

Appendix I – Scheme Drawings

Graiguenamanagh Tinnahinch Flood Relief Scheme

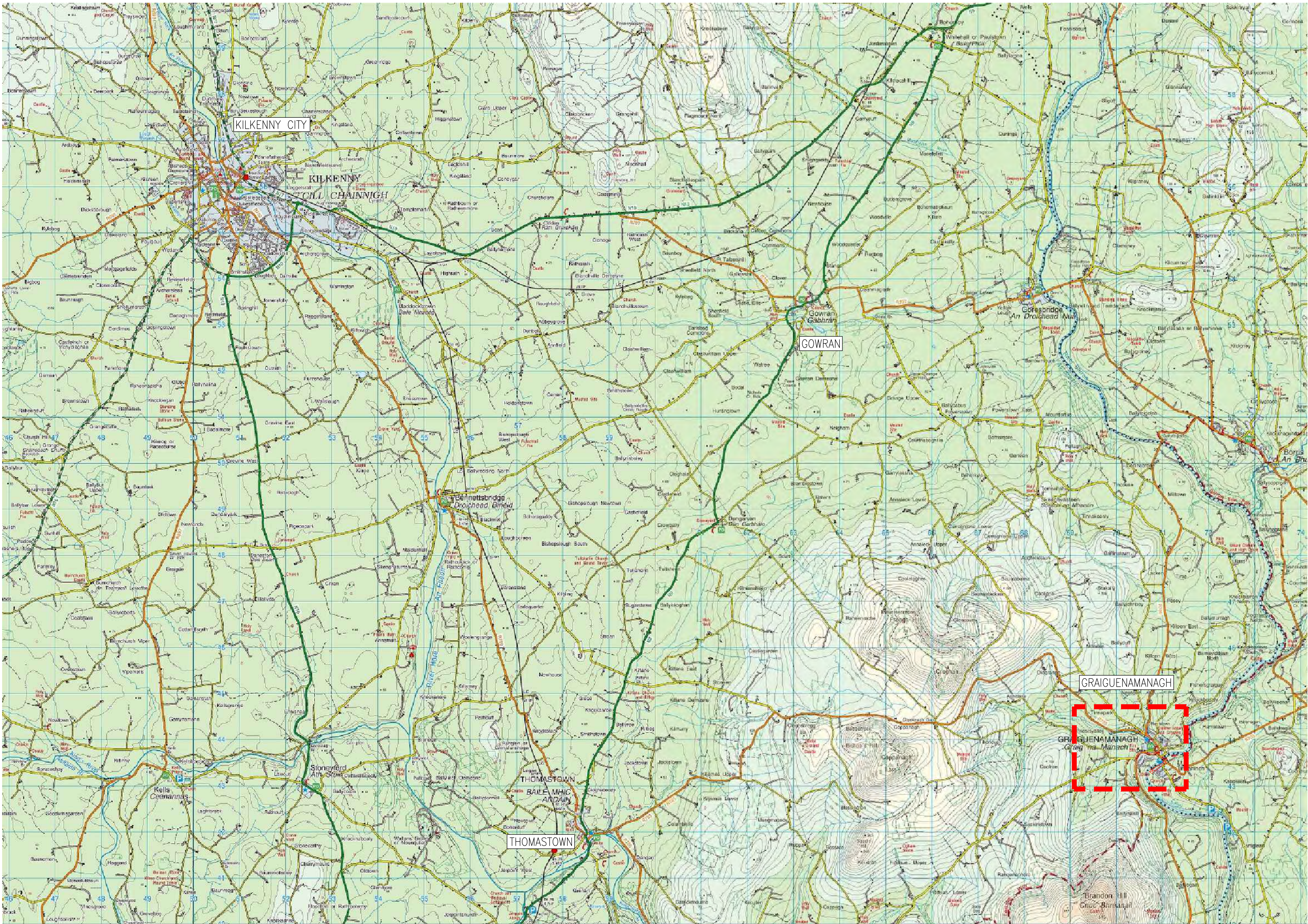
PLANNING DRAWINGS MARCH 2025

Graiguenamanagh Tinnahinch Flood Relief Scheme

For Planning

March 2025

Drawing Number	Drawing Title	Sheet	Revision
	Cover Sheet	A1	02
W3451-AYE-DWG-W-1400	Drawing List	A1	02
W3451-AYE-DWG-W-1401	Flood Relief Works - Site Location Map	A1	00
W3451-AYE-DWG-W-1402	Flood Relief Works - Site Extents & Notices	A1	02
W3451-AYE-DWG-W-1403	Flood Relief Works - Site Location Plan	A1	02
W3451-AYE-DWG-W-1404	Flood Relief Works - Tinnahinch Hotel Street - Site Plan & Longitudinal Sections	A1	02
W3451-AYE-DWG-W-1405	Flood Relief Works - Tinnahinch Hotel Street - Sections - Sheet 1	A1	02
W3451-AYE-DWG-W-1406	Flood Relief Works - Tinnahinch Hotel Street - Sections - Sheet 2	A1	01
W3451-AYE-DWG-W-1407	Flood Relief Works - Tinnahinch Quay - Site Plan & Longitudinal Sections	A1	00
W3451-AYE-DWG-W-1408	Flood Relief Works - Tinnahinch Quay - Sections	A1	00
W3451-AYE-DWG-W-1409	Drawing no longer in use	-	-
W3451-AYE-DWG-W-1410	Flood Relief Works - Graiguenamanagh Quay - Site Plan & Longitudinal Sections	A1	01
W3451-AYE-DWG-W-1411	Flood Relief Works - Graiguenamanagh Quay - Sections - Sheet 1	A1	00
W3451-AYE-DWG-W-1412	Flood Relief Works - Graiguenamanagh Quay - Sections - Sheet 2	A1	00
W3451-AYE-DWG-W-1413	Flood Relief Works - Graiguenamanagh Quay - Sections - Sheet 3	A1	00
W3451-AYE-DWG-W-1414	Flood Relief Works - Docks & Hub - Site Plan & Longitudinal Sections	A1	00
W3451-AYE-DWG-W-1415	Flood Relief Works - Docks & Hub - Sections - Sheet 1	A1	00
W3451-AYE-DWG-W-1416	Flood Relief Works - Docks & Hub - Sections - Sheet 2	A1	00
W3451-AYE-DWG-W-1417	Flood Relief Works - Lower Turf Market - Site Plan & Longitudinal Sections	A1	00
W3451-AYE-DWG-W-1418	Flood Relief Works - Lower Turf Market - Sections	A1	00
W3451-AYE-DWG-W-1419	Flood Relief Works - High St. Lower - Site Plan & Longitudinal Sections	A1	01
W3451-AYE-DWG-W-1420	Flood Relief Works - High St. Lower - Sections	A1	01
W3451-AYE-DWG-W-1421	Flood Relief Works - Upstream Storage Area - Duiske River - GA Site Plan & Sections	A1	01
W3451-AYE-DWG-W-1422	Flood Relief Works - Upstream Storage Area - Duiske River - Access Road Plan & Details	A1	01
W3451-AYE-DWG-W-1423	Flood Relief Works - Upstream Storage Area - Duiske River - Flood Extents	A1	01
W3451-AYE-DWG-W-1424	Flood Relief Works - Treatment of Existing Walls	A1	02
W3451-AYE-DWG-W-1425	Flood Relief Works - Flood Defences Overall Asset Numbers	A1	02
W3451-AYE-DWG-W-1426	Site Works - Arboreal Impact GA Layout	A1	02
W3451-AYE-DWG-W-1427	Site Works - ESB Diversions Layout	A1	02
W3451-AYE-DWG-W-1428	Site Works - Public Lighting Diversions Layout	A1	02
W3451-AYE-DWG-W-1429	Site Works - Eir Diversions Layout	A1	02
W3451-AYE-DWG-W-1430	Stormwater Drainage - Overall Layout Plan	A1	02
W3451-AYE-DWG-W-1431	Stormwater Drainage - Tinnahinch Hotel Street & Quay - GA Layout	A1	02
W3451-AYE-DWG-W-1432	Stormwater Drainage - Graiguenamanagh Quay - GA Layout	A1	01
W3451-AYE-DWG-W-1433	Stormwater Drainage - Docks & Hub - GA Layout	A1	01
W3451-AYE-DWG-W-1434	Stormwater Drainage - Pumping Station No.1 - GA Layout, Plan & Sections	A1	00
W3451-AYE-DWG-W-1435	Stormwater Drainage - Pumping Station No.2 - GA Layout, Plan & Sections	A1	01
W3451-AYE-DWG-W-1436	Stormwater Drainage - Pumping Stations No.3-5 - GA Layout, Plan & Sections	A1	01
W3451-AYE-DWG-W-1437	Outfall Works - Overall Layout Plan	A1	00
W3451-AYE-DWG-W-1438	Outfall Works - River Barrow Outfalls - Sheet 1	A1	00
W3451-AYE-DWG-W-1439	Outfall Works - River Barrow Outfalls - Sheet 2	A1	00
W3451-AYE-DWG-W-1440	Outfall Works - River Duiske Outfalls	A1	00
W3451-AYE-DWG-W-1441	Conservation Strategy - Overall Layout Plan	A1	02
W3451-AYE-DWG-W-1442	Conservation Strategy - Wall Details	A1	02
W3451-AYE-DWG-W-1443	Site Works - UE Water Diversions Layout	A1	02
W3451-AYE-DWG-W-1444	Site Works - Autotracking Layout	A1	00
W3451-AYE-DWG-W-1445	Site Works - Biodiversity Enhancement Measures	A1	00



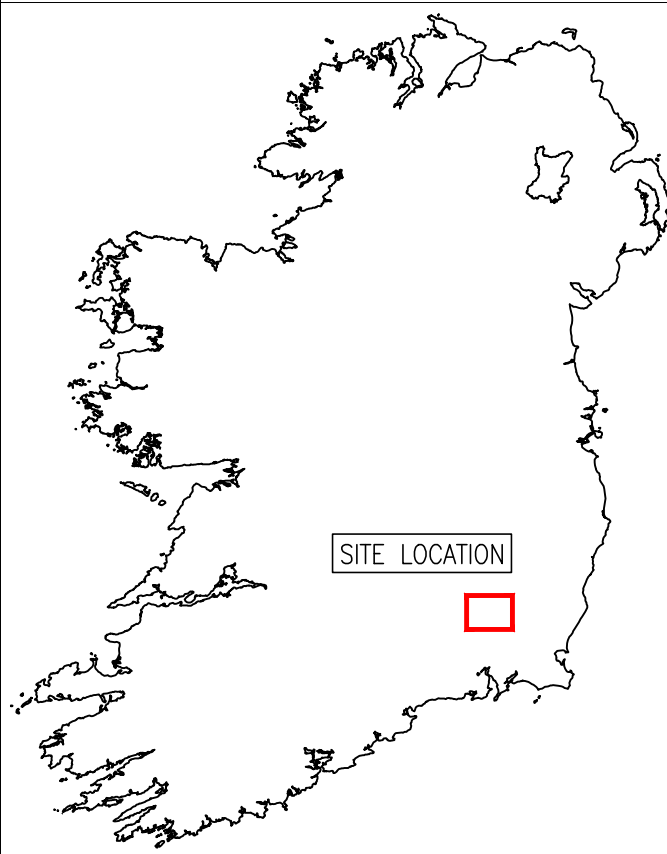
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GENERAL NOTES



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SITE LOCATION

00	31.07.24	ISSUED FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App



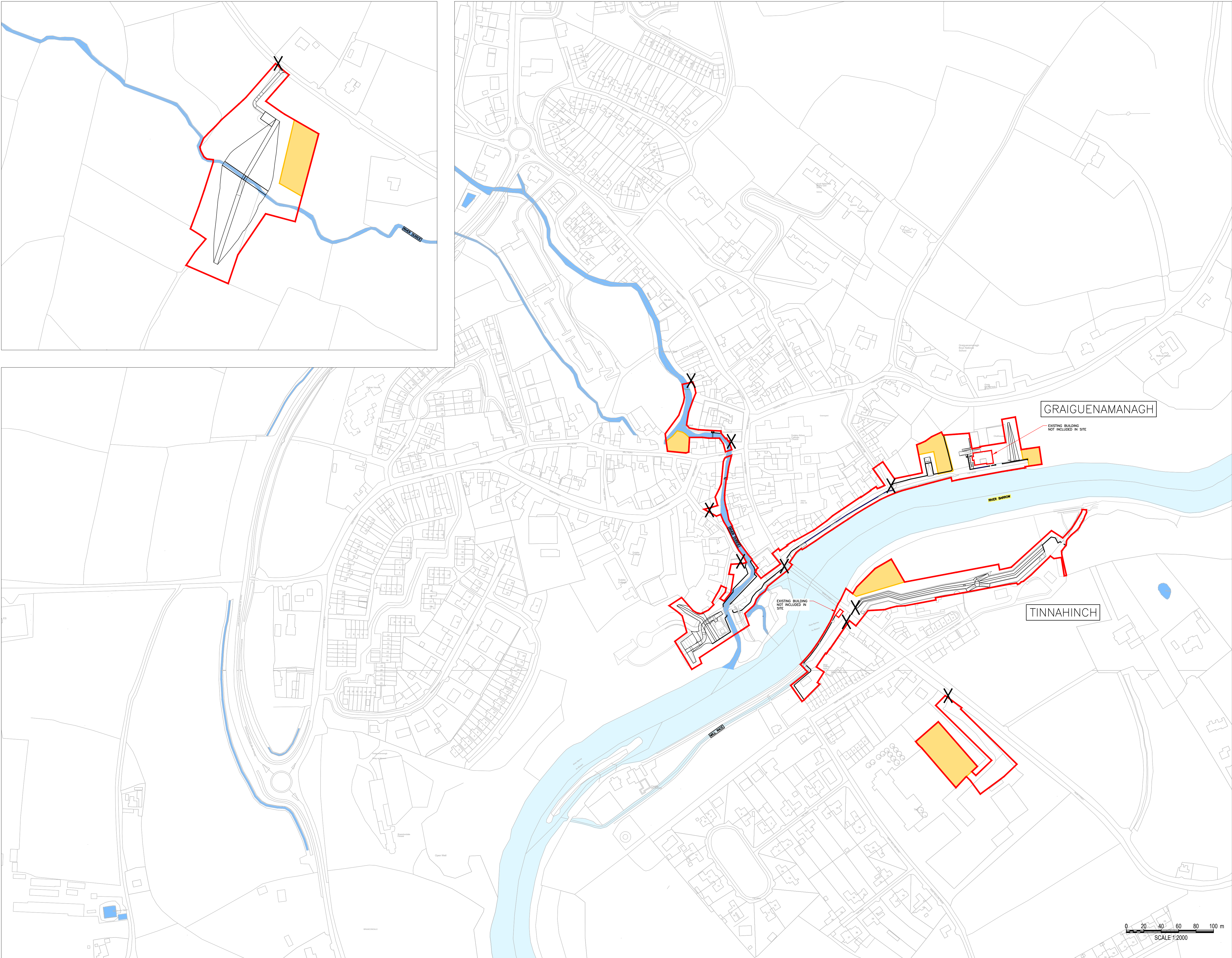
CLIENT
KILKENNY COUNTY COUNCIL

PROJECT
GRAIGUENAMANAGH TINNAHINCH
FLOOD RELIEF SCHEME

DRAWING TITLE
FLOOD RELIEF WORKS
SITE LOCATION MAP

STATUS
FOR PLANNING

Date: 31.07.24	Scale: 1:50000	Drawn: LT	Chk: SH	App: SH
Project No: W3451	Drw. No: W3451-AYE-DWG-W-1401	Rev:		



SITE EXTENT PLAN
SCALE: 1:2000

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4. TAKEN FROM OS MAPS No. 5016-A, 5016-B, 5016-C & 5016-D.
5. FOR DETAILS OF FLOOD DEFENCES SEE DWGS 1404-1423.

LEGEND:

PROPOSED SITE BOUNDARY



LOCATIONS OF SITE NOTICES



SITE COMPOUNDS



02	04.03.25	ISSUE FOR PLANNING	LT	SH	SH
01	21.10.24	ISSUE FOR PLANNING	LT	SH	SH
00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App

ayesa

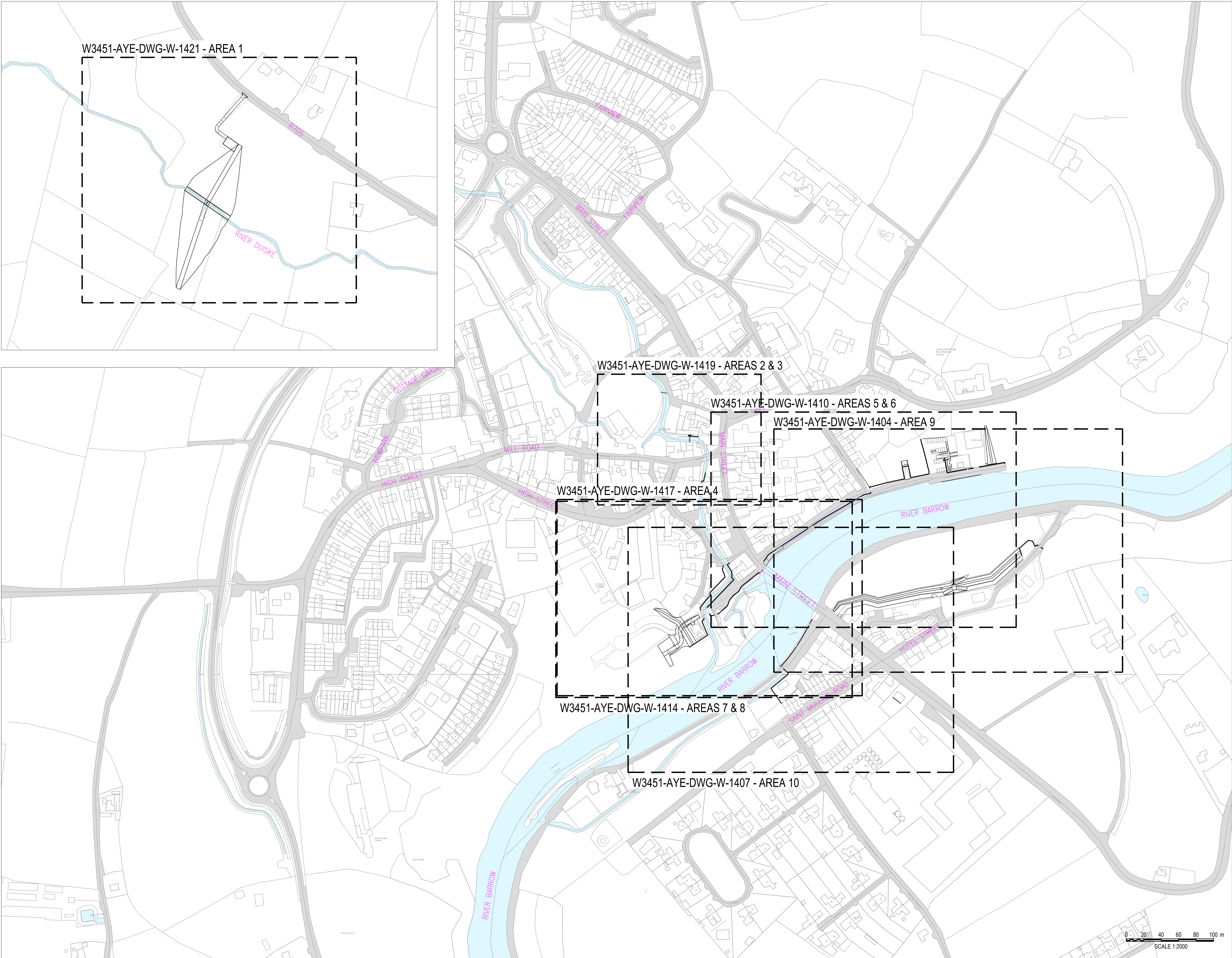
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PROJECT
GRAIGUENAMANAGH TINNAHINCH
FLOOD RELIEF SCHEME

DRAWING
TITLE
FLOOD RELIEF WORKS
SITE EXTENT & NOTICES

STATUS
FOR PLANNING

Date:31.07.24	Scale:1:2000	Drawn:LT	Chk: SH	App:SH
Project No:	Drg. No:			Rev:
W3451	W3451-AYE-DWG-W-1402			02



SITE LOCATION PLAN
SCALE: 1:2000

GENERAL NOTES

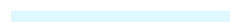


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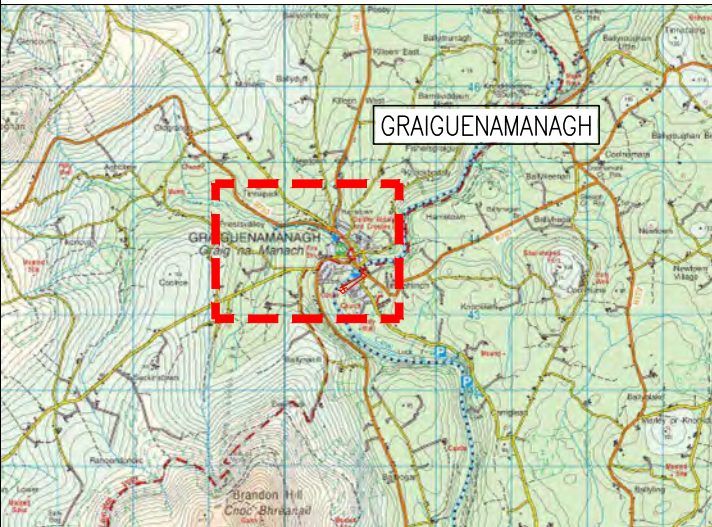
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LEGEND:

EXISTING RIVER



SITE LOCATION



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01	21.10.24	ISSUED FOR PLANNING	LT	SH	SH
00	31.07.24	ISSUED FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App



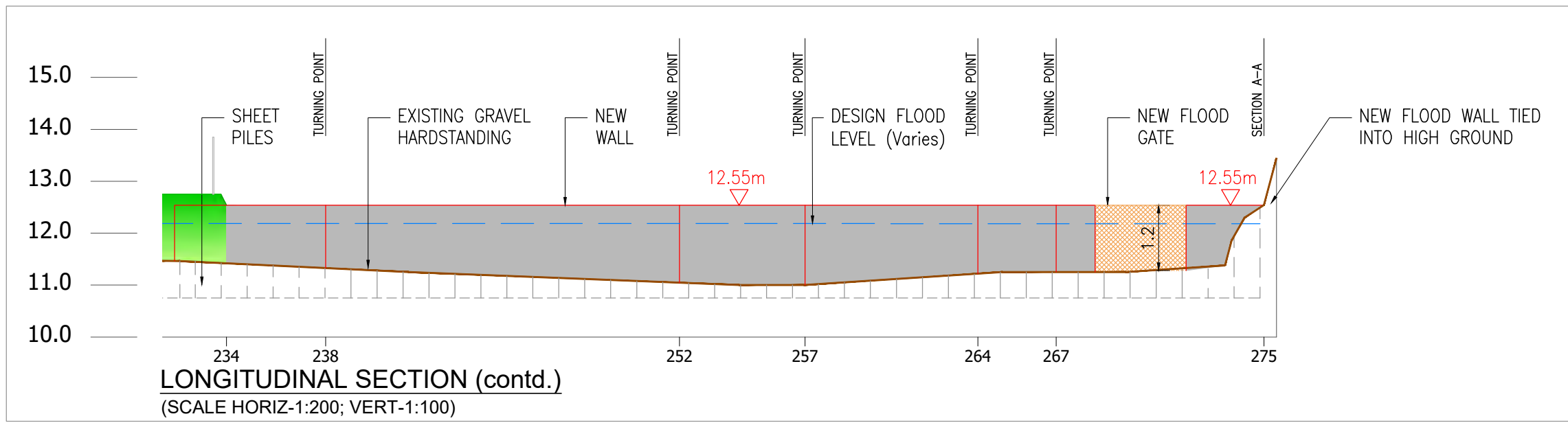
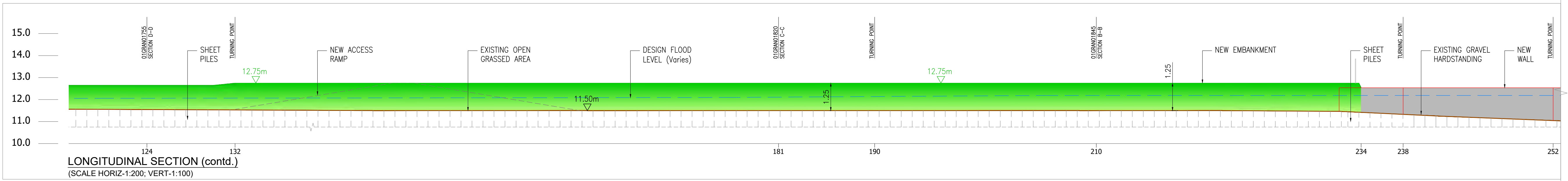
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PROJECT
GRAIGUENAMANAGH TINNAHINCH
FLOOD RELIEF SCHEME

DRAWING TITLE
FLOOD RELIEF WORKS
SITE LOCATION PLAN

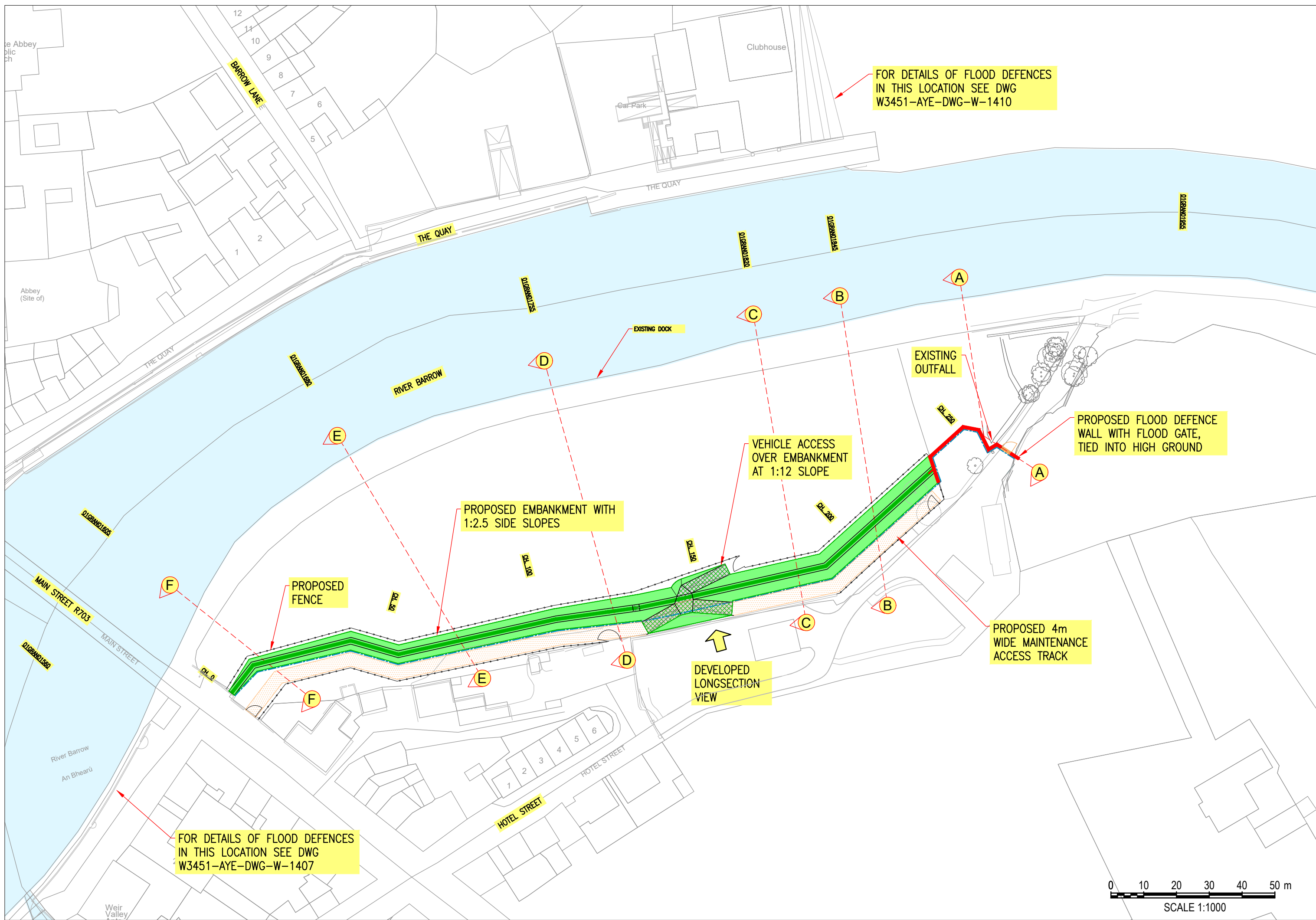
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Project No: W3451	Dwg. No: W3451-AYE-DWG-W-1403	Rev:		



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 5. FREEBOARD:
HARD DEFENCES: 350mm
SOFT DEFENCES: 550mm
 6. HEIGHT REFERRED TO ARE FROM CENTRELINE OF CREST OF EMBANKMENT/WALL.
 7. FOR FLOOD DEFENCES IDENTIFIER LABELS REFER TO DRAWING W3451-AYE-DWG-W-4025.
 8. SHEET PILE CUTOFF UNDER ALL FLOOD DEFENCES (WALLS & EMBANKMENT)

- LEGEND:
- EXISTING GROUND LEVEL
 - DESIGN FLOOD LEVEL
 - UPGRADE EXISTING WALL
 - NEW FLOOD DEFENCE WALL
 - GLASS WALL FLOOD DEFENCE
 - NEW FLOOD GATE
 - NEW FLOOD DEFENCE RAMP, EMBANKMENT & RAISED GROUND
 - MAINTENANCE ACCESS TRACK
 - PROPOSED CONCRETE WALL FINISH
 - PROPOSED STONE CLAD CONCRETE WALL FINISH
 - NEW VEHICLE ACCESS OVER FLOOD DEFENCES
 - NEW DRAINAGE
 - PROPOSED FENCELINE



KEYPLAN:

02	27.01.25	ISSUE FOR PLANNING	LT	SH	SH
01	11.11.24	ISSUE FOR PLANNING	LT	SH	SH
00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App

ayesa

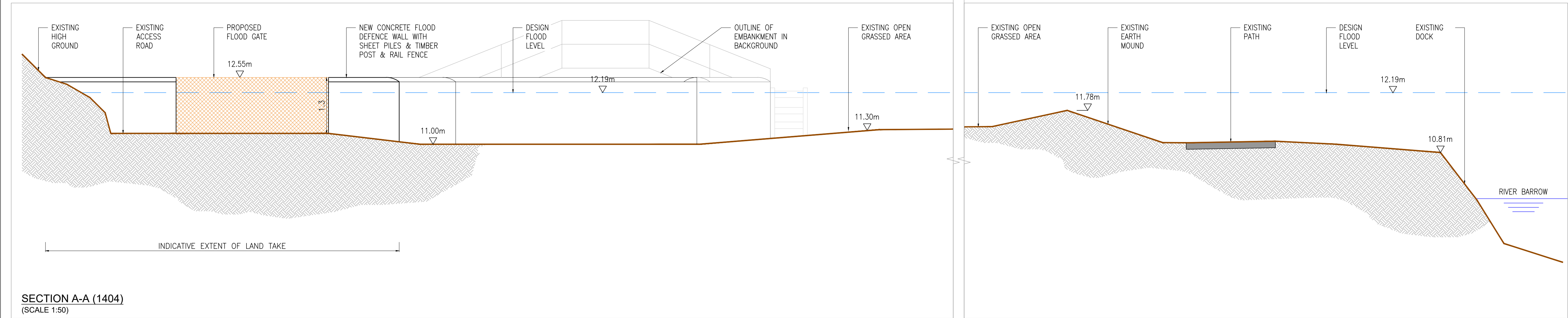
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PROJECT
GRAIGUENAMAGH TINNAHINCH FLOOD RELIEF SCHEME

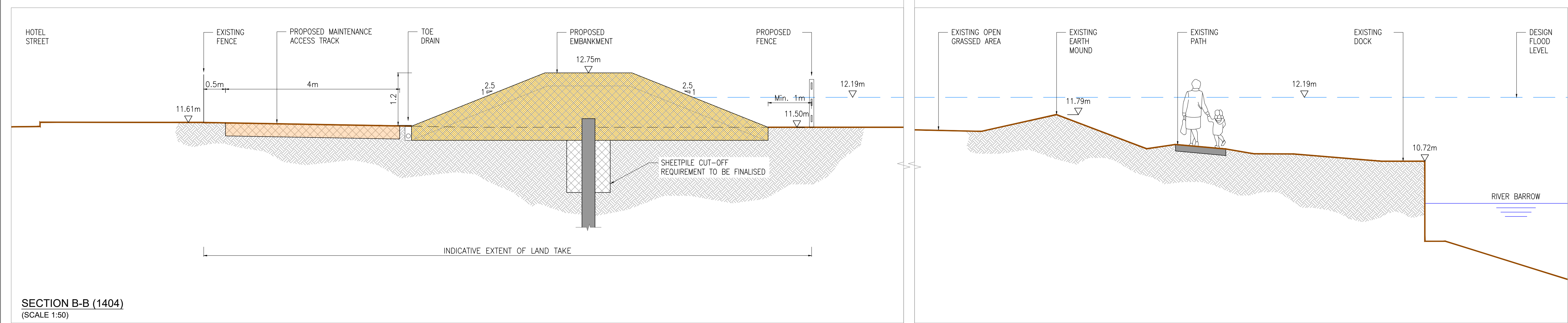
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FLOOD RELIEF WORKS
TINNAHINCH HOTEL STREET
SITE PLAN & LONGITUDINAL SECTIONS

STATUS
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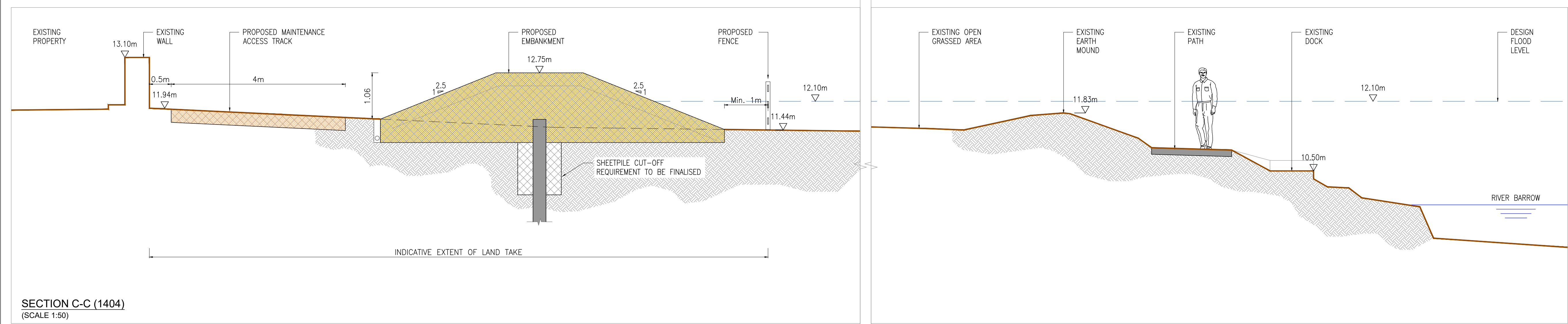
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Project No: W3451	Dwg. No: W3451-AYE-DWG-W-1404	Rev:		



SECTION A-A (1404)
(SCALE 1:50)



SECTION B-B (1404)
(SCALE 1:50)



SECTION C-C (1404)
(SCALE 1:50)

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4. DESIGN FLOOD LEVEL SHOWN FOR INFO ONLY, AND APPLIES TO WET SIDE ONLY.
5. FREEBOARD:
HARD DEFENCES: 350mm
SOFT DEFENCES: 550mm
6. HEIGHT REFERRED TO ARE FROM CENTRELINE OF CREST OF EMBANKMENT/WALL.
7. FOR FLOOD DEFENCES IDENTIFIER LABELS REFER TO DRAWING W3451-AYE-DWG-W-4025.

LEGEND:

EXISTING GROUND LEVEL	
DESIGN FLOOD LEVEL	
UPGRADE EXISTING WALL	
NEW FLOOD DEFENCE WALL	
GLASS WALL FLOOD DEFENCE	
NEW FLOOD GATE	
NEW FLOOD DEFENCE RAMP, EMBANKMENT & RAISED GROUND	
PROPOSED CONCRETE WALL FINISH	
PROPOSED STONE CLAD CONCRETE WALL FINISH	
NEW VEHICLE ACCESS OVER FLOOD DEFENCES	
PROPOSED MAINTENANCE ACCESS ROAD	

02	27.01.25	ISSUE FOR PLANNING	LT	SH	SH
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Rev	Date	Description	By	Chk	App

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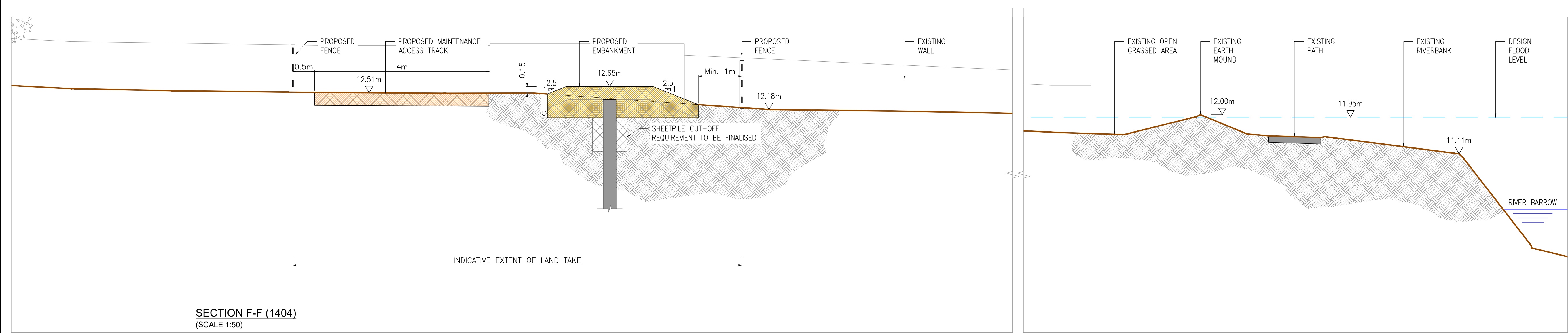
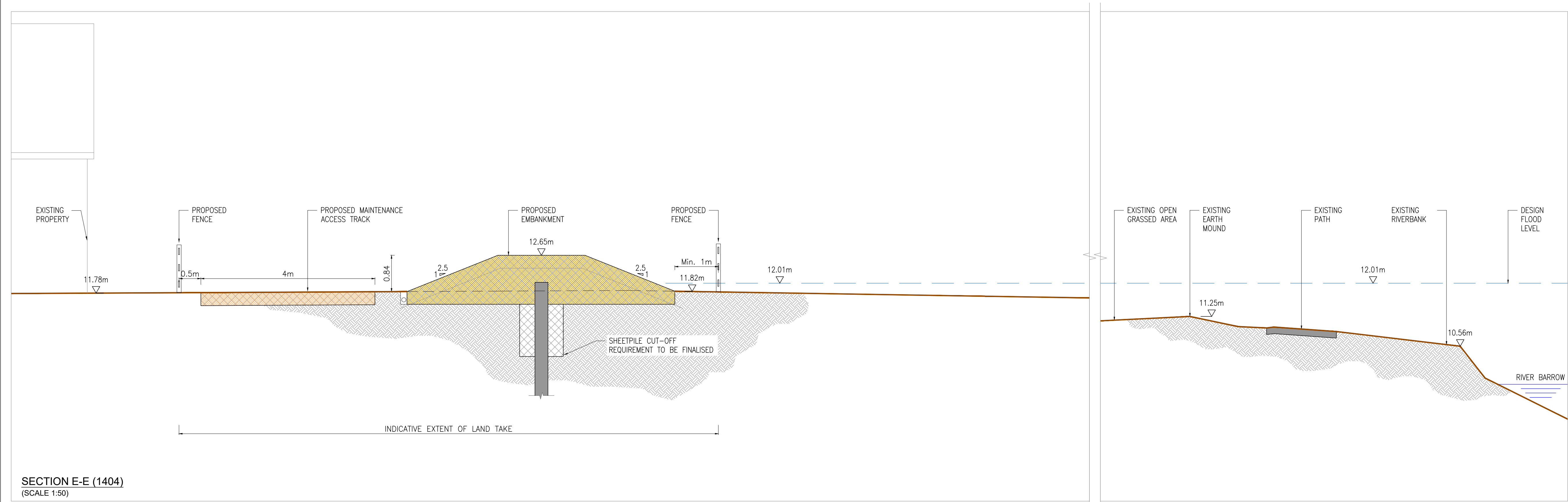
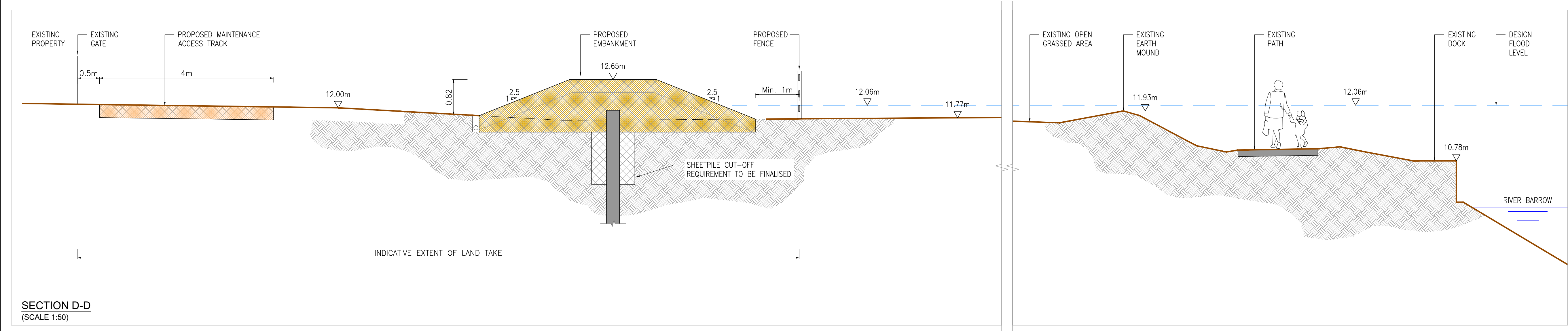
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PROJECT
GRAIGUENAMANAGH TINNAHINCH
FLOOD RELIEF SCHEME

DRAWING TITLE
FLOOD RELIEF WORKS
TINNAHINCH HOTEL STREET
SECTIONS – SHEET 1

STATUS
FOR PLANNING

Date: 31.07.24	Scale: 1:50	Drawn: LT	Chk: SH	App: SH
Project No: W3451	Dwg. No: W3451-AYE-DWG-W-1405	Rev:		



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- FREEBORD:
HARD DEFENCES: 350mm
SOFT DEFENCES: 550mm
- HEIGHT REFERRED TO ARE FROM CENTRELINE OF CREST OF EMBANKMENT/WALL.
- FOR FLOOD DEFENCES IDENTIFIER LABELS REFER TO DRAWING W3451-AYE-DWG-W-4025.

LEGEND:

EXISTING GROUND LEVEL	
DESIGN FLOOD LEVEL	
UPGRADE EXISTING WALL	
NEW FLOOD DEFENCE WALL	
GLASS WALL FLOOD DEFENCE	
NEW FLOOD GATE	
NEW FLOOD DEFENCE RAMP, EMBANKMENT & RAISED GROUND	
PROPOSED CONCRETE WALL FINISH	
PROPOSED STONE CLAD CONCRETE WALL FINISH	
NEW VEHICLE ACCESS OVER FLOOD DEFENCES	
PROPOSED MAINTENANCE ACCESS ROAD	

01	27.01.25	ISSUE FOR PLANNING	LT	SH	SH
00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App

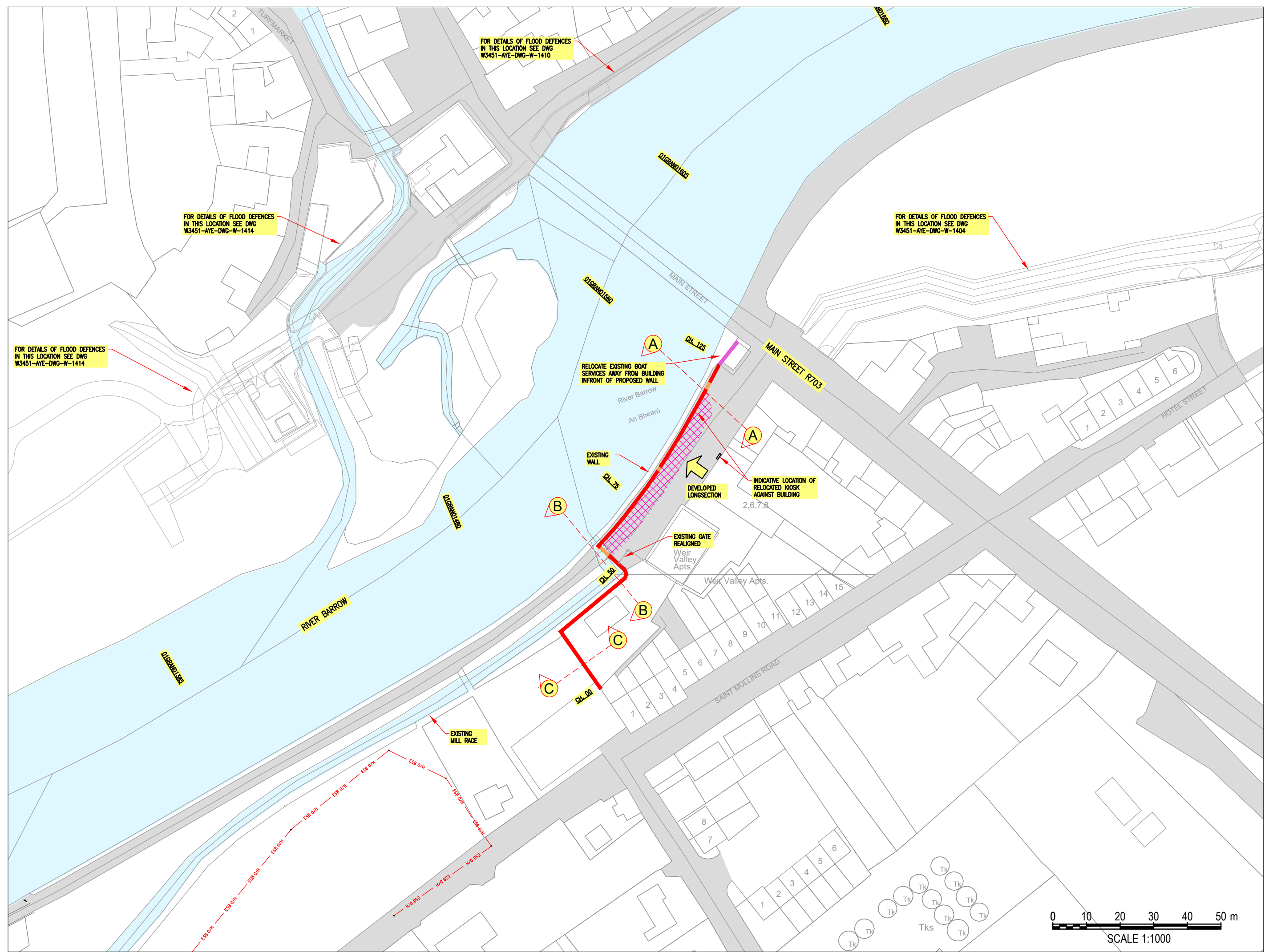
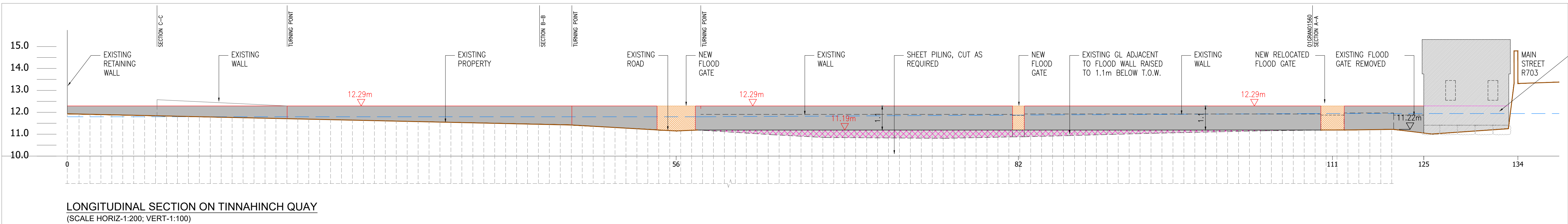
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PROJECT
GRAIGUENAMANAGH TINNAHINCH FLOOD RELIEF SCHEME

DRAWING TITLE
FLOOD RELIEF WORKS
TINNAHINCH HOTEL STREET
SECTIONS – SHEET 2

STATUS
FOR PLANNING

Date: 31.07.24	Scale: 1:50	Drawn: LT	Chk: SH	App: SH
Project No: W3451	Dwg. No: W3451-AYE-DWG-W-1406		Rev:	



SITE PLAN
SCALE: 1:1000



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5. FREEBOARD:
HARD DEFENCES: 350mm
SOFT DEFENCES: 350mm
6. HEIGHT REFERRED TO ARE FROM CENTRELINE OF CREST OF EMBANKMENT/WALL.
7. FOR FLOOD DEFENCES IDENTIFIER LABELS REFER TO DRAWING W3451-AYE-DWG-W-4025
8. FOR CONSERVATION STRATEGY WALL FINISHES REFER TO SKETCH E, DRAWING W3451-AYE-DWG-W-1442.

LEGEND:

DESIGN FLOOD LEVEL	
EXISTING OVERHEAD ESB	
UPGRADE EXISTING WALL	
NEW FLOOD DEFENCE WALL	
NEW FLOOD GATE	
NEW FLOOD DEFENCE RAMP, EMBANKMENT & RAISED GROUND	
PROPOSED CONCRETE WALL FINISH	
PROPOSED STONE CLAD CONCRETE WALL FINISH	
NEW VEHICLE ACCESS OVER FLOOD DEFENCES	
PROPOSED ROAD REGRADING	



KEYPLAN:

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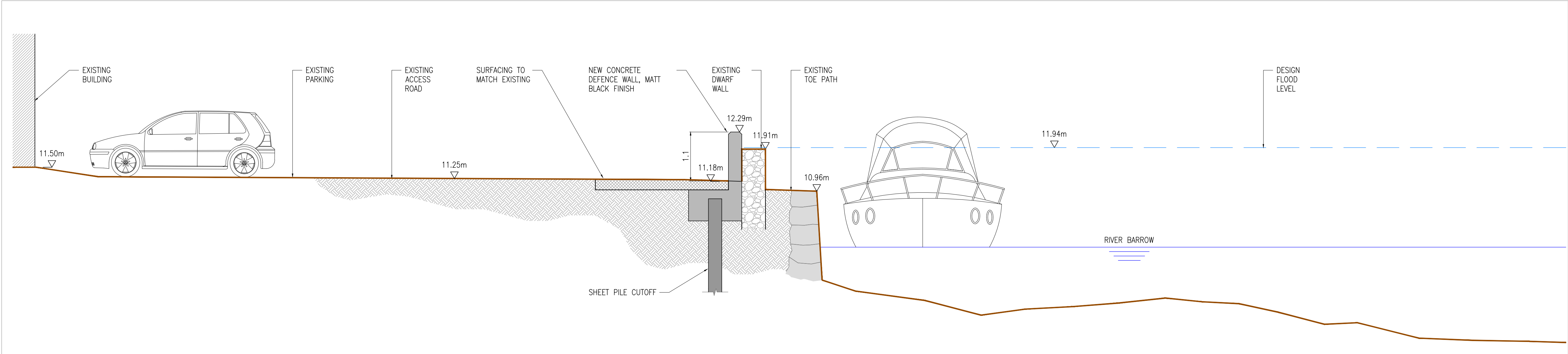
PROJECT
GRAIGUENAMANAGH TINNAHINCH
FLOOD RELIEF SCHEME

DRAWING TITLE

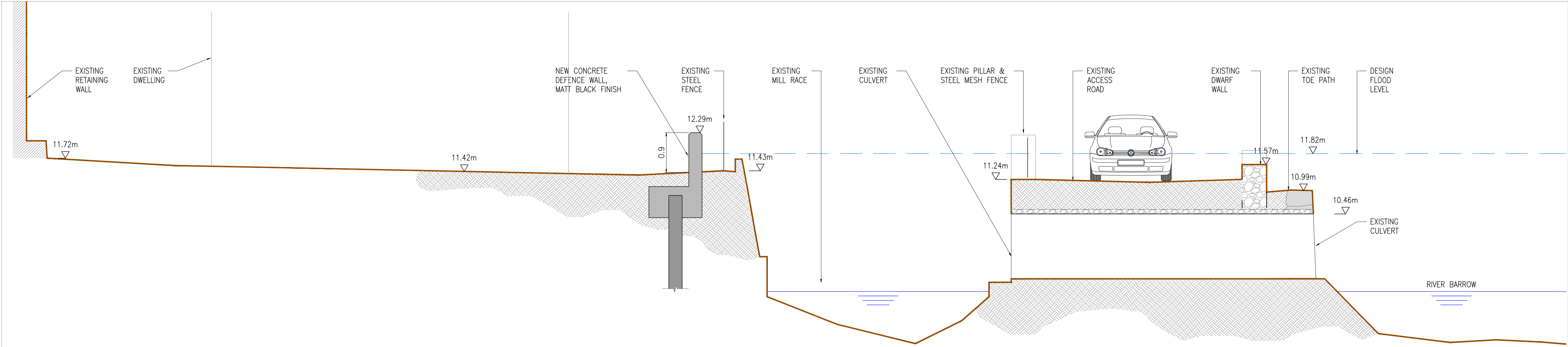
FLOOD RELIEF WORKS
TINNAHINCH QUAY
SITE PLAN & LONGITUDINAL SECTIONS

STATUS FOR PLANNING

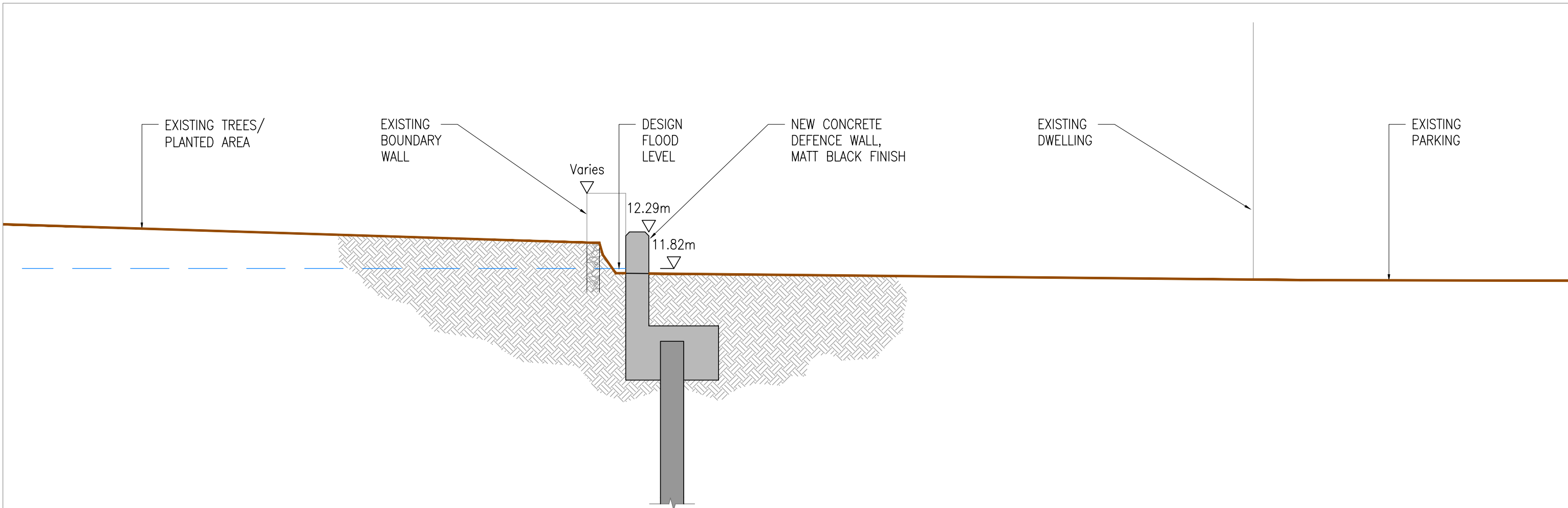
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Project No: W3451	Drg. No: W3451-AYE-DWG-W-1407			Rev: 00



SECTION A-A (1407)
(SCALE 1:50)



SECTION B-B (1407)
(SCALE 1:50)



SECTION C-C (1407)
(SCALE 1:50)

GENERAL NOTES

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 4. DESIGN FLOOD LEVEL SHOWN FOR INFO ONLY, AND APPLIES TO WET SIDE ONLY.
 5. FREEBOARD:
HARD DEFENCES: 350mm
SOFT DEFENCES: 550mm
 6. HEIGHT REFERRED TO ARE FROM CENTRELINE OF CREST OF EMBANKMENT/WALL.
 7. FOR FLOOD DEFENCES IDENTIFIER LABELS REFER TO DRAWING W3451-AYE-DWG-W-4025.
 8. FOR CONSERVATION STRATEGY WALL FINISHES REFER TO SKETCH E, DRAWING W3451-AYE-DWG-W-1442.

LEGEND:

DESIGN FLOOD LEVEL	
UPGRADE EXISTING WALL	
NEW FLOOD DEFENCE WALL	
NEW FLOOD DEFENCE RAMP, EMBANKMENT & RAISED GROUND	
PROPOSED CONCRETE WALL FINISH	
PROPOSED STONE CLAD CONCRETE WALL FINISH	
NEW VEHICLE ACCESS OVER FLOOD DEFENCES	

00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App

ayesa

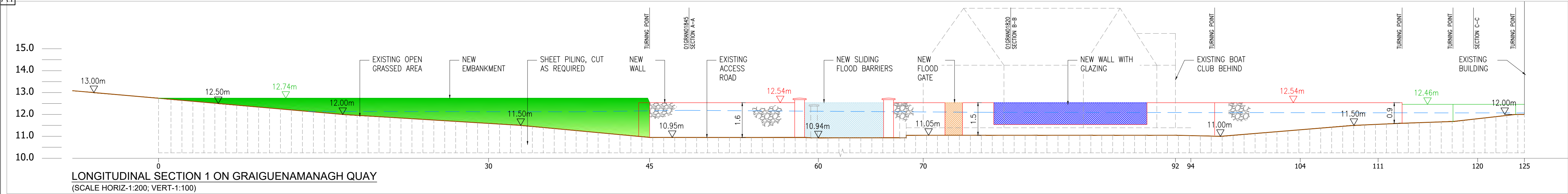
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PROJECT
GRAIGUENAMANAGH TINNAHINCH
FLOOD RELIEF SCHEME

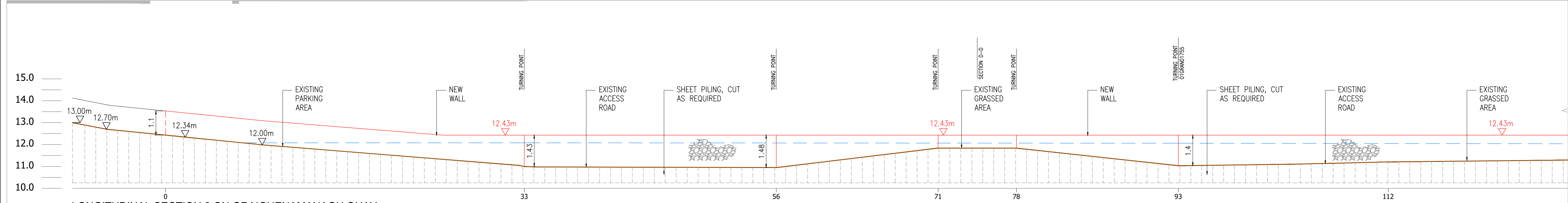
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FLOOD RELIEF WORKS
TINNAHINCH QUAY
SECTIONS

STATUS
FOR PLANNING

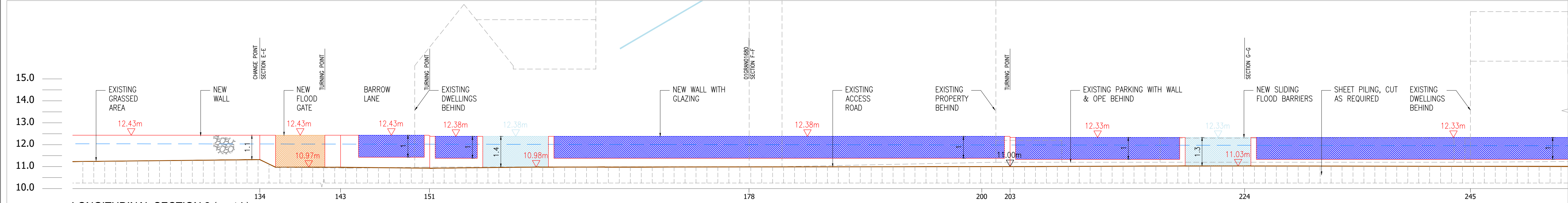
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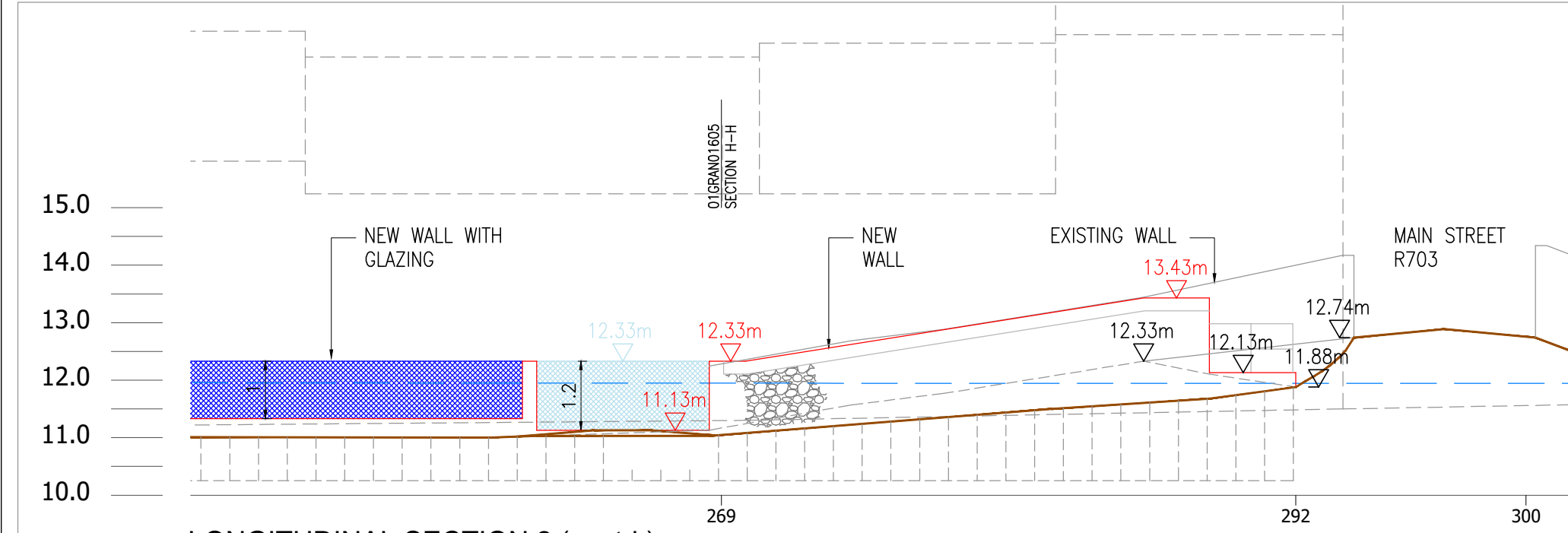
LONGITUDINAL SECTION 1 ON GRAIGUENAMANAGH QUAY
(SCALE HORIZ-1:200; VERT-1:100)



LONGITUDINAL SECTION 2 ON GRAIGUENAMANAGH QUAY
(SCALE HORIZ-1:200; VERT-1:100)



LONGITUDINAL SECTION 2 (contd.)
(SCALE HORIZ-1:200; VERT 1:100)



LONGITUDINAL SECTION 2 (contd.)
(SCALE HORIZ-1:200; VERT 1:100)

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HARD DEFENCES: 350mm
SOFT DEFENCES: 550mm
 - HEIGHT REFERRED TO ARE FROM CENTRELINE OF CREST OF EMBANKMENT/WALL.
 - FOR FLOOD DEFENCES IDENTIFIER LABELS REFER TO DRAWING W3451-AYE-DWG-W-4025.
 - FOR CONSERVATION STRATEGY WALL FINISHES REFER TO SKETCHES F & H, DRAWING W3451-AYE-DWG-W-1442.

- LEGEND:
- EXISTING GROUND LEVEL
 - DESIGN FLOOD LEVEL
 - UPGRADE EXISTING WALL
 - NEW FLOOD DEFENCE WALL
 - GLASS WALL FLOOD DEFENCE
 - NEW FLOOD GATES
 - NEW SLIDING FLOOD GATES
 - NEW FLOOD DEFENCE RAMP, EMBANKMENT & RAISED GROUND
 - PROPOSED CONCRETE WALL FINISH
 - PROPOSED STONE CLAD CONCRETE WALL FINISH
 - NEW VEHICLE ACCESS OVER FLOOD DEFENCES



KEYPLAN:

01	27.01.25	ISSUE FOR PLANNING	LT	SH	SH
00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App

ayesa

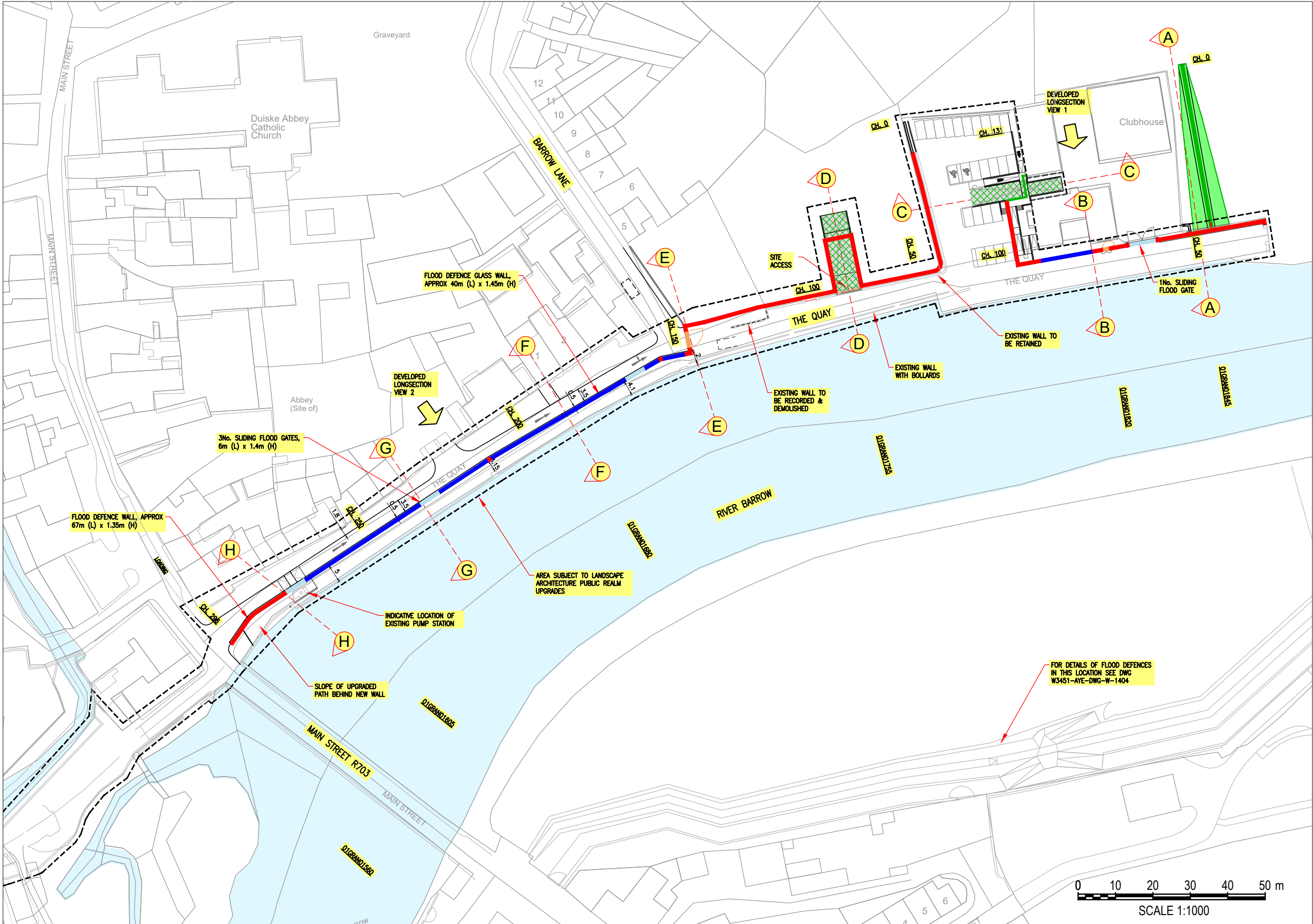
CLIENT
KILKENNY COUNTY COUNCIL

PROJECT
GRAIGUENAMANAGH TINNAHINCH
FLOOD RELIEF SCHEME

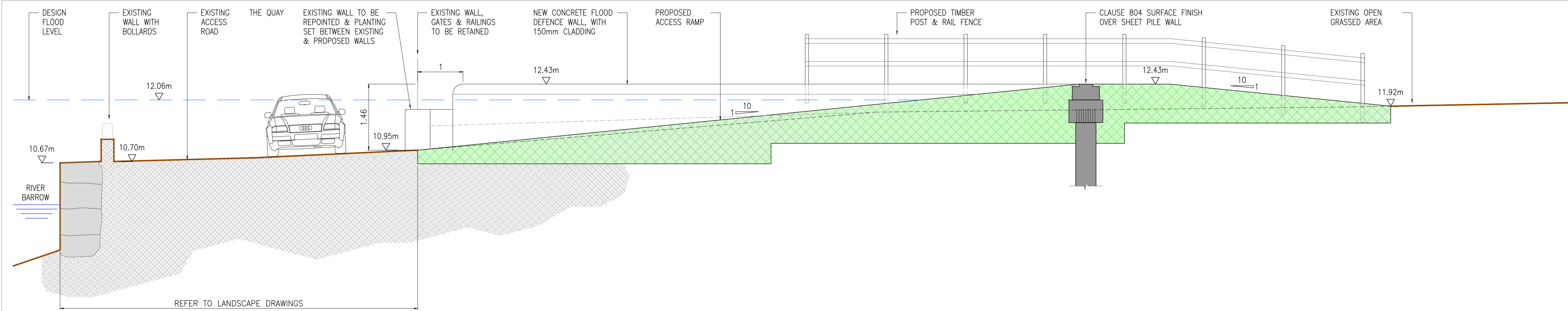
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SITE PLAN & LONGITUDINAL SECTIONS

STATUS
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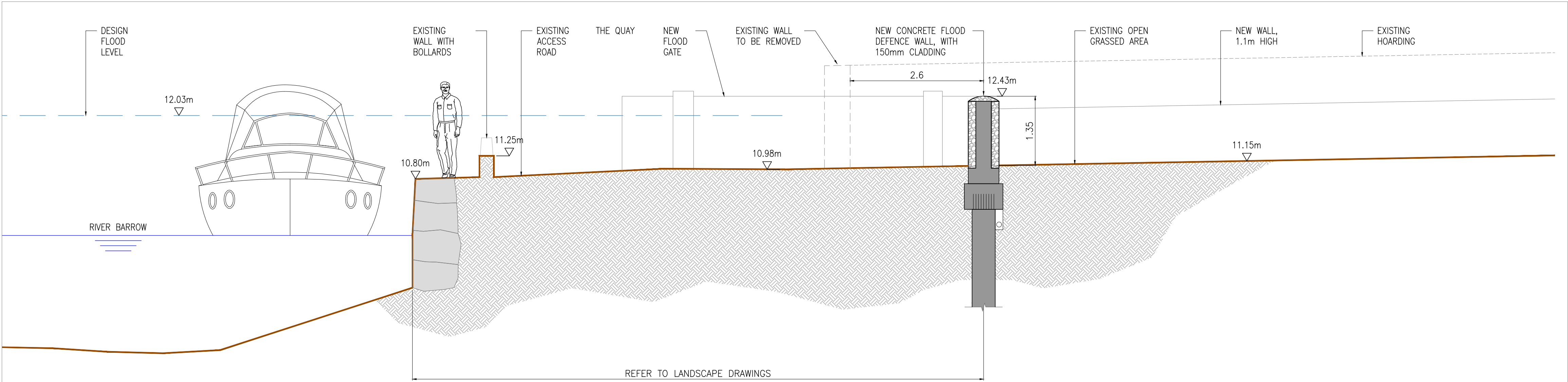
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Project No: W3451	Dwg. No: W3451-AYE-DWG-W-1410	Rev:		



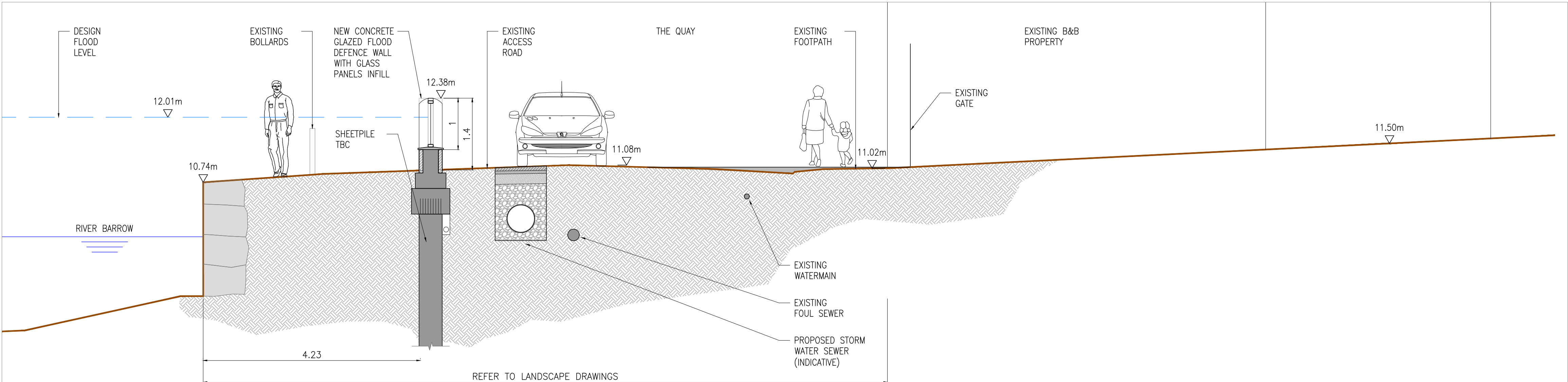
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SCALE: 1:1000



SECTION D-D (1410)
(SCALE 1:50)



SECTION E-E (1410)
(SCALE 1:50)



SECTION F-F (1410)
(SCALE 1:50)

GENERAL NOTES

- NOTES:
1. Cyal50338216 © NATIONAL MAPPING DIVISION OF TAILTE EIREANN.
 2. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
 3. LONG SECTIONS ARE DEVELOPED SECTIONS FROM THE LANDWAY/DRY SIDE OF DEFENCES.
 4. DESIGN FLOOD LEVEL SHOWN FOR INFO ONLY, AND APPLIES TO WET SIDE ONLY.
 5. FREEBOARD:
HARD DEFENCES: 350mm
SOFT DEFENCES: 550mm
 6. HEIGHT REFERRED TO ARE FROM CENTRELINE OF CREST OF EMBANKMENT/WALL.
 7. FOR FLOOD DEFENCES IDENTIFIER LABELS REFER TO DRAWING W3451-AYE-DWG-W-4025.
 8. FOR CONSERVATION STRATEGY WALL FINISHES REFER TO SKETCHES F & H, DRAWING W3451-AYE-DWG-W-1442.

LEGEND:

EXISTING GROUND LEVEL	
DESIGN FLOOD LEVEL	
UPGRADE EXISTING WALL	
NEW FLOOD DEFENCE WALL	
GLASS WALL FLOOD DEFENCE	
NEW FLOOD GATE	
NEW FLOOD DEFENCE RAMP, EMBANKMENT & RAISED GROUND	
PROPOSED CONCRETE WALL FINISH	
PROPOSED STONE CLAD CONCRETE WALL FINISH	
NEW VEHICLE ACCESS OVER FLOOD DEFENCES	

00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App

ayesa

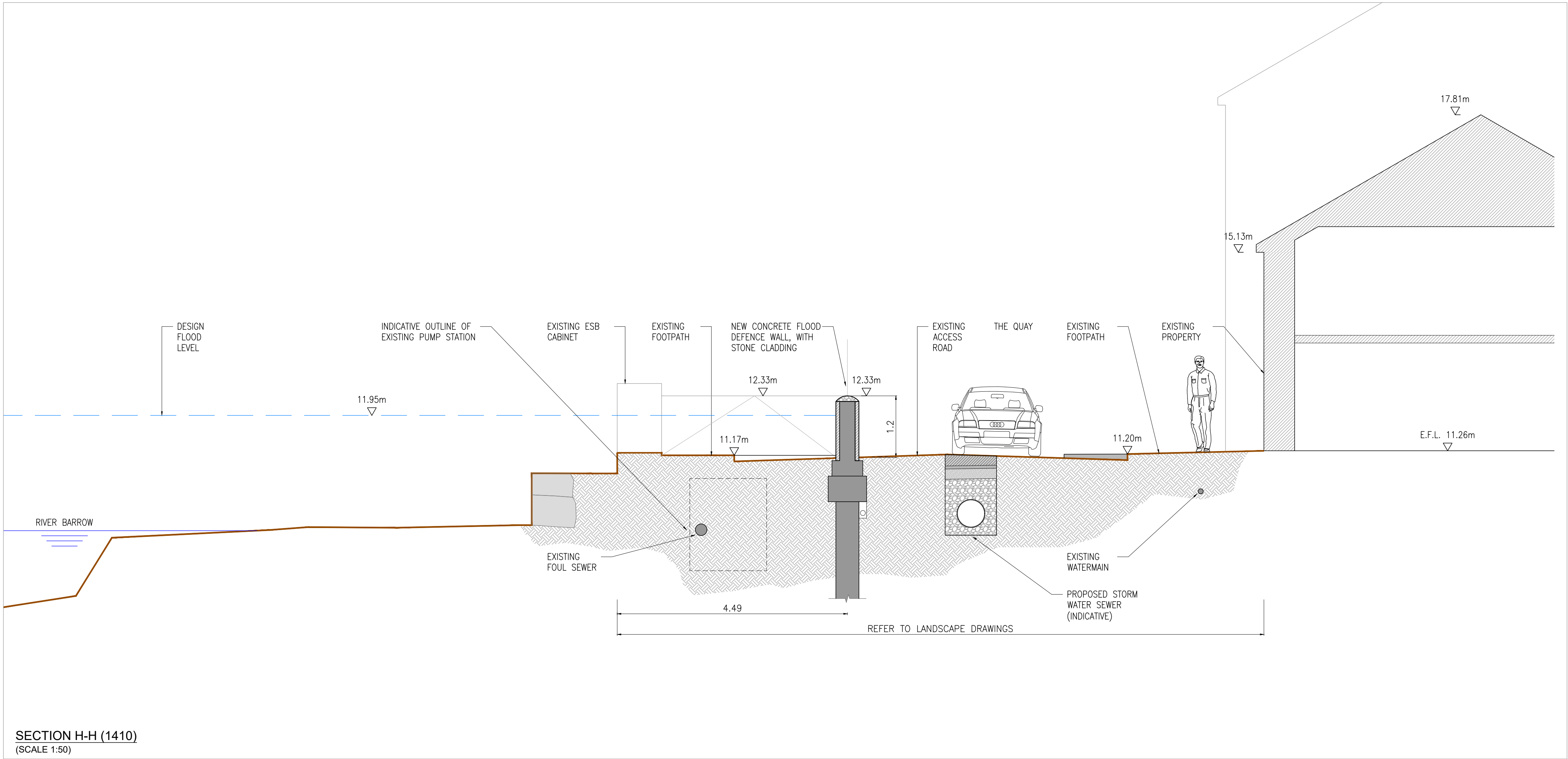
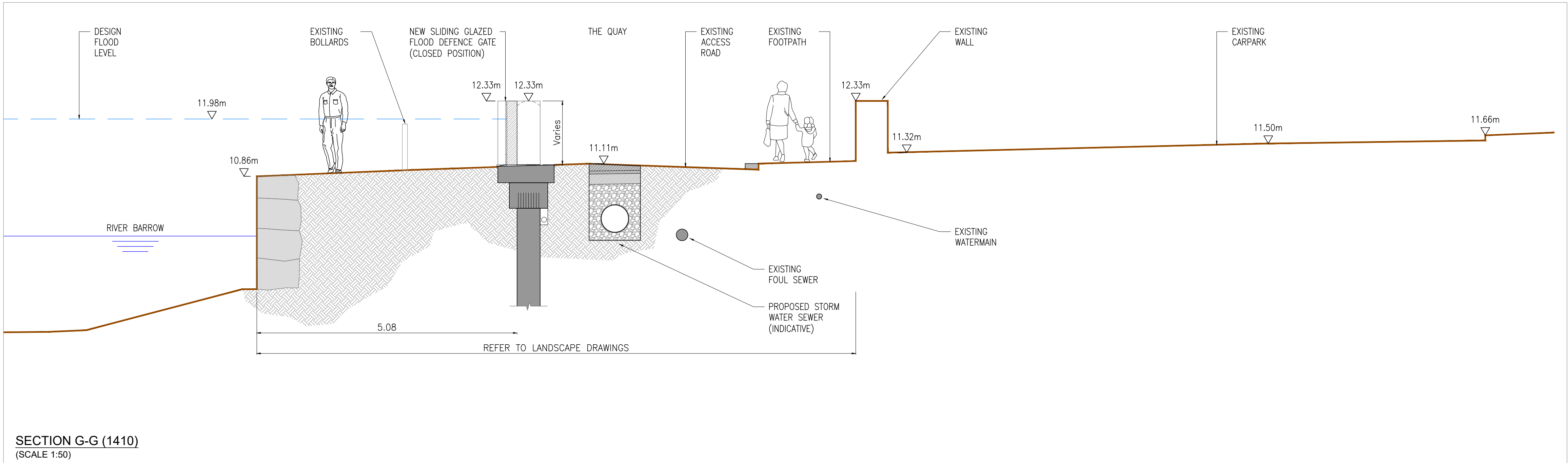
CLIENT
KILKENNY COUNTY COUNCIL

PROJECT
GRAIGUENAMANAGH TINNAHINCH
FLOOD RELIEF SCHEME

DRAWING TITLE
FLOOD RELIEF WORKS
GRAIGUENAMANAGH QUAY
SECTIONS – SHEET 2

STATUS
FOR PLANNING

Date: 31.07.24	Scale: 1:50	Drawn: LT	Chk: SH	App: SH
Project No: W3451	Dwg. No: W3451-AYE-DWG-W-1412	Rev:		00



GENERAL NOTES

NOTES:

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4. DESIGN FLOOD LEVEL SHOWN FOR INFO ONLY, AND APPLIES TO WET SIDE ONLY.

5. FREEBOARD:
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SOFT DEFENCES: 550mm

6. HEIGHT REFERRED TO ARE FROM CENTRELINE OF CREST OF EMBANKMENT/WALL.

7. FOR FLOOD DEFENCES IDENTIFIER LABELS REFER TO DRAWING W3451-AYE-DWG-W-4025.

8. FOR CONSERVATION STRATEGY WALL FINISHES REFER TO SKETCHES F & H, DRAWING W3451-AYE-DWG-W-1442.

LEGEND:

EXISTING GROUND LEVEL

DESIGN FLOOD LEVEL

UPGRADE EXISTING WALL

NEW FLOOD DEFENCE WALL

GLASS WALL FLOOD DEFENCE

NEW FLOOD GATE

NEW FLOOD DEFENCE RAMP, EMBANKMENT & RAISED GROUND

PROPOSED CONCRETE WALL FINISH

PROPOSED STONE CLAD CONCRETE WALL FINISH

NEW VEHICLE ACCESS OVER FLOOD DEFENCES

00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App

ayesa

CLIENT

KILKENNY COUNTY COUNCIL

PROJECT

GRAIGUENAMANAGH TINNAHINCH FLOOD RELIEF SCHEME

DRAWING TITLE

FLOOD RELIEF WORKS GRAIGUENAMANAGH QUAY SECTIONS – SHEET 3

STATUS

FOR PLANNING

Date: 31.07.24

Scale: 1:50

Drawn: LT

Chk: SH

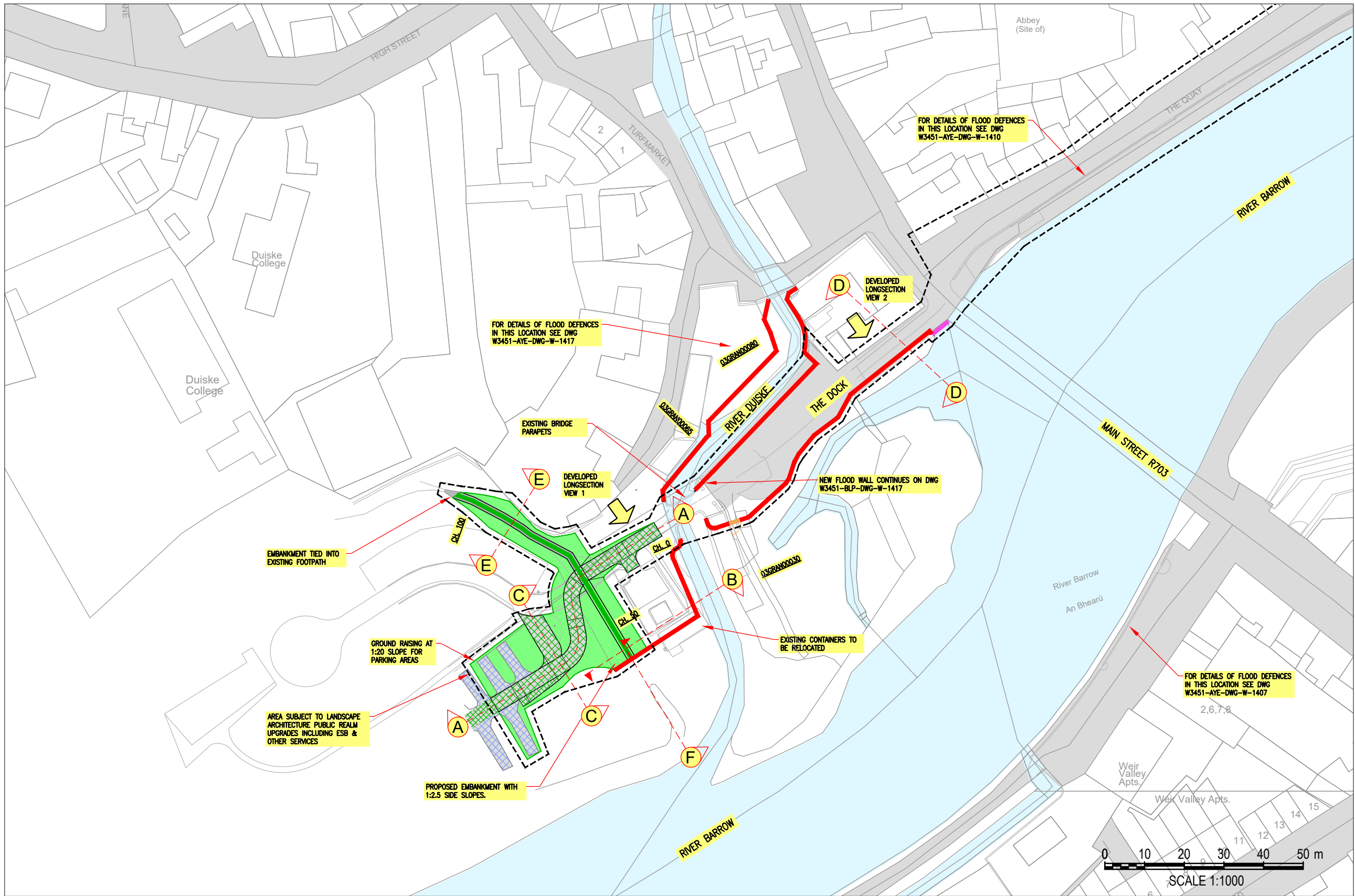
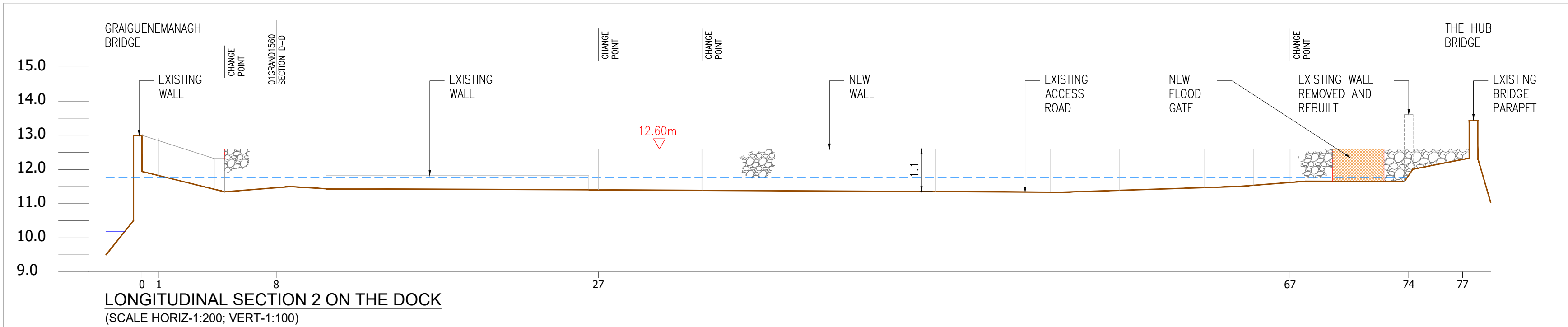
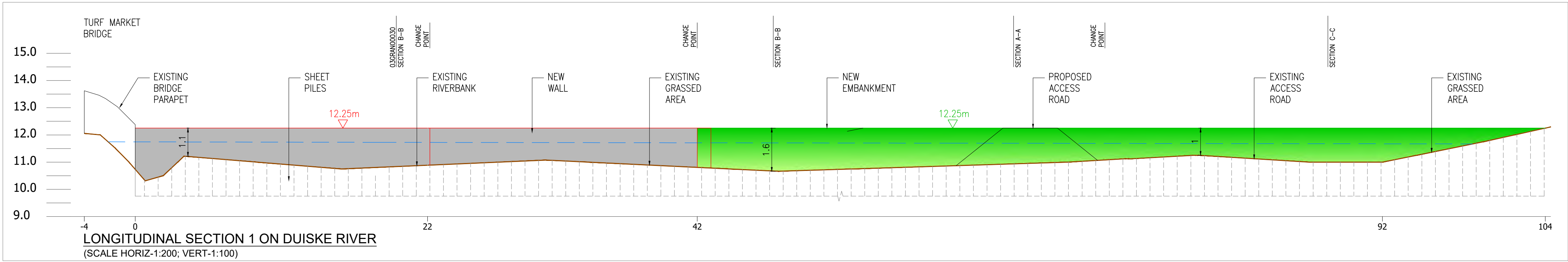
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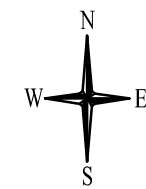
Rev: 00

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SITE PLAN
SCALE: 1:1000

GENERAL NOTES

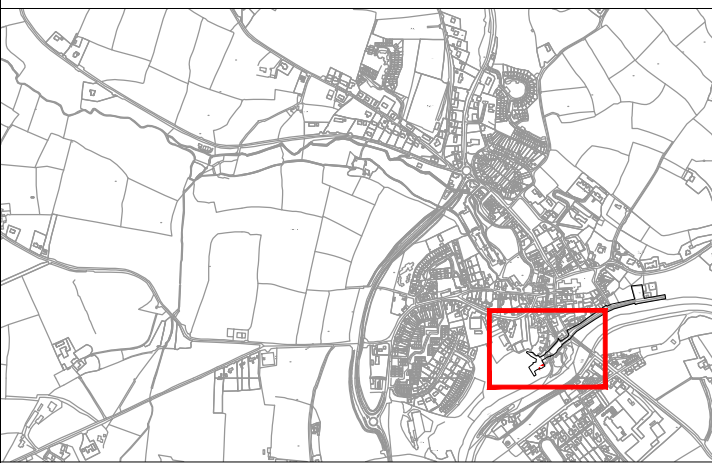


NOTES:

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3. LONG SECTIONS ARE DEVELOPED SECTIONS FROM THE DIRECTION SHOWN.
4. DESIGN FLOOD LEVEL SHOWN FOR INFO ONLY, AND APPLIES TO WET SIDE ONLY.
5. FREEBOARD:
HARD DEFENCES: 350mm
SOFT DEFENCES: 550mm
6. HEIGHT REFERRED TO ARE FROM CENTRELINE OF CREST OF EMBANKMENT/WALL.
7. FOR FLOOD DEFENCES IDENTIFIER LABELS REFER TO DRAWING W3451-AYE-DWG-W-4025.
8. FOR CONSERVATION STRATEGY WALL FINISHES REFER TO SKETCH C, DRAWING W3451-AYE-DWG-W-1442.

LEGEND:

DESIGN FLOOD LEVEL	---
UPGRADE EXISTING WALL	---
NEW FLOOD DEFENCE WALL	---
NEW FLOOD GATE	---
NEW FLOOD DEFENCE RAMP- EMBANKMENT & RAISED GROUND	---
PROPOSED CONCRETE WALL FINISH	---
PROPOSED STONE CLAD CONCRETE WALL FINISH	---
NEW VEHICLE ACCESS OVER FLOOD DEFENCES	---
EXISTING VEHICLE PARKING TO BE RETAINED	---



KEYPLAN:

00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App

ayesa

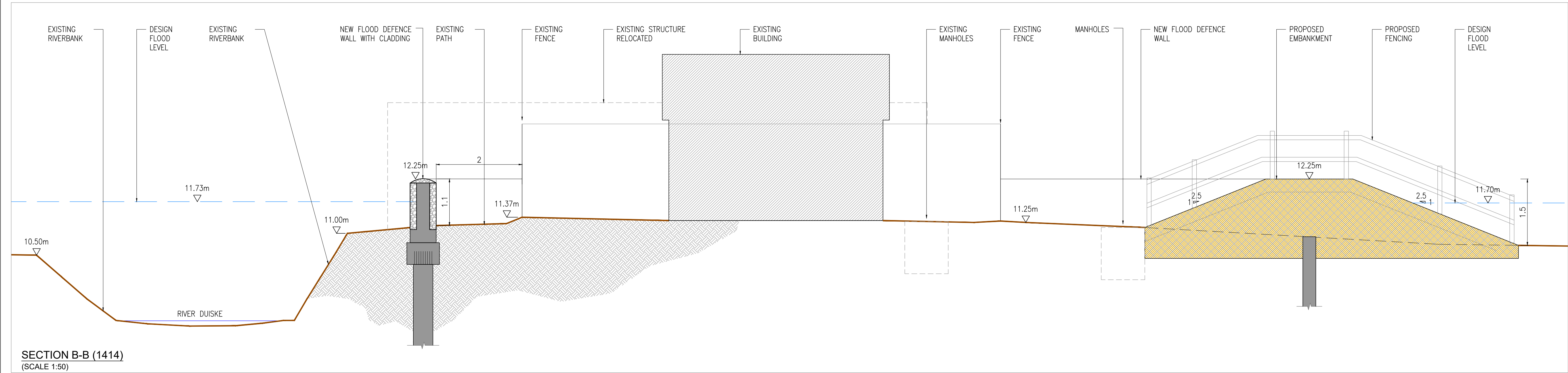
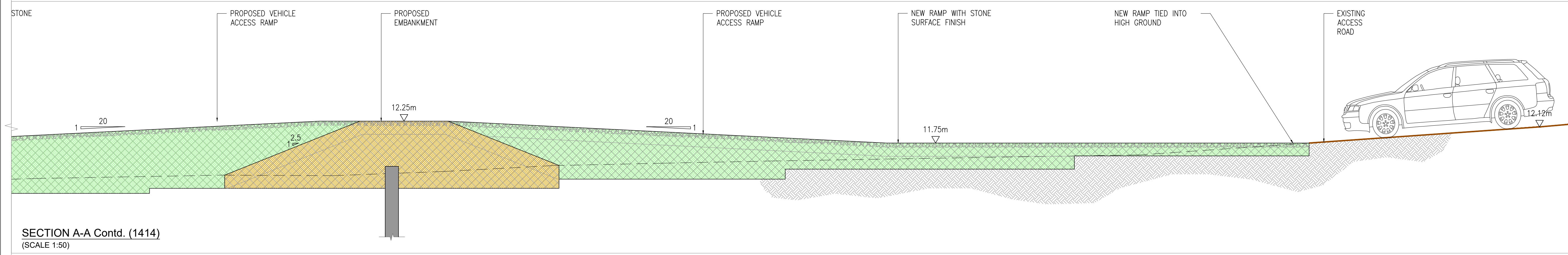
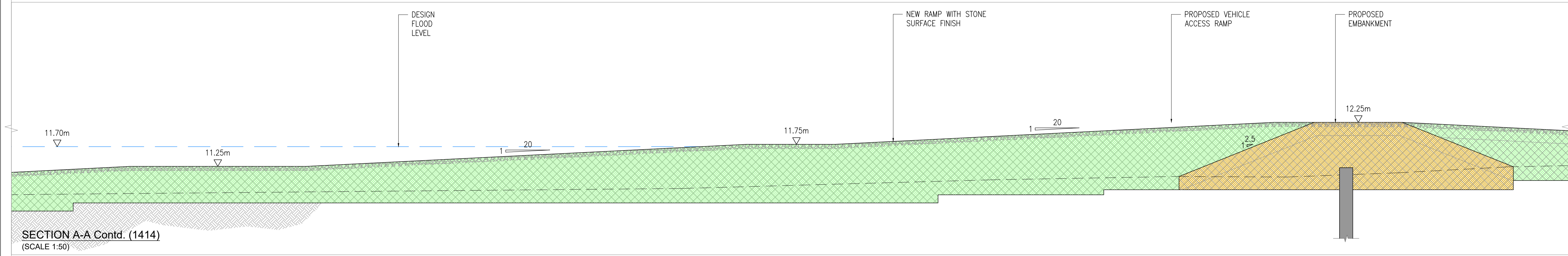
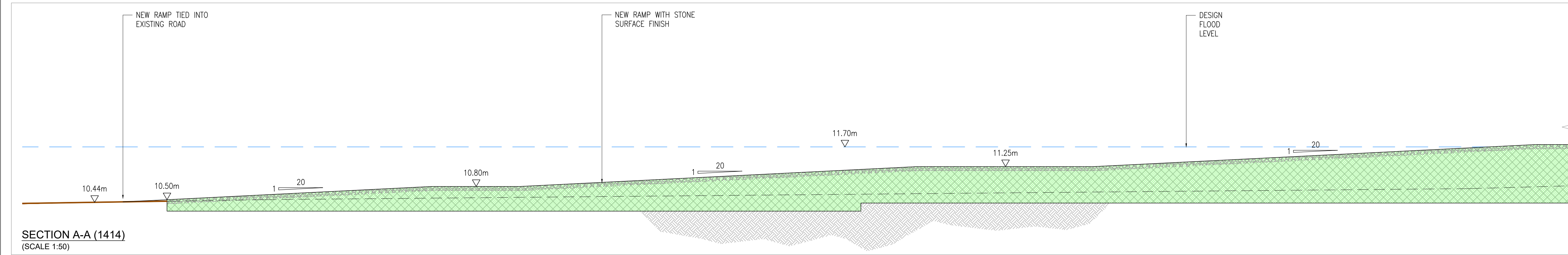
CLIENT
KILKENNY COUNTY COUNCIL

PROJECT
GRAIGUENAMANAGH TINNAHINCH
FLOOD RELIEF SCHEME

DRAWING TITLE
FLOOD RELIEF WORKS
DOCKS & HUB
SITE PLAN & LONGITUDINAL SECTIONS

STATUS
FOR PLANNING

Date: 31.07.24	Scale: 1:1000	Drawn: LT	Chk: SH	App: SH
Project No: W3451	Dwg. No: W3451-AYE-DWG-W-1414	Rev:		



GENERAL NOTES

- NOTES:
1. CYAL50338216 © NATIONAL MAPPING DIVISION OF TALTE EIREANN.
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 3. LONG SECTIONS ARE DEVELOPED SECTIONS FROM THE DIRECTION SHOWN.
 4. DESIGN FLOOD LEVEL SHOWN FOR INFO ONLY, AND APPLIES TO WET SIDE ONLY.
 5. FREEBOARD:
HARD DEFENCES: 350mm
SOFT DEFENCES: 550mm
 6. HEIGHT REFERRED TO ARE FROM CENTRELINE OF CREST OF EMBANKMENT/WALL.
 7. FOR FLOOD DEFENCES IDENTIFIER LABELS REFER TO DRAWING W3451-AYE-DWG-W-4025.
 8. FOR CONSERVATION STRATEGY WALL FINISHES REFER TO SKETCH C, DRAWING W3451-AYE-DWG-W-1442.

LEGEND:

DESIGN FLOOD LEVEL	
UPGRADE EXISTING WALL	
NEW FLOOD DEFENCE WALL	
NEW FLOOD DEFENCE RAMP, EMBANKMENT & RAISED GROUND	
PROPOSED CONCRETE WALL FINISH	
PROPOSED STONE CLAD CONCRETE WALL FINISH	
NEW VEHICLE ACCESS OVER FLOOD DEFENCES	

00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App



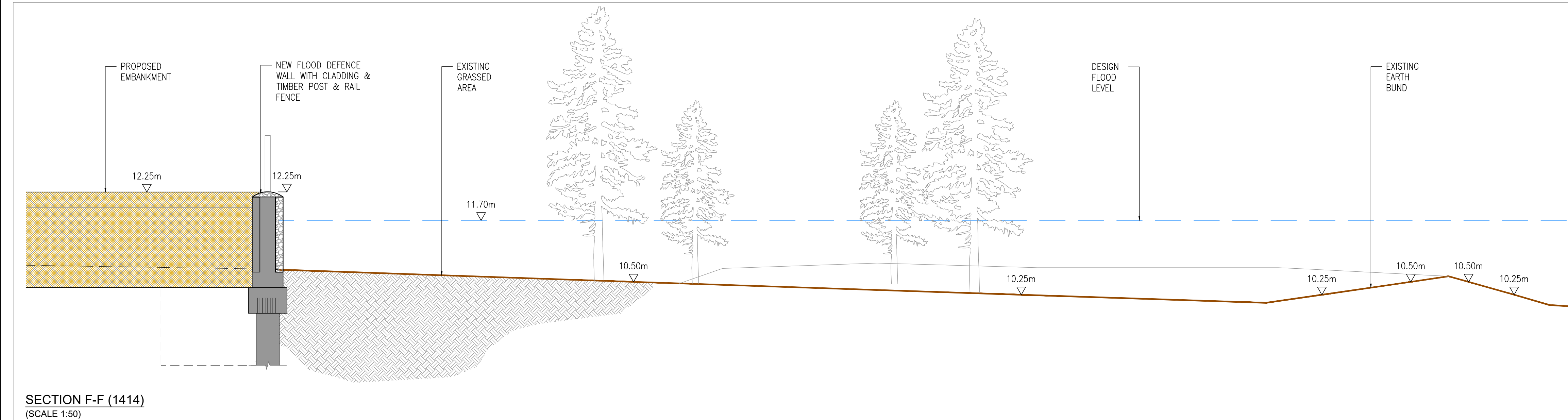
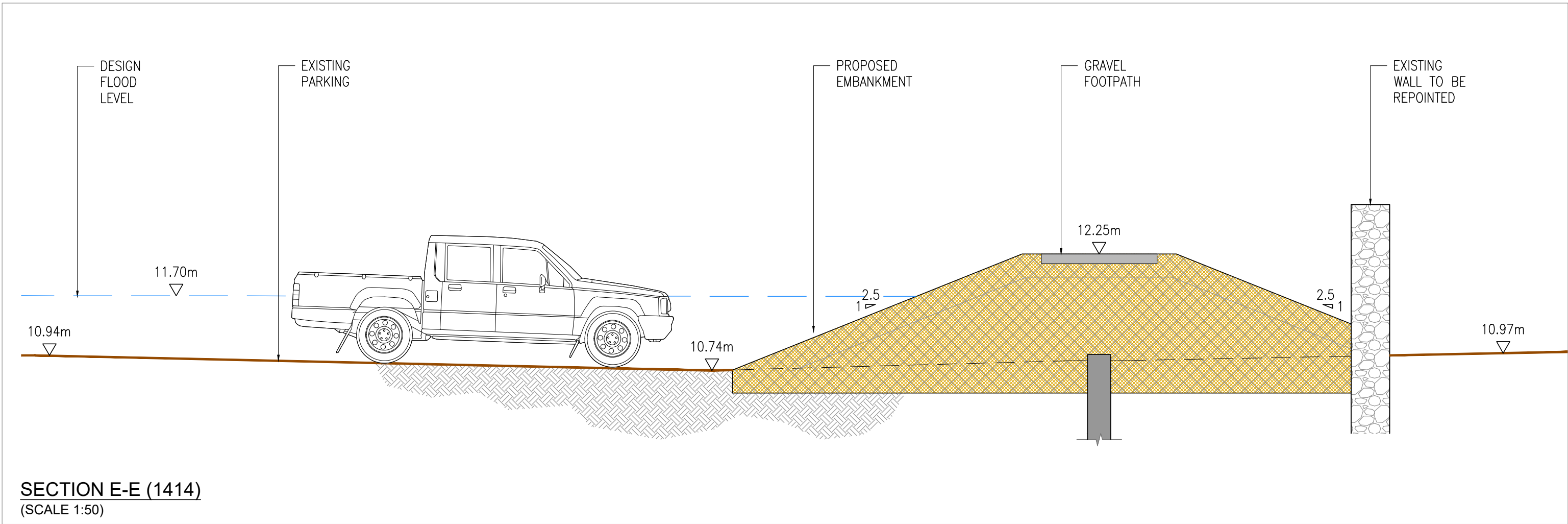
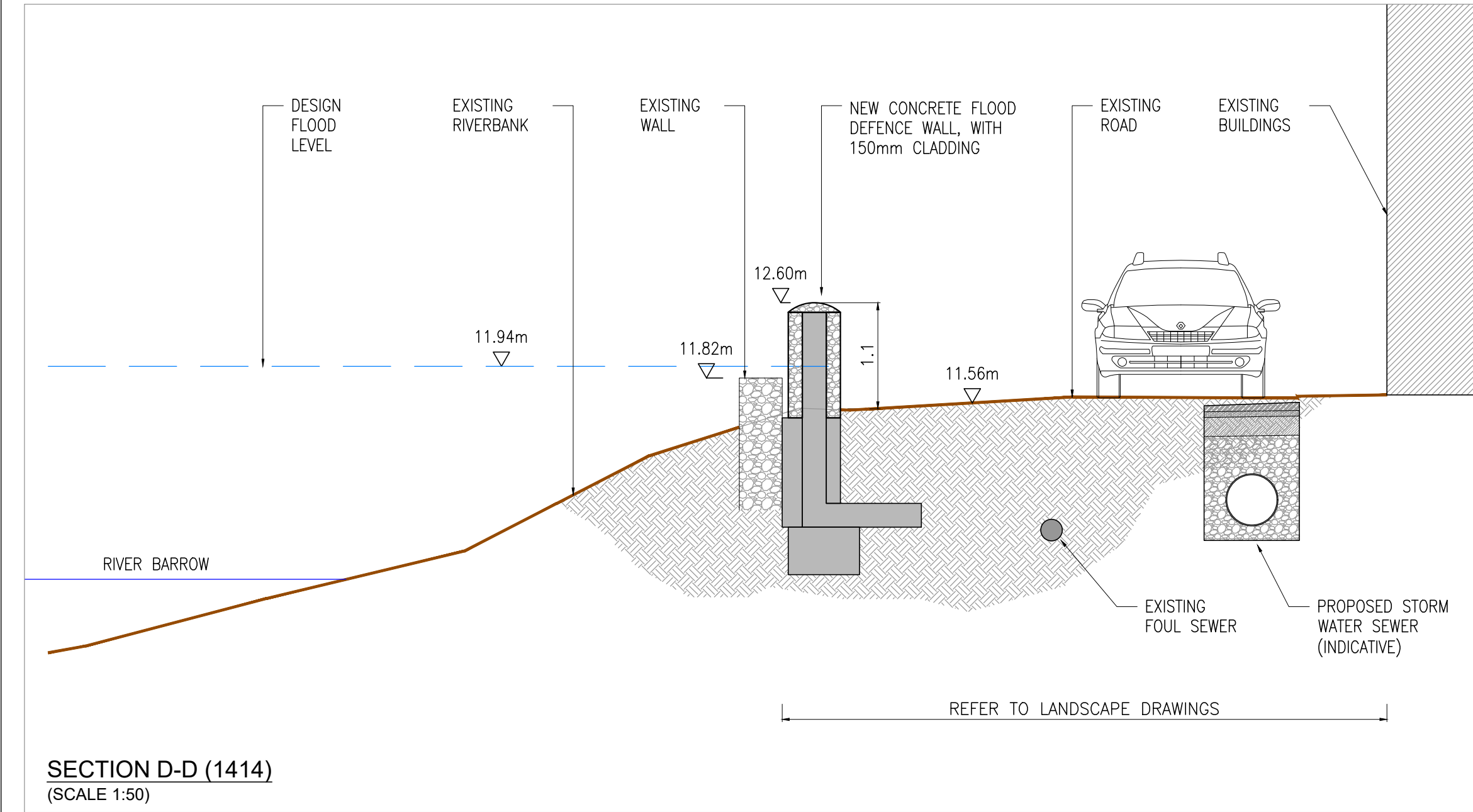
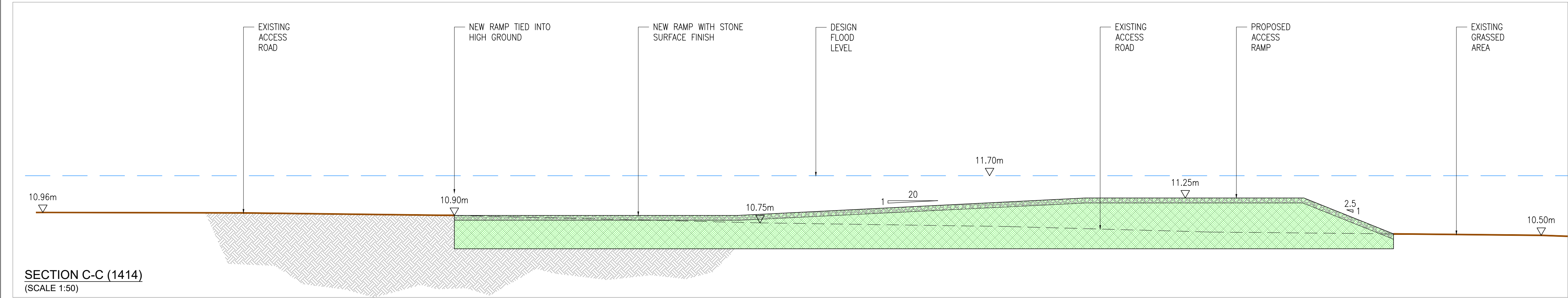
CLIENT
KILKENNY COUNTY COUNCIL

PROJECT
GRAIGUENAMANAGH TINNAHINCH
FLOOD RELIEF SCHEME

DRAWING TITLE
FLOOD RELIEF WORKS
DOCKS & HUB
SECTIONS – SHEET 1

STATUS
FOR PLANNING

Date: 31.07.24	Scale: 1:50	Drawn: LT	Chk: SH	App: SH
Project No: W3451	Dwg. No: W3451-AYE-DWG-W-1415	Rev: 00		



GENERAL NOTES

NOTES:

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3. LONG SECTIONS ARE DEVELOPED SECTIONS FROM THE DIRECTION SHOWN.

4. DESIGN FLOOD LEVEL SHOWN FOR INFO ONLY, AND APPLIES TO WET SIDE ONLY.

5. FREEBOARD:
HARD DEFENCES: 350mm
SOFT DEFENCES: 550mm

6. HEIGHT REFERRED TO ARE FROM CENTRELINE OF CREST OF EMBANKMENT/WALL.

7. FOR FLOOD DEFENCES IDENTIFIER LABELS REFER TO DRAWING W3451-AYE-DWG-W-4025.

8. FOR CONSERVATION STRATEGY WALL FINISHES REFER TO SKETCH C, DRAWING W3451-AYE-DWG-W-1442.

LEGEND:

DESIGN FLOOD LEVEL

UPGRADE EXISTING WALL

NEW FLOOD DEFENCE WALL

NEW FLOOD DEFENCE RAMP, EMBANKMENT & RAISED GROUND

PROPOSED CONCRETE WALL FINISH

PROPOSED STONE CLAD CONCRETE WALL FINISH

NEW VEHICLE ACCESS OVER FLOOD DEFENCES

00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App

ayesa

CLIENT
KILKENNY COUNTY COUNCIL

PROJECT
GRAIGUENAMANAGH TINNAHINCH FLOOD RELIEF SCHEME

DRAWING TITLE
FLOOD RELIEF WORKS
DOCKS & HUB
SECTIONS – SHEET 2

STATUS
FOR PLANNING

Date: 31.07.24

Project No: W3451

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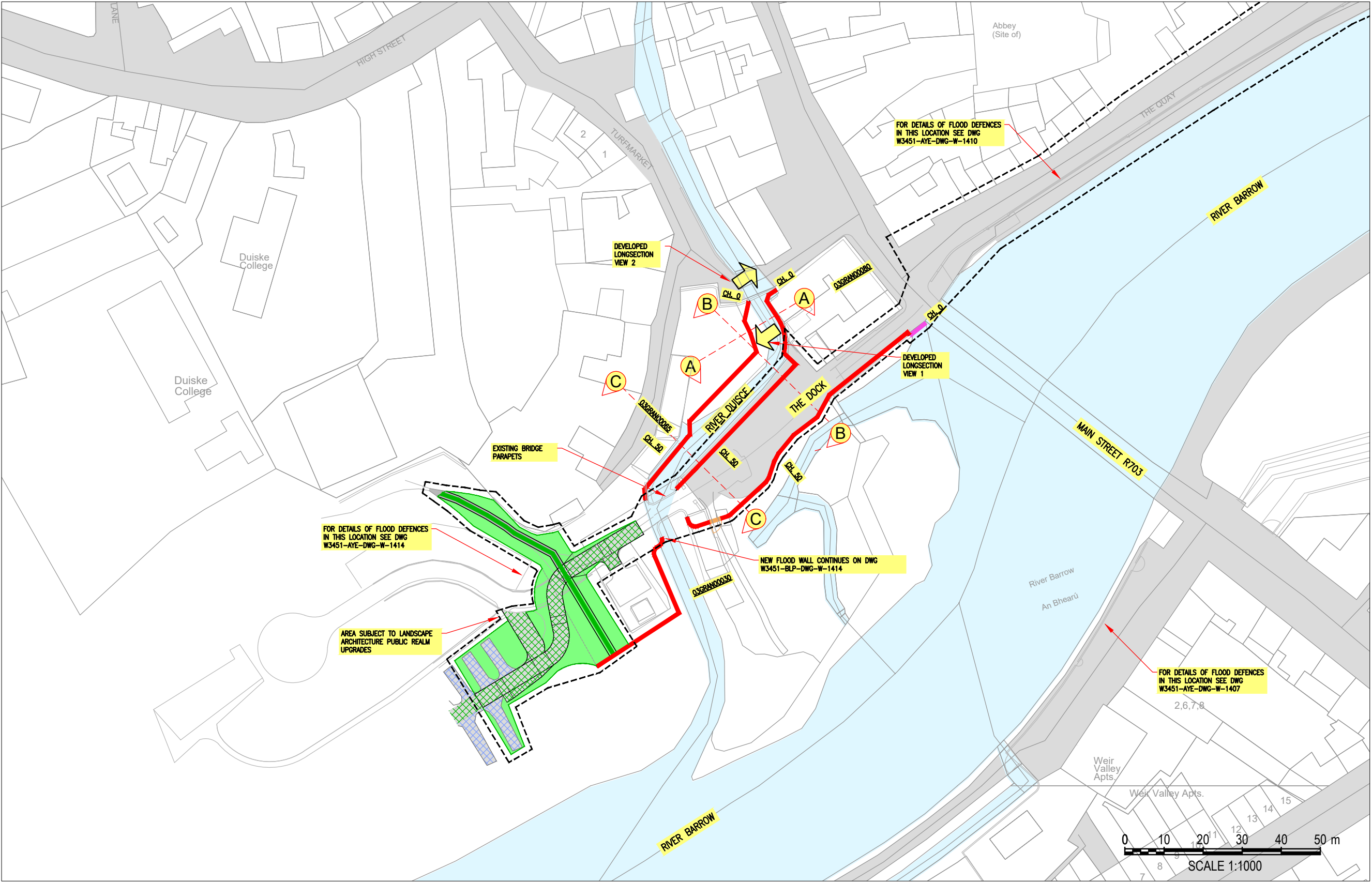
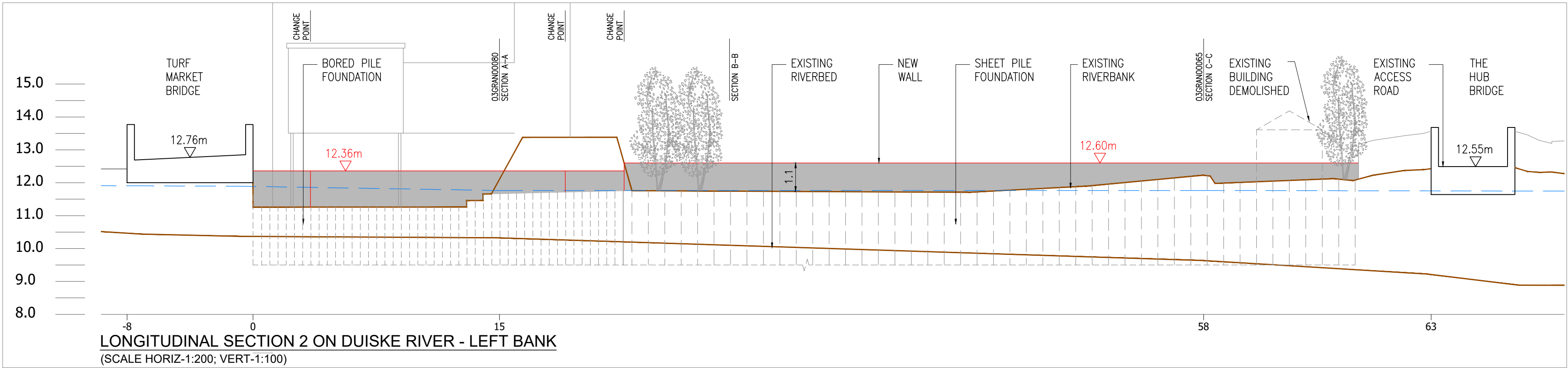
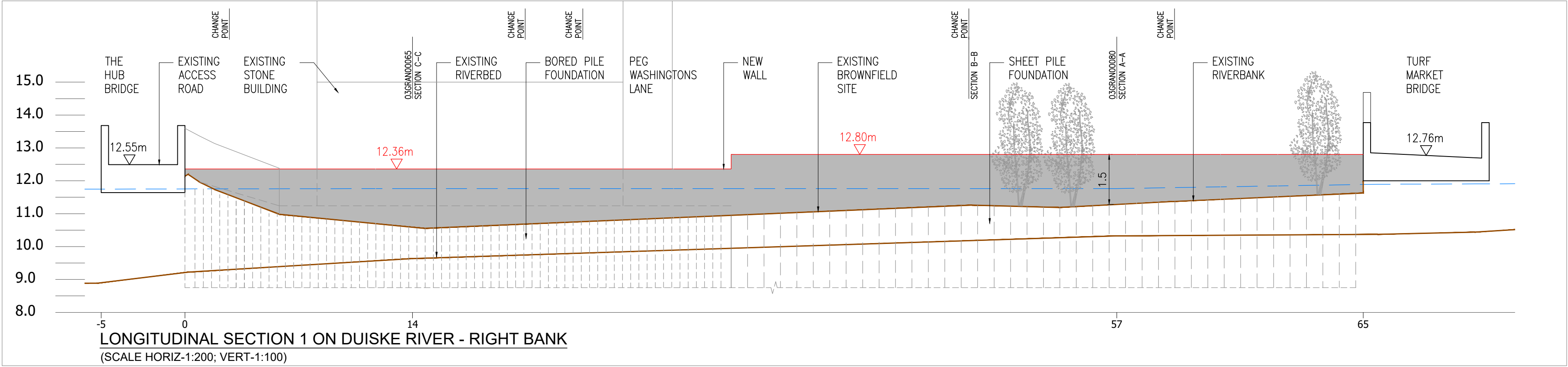
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Drawn: LT

Rev: 00

Chk: SH

App: SH



SITE PLAN
SCALE: 1:1000

GENERAL NOTES



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8. FOR CONSERVATION STRATEGY WALL FINISHES REFER TO SKETCHES C & D, DRAWING W3451-AYE-DWG-W-1442.

LEGEND:

DESIGN FLOOD LEVEL	---
UPGRADE EXISTING WALL	---
NEW FLOOD DEFENCE WALL	---
NEW FLOOD GATE	---
NEW FLOOD DEFENCE RAMP, EMBANKMENT & RAISED GROUND	---
PROPOSED CONCRETE WALL FINISH	---
PROPOSED STONE CLAD CONCRETE WALL FINISH	---
NEW VEHICLE ACCESS OVER FLOOD DEFENCES	---
EXISTING VEHICLE PARKING TO BE RETAINED	---



KEYPLAN:

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Rev	Date	Description	By	Chk	App

ayesa

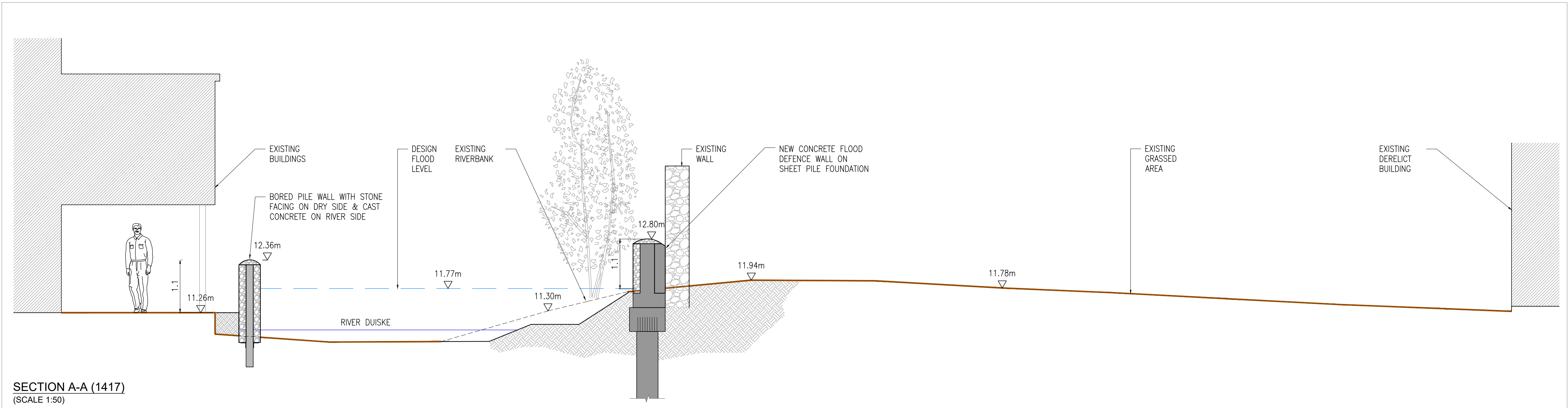
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KILKENNY COUNTY COUNCIL

PROJECT
GRAIGUENAMANAGH TINNAHINCH
FLOOD RELIEF SCHEME

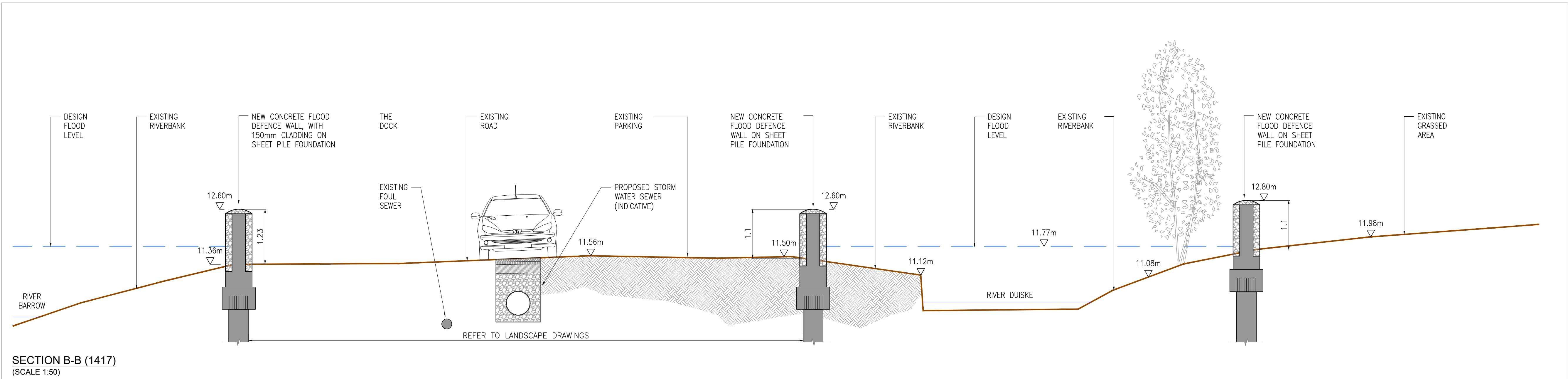
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FLOOD RELIEF WORKS
LOWER TURFMARKET
SITE PLAN & LONGITUDINAL SECTIONS

STATUS
FOR PLANNING

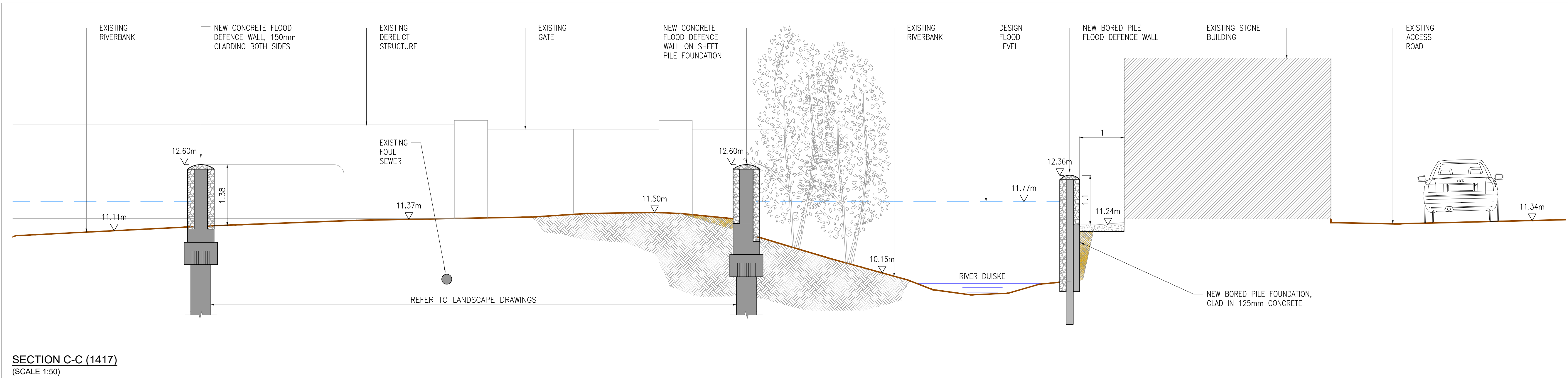
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Project No: W3451	Dr. No: W3451-AYE-DWG-W-1417	Rev:		



SECTION A-A (1417)
(SCALE 1:50)



SECTION B-B (1417)
(SCALE 1:50)



SECTION C-C (1417)
(SCALE 1:50)

GENERAL NOTES

NOTES:

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LEGEND:

DESIGN FLOOD LEVEL	
UPGRADE EXISTING WALL	
NEW FLOOD DEFENCE WALL	
NEW FLOOD DEFENCE RAMP, EMBANKMENT & RAISED GROUND	
PROPOSED CONCRETE WALL FINISH	
PROPOSED STONE CLAD CONCRETE WALL FINISH	
NEW VEHICLE ACCESS OVER FLOOD DEFENCES	

00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App

ayesa

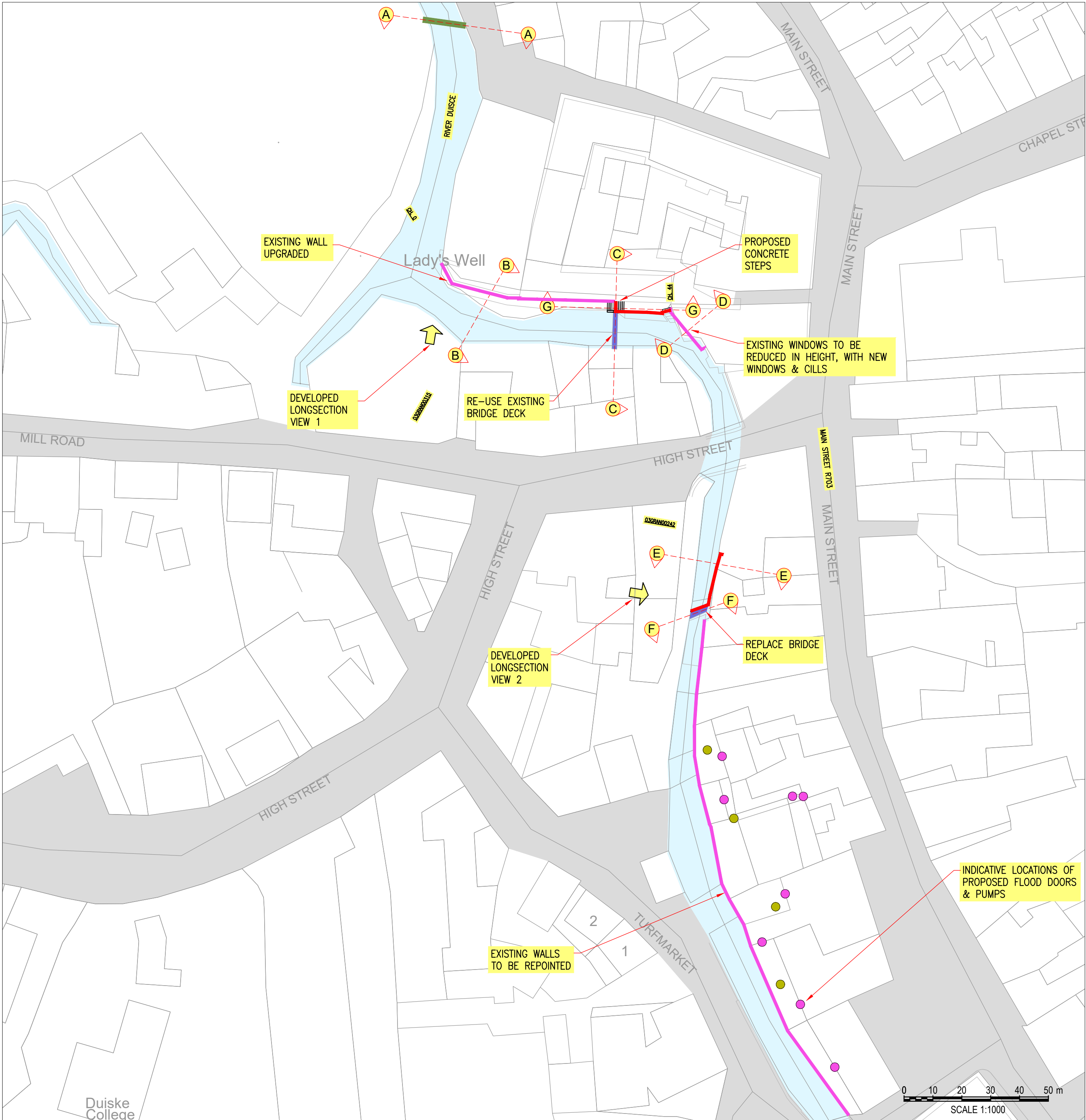
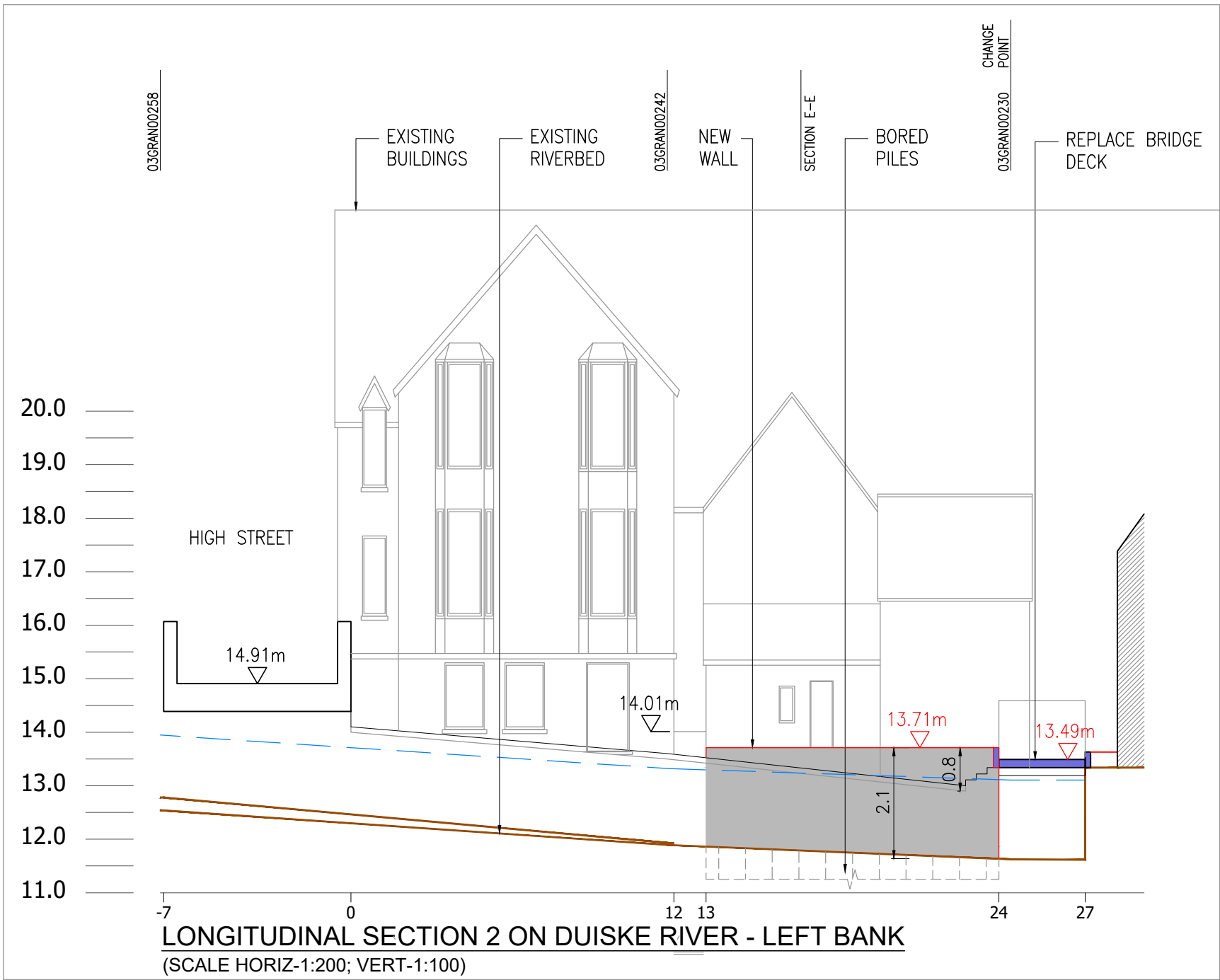
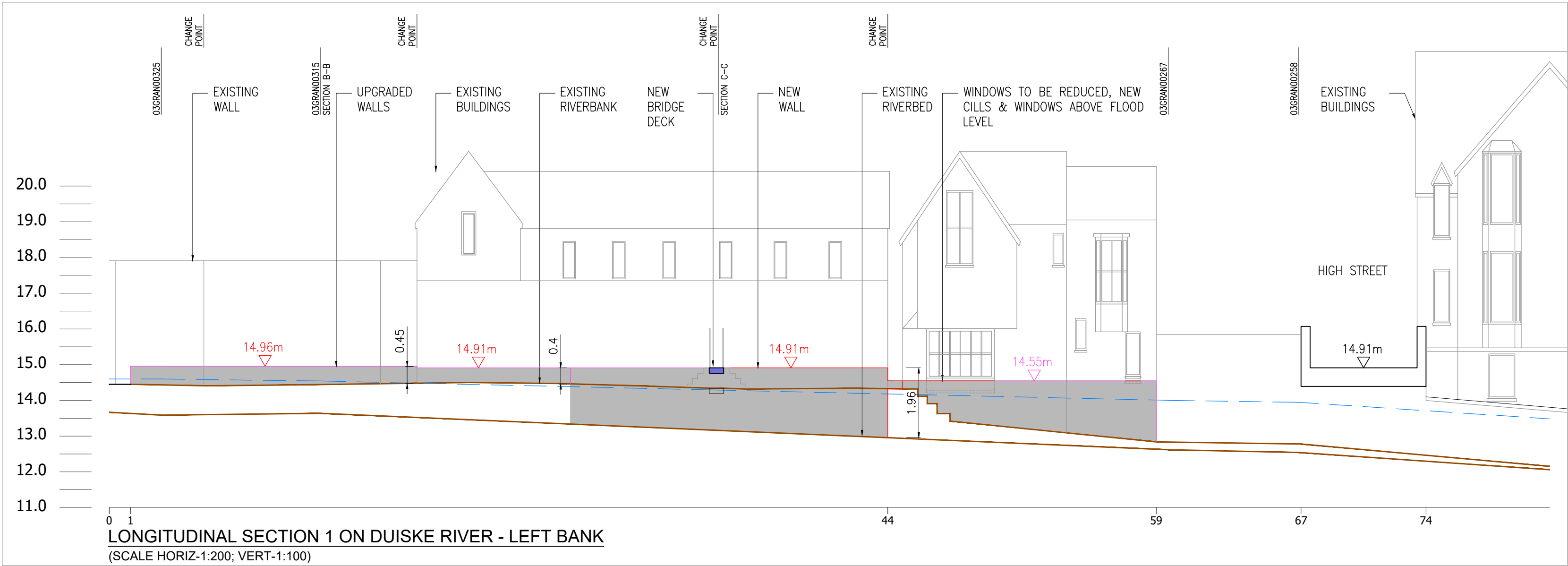
CLIENT
KILKENNY COUNTY COUNCIL

PROJECT
GRAIGUENAMAGH TINNAHINCH
FLOOD RELIEF SCHEME

DRAWING TITLE
FLOOD RELIEF WORKS
LOWER TURFMARKET
SECTIONS

STATUS
FOR PLANNING

Date: 31.07.24	Scale: 1:50	Drawn: LT	Chk: SH	App: SH
Project No: W3451	Drg. No: W3451-AYE-DWG-W-1418	Rev: 00		



GENERAL NOTES



NOTES:

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8. FOR CONSERVATION STRATEGY WALL FINISHES REFER TO SKETCHES A & C, DRAWING W3451-AYE-DWG-W-1442.

LEGEND:

- DESIGN FLOOD LEVEL
- UPGRADE EXISTING DEFENCES
- NEW FLOOD DEFENCE WALL
- PROPOSED FLOOD GATE
- NEW FLOOD DEFENCE RAMP- EMBANKMENT & RAISED GROUND
- PROPOSED FOOTBRIDGE
- PROPOSED TRASH SCREEN
- PROPOSED CONCRETE WALL FINISH/RENDER
- PROPOSED STONE CLAD CONCRETE WALL FINISH
- NEW VEHICLE ACCESS OVER FLOOD DEFENCES
- PROPOSED PROPERTY WITH FLOOD DOORS
- PROPOSED PROPERTY WITH SUMP & SUBMERSIBLE PUMP



KEYPLAN:

00	04.11.24	ISSUE FOR PLANNING	LT	SH	SH
00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App

ayesa

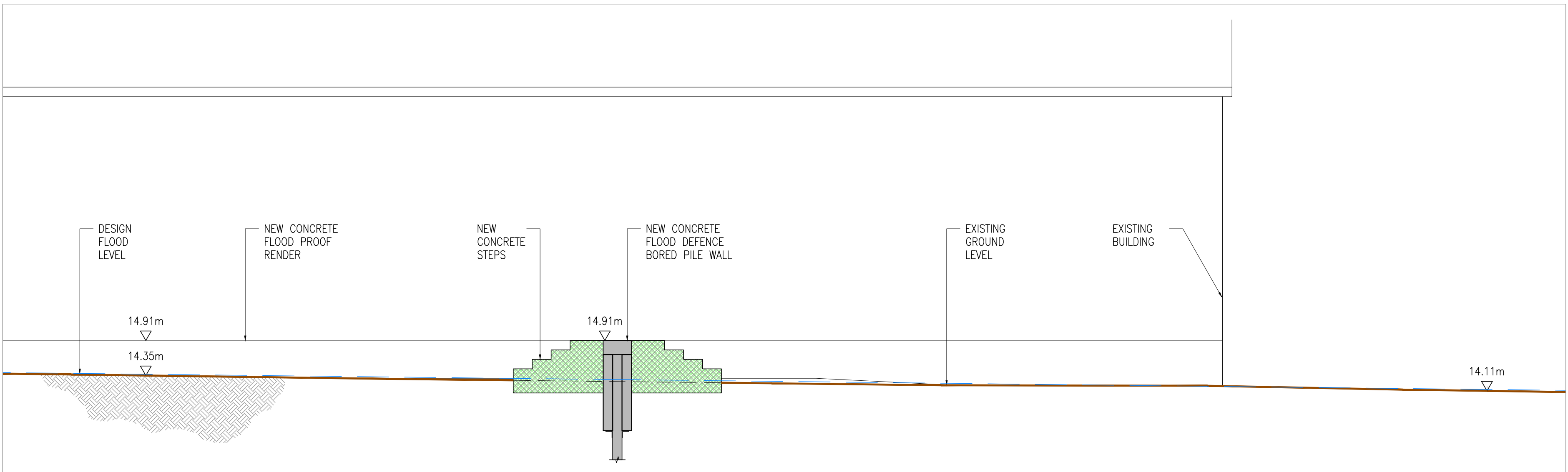
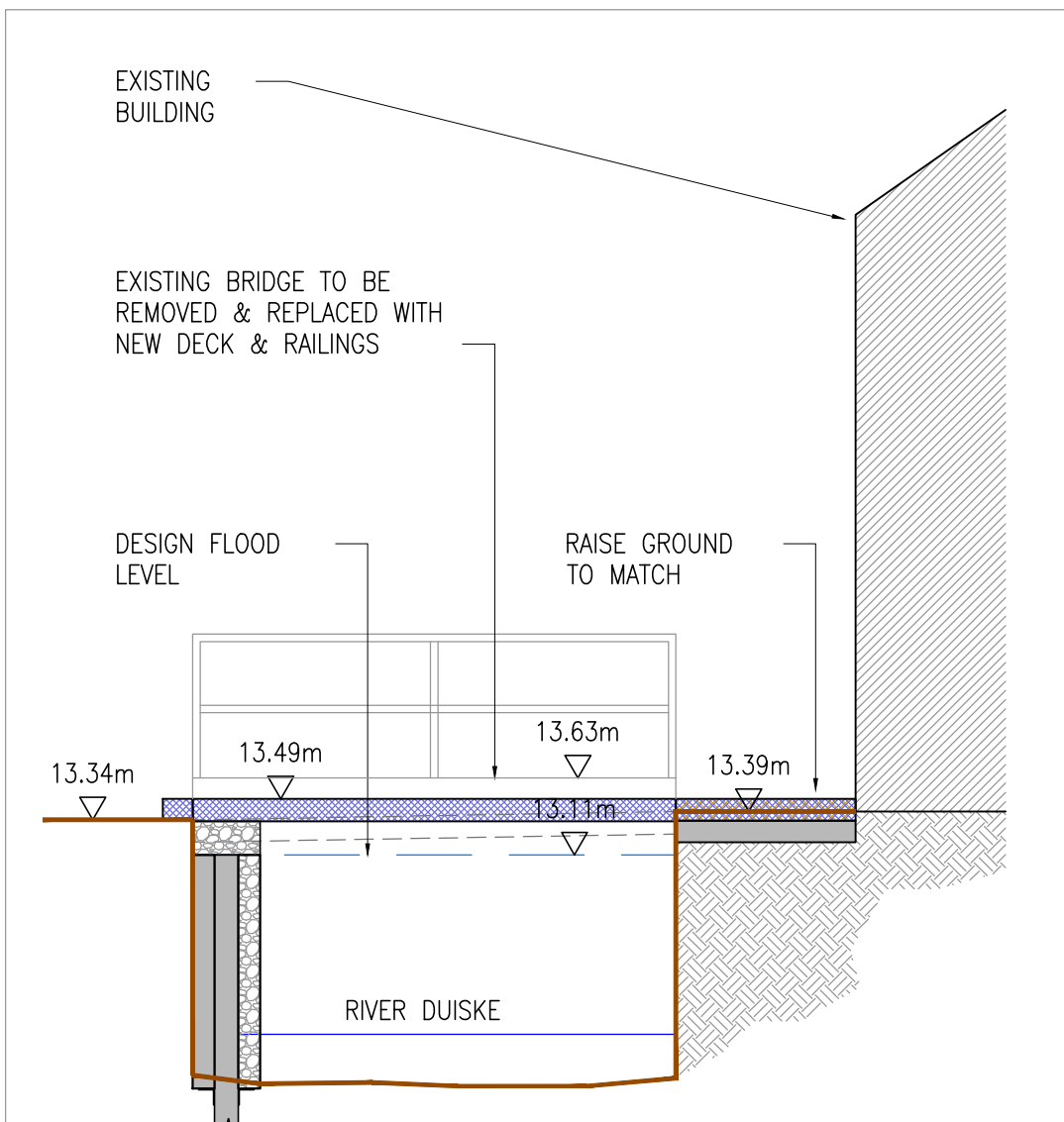
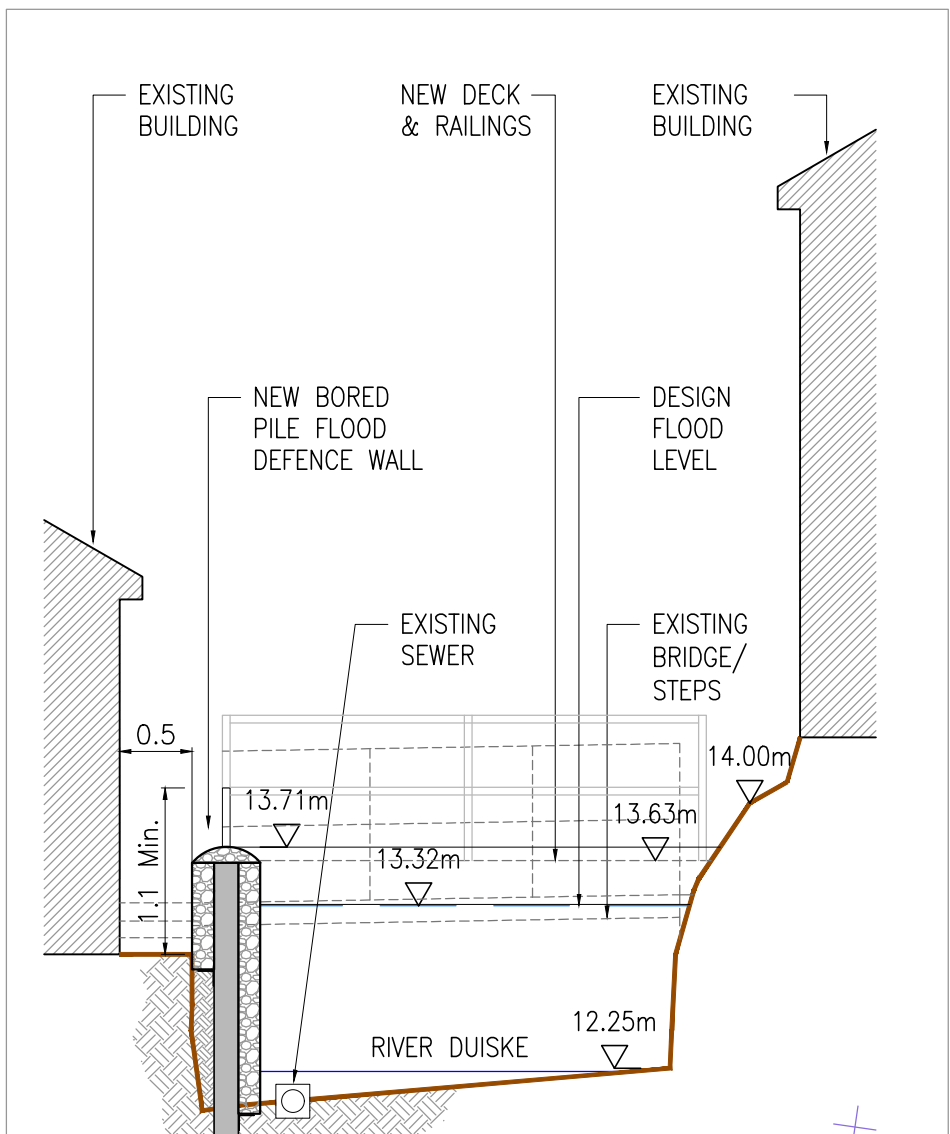
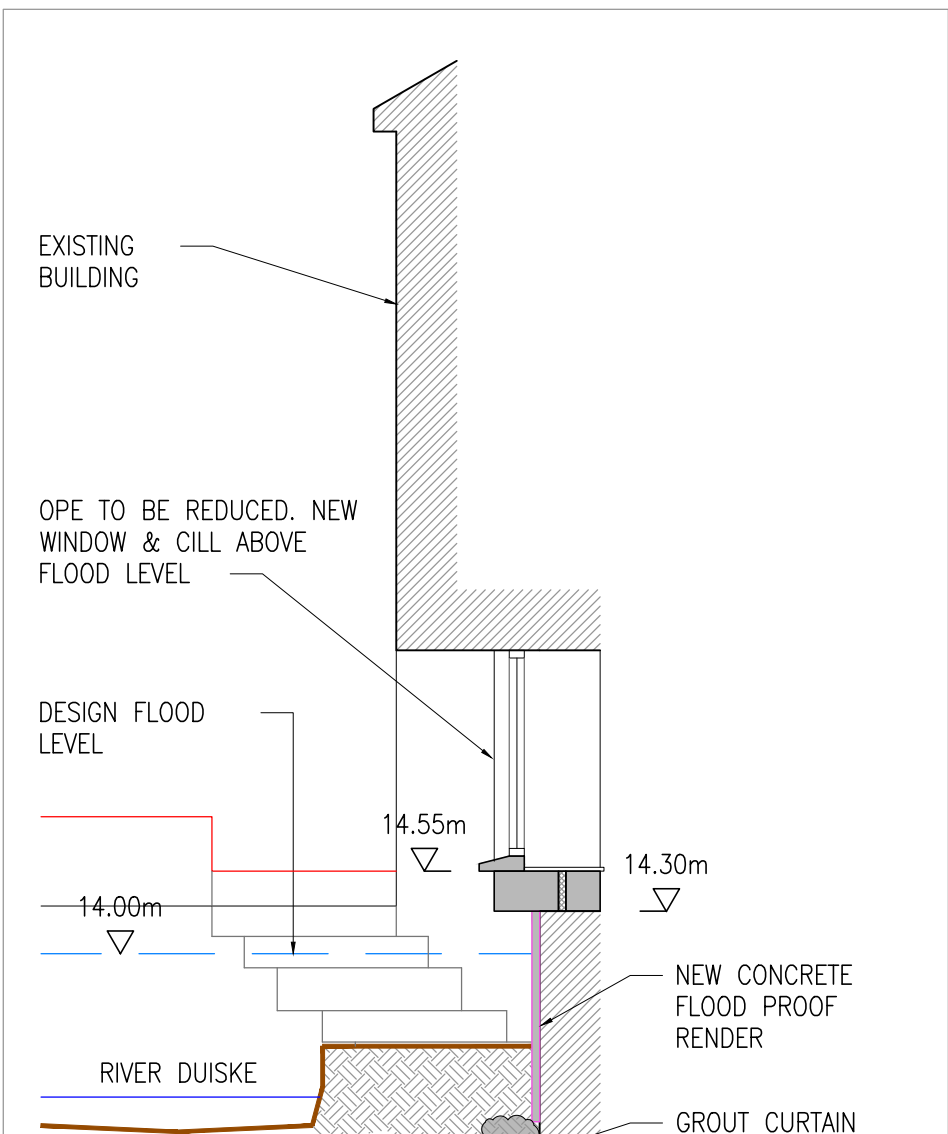
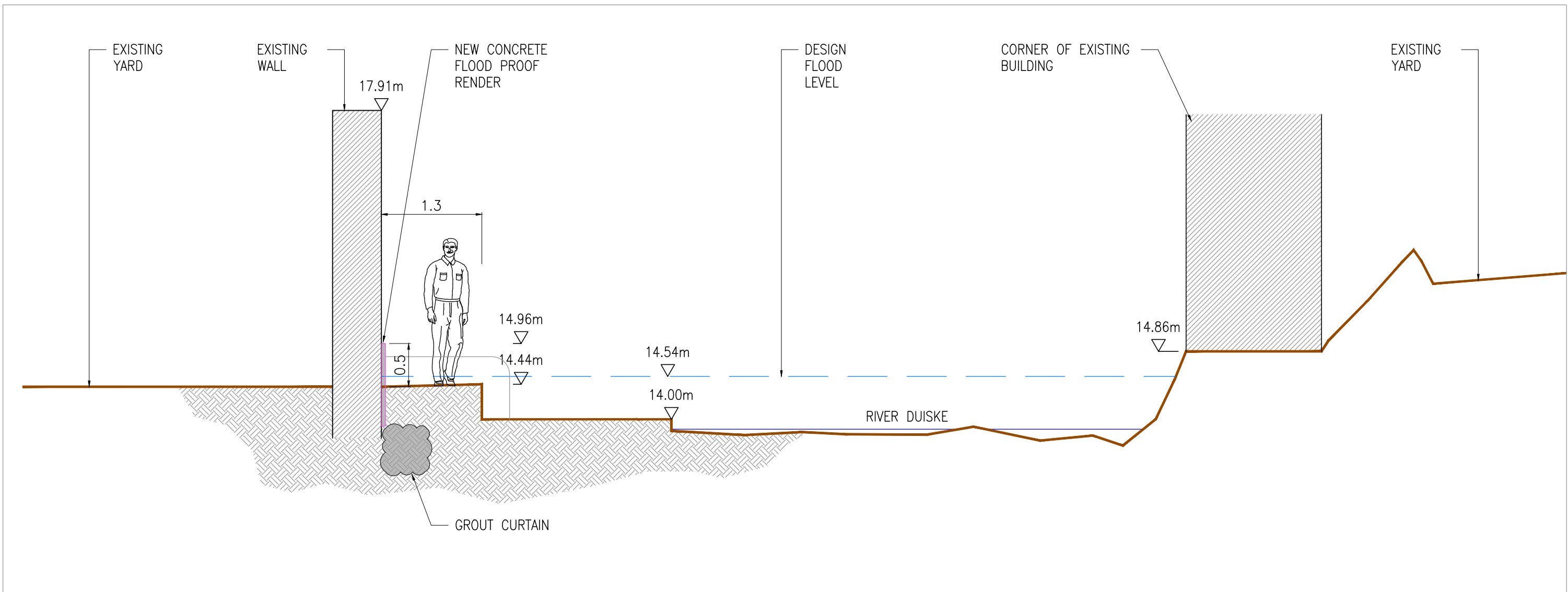
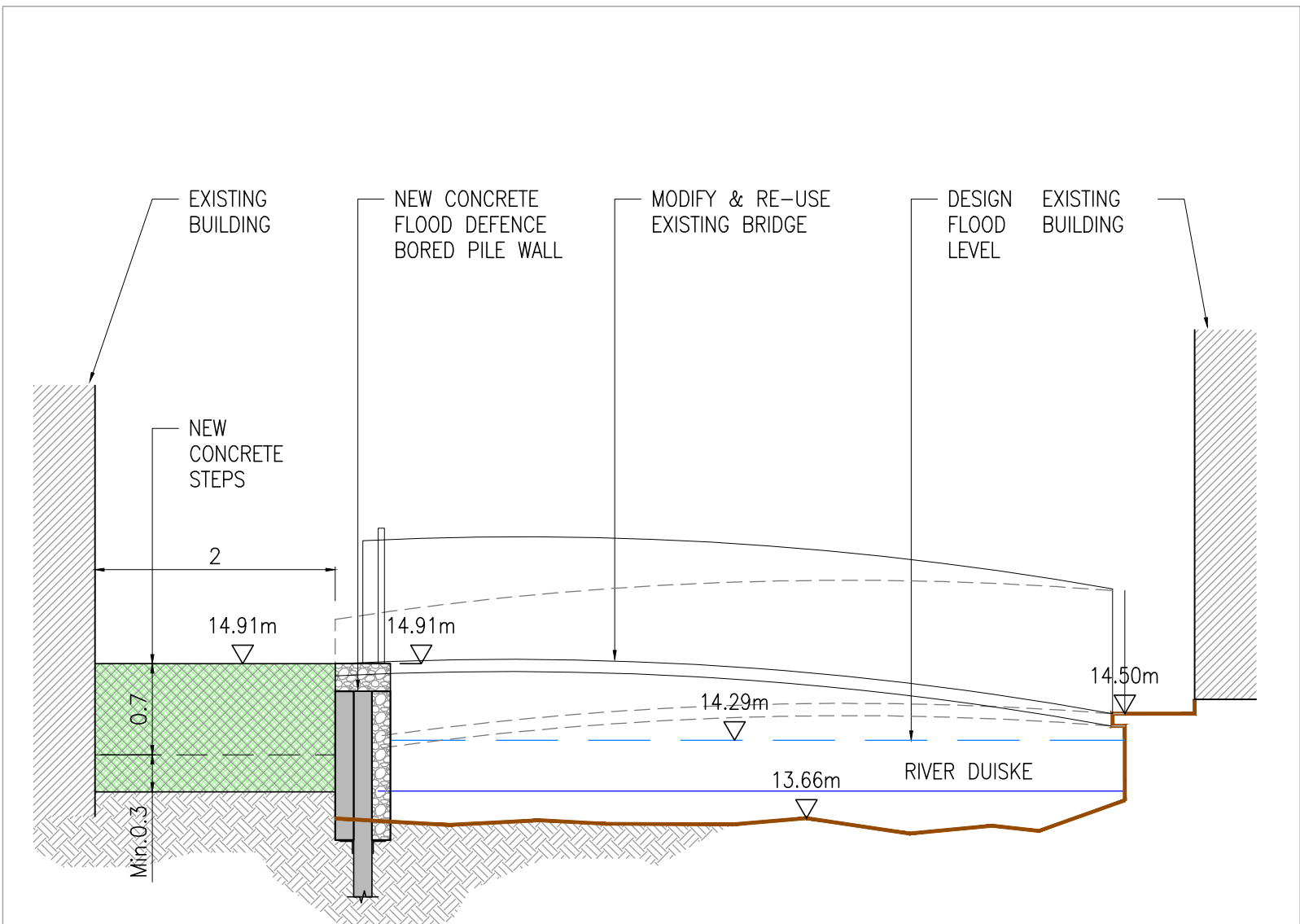
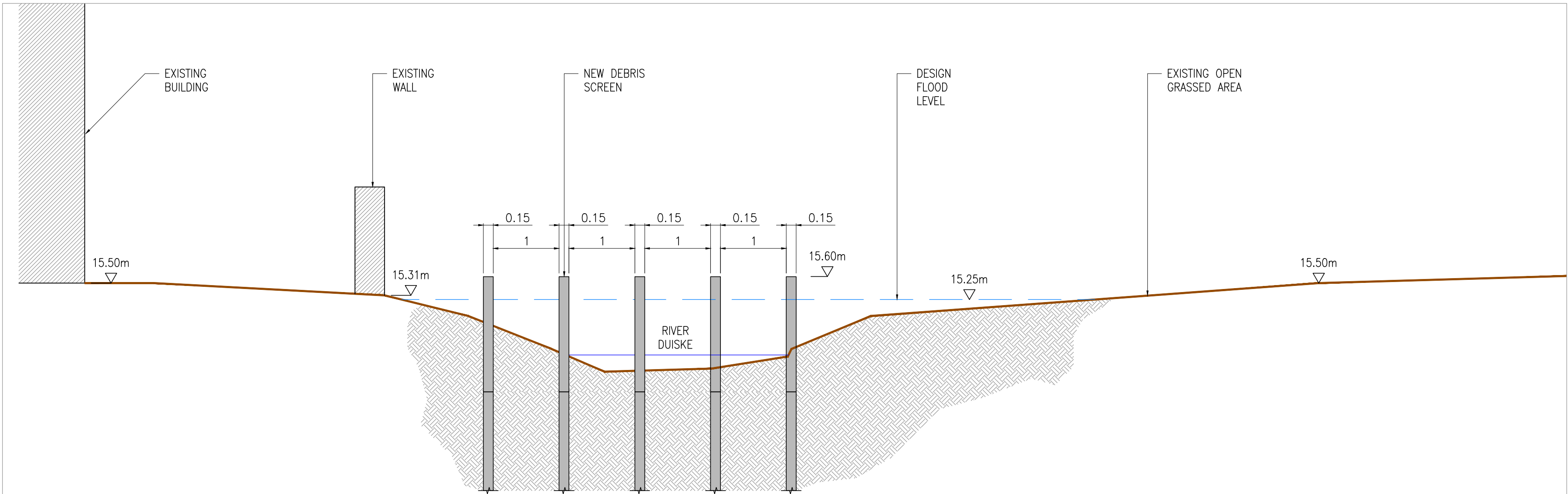
CLIENT
KILKENNY COUNTY COUNCIL

PROJECT
GRAIGUENAMANAGH TINNAHINCH
FLOOD RELIEF SCHEME

DRAWING TITLE
FLOOD RELIEF WORKS
HIGH STREET LOWER
SITE PLAN & LONGITUDINAL SECTIONS

STATUS
FOR PLANNING

Date: 31.07.24	Scale: 1:500	Drawn: LT	Chk: SH	App: SH
Project No: W3451	Dwg. No: W3451-AYE-DWG-W-1419	Rev: 01		



GENERAL NOTES

- NOTES:
1. CYAL50338216 © NATIONAL MAPPING DIVISION OF TAILTE EIREANN.
 2. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
 3. LONG SECTIONS ARE DEVELOPED SECTIONS FROM THE DIRECTION SHOWN.
 4. DESIGN FLOOD LEVEL SHOWN FOR INFO ONLY, AND APPLIES TO WET SIDE ONLY.
 5. FREEBOARD:
HARD DEFENCES: 350mm
SOFT DEFENCES: 550mm
 6. HEIGHT REFERRED TO ARE FROM CENTRELINE OF CREST OF EMBANKMENT/WALL.
 7. FOR FLOOD DEFENCES IDENTIFIER LABELS REFER TO DRAWING W3451-AYE-DWG-W-4025.
 8. FOR CONSERVATION STRATEGY WALL FINISHES REFER TO SKETCHES A & C, DRAWING W3451-AYE-DWG-W-1442.

LEGEND:

DESIGN FLOOD LEVEL	---
UPGRADE EXISTING WALL	---
NEW FLOOD DEFENCE WALL	---
NEW FLOOD DEFENCE RAMP, EMBANKMENT & RAISED GROUND	---
PROPOSED FOOTBRIDGE	---
PROPOSED TRASH SCREEN	---
PROPOSED CONCRETE WALL FINISH/RENDER	---
PROPOSED STONE CLAD CONCRETE WALL FINISH	---
NEW ACCESS OVER FLOOD DEFENCES	---

00	04.11.24	ISSUE FOR PLANNING	LT	SH	SH
00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App

ayesa

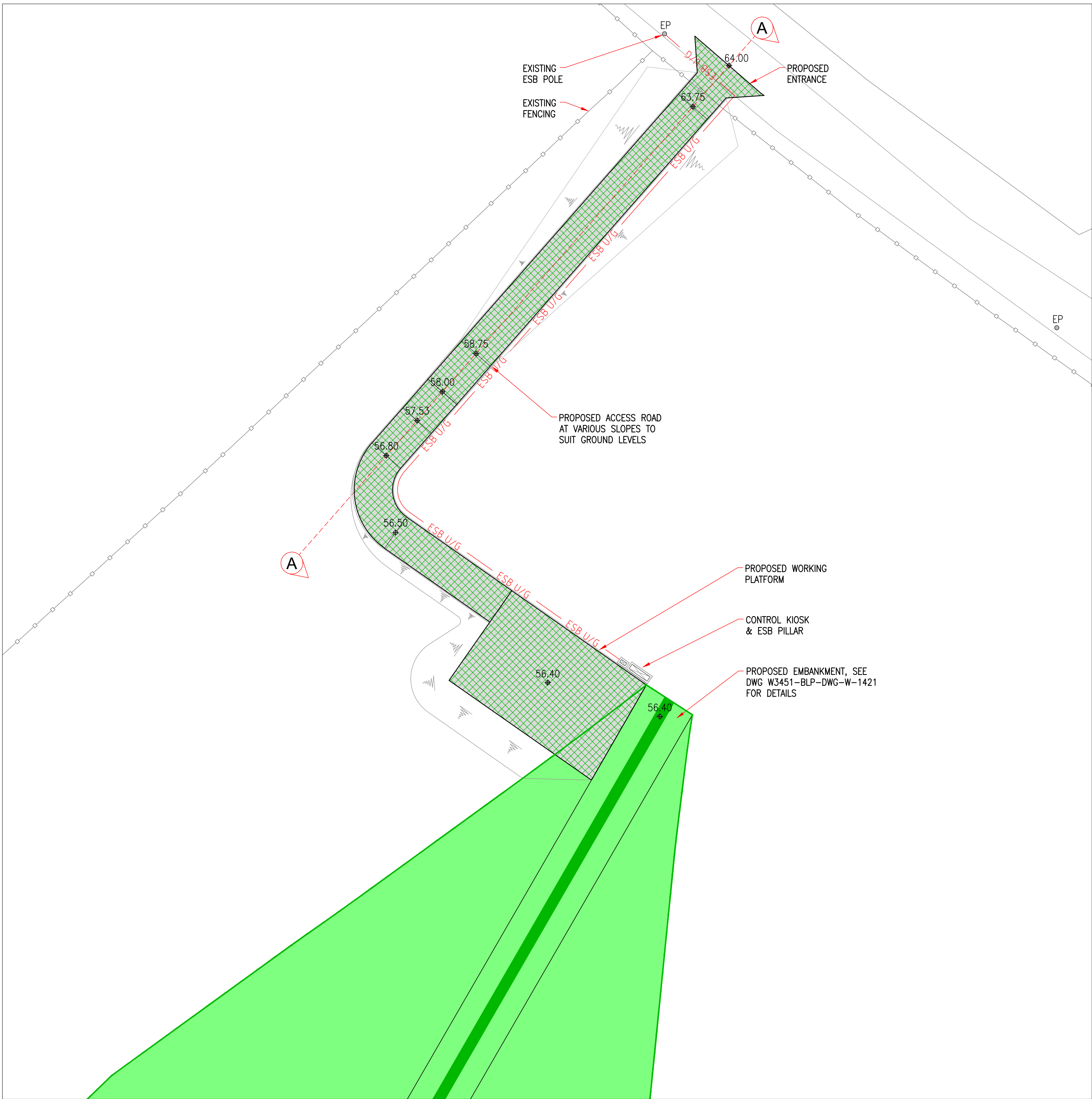
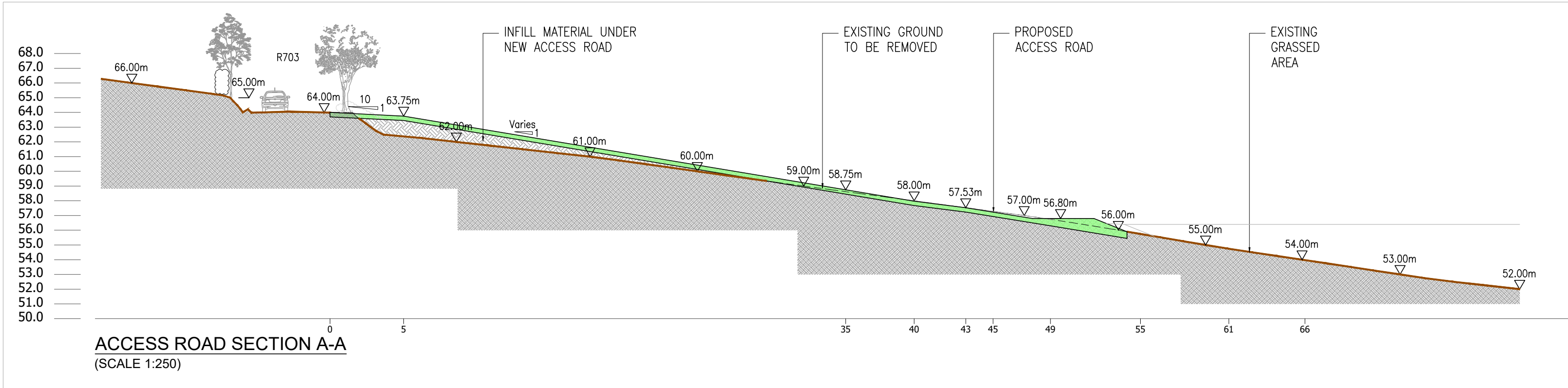
CLIENT
KILKENNY COUNTY COUNCIL

PROJECT
GRAIGUENAMAGH TINNAHINCH
FLOOD RELIEF SCHEME

DRAWING TITLE
FLOOD RELIEF WORKS
HIGH STREET LOWER
SECTIONS

STATUS
FOR PLANNING

Date: 31.07.24	Scale: 1:50	Drawn: LT	Chk: SH	App: SH
Project No: W3451	Dwg. No: W3451-AYE-DWG-W-1420	Rev: 01		



SITE PLAN
SCALE: 1:250

GENERAL NOTES



NOTES:

1. CYAL50338216 © NATIONAL MAPPING DIVISION OF TALTE EIREANN.
2. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
3. LONG SECTIONS ARE DEVELOPED SECTIONS FROM THE LANDWAY/DRY SIDE OF DEFENCES, EXCEPT RIVER SECTIONS.
4. DESIGN FLOOD LEVEL SHOWN FOR INFO ONLY, AND APPLIES TO WET SIDE ONLY.
5. FREEBOARD:
HARD DEFENCES: 350mm
SOFT DEFENCES: 550mm
6. HEIGHT REFERRED TO ARE FROM CENTRELINE OF CREST OF EMBANKMENT/WALL.

LEGEND:

EXISTING GROUND LEVEL	
NEW FLOOD DEFENCE EMBANKMENT	
PROPOSED VEHICLE ACCESS & WORKING PLATFORM	
PROPOSED ESB SUPPLY	

01	21.10.24	ISSUE FOR PLANNING	LT	SH	SH
00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App

ayesa

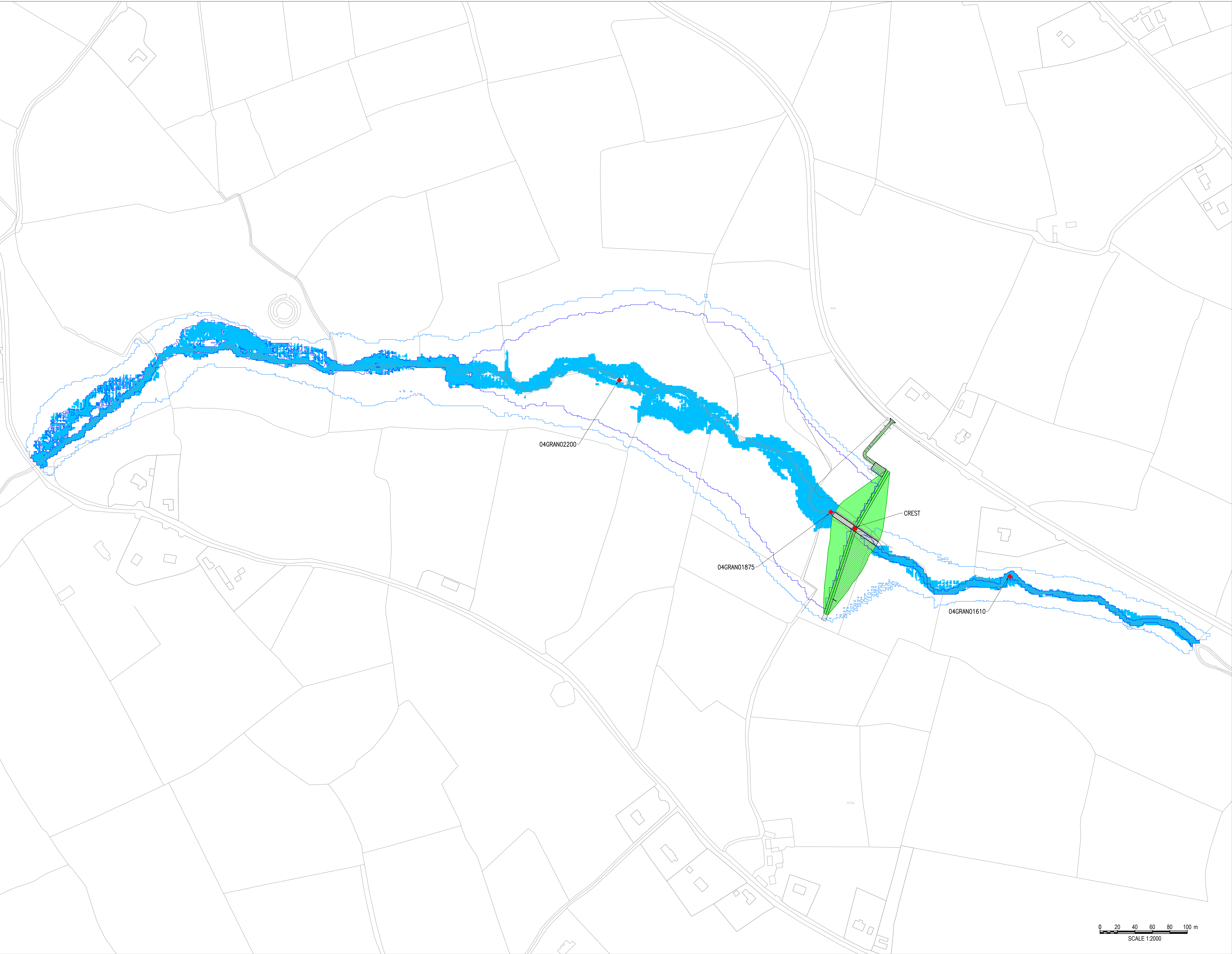
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KILKENNY COUNTY COUNCIL

PROJECT
GRAIGUENAMANAGH TINNAHINCH
FLOOD RELIEF SCHEME

DRAWING TITLE
FLOOD RELIEF WORKS
UPSTREAM STORAGE AREA – DUISKE RIVER
ACCESS ROAD PLAN & DETAILS

STATUS
FOR PLANNING

Date: 31.07.24	Scale: 1:250	Drawn: LT	Chk: SH	App: SH
Project No: W3451	Drg. No: W3451-AYE-DWG-W-1422	Rev: 01		



FLOOD EXTENT MAP
SCALE: 1:2000

GENERAL NOTES



NOTES:

1. CYAL50338216 © NATIONAL MAPPING DIVISION OF TALTE EIREANN.
2. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
3. HEIGHT REFERRED TO ARE FROM CENTRELINE OF CREST OF EMBANKMENT/WALL.
4. PMF = PROBABLE MAXIMUM FLOOD EXTENT.

LEGEND:

- NEW FLOOD DEFENCE EMBANKMENT
- PROPOSED VEHICLE ACCESS & WORKING PLATFORM
- 1% AEP FLOOD EXTENT
- PROBABLE MAXIMUM FLOOD EXTENT
- 1% AEP BASELINE FLOOD EXTENT
- FLOOD LEVEL NODES ID

1% AEP PRESENT DAY		
ID:	FLOW (m³/s)	ELEVATION (mOD)
04GRAN02200	7.06	54.06
04GRAN01875	3.22	54.06
CREST	0.00	54.06
04GRAN01610	3.28	43.94

PMF		
ID:	FLOW (m³/s)	ELEVATION (mOD)
04GRAN02200	94.84	55.65
04GRAN01875	94.74	55.64
CREST	92.19	55.64
04GRAN01610	95.85	45.63

01	21.10.24	ISSUE FOR PLANNING	LT	SH	SH
00	31.07.24	ISSUE FOR PLANNING	LT	SH	SH
Rev	Date	Description	By	Chk	App



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KILKENNY COUNTY COUNCIL

PROJECT
GRAIGUENAMANAGH TINNAHINCH
FLOOD RELIEF SCHEME

DRAWING TITLE
FLOOD RELIEF WORKS
UPSTREAM STORAGE AREA – DUISKE RIVER
FLOOD EXTENT MAP OF STORAGE AREA

STATUS
FOR PLANNING

Date: 31.07.24	Scale: 1:2000	Drawn: LT	Chk: SH	App: SH
Project No: W3451	Dwg. No: W3451-AYE-DWG-W-1423	Rev:		