



Creation of inset floodplain to accommodate higher flows and dissipate flow energy to reduce risk of bank erosion.

Leaky log jams to promote more sediment deposition and greater inset floodplain connectivity.

Connect ditch with new realigned channel. Confluence should be graded into the topography of the new channel to ensure a smooth transition and to avoid any abrupt breaks in slope.

New realigned two-stage channel with inset floodplain, providing a more sinuous geometry and habitat diversity.

Vegetated margin (~10m) along the banks of the inset floodplain to provide additional nutrient retention and habitat diversity.

Connect ditch with new realigned channel. Confluence should be graded into the topography of the new channel to ensure a smooth transition and to avoid any abrupt breaks in slope.

**SAFETY HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risk normally associated with the types of work detailed on this drawing, note the following risks and information.

\* Please note that risks listed here are not exhaustive.

**CONSTRUCTION**

- \* Working in close proximity to deep water environments.
- \* Disturbing or striking existing utilities and services.
- \* Saturated ground conditions.
- \* Protected species.

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

**LEGEND**

- █ Existing channel
- Existing tributaries and ditches
- Proposed Design**
- █ New realigned channel
- █ Two-stage channel/ Inset floodplain
- █ Regraded floodplain banks
- █ Buffer strip
- █ Infilled existing channel
- Wood Structure

Project Number 2150779

Project Title  
**Stodmarsh Stream Enhancement Scheme**

Drawing Title  
**BLIBY 2 DESIGN PLAN**

Scale @ A3 1:1,200  
0 15 30 Meters  
OSGB36 / British National Grid

| Drawn    | Date        | Version  |
|----------|-------------|----------|
| Jl       | 03/12/20225 | Rev1 v2  |
| Designed | Checked     | Approved |
| LC       | LC          | LC       |



Drawing Number  
**1**



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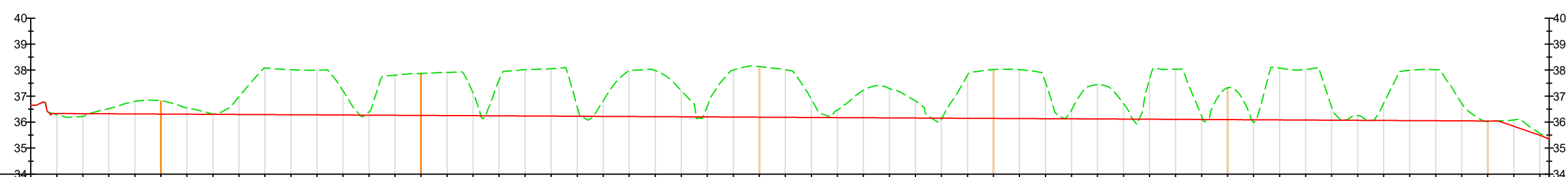
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- Existing tributaries and ditches
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Project Number: 2150779

ALIGNMENT - CHANNEL - LONGSECTION  
SCALE: H 1:200, V 1:40. DATUM: 34.000  
x5 vertical exaggeration



| Chainage | Existing Levels | Proposed Levels | Level Difference |
|----------|-----------------|-----------------|------------------|
| 00.000   | 36.647          | 36.647          | 0.000            |
| 05.000   | 36.286          | 36.330          | 0.044            |
| 10.000   | 36.216          | 36.325          | 0.109            |
| 15.000   | 36.523          | 36.320          | -0.203           |
| 20.000   | 36.796          | 36.315          | -0.481           |
| 25.000   | 36.845          | 36.310          | -0.505           |
| 30.000   | 36.548          | 36.304          | -0.244           |
| 35.000   | 36.301          | 36.299          | -0.001           |
| 40.000   | 36.975          | 36.294          | -0.681           |
| 45.000   | 38.081          | 36.289          | -1.792           |
| 50.000   | 36.045          | 36.284          | -1.731           |
| 55.000   | 37.998          | 36.279          | -1.719           |
| 60.000   | 37.208          | 36.273          | -0.935           |
| 65.000   | 36.398          | 36.268          | -0.130           |
| 70.000   | 37.806          | 36.262          | -1.543           |
| 75.000   | 37.973          | 36.258          | -1.616           |
| 80.000   | 37.915          | 36.252          | -1.663           |
| 85.000   | 37.129          | 36.247          | -0.882           |
| 90.000   | 37.628          | 36.242          | -1.386           |
| 95.000   | 38.018          | 36.237          | -1.781           |
| 100.000  | 36.054          | 36.231          | -1.823           |
| 105.000  | 36.593          | 36.226          | -0.368           |
| 110.000  | 36.826          | 36.221          | -0.606           |
| 115.000  | 37.978          | 36.216          | -1.762           |
| 120.000  | 37.985          | 36.210          | -1.775           |
| 125.000  | 37.245          | 36.205          | -1.040           |
| 130.000  | 36.609          | 36.200          | -0.410           |
| 135.000  | 38.004          | 36.195          | -1.809           |
| 140.000  | 38.136          | 36.190          | -1.946           |
| 145.000  | 38.017          | 36.184          | -1.833           |
| 150.000  | 36.884          | 36.179          | -0.705           |
| 155.000  | 36.451          | 36.174          | -0.278           |
| 160.000  | 37.220          | 36.169          | -1.051           |
| 165.000  | 37.296          | 36.163          | -1.133           |
| 170.000  | 36.818          | 36.158          | -0.660           |
| 175.000  | 36.148          | 36.153          | 0.005            |
| 180.000  | 37.800          | 36.147          | -1.652           |
| 185.000  | 38.021          | 36.143          | -1.878           |
| 190.000  | 38.019          | 36.137          | -1.881           |
| 195.000  | 37.533          | 36.132          | -1.401           |
| 200.000  | 36.465          | 36.127          | -0.338           |
| 205.000  | 37.445          | 36.121          | -1.324           |
| 210.000  | 36.713          | 36.116          | -0.597           |
| 215.000  | 37.663          | 36.111          | -1.552           |
| 220.000  | 38.038          | 36.106          | -1.932           |
| 225.000  | 36.236          | 36.100          | -0.136           |
| 230.000  | 37.316          | 36.096          | -1.220           |
| 235.000  | 35.993          | 36.090          | 0.097            |
| 240.000  | 38.080          | 36.085          | -1.995           |
| 245.000  | 38.025          | 36.080          | -1.945           |
| 250.000  | 36.572          | 36.074          | -0.497           |
| 255.000  | 36.255          | 36.069          | -0.186           |
| 260.000  | 36.725          | 36.064          | -0.662           |
| 265.000  | 37.994          | 36.059          | -1.936           |
| 270.000  | 38.018          | 36.054          | -1.964           |
| 275.000  | 36.748          | 36.048          | -0.669           |
| 280.000  | 36.027          | 36.043          | 0.016            |
| 285.000  | 36.084          | 35.839          | -0.245           |
| 290.000  | 35.572          | 35.494          | -0.077           |
| 292.000  | 35.363          | 35.481          | 0.118            |

Project Title: Stodmarsh Stream Enhancement Scheme

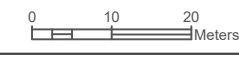
Drawing Title: BIBLY 2 LONG PROFILE

Scale @ A3: 1:800

| Drawn    | Date        | Version  |
|----------|-------------|----------|
| Jl       | 03/12/20225 | Rev1 v2  |
| Designed | Checked     | Approved |
| LC       | LC          | LC       |



Drawing Number: 2



**SAFETY HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risk normally associated with the types of work detailed on this drawing, note the following risks and information.

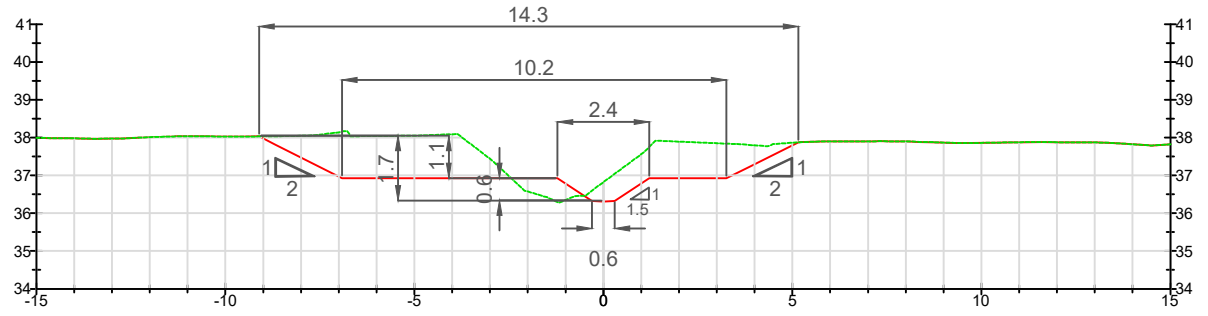
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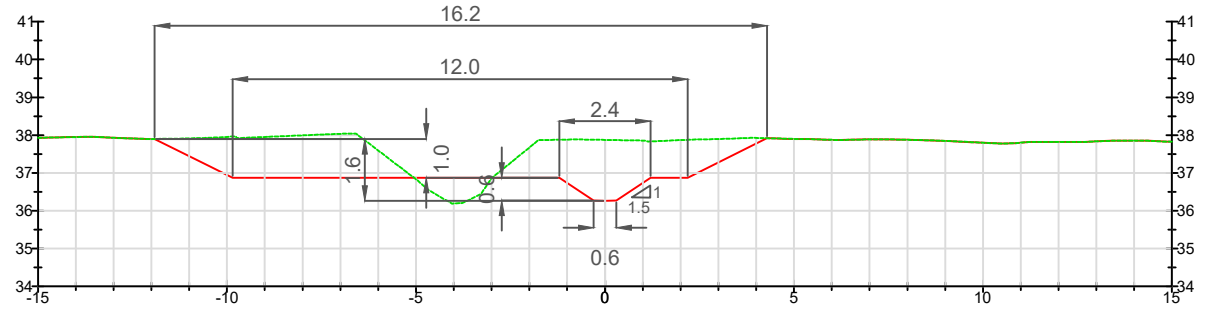
**LEGEND**

- Existing levels
- Proposed levels

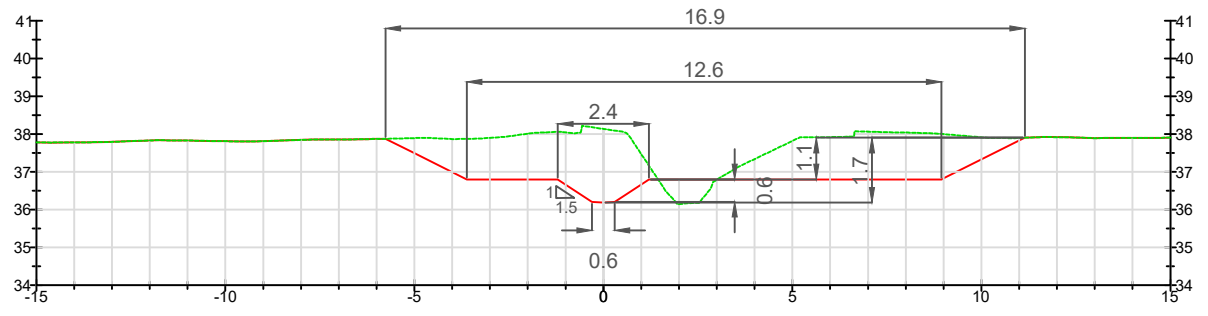
Chainage 25.000  
Natural scale - Looking downstream



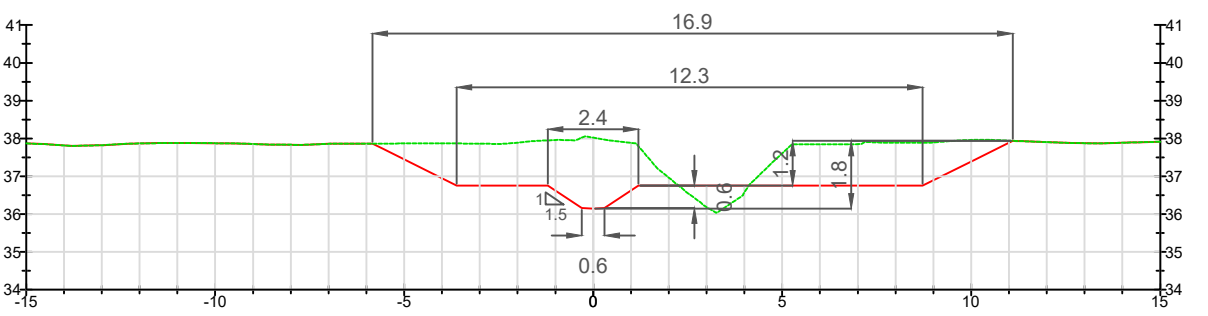
Chainage 75.000  
Natural scale - Looking downstream



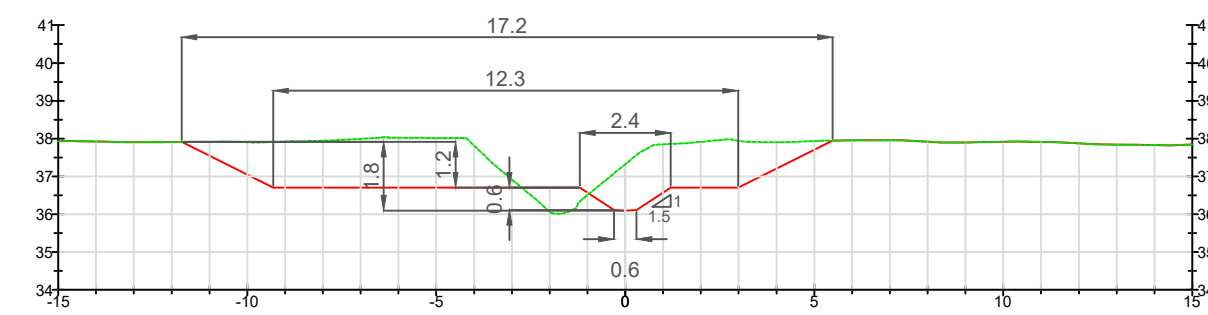
Chainage 140.000  
Natural scale - Looking downstream



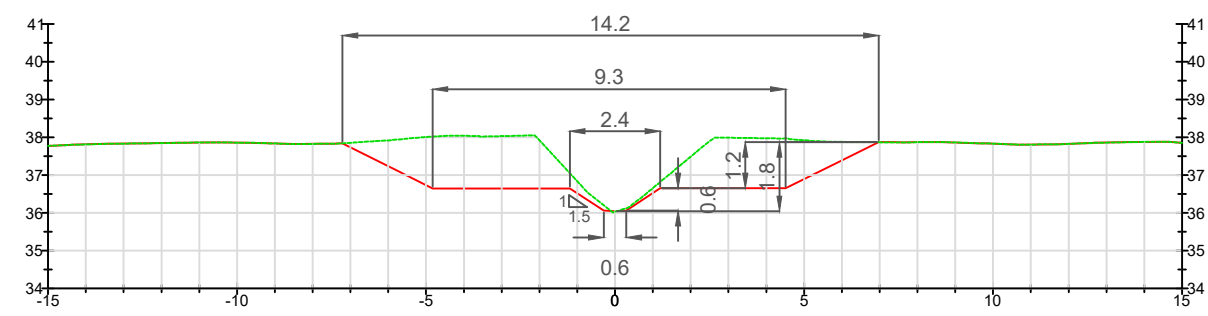
Chainage 185.000  
Natural scale - Looking downstream



Chainage 230.000  
Natural scale - Looking downstream



Chainage 280.000  
Natural scale - Looking downstream



Project Number 2150779

Project Title  
**Stodmarsh Stream  
Enhancement Scheme**

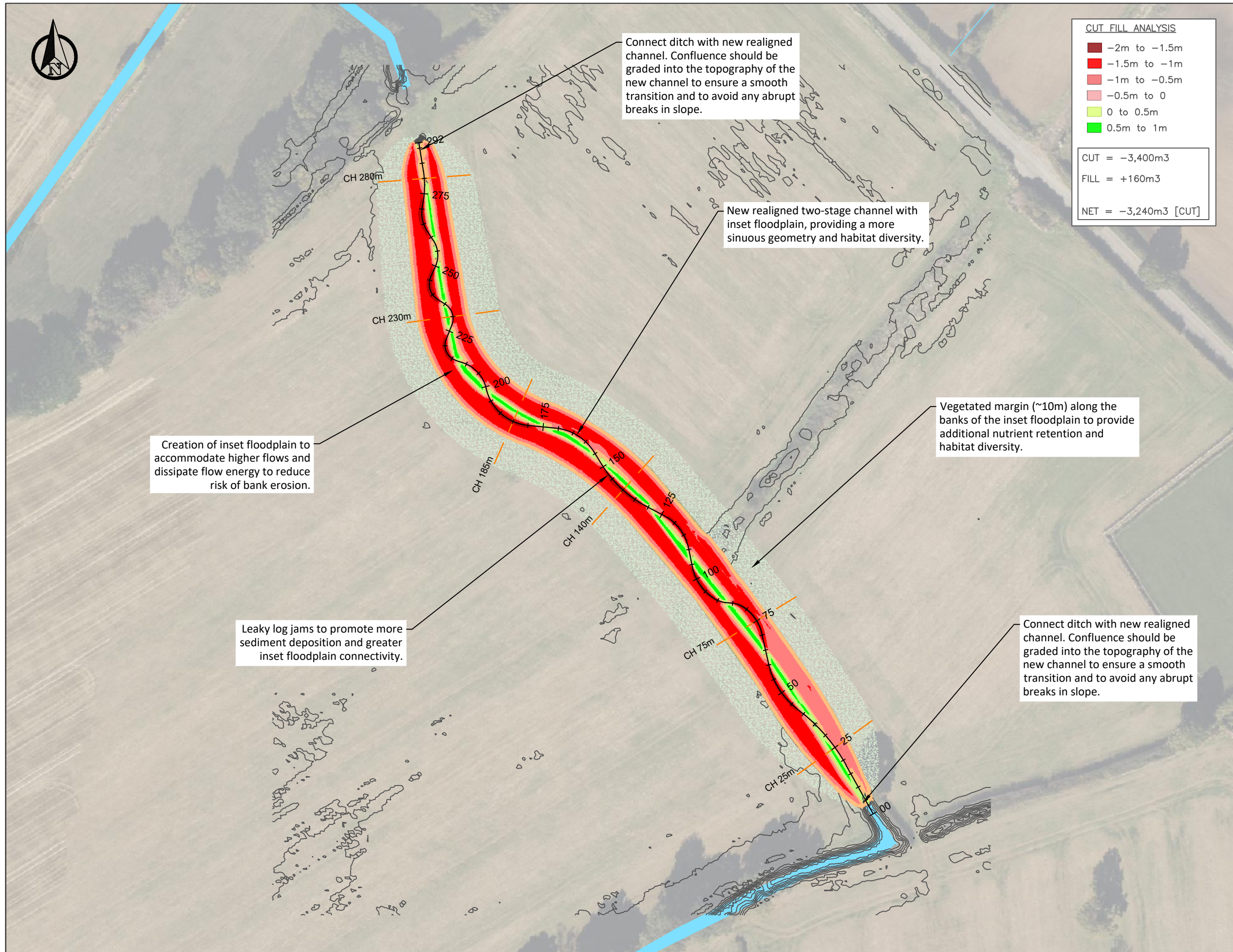
Drawing Title  
**BIBLY 2  
CROSS SECTIONS**

Scale @ A3  
1:200  
OSGB36 / British National Grid

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|----------|-------------|----------|
| Jl       | 03/12/20225 | Rev1 v2  |
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Drawing Number  
**3**



Connect ditch with new realigned channel. Confluence should be graded into the topography of the new channel to ensure a smooth transition and to avoid any abrupt breaks in slope.

New realigned two-stage channel with inset floodplain, providing a more sinuous geometry and habitat diversity.

Creation of inset floodplain to accommodate higher flows and dissipate flow energy to reduce risk of bank erosion.

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**CUT FILL ANALYSIS**

- -2m to -1.5m
- -1.5m to -1m
- -1m to -0.5m
- -0.5m to 0
- 0 to 0.5m
- 0.5m to 1m

CUT = -3,400m<sup>3</sup>  
 FILL = +160m<sup>3</sup>  
 NET = -3,240m<sup>3</sup> [CUT]

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Project Number: 2150779

Project Title: **Stodmarsh Stream Enhancement Scheme**

Drawing Title: **BLIBY 2 CUT FILL ANALYSIS**

Scale @ A3: 1:1,200  
 OSGB36 / British National Grid

| Drawn    | Date        | Version  |
|----------|-------------|----------|
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Drawing Number: **4**