

Legend:
 Planning Application Boundary

Scale: 1:700	A3
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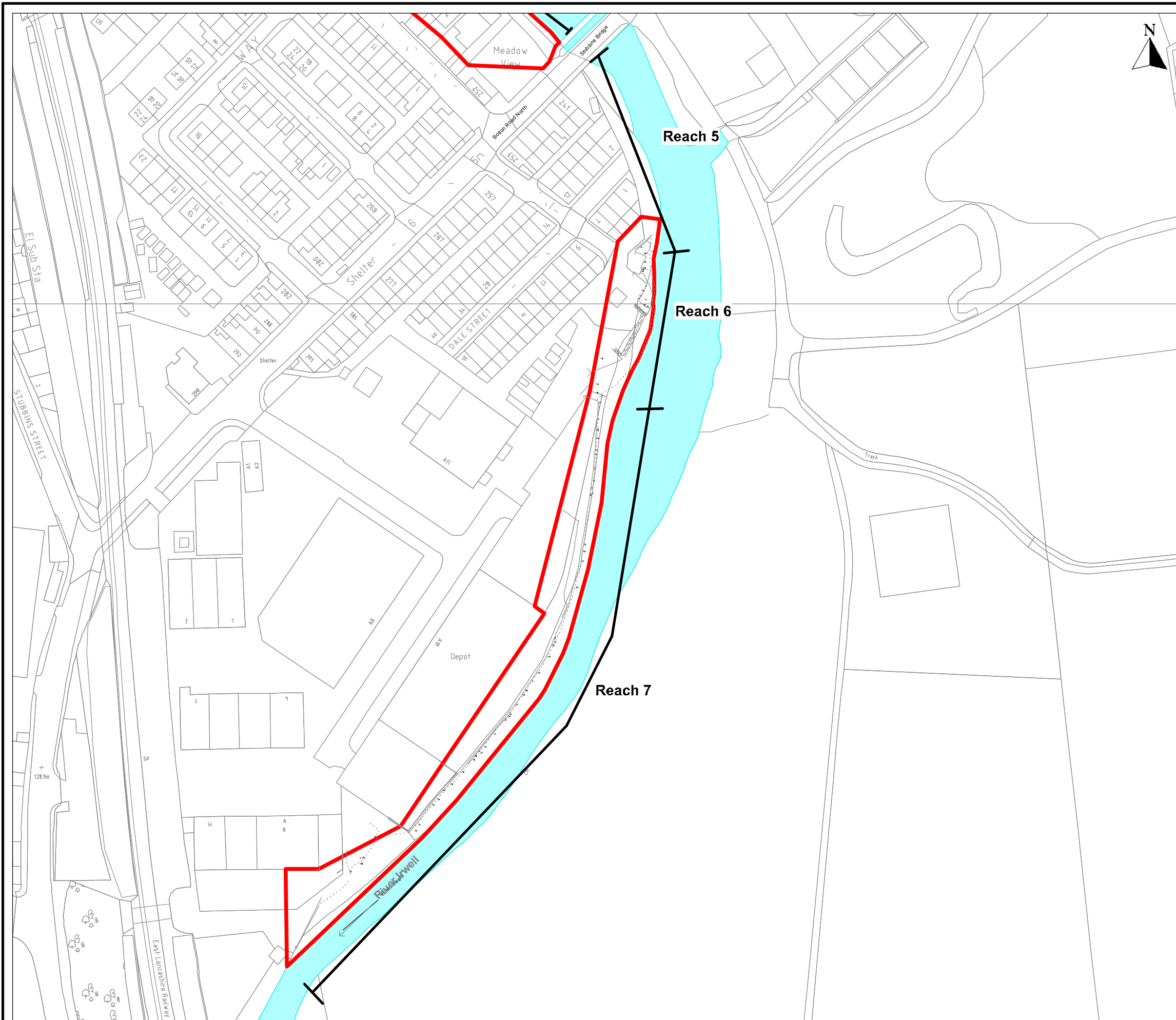
Project Title:
STUBBINS AND RAMSBOTTOM FLOOD RISK MANAGEMENT SCHEME

Figure Title:
Existing Site Plan (Reaches 1-4)

Document Reference: 5120470 Figure Number: 2



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Legend:
 Planning Application Boundary

Scale: **1:1,350**

A3

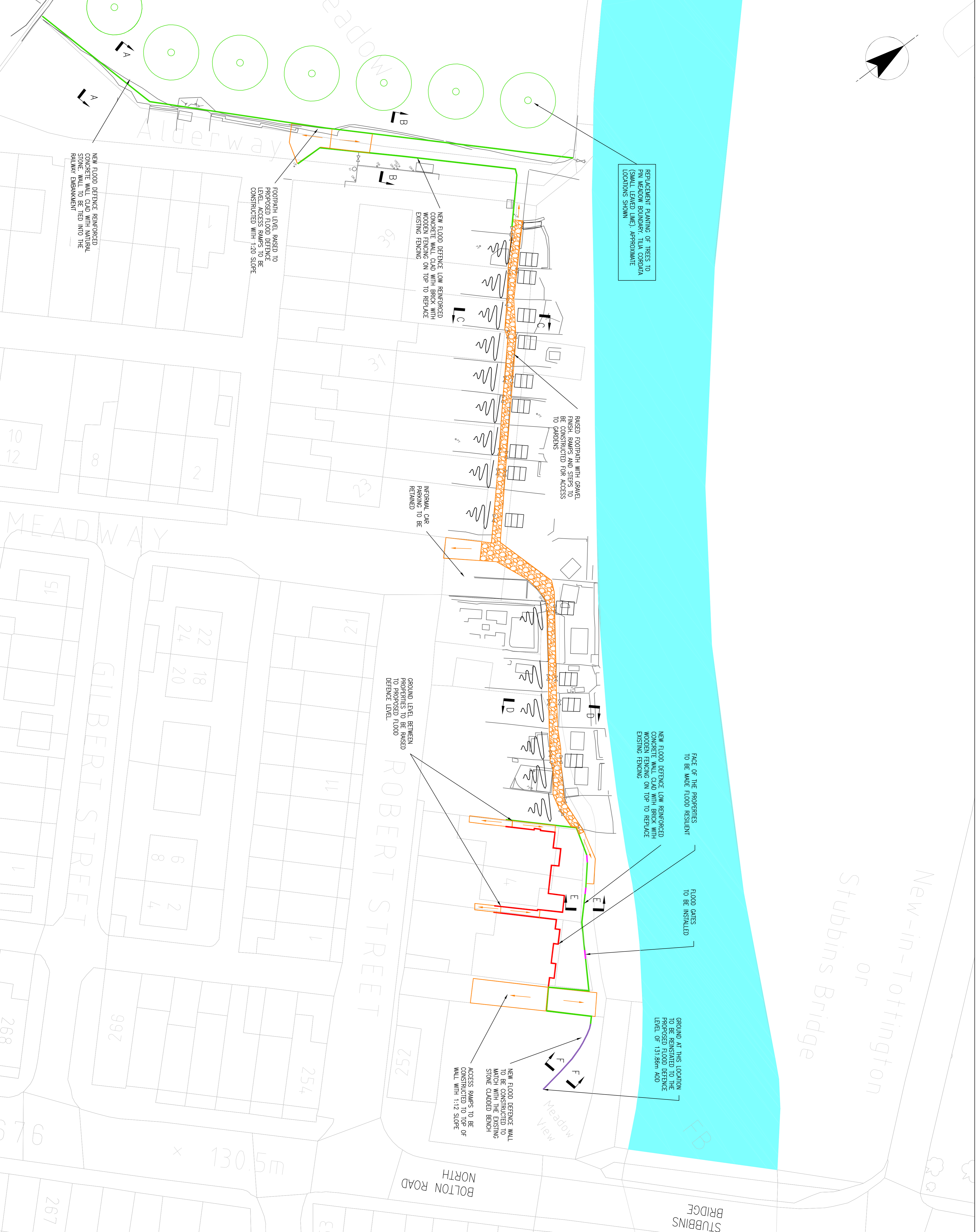
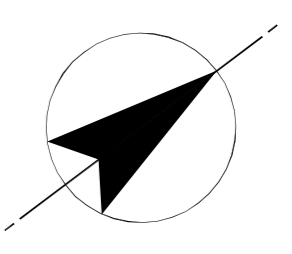
Project Title:
**STUBBINS AND RAMSBOTTOM
 FLOOD RISK MANAGEMENT SCHEME**

Figure Title:
Existing Site Plan (Reaches 5 - 7)

Document Reference: **5120470** Figure Number: **3**



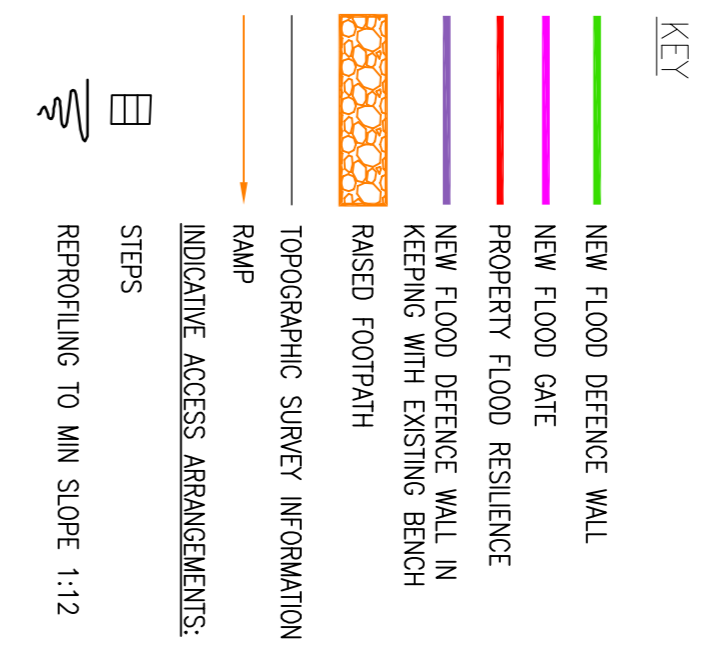
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New-in-Tottington
or
Stubbins Bridge

ATKINS
DO NOT SCALE

- NOTES
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE IN m AOD UNLESS NOTED OTHERWISE.
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL 5099243/ SERIES OF DRAWINGS.



Rev	Modifications	By	Date	Chk'd	Auth

FOR INFORMATION			
Purpose of Issue	Rev	Date	Authorised
	A	15.08.13	

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ENVIRONMENT AGENCY

Project: STUBBINS AND RAMSBOTTOM FLOOD RISK MANAGEMENT SCHEME

Title: PROPOSED SITE PLAN 1 OF 2



Original Size	Scale	Project	Contract	Manufacture
A1	1:250	Rev	KS	
		Date	15/08/13	15/08/13

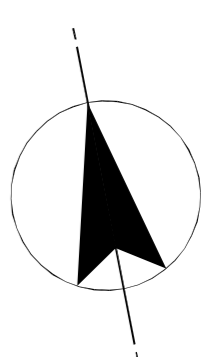
FIGURE 4

NOTES

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KEY

	NEW SHEET PILED DEFENCE WALL
	EXISTING BOUNDARY WALL
	TOPOGRAPHIC SURVEY INFORMATION



<p>ATKINS Globech House Wotton W3 0LE Telephone (01293) 238 000 Fax (01293) 238 500</p>		<p>ENVIRONMENT AGENCY</p>									
<p>PROJECT STUBBINS AND RAMSBOTTOM FLOOD RISK MANAGEMENT SCHEME</p>											
<p>TITLE PROPOSED SITE PLAN 2 OF 2</p>											
<p>FOR INFORMATION</p> <table border="1"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>Author</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>15.08.13</td> <td>ILW</td> </tr> </tbody> </table>		Rev	Date	Author	A	15.08.13	ILW	<p>DATE 15.08.13</p>			
Rev	Date	Author									
A	15.08.13	ILW									
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<p>DESIGNER KS</p>		<p>DATE 15.08.13</p>									
<p>DRAWN KS</p>		<p>DATE 15.08.13</p>									



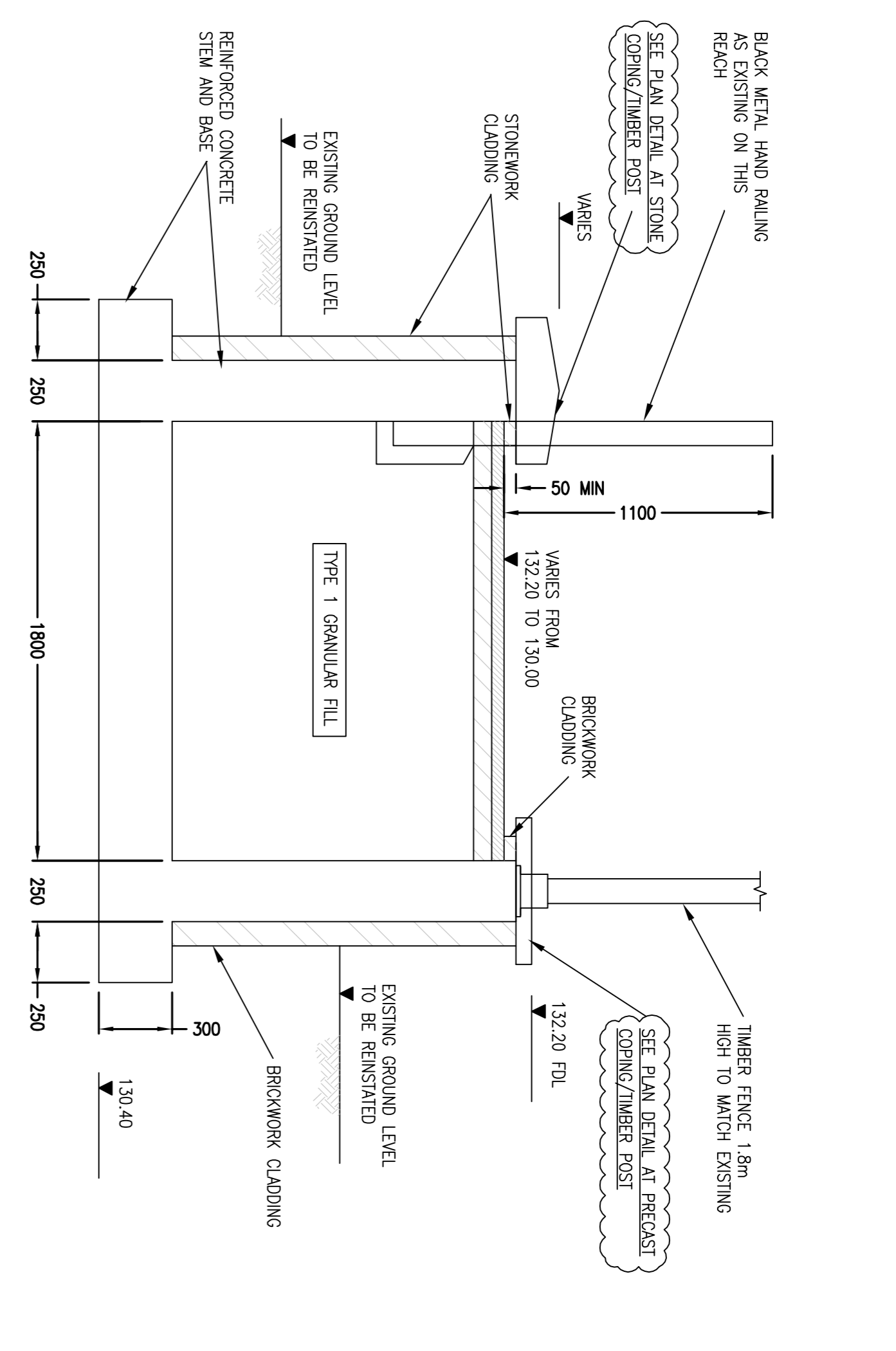
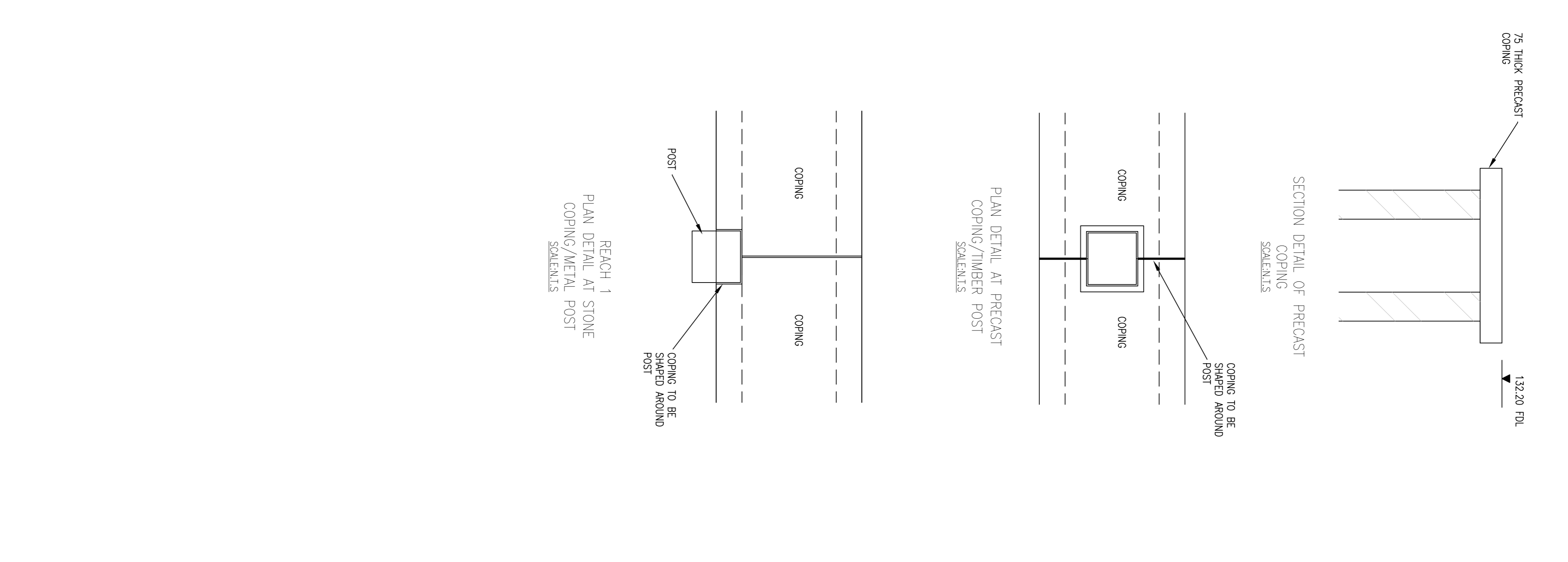
FIGURE 5
A

- NOTES
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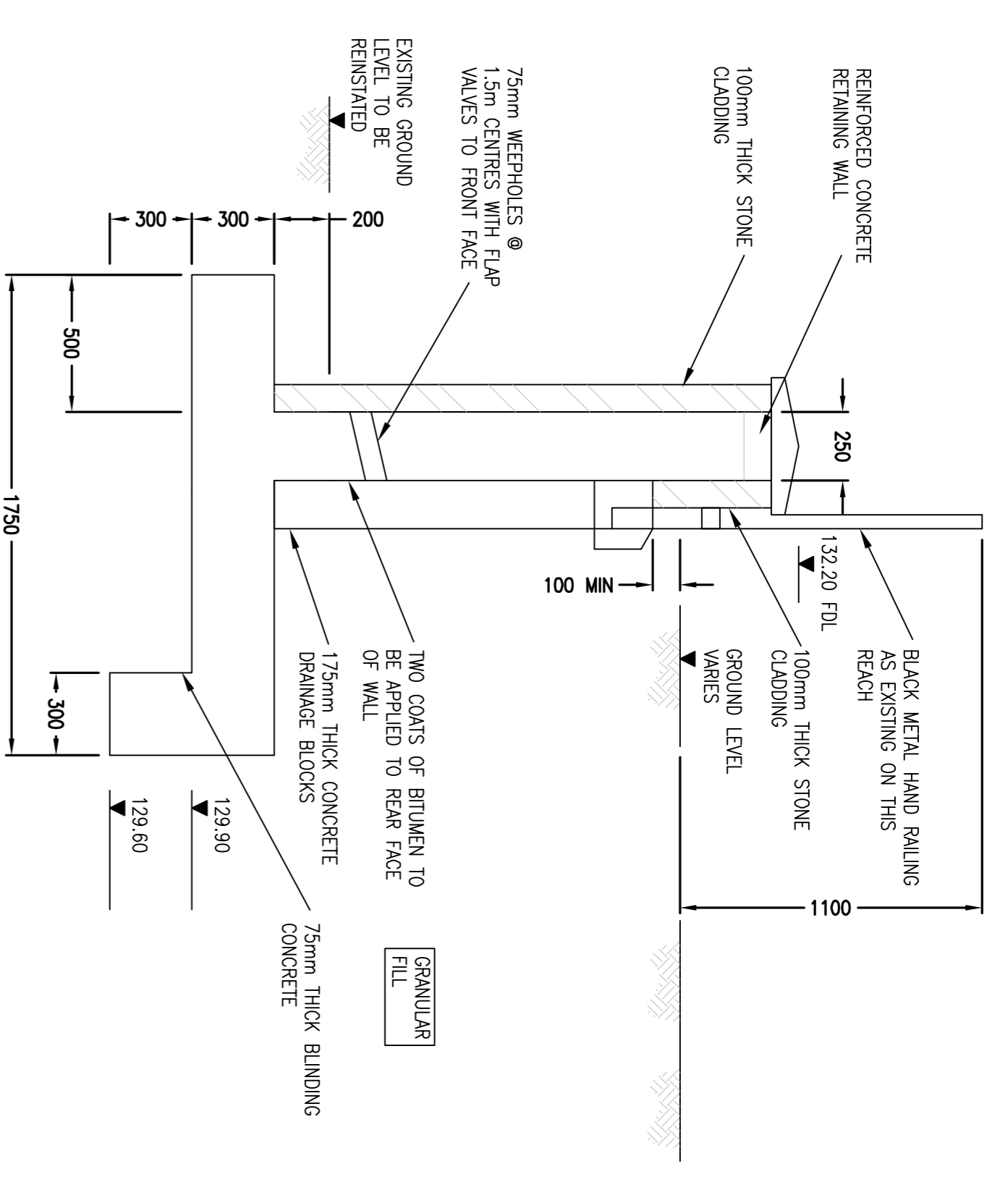
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THIS IS A CAD DRAWING - HAND AMENDMENTS SHOULD BE CARRIED OUT IN ACCORDANCE WITH Q.A. PROCEDURES

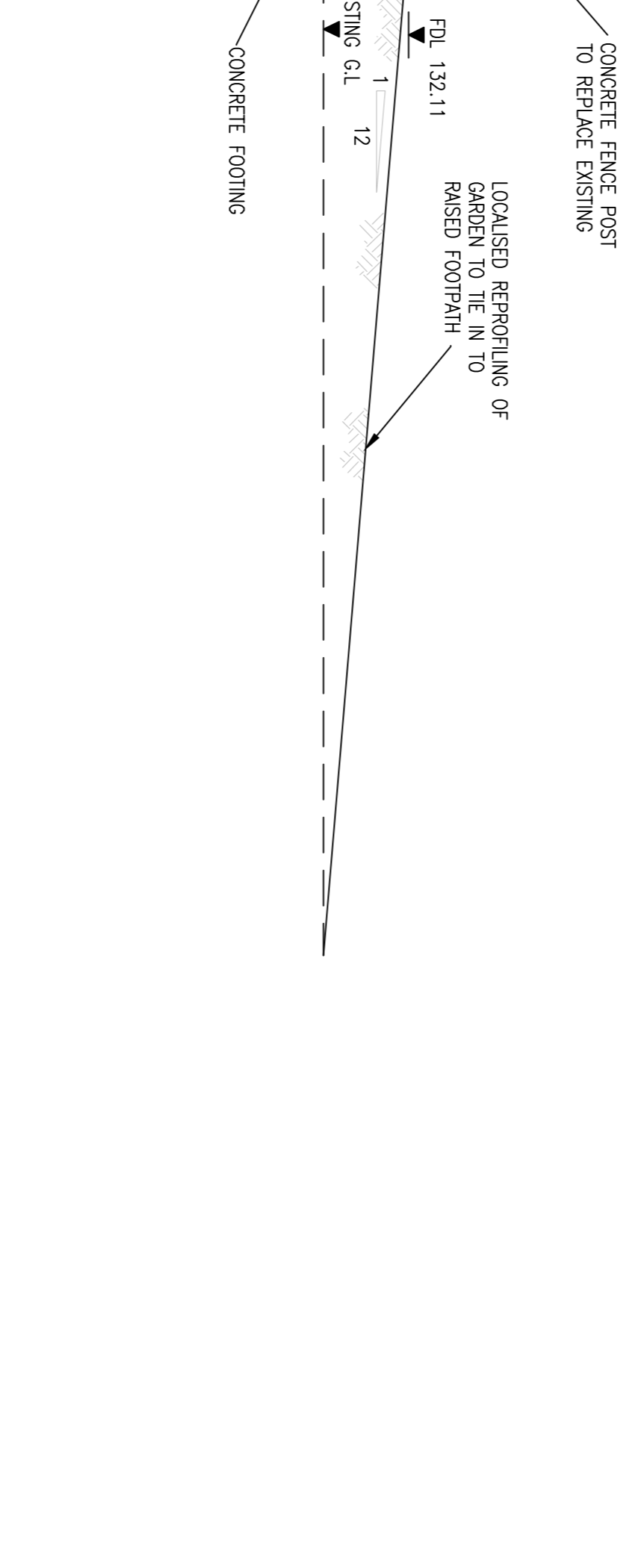
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<p>Project: STUBBINS AND RAMSBOTTOM FLOOD RISK MANAGEMENT SCHEME</p>									
<p>Client: ATKINS Globech House Warrenson Way Walsley Telephone: (01925) 238 000 Fax: (01925) 238 500</p>									
<p>Contract: ENVIRONMENT AGENCY</p>									
<p>Proposed Cross Sections 1 OF 2</p>									
<p>Figure 6</p>									



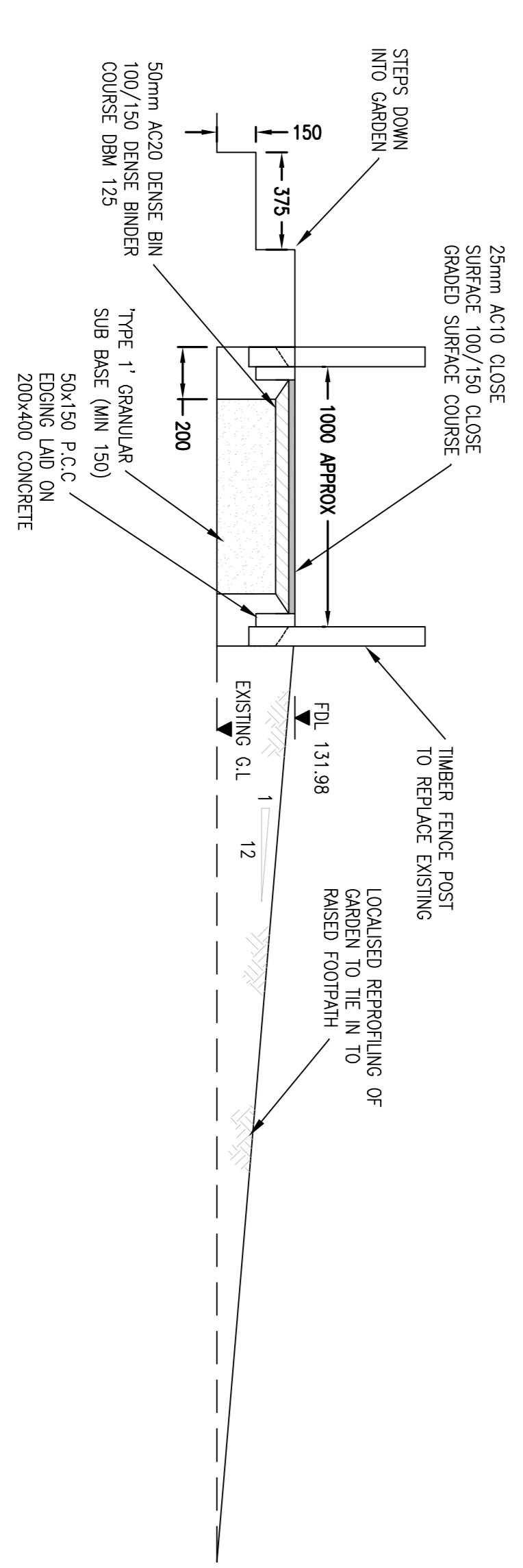
REACH 1
SECTION B-B
SCALE:1:20



REACH 1
SECTION A-A
SCALE:1:20



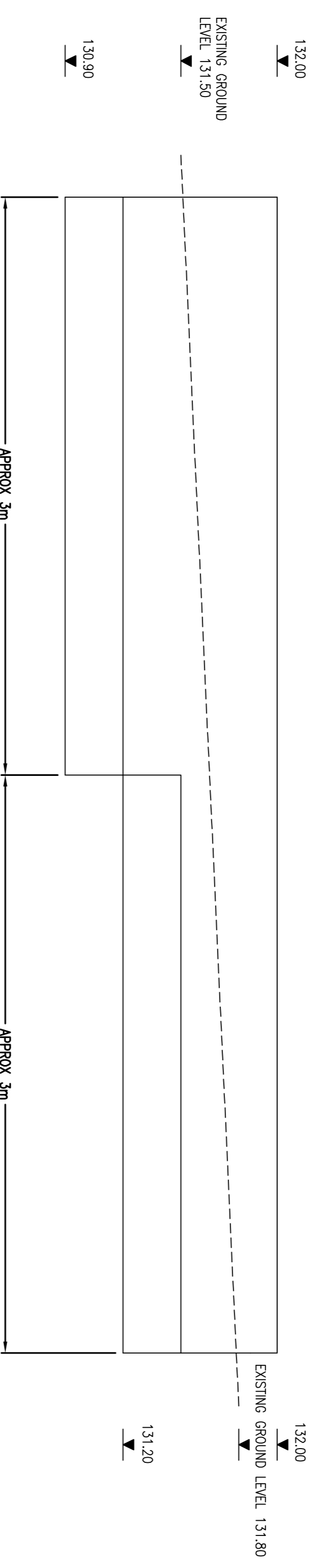
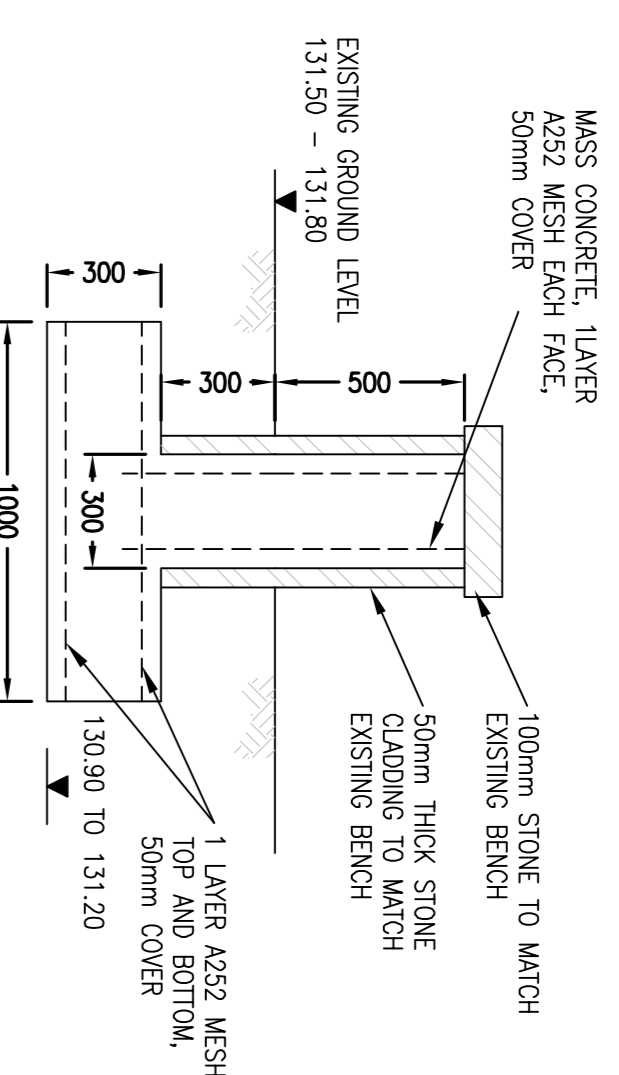
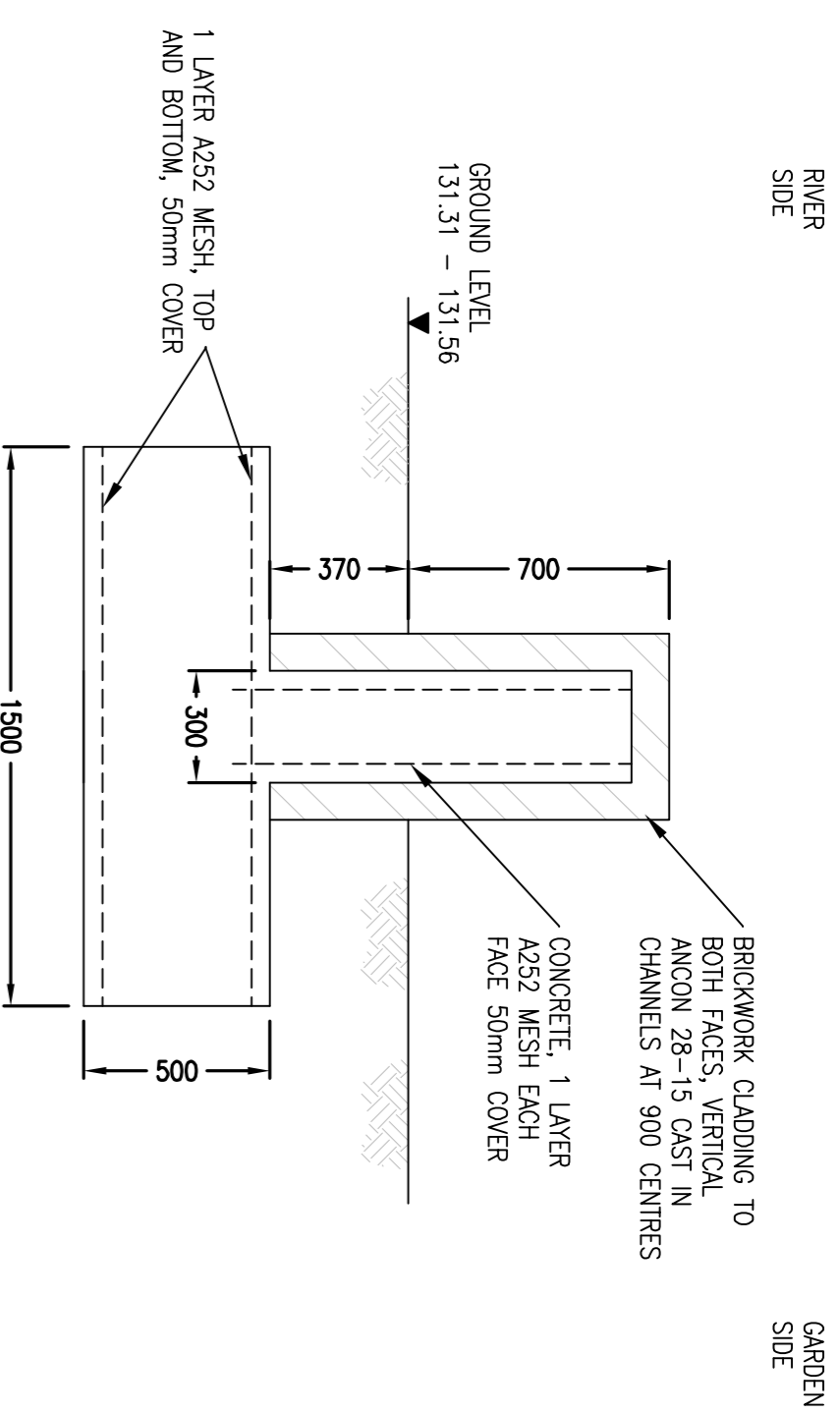
REACH 2
SECTION C-C
SCALE:1:20



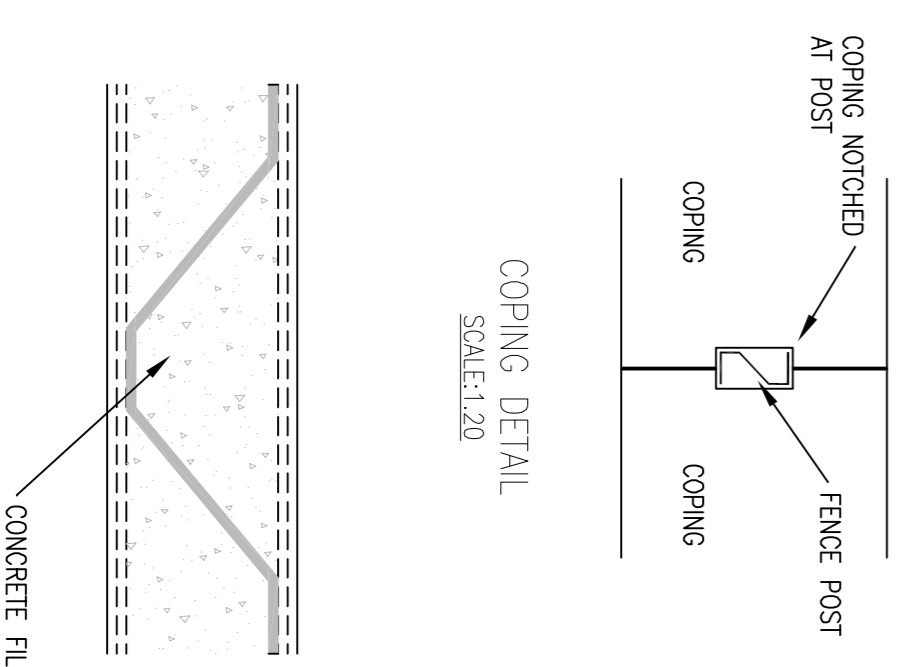
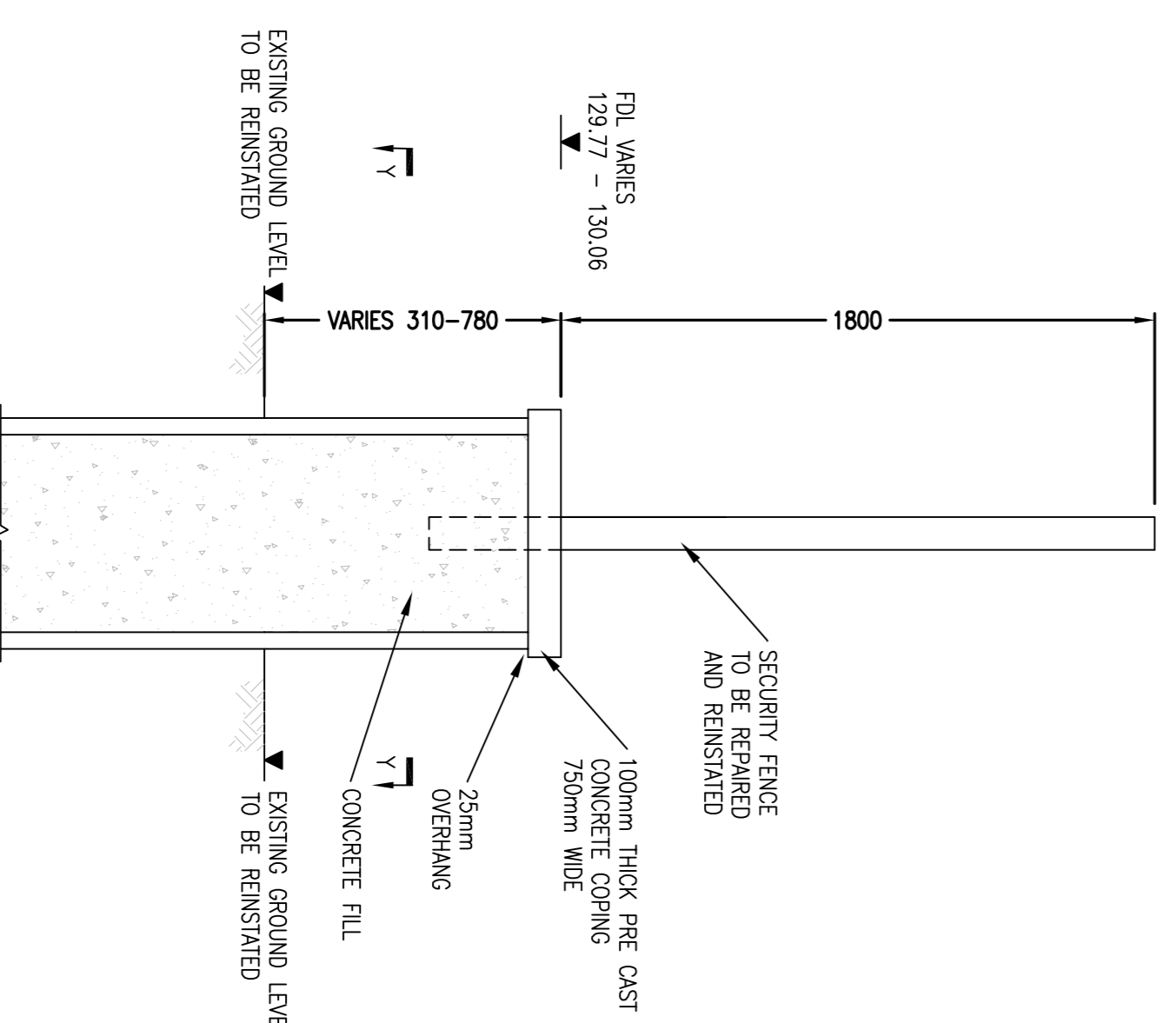
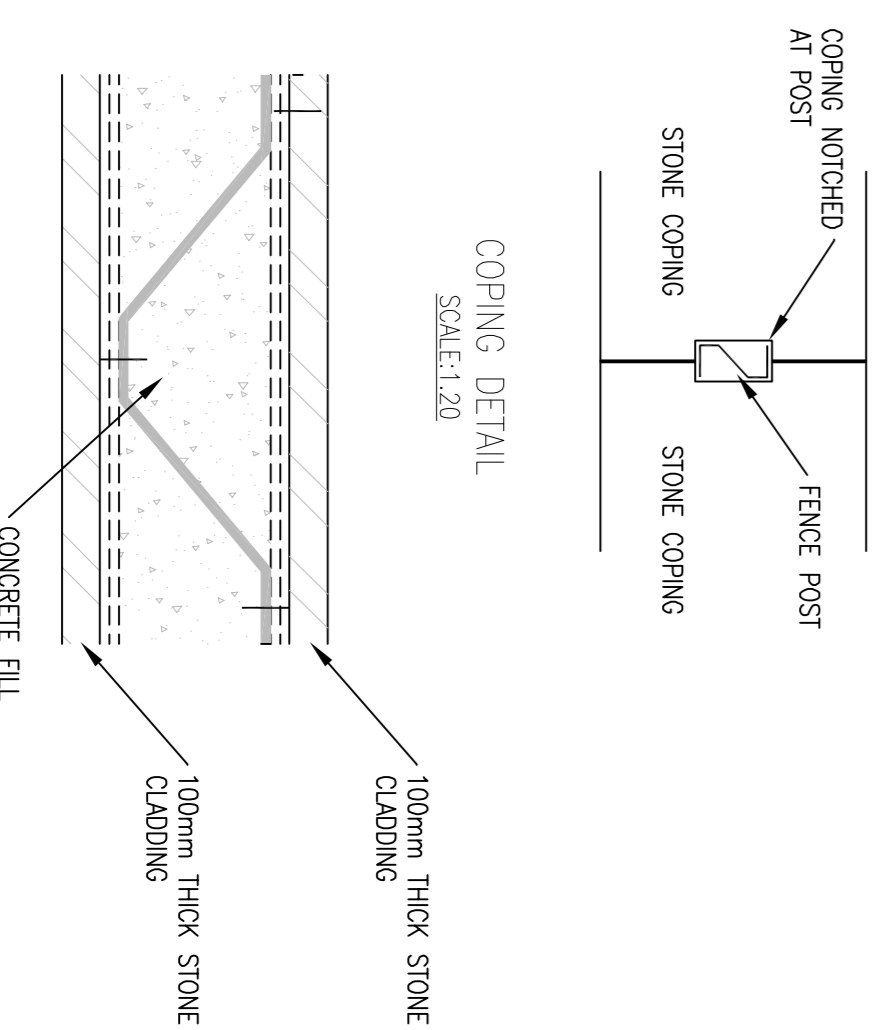
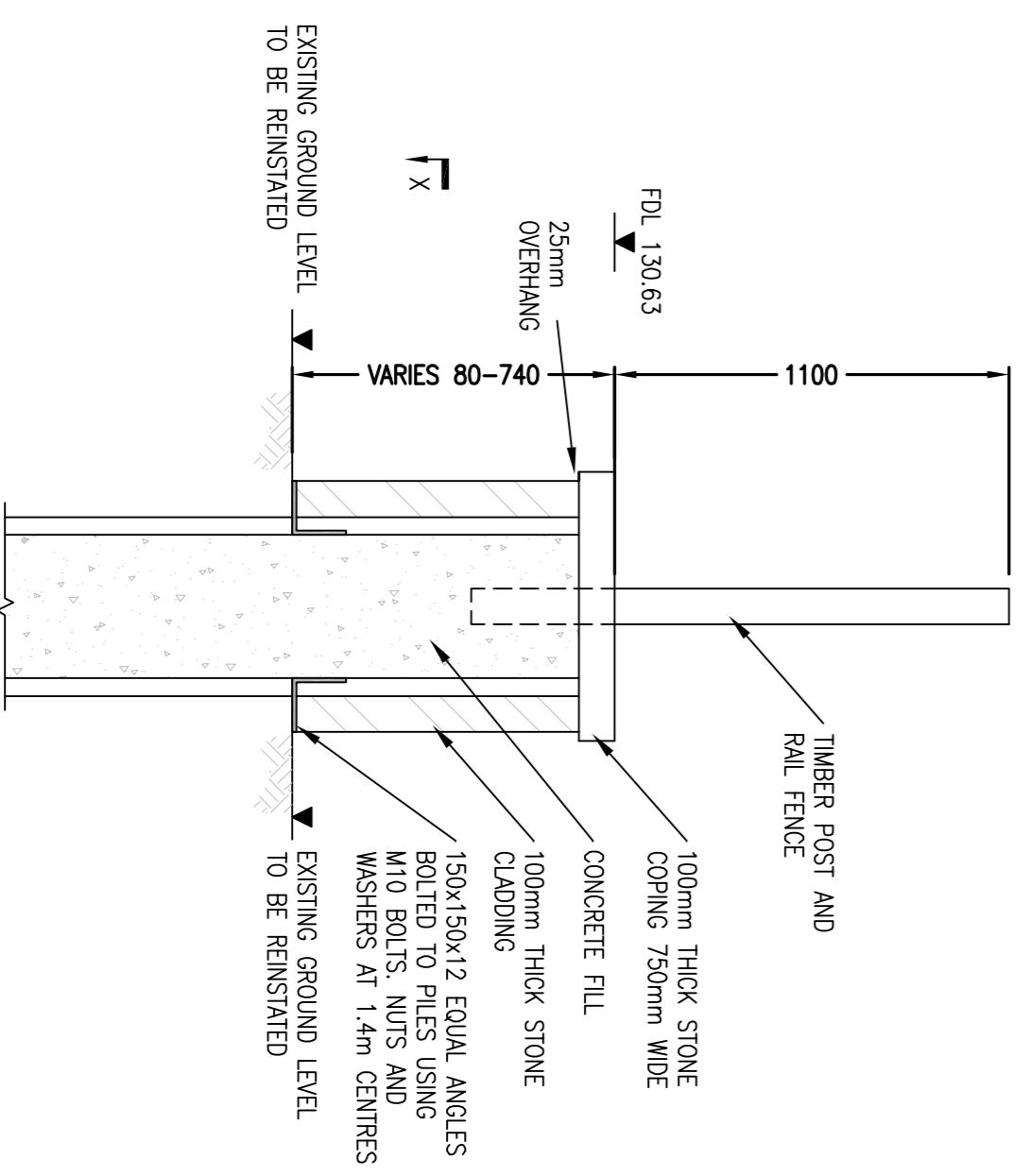
REACH 2
SECTION D-D
SCALE:1:20

NOTES

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REACH 4
RIVER SIDE ELEVATION ON
MEMORIAL GARDEN WALL
(STUBBINS BRIDGE)
SCALE:1:20



REACH 6
SECTION H-H
SCALE:1:20

REACH 6
SECTION X-X
SCALE:1:20

REACH 7
SECTION I-I
SCALE:1:20

REACH 7
SECTION Y-Y
SCALE:1:20

PROPOSED DETAILS
2 OF 2

Project
STUBBINS AND RAMSBOTTOM
FLOOD RISK MANAGEMENT
SCHEME



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Rev	Date	Author
A	14.08.13	JB

FOR INFORMATION		
Rev	Date	Author

FOR INFORMATION		
Rev	Date	Author

Original Size	Scale	Project	Contract	Reference
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		13/08/13	13/08/13	13/08/13

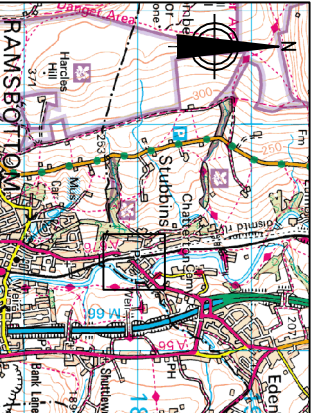
FIGURE 7

- ### Landscape Proposals
- Line of 7 small leaved lime (Tilia cordata) to maintain and enhance vegetated boundary of the Conservation Area.
 - Reseeding of meadow where disturbed.
 - Stone faced wall will replicate the character of the existing walls within the Conservation Area.
 - Resurfaced local crushed stone path (FP114) adjacent to proposals.
 - Replacement residential garden fence and wall to No 41, Robert Street.
 - Resurfaced local crushed stone path (FP113).
 - Access to residential back gardens will be maintained via a combination of informal ramps to house gardens and steps to riverside gardens.
 - Resurfaced local crushed stone path (FP113).
 - Access to residential back gardens will be maintained via a combination of informal ramps to house gardens and steps to riverside gardens.
 - Surfacing of path will allow natural plant colonisation as existing.
 - Access to residential back gardens will be maintained via a combination of informal ramps to house gardens and steps to riverside gardens.
 - Stone wall will match existing stone benches within Memorial Gardens. Stone wall will also form additional seating.
 - No works within this area.
 - Stone faced wall will replicate the character of the existing wall lying into the properties on Dale Street.
 - Reseeding of banks where disturbed.
 - Gap planting with willow rods of local provenance.

- ### Tree planting to Pin Meadow:
- 7 x Tilia cordata (small leaved lime)
 - Mature height 12m+
 - Mature spread 8m+
 - Time to maturity 20-50 yrs
 - Native to UK
 - Ideal as free standing / avenue / single line trees
 - 10.5m spacing
 - 7.5m offset from wall / boundary
- ### Tilia Cordata Tree Planting
- 

- ### Existing Key:
- Planning Application boundary
 - Borough Boundary
 - Chatterton & Strongstry Conservation Area
 - Public Right of Way (FP104, 113 & 114)
 - Iwell Sculpture Trail
 - Existing significant tree cover
- ### Proposed Key:
- FRMS Alignment

Location Plan

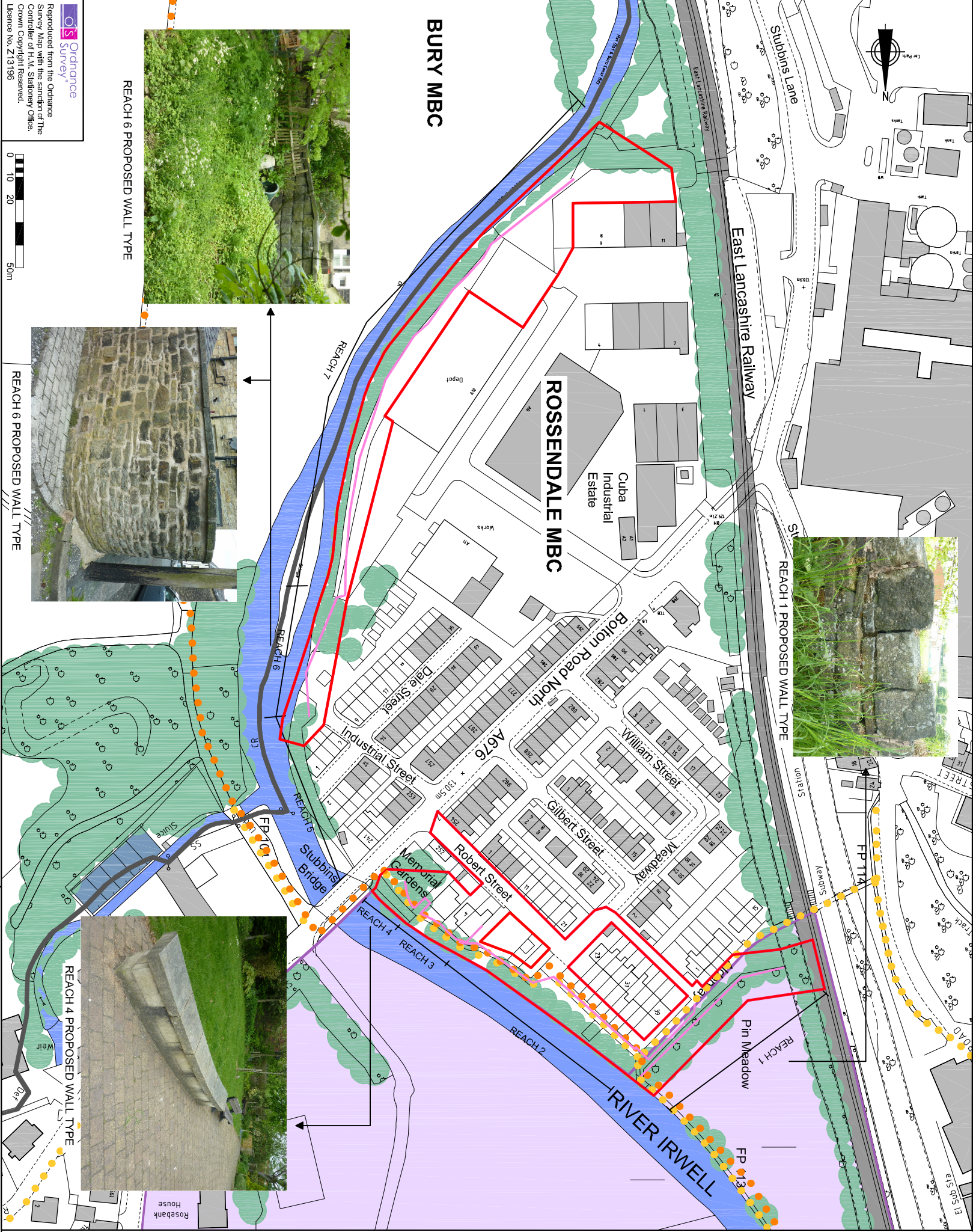


Background

The Environment Agency has undertaken a study on flood risk in Stubbins and Ramsbottom and is proposing a Flood Risk Management Scheme to provide a 1 in 75 year standard of protection.

The main elements of the Scheme are:

- Raised defences - These will predominantly take the form of walls around the perimeter of Stubbins. Some sections of the flood defence will be set back from the river, such as the raised public footpath adjacent to Robert Street.



- Reach 1:** 82m length of wall. Approx. 0.7m above footpath and 1.8m above Pin Meadow. 40m length of wall at base of fence (existing property fence to be reinstated on top of wall). Approx: 1.2m above footpath.
- Reach 2:** 96m length - footpath level to be raised by approx. 0.4m with ramps or steps providing access into adjacent gardens.
- Reach 3:** 50m length of wall with flood gates to replace existing garden gates. Varies in height up to approx. 0.6m above footpath. Additional flood proofing to three properties.
- Reach 4:** 13m length of wall matching with the existing bench. 0.5m above footpath.
- Reach 5:** Not required
- Reach 6:** 55m length of wall. Varies in height up to approx. 0.7m above ground level.
- Reach 7:** 220m length of wall. Varies in height up to approx. 0.7m above ground level.

Sheet Size	Original Scale	Designed/Drawn	Checked	Authorised
A3	1:2000	BJS	KC	SF
Status	Drawing Number	Date	Date	Date
P	FIGURE-14	21.08.13	21.08.13	21.08.13

Client: **ENVIRONMENT AGENCY**

Project: **STUBBINS & RAMSBOTTOM FLOOD RISK MANAGEMENT SCHEME**

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