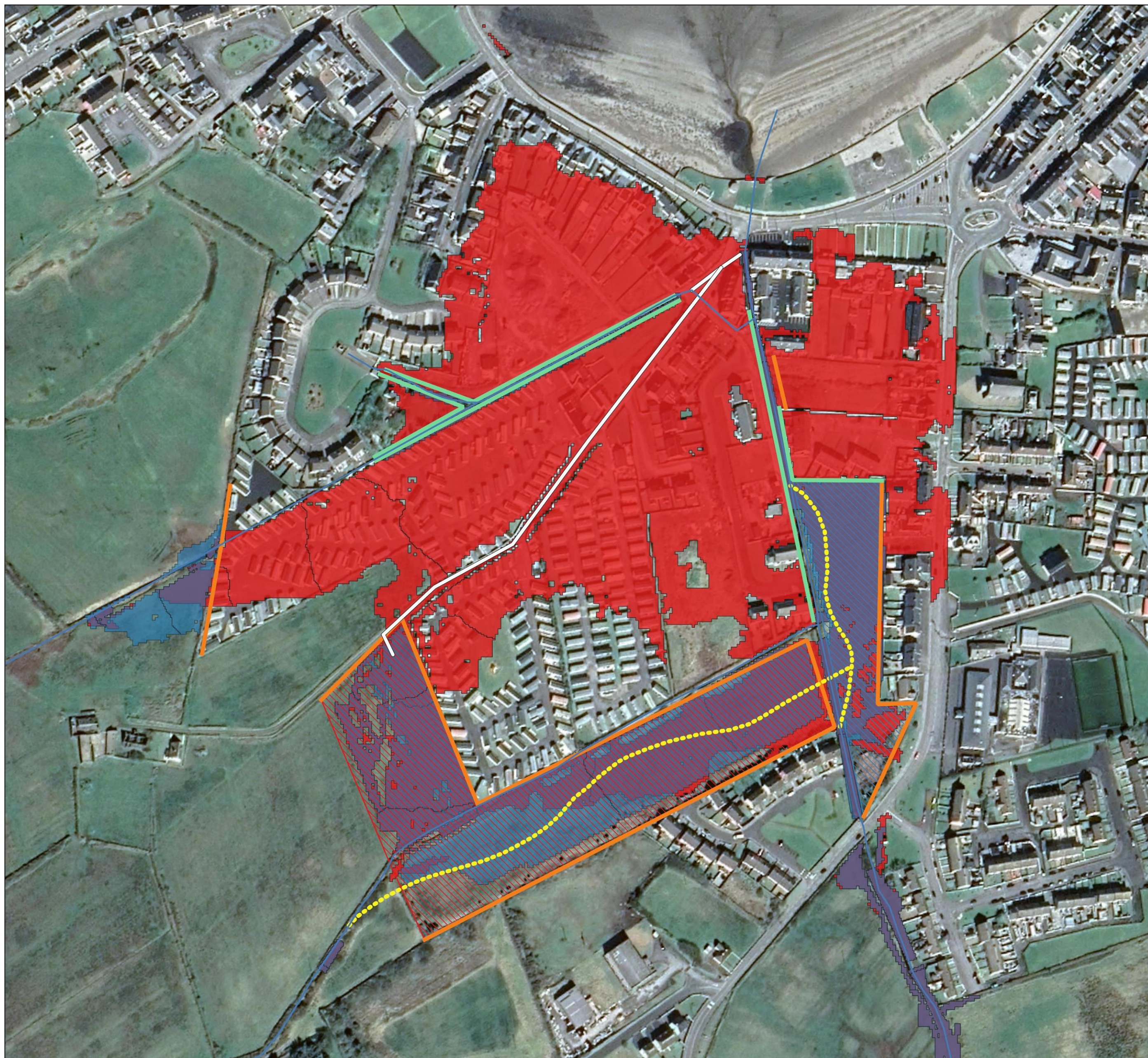
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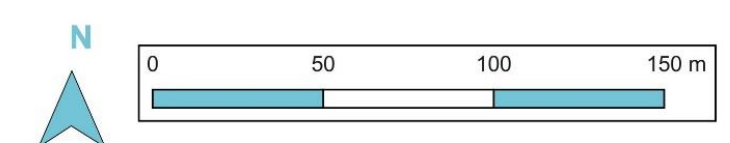
Victoria Stream Option 3

Diversions



Victoria Stream Option 3

- Legend**
- Channel Diversion
 - - - Channel Realignment
 - Embankment
 - Wall
 - ▨ Retained Floodplain
 - ▨ Storage
 - ▨ Flood Extents increased from option
 - ▨ Areas benefiting from option
 - ▨ No change in flood extents



Drawn By: CD Date: 05/07/2022 Scale: 1:1,792
 Checked By: CJW Date: 05/07/2022 Original at A2
 Approved By: CJW Date: 05/07/2022
 Status: S1 Revision: P01
 Figure Title: Victoria Stream Option 3

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What's involved?

- Combination of Walls and embankments along the Well and the Victoria Stream
- Channel Realignment and containment in the Church Road field
- Channel Realignment and storage in the form of constructed wetlands on the Western Tributary
- Construction of new outfall culvert from Well Stream to Victoria Stream
- Culvert Diversion from Western Tributary Storage area to Well Stream outfall culvert into the Victoria Stream

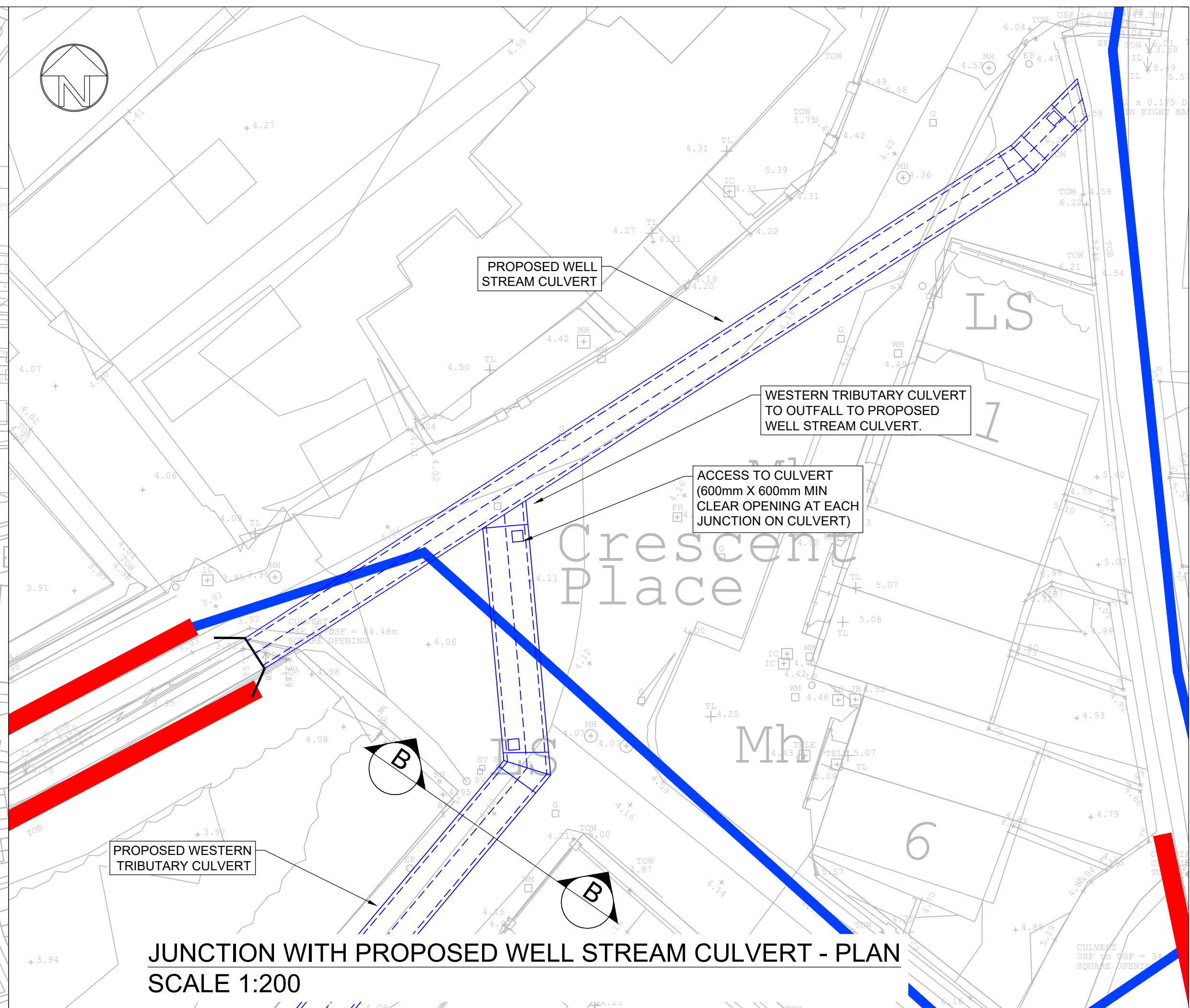
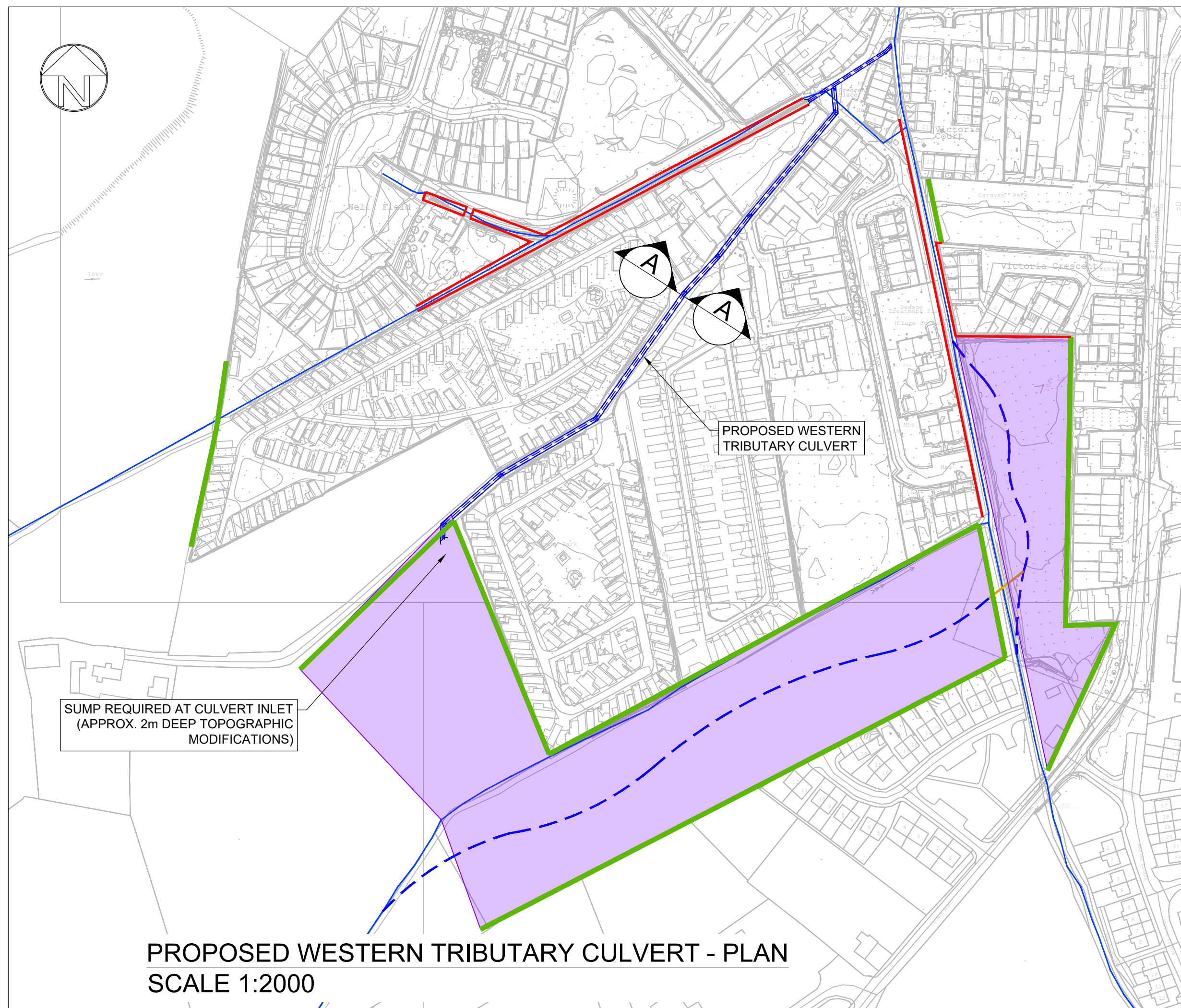
Benefits

- Proposed defences protect a large number of properties from flooding
- Diversion culvert results in reduced the height of defences needed downstream on Victoria Stream by 0.17m
- Constructed wetlands have ecological and water quality benefits

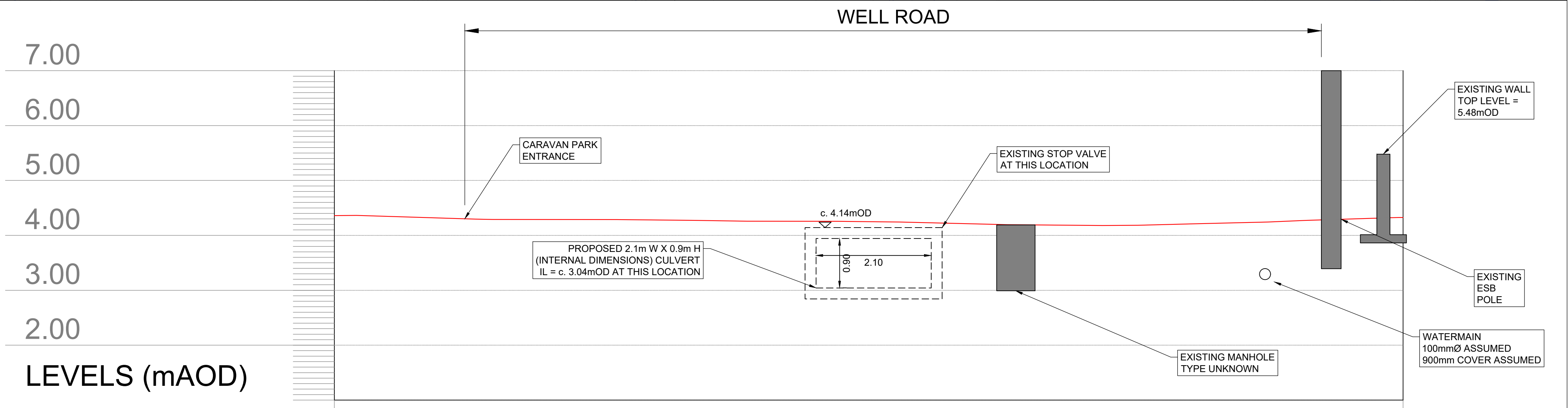
Constraints

- Increases flood extents upstream of the Well Stream, however this area is greenspace so has no risk receptors
- Increased height of embankments needed at Western tributary by 0.55m

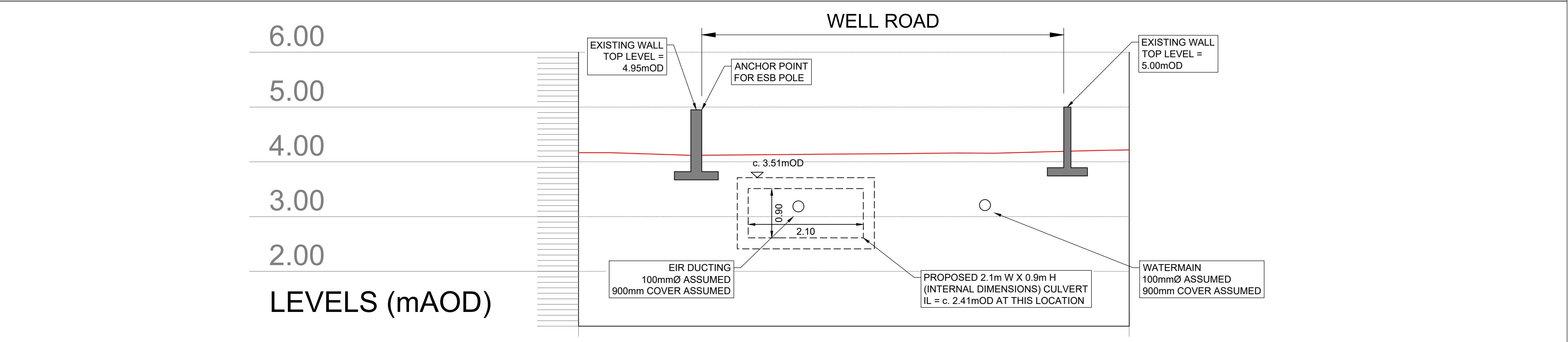




SECTION A-A
SCALE 1:50



SECTION B-B
SCALE 1:50



1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

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LEGEND

	EXISTING WATERCOURSE
	PROPOSED OPEN CHANNEL DIVERSION
	PROPOSED FLOOD DEFENSE WALL
	PROPOSED EMBANKMENT
	PROPOSED CULVERT
	PROPOSED BOX CULVERT
	STORAGE EXTENTS

Rev.	Date	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW	
P03										
Comments PUBLIC PARTICIPATION DAY.										
Rev.	Date	16/08/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
Comments OPTIONS REVISED.										
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Comments INITIAL DRAWING.										
Rev.	Date	22/12/21	Drawn	PB	Designed	PB	Checked	MOD	Approved	CJW
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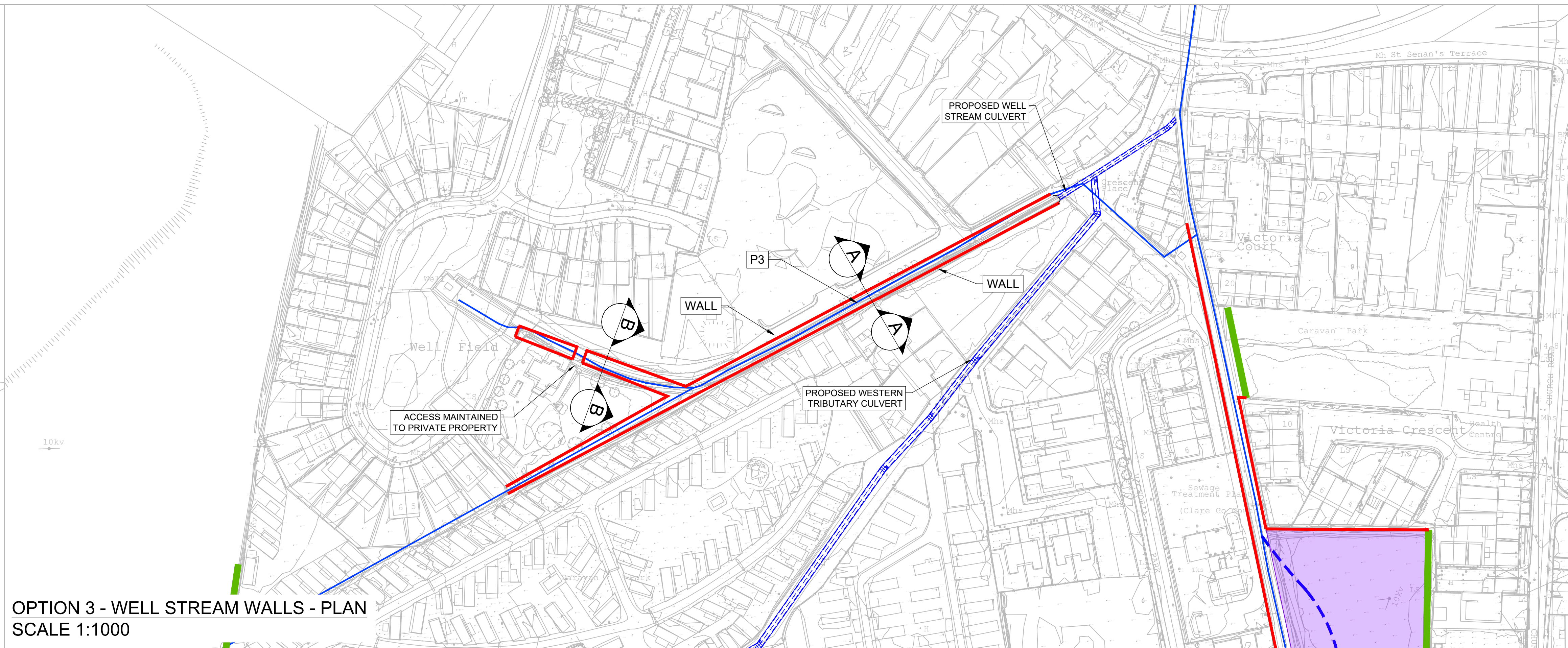
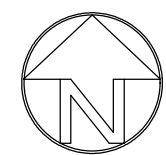
Project **KILKEE FLOOD RELIEF SCHEME**

Title **WESTERN TRIBUTARY CULVERT OPTION 3 MEASURES**
for

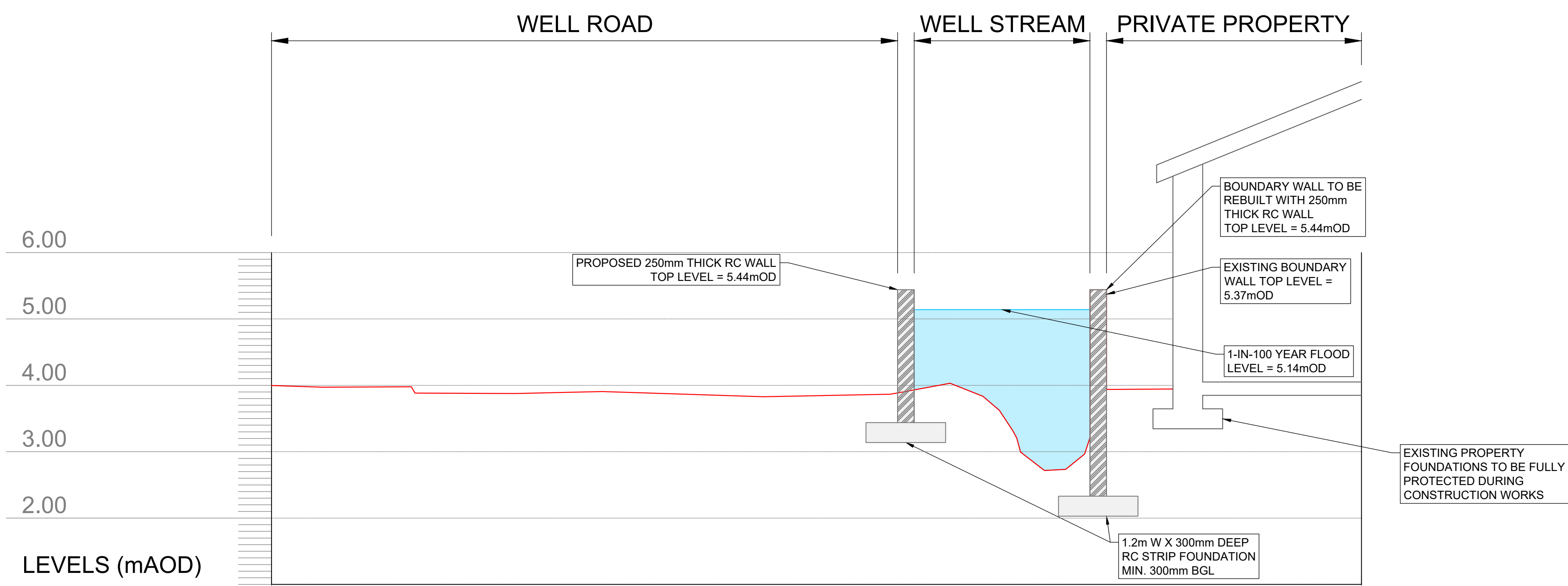
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Project Reference:	2019s1431 / CGD		Scale:	AS SHOWN @ A1	
Drawing Number:	19109-JBAI-XX-DR-C-02010	Status:	S3	Revision:	P03
		Sheet Size:	A1		



OPTION 3 - WELL STREAM WALLS - PLAN
SCALE 1:1000



SECTION A-A
SCALE 1:50



SECTION B-B
SCALE 1:50

1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

In addition to the hazards/risks normally associated with the types of work detailed on this drawing take note of the above.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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LEGEND

- EXISTING WATERCOURSE
- PROPOSED FLOOD DEFENCE WALL
- PROPOSED BOX CULVERT

OPTION 3			
REPORTING POINT	EMBANKMENT LEVEL (mOD)	WALL LEVEL (mOD)	1% AEP FLOOD LEVEL (mOD)
P3 (WELL STREAM AT CCC COMPOUND)	-	5.44	5.14

P02	Comments	PUBLIC PARTICIPATION DAY.								
Rev.:	Date	16/08/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
P01	Comments	INITIAL DRAWING.								
Rev.:	Date	28/07/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
Client Approval										
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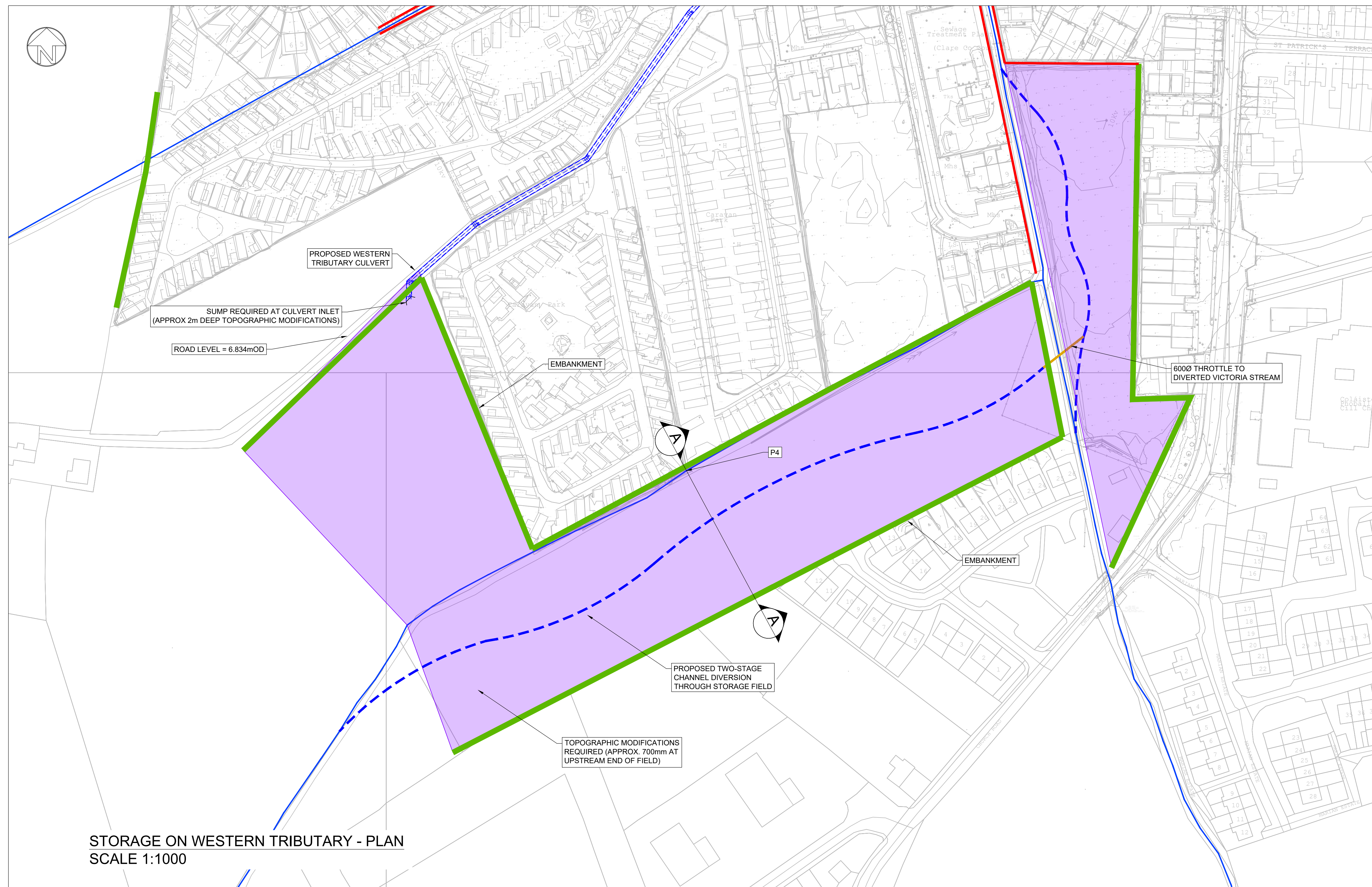
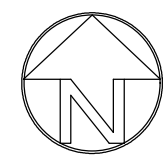
Project
KILKEE FLOOD RELIEF SCHEME

Title
**WELL STREAM WALLS
OPTION 3 MEASURES**
for

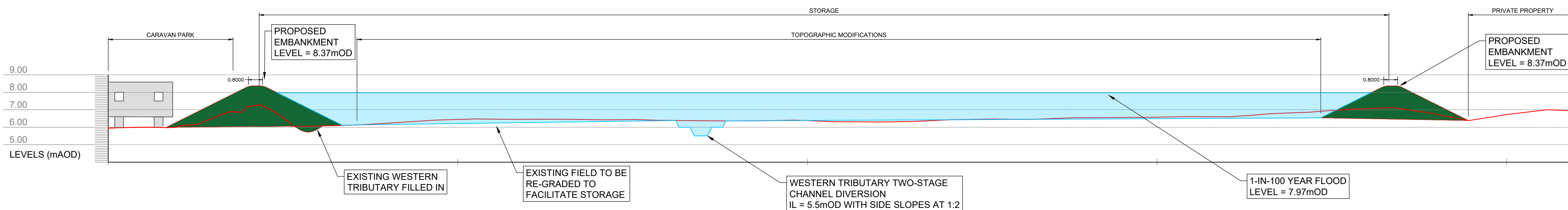
Client
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Drawing Number:	19109-JBAI-XX-XX-DR-C-02027	Status:	S3	Revision:	P02
		Sheet Size:	A1		



STORAGE ON WESTERN TRIBUTARY - PLAN
SCALE 1:1000



SECTION A-A
SCALE 1:150

1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

In addition to the hazards/risks normally associated with the types of work detailed on this drawing take note of the above.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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LEGEND

	EXISTING WATERCOURSE
	PROPOSED OPEN CHANNEL DIVERSION
	PROPOSED FLOOD DEFENSE WALL
	PROPOSED EMBANKMENT
	PROPOSED CULVERT
	PROPOSED BOX CULVERT
	STORAGE EXTENTS

OPTION 3			
REPORTING POINT	EMBANKMENT LEVEL (mOD)	WALL LEVEL (mOD)	1% AEP FLOOD LEVEL (mOD)
P4 (CARAVAN FIELD)	8.37	-	7.97

P02	Comments	PUBLIC PARTICIPATION DAY.								
Rev.:	Date	16/08/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
P01	Comments	INITIAL DRAWING.								
Rev.:	Date	07/07/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
Client Approval										
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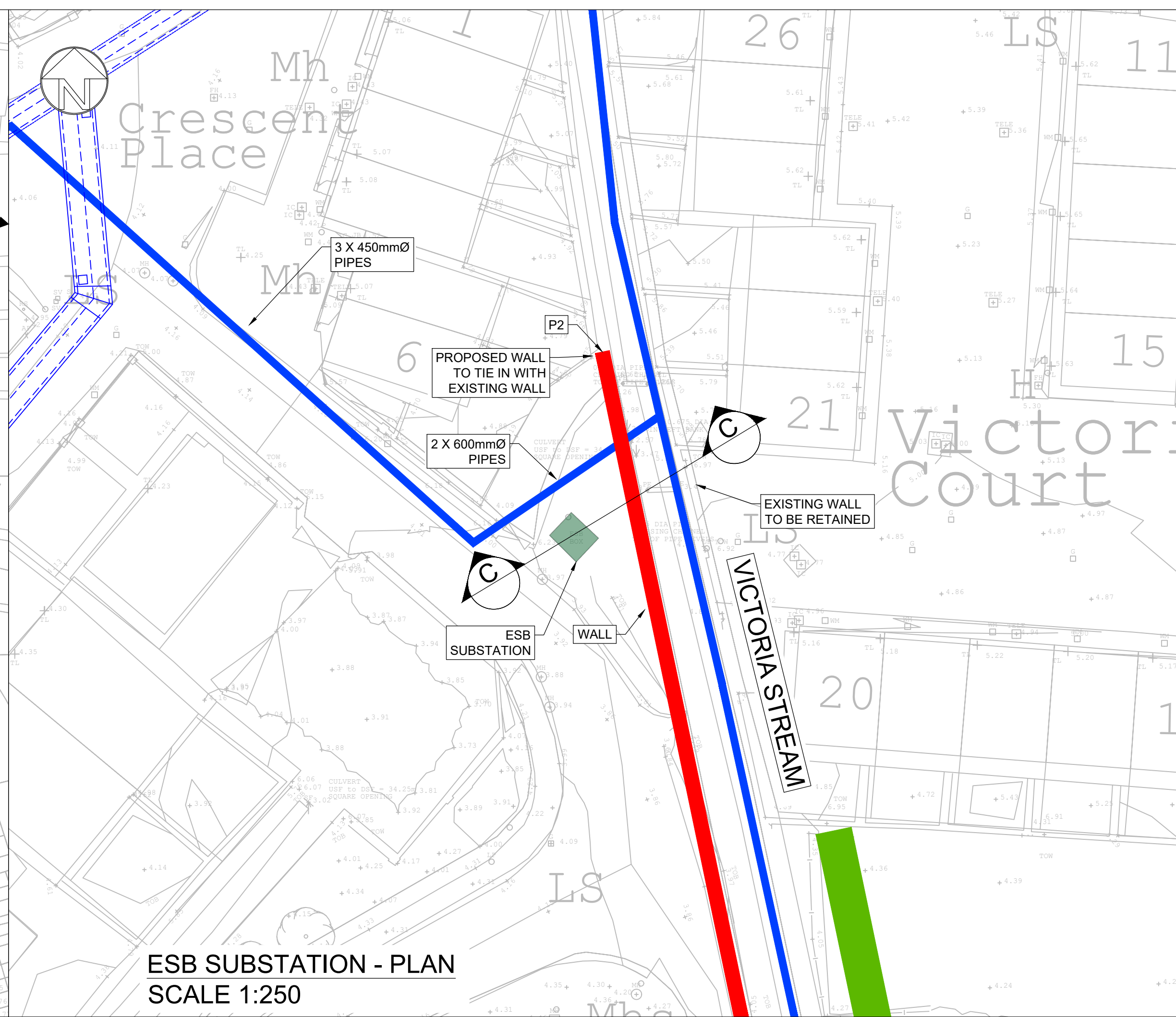
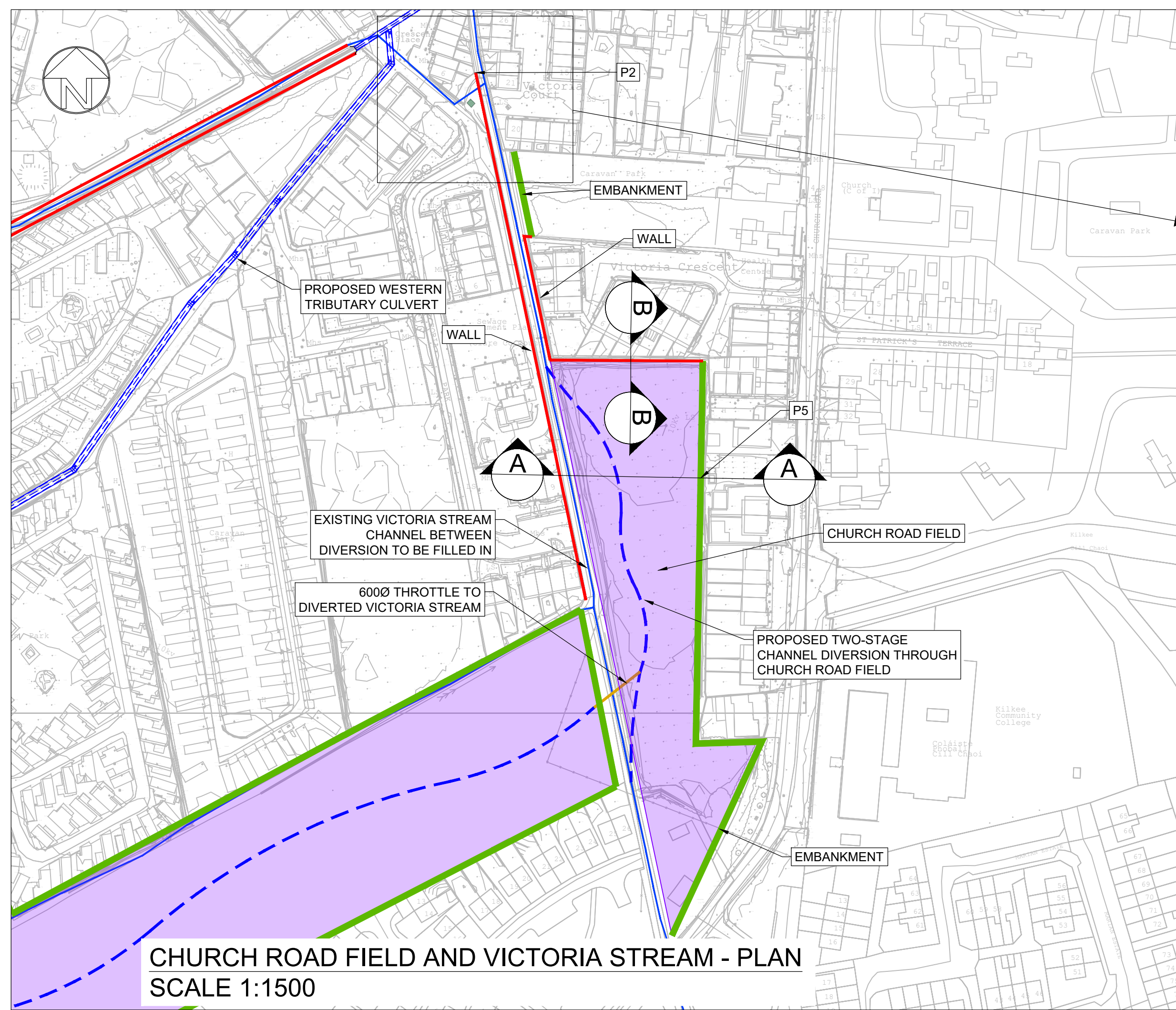
Project **KILKEE FLOOD RELIEF SCHEME**

Title **STORAGE ON WESTERN TRIBUTARY
OPTION 3 MEASURES**
for

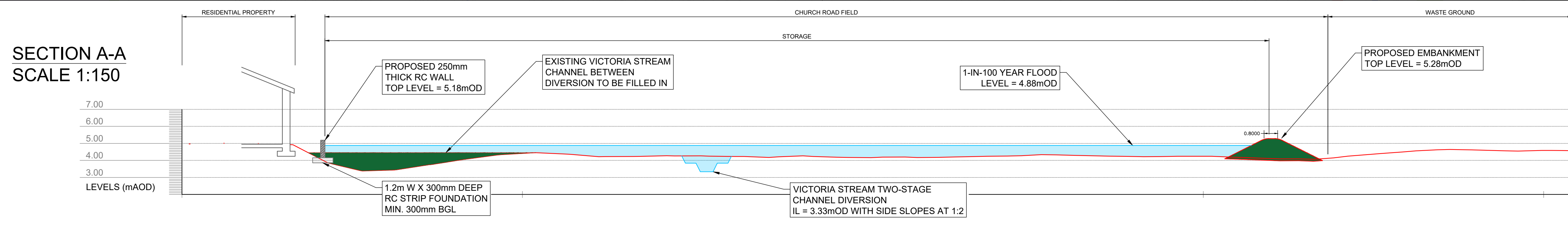
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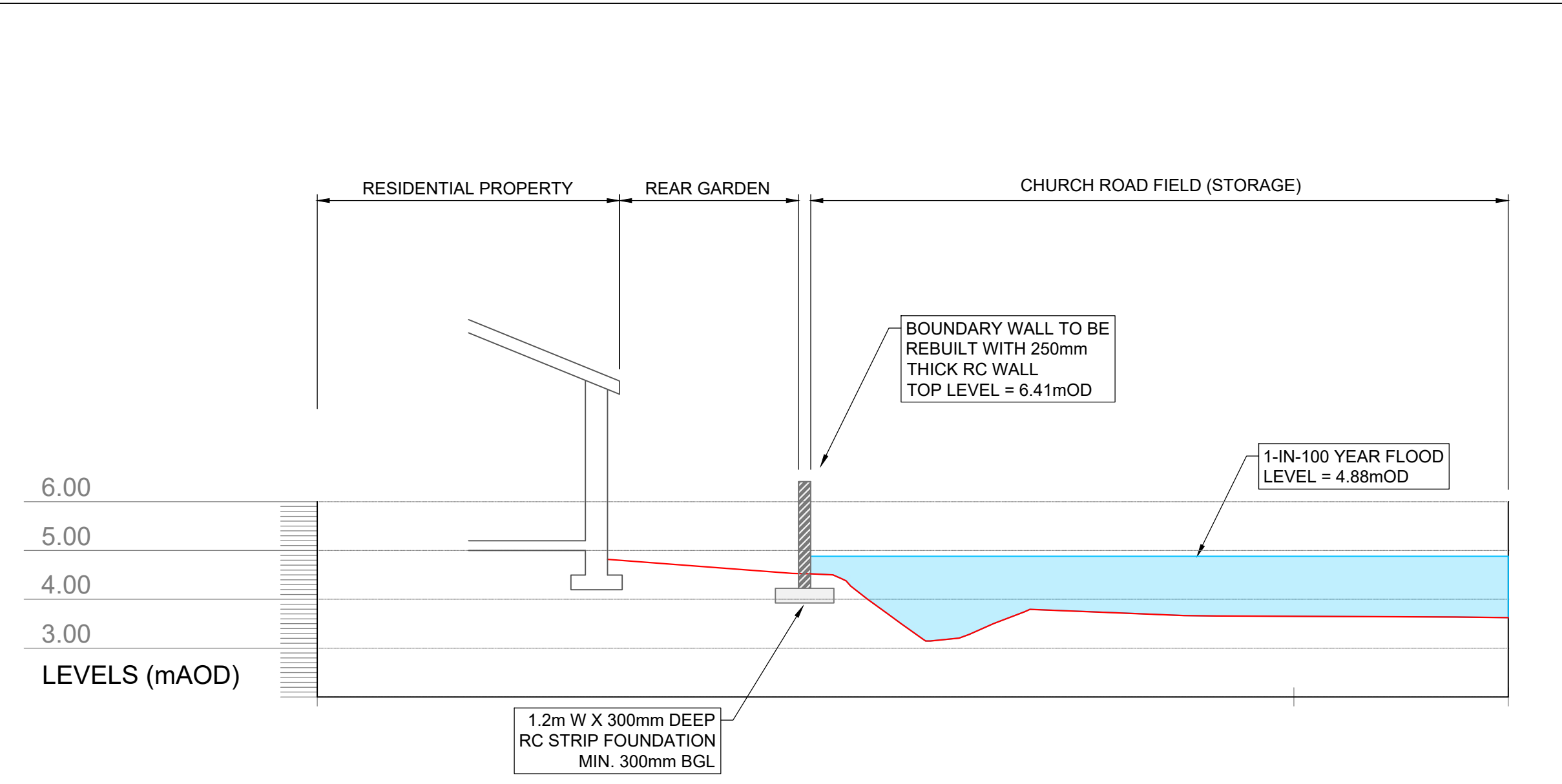
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Checked:	CJW	07/07/2022	Approved:	CJW	07/07/2022
Project Reference:	2019s1431 / CGD		Scale:	AS SHOWN @ A1	
Drawing Number:	19109-JBAI-XX-XX-DR-C-02029	Status:	S3	Revision:	P02
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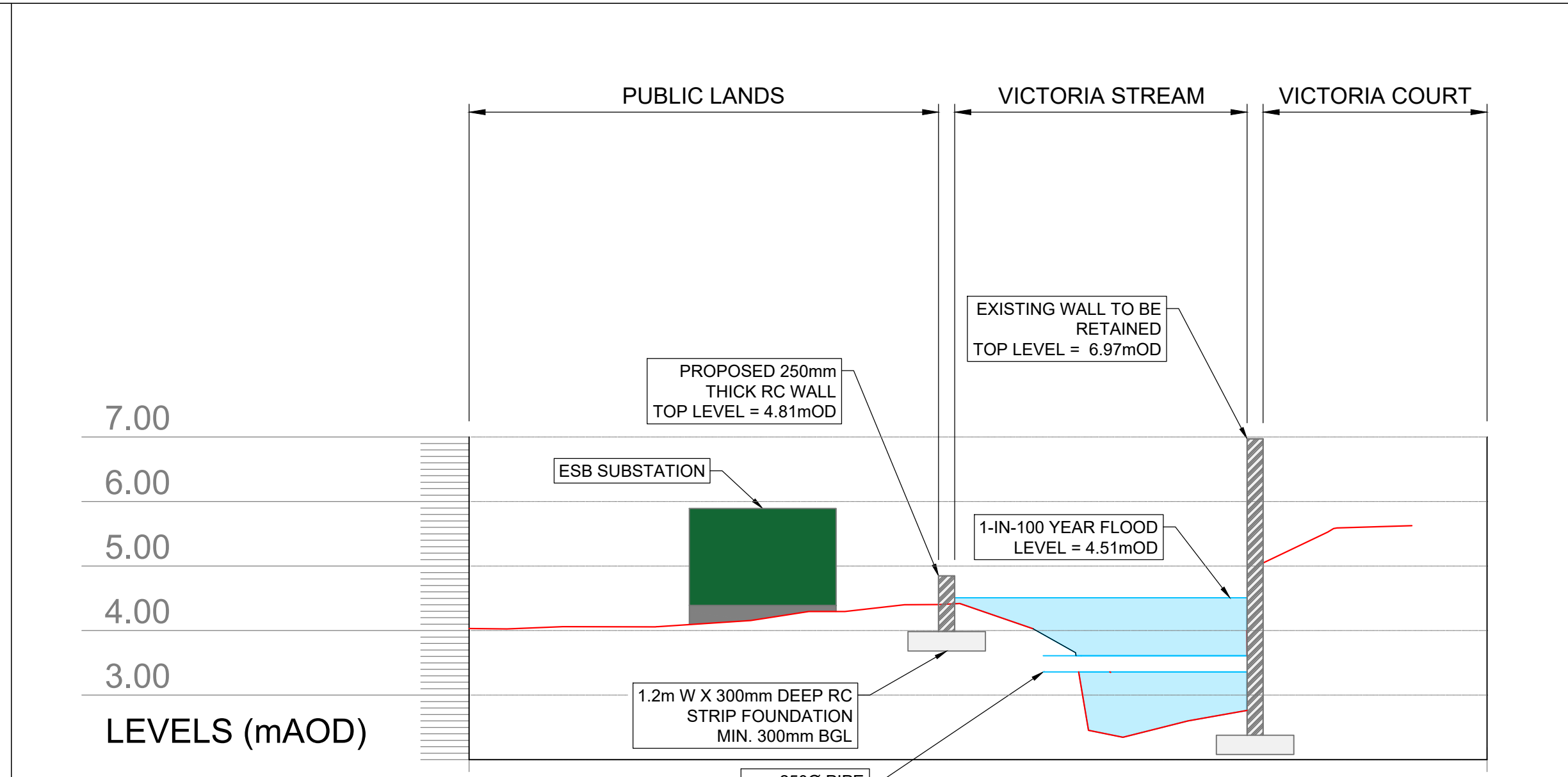
SECTION A-A
SCALE 1:150



SECTION B-B
SCALE 1:100



SECTION C-C
SCALE 1:75



1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX

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LEGEND

	EXISTING WATERCOURSE
	PROPOSED OPEN CHANNEL DIVERSION
	PROPOSED FLOOD DEFENSE WALL
	PROPOSED EMBANKMENT
	PROPOSED CULVERT
	PROPOSED BOX CULVERT
	STORAGE EXTENTS

OPTION 3

REPORTING POINT	EMBANKMENT LEVEL (mOD)	WALL LEVEL (mOD)	1% AEP FLOOD LEVEL (mOD)
P2 (U/S OF SERVICE CROSSING ON VICTORIA)	-	4.81	4.51
P5 (CHURCH ROAD FIELD)	5.28	5.18	4.88

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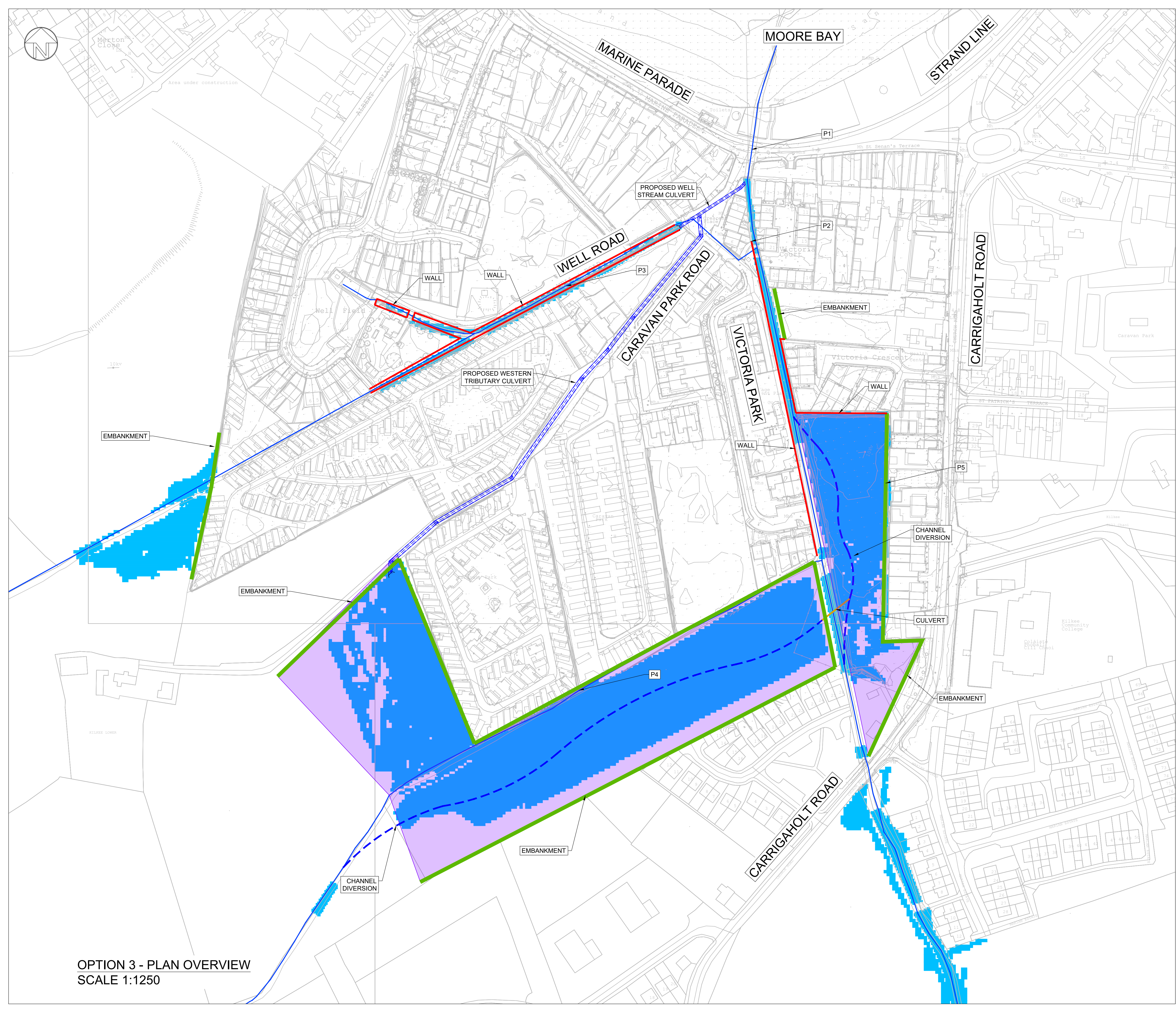
Project **KILKEE FLOOD RELIEF SCHEME**

Title **CHURCH ROAD FIELD AND VICTORIA STREAM OPTION 3 MEASURES**

Client **CLARE COUNTY COUNCIL**

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Drawing Number:	19109-JBAI-XX-XX-DR-C-02032	Status:	S3	Revision:	P02
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OPTION 3 - PLAN OVERVIEW
SCALE 1:1250

1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

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LEGEND

- EXISTING WATERCOURSE
- - - PROPOSED OPEN CHANNEL DIVERSION
- PROPOSED FLOOD DEFENSE WALL
- PROPOSED EMBANKMENT
- PROPOSED CULVERT
- - - PROPOSED BOX CULVERT
- STORAGE EXTENTS
- POST-SCHEME FLOOD EXTENTS

OPTION 3			
REPORTING POINT	EMBANKMENT LEVEL (mOD)	WALL LEVEL (mOD)	1% AEP FLOOD LEVEL (mOD)
P1 (VICTORIA STREAM OUTFALL CULVERT)	-	-	4.23
P2 (J/S OF SERVICE CROSSING ON VICTORIA)	-	4.81	4.51
P3 (WELL STREAM AT CCC COMPOUND)	-	5.44	5.14
P4 (CARAVAN FIELD)	8.37	-	7.97
P5 (CHURCH ROAD FIELD)	5.28	5.18	4.88

P02	Comments	PUBLIC PARTICIPATION DAY.								
Rev.:	Date	16/08/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW
P01	Comments	INITIAL DRAWING.								
Rev.:	Date	28/07/22	Drawn	PB	Designed	PB	Checked	CJW	Approved	CJW

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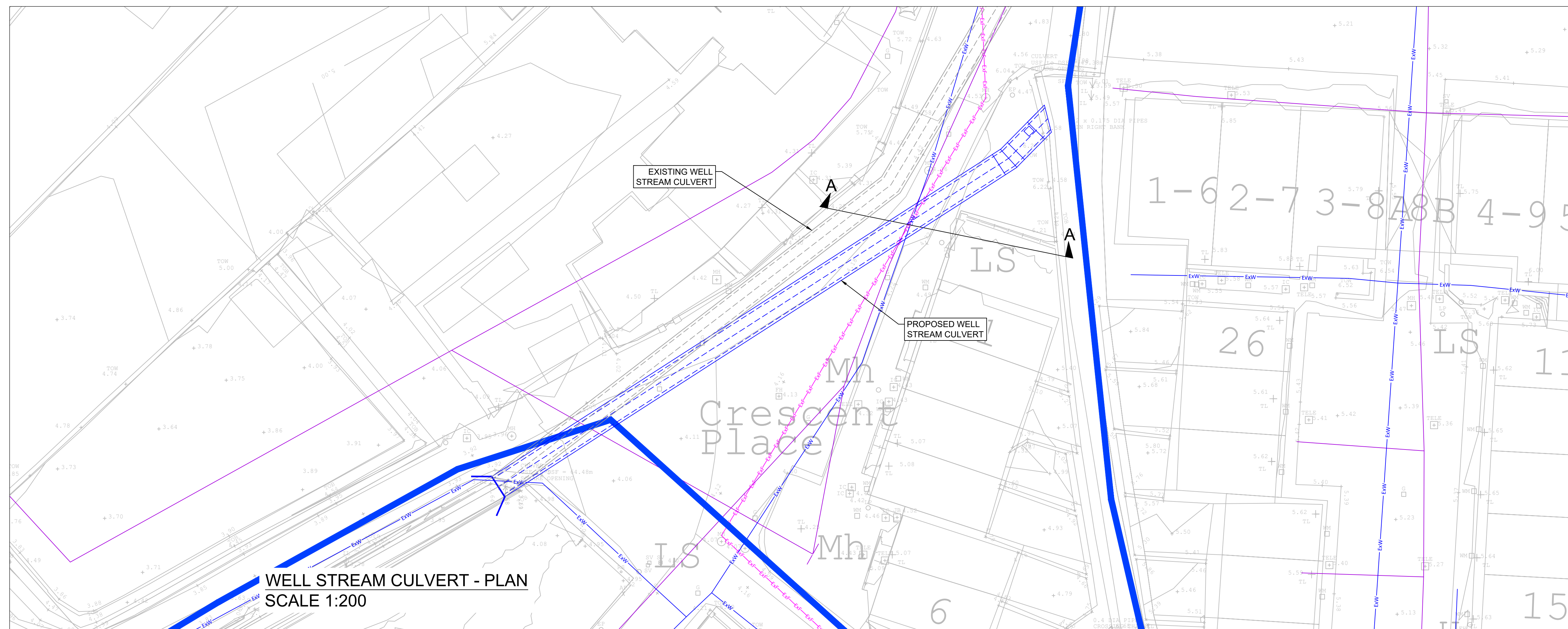
Project **KILKEE FLOOD RELIEF SCHEME**

Title **OPTION 3 OVERVIEW
VICTORIA AND WELL STREAMS**
for

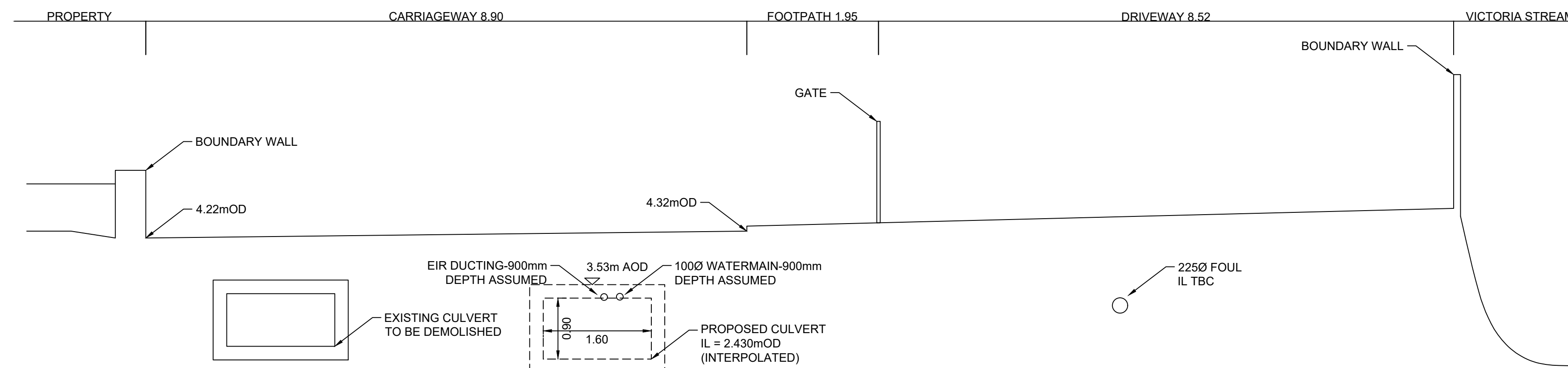
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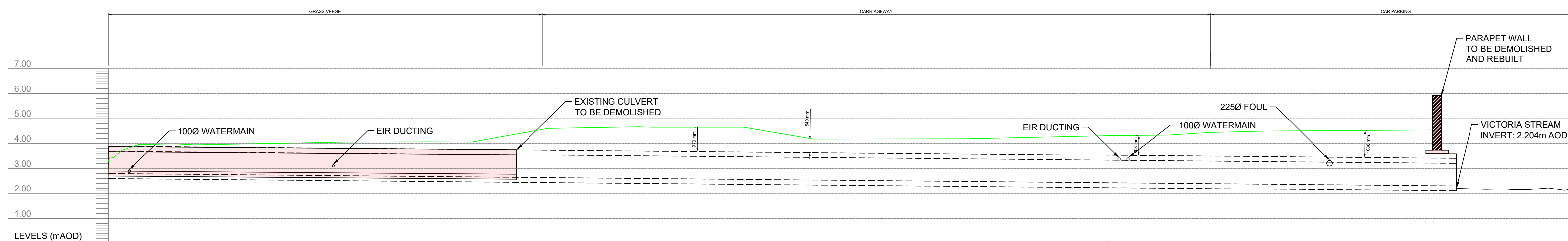
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Checked:	CJW	28/07/2022	Approved:	CJW	28/07/2022
Project Reference:	2019s1431 / CGD		Scale:	1:1250 @ A1	
Drawing Number:	19109-JBAI-XX-XX-DR-C-02072	Status:	S3	Revision:	P02
		Sheet Size:	A1		



WELL STREAM CULVERT - PLAN
SCALE 1:200



SECTION A-A WELL ROAD
SCALE 1:50



WELL STREAM CULVERT - LONGSECTION
SCALE 1:100

1			
2			
No.	Construction Risk	Maintenance Risk	Demolition Risk

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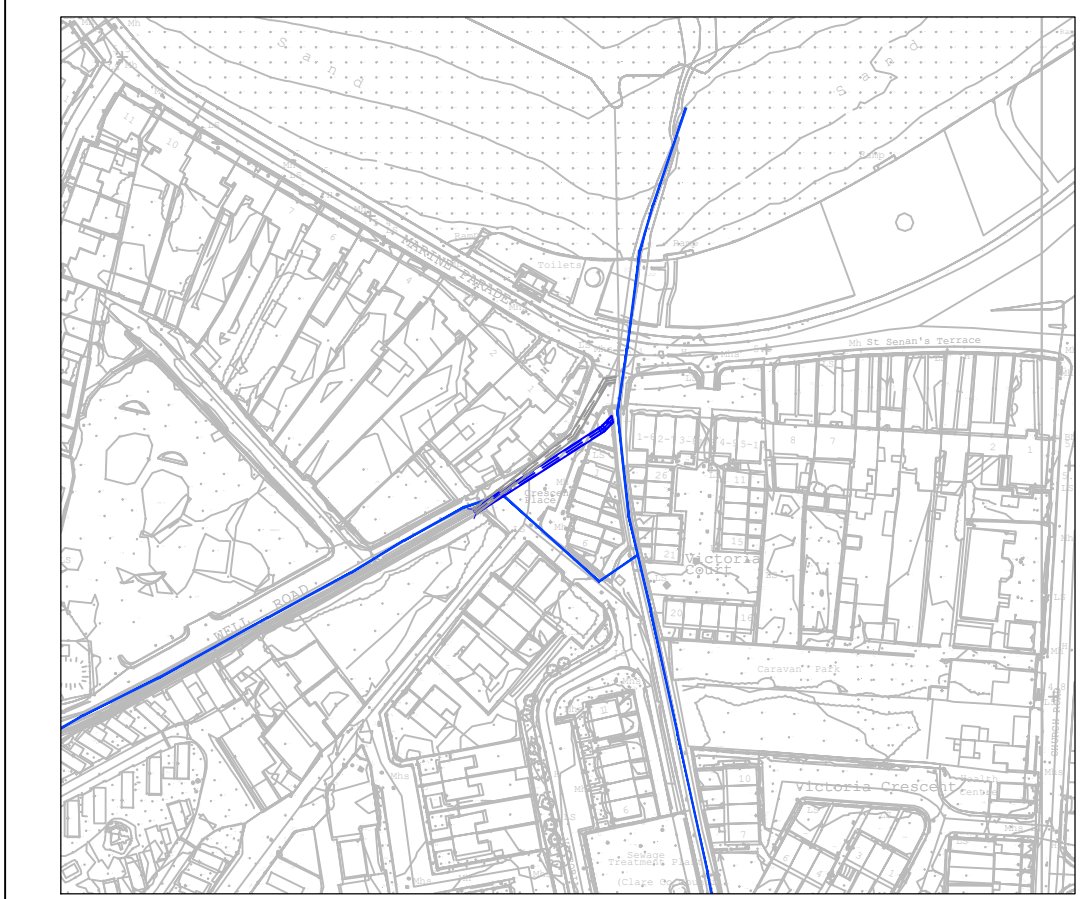
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LEGEND

- EXISTING WATERCOURSE
- PROPOSED BOX CULVERT
- EXISTING TELECOMS
- EXISTING FOUL / COMBINED SEWER
- EXISTING WATERMAIN

KEYPLAN



P02	Comments	PUBLIC PARTICIPATION DAY.								
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Rev.:	Date	22/12/21	Drawn	PB	Designed	PB	Checked	MOD	Approved	CJW

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Project **KILKEE FLOOD RELIEF SCHEME**

Title **WELL STREAM PROPOSED CULVERT**
for

Client **CLARE COUNTY COUNCIL**

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Drawing Number:	19109-JBAI-XX-XX-DR-C-02004	Status:	S3	Revision:	P02
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