Evenlode Catchment Partnership

Phase 1 Delivery of Natural Flood Management (NFM) measures in the Littlestock Brook Catchment
PROPOSED FILTER DRAIN 500mm WIDE, 500mm DEEP AND 10m LONG, FILLED WITH 20-40mm CLEAN GRAVEL AND WRAPPED IN GEOTEXTILE FILTER MEMBRANE WITH 150mm PERFORATED PIPE TO OUTFALL INTO EXISTING BROOK.

SLOPES TO BE NO STEEPER THAN 1 IN 6

AREA BEHIND BUND TO BE LOWERED TO INTERCEPT AND STORE SOIL RUNOFF

TYPICAL BUND SECTION
SCALE 1:100

EXCAVATED CLAY COMPAKTED IN 100mm LAYERS

GRADIANT TO BE NO STEEPER THAN 1 IN 6

BUND KEYED INTO EXISTING GROUND 300mm MINIMUM

EXCAVATED SOIL TO BE USED TO CREATE BUNDS.

FILTERATION OUTFALL CREATED USING LOCALLY SOURCED COTSWORD STONE OR SIMILAR, MIXED WITH EXCAVATED SOIL

BANKS TO BE FORMED FROM EXCAVATED CLAY

SLOPES TO BE NO STEEPER THAN 1 IN 3

EXISTING GROUND LEVEL

ENVIRONMENTAL WL

TYPICAL POND SECTION
SCALE 1:100

PROPOSED 500mm DEEP MAX SWALE

PROPOSED 500mm DIAMETER TO BE SUPPLIED BY LANDOWNER LENGTHS CUT TO SUIT.

FELLED WOOD 150mm MINIMUM DIAMETER TO BE FIX TO THE BANKS OF THE BROOK

1m LONG 20mm STEEL BARS INSTALLED THROUGH WOODY DAM AND FIXED INTO THE BANKS OF THE BROOK

SCRAPES TO TIE INTO EXISTING BANK AT 1 IN 3

SCRAPES TO TIE INTO EXISTING GROUND AT A 1 IN 6 GRADIENT

WOODY DAM AND SCRAPE DETAIL
SCALE 1:100

SCRAPES TO BE PROTECTED AT CONNECTION TO WATERCOURSE WITH JUTE OR CORR MATTING

1m LONG 20mm STEEL BARS

PROPOSED SCRAPE TO BE A MINIMUM OF 260mm LOWER THAN TOP OF WOODY DAM

WOOD TO BE FIXED TOGETHER USING SUITABLE TIES/STRAPS

SECTION A-A
SCALE 1:50

BANK TO BE EXCAVATED BACK BY AT LEAST 500mm TO INSTALL WOODY DAM EXCAVATED MATERIAL TO BE REINTOGATED AROUND INSTALLED DAM.
Bund | Length (m) | Max Height (m) | Storage Created (m³) | Excavated Clay Required (m³)
--- | --- | --- | --- | ---
1 | 190 | 1.2 | 5500 | 1000
2 | 220 | 1.2 | 2500 | 1200
3 | 150 | 0.6 | 2000 | 450
4 | 135 | 0.6 | 1400 | 400
**Total** | 695 | - | 11400 | 3050

For Bund Construction Details, see Drawing NFMLS/002.

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1. For Construction Details see Drawing NFMLS/002.
2. Dimensions in Millimetres and Levels in Metres unless stated otherwise.
3. Finished Levels to be confirmed by NFM Project Officer on site.
4. Existing Utility Information to be provided. It is the Contractors' Responsibility to check the site for any unmapped services before commencing works.
5. Any Areas to be disturbed to be stripped of existing topsoil and stored for re-use over constructed Bunds and other disturbed areas where required.

---

**WEST OXFORDSHIRE DISTRICT COUNCIL**

**EVENLODE CATCHMENT PARTNERSHIP**

**ECP HOST AND WORKS CLIENT:**

Wild Oxfordshire

Lisa Whiteman

Adur & Worthing

Tel: 01903 254545

**Project Title:**

LITTLESTOCK BROOK NATURAL FLOOD MANAGEMENT

**Phase 1 NFM Measures and Woodland Planting Area 1**

**Date:**

04/10/2017

**Drawing Number:**

NFMLS/003

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KEY:
- WOODY DAMS AND SCRAPES (WHERE REQUIRED)
- WOODLAND PLANTING & PLANT NUMBER
- FIELD CORNER BUND
- PROPOSED POND / PERMANENTLY WET AREA
- PROPOSED FILTER DRAIN WITH OUTFALL TO BROOK

NOTES:
1. FOR CONSTRUCTION DETAILS SEE DRAWING NFML5/D/002.
2. DIMENSIONS IN MILLIMETRES AND LEVELS IN METRES UNLESS STATED OTHERWISE.
3. FINISHED LEVELS TO BE CONFIRMED BY NFM PROJECT OFFICER ON SITE.
4. EXISTING UTILITY INFORMATION TO BE PROVIDED. IT IS THE CONTRACTORS RESPONSIBILITY TO CHECK THE SITE FOR ANY UNMAPPED SERVICES BEFORE COMMENCING WORKS.
5. ANY AREAS TO BE DISTURBED TO BE STRIPPED OF EXISTING TOPSOIL AND STORED FOR USE OVER CONSTRUCTED BUNDS AND OTHER DISTURBED AREAS WHERE REQUIRED.

Amendments

WEST OXFORDSHIRE DISTRICT COUNCIL

ECU Host and Works Client:
Wild Oxfordshire
Penny House
Little Wittenham
Abingdon Oxfordshire
OX14 4SA
Tel: 01235 473250 / 01235 477269

Project Title
LITTLESTOCK BROOK NATURAL FLOOD MANAGEMENT

Phase 1 NFM MEASURES AND WOODLAND PLANTING AREA 2

Scale: 1:1000

Drawn By:

Accepted By:

Date:
04/10/2017

Rev.
A

Drawing Number:
NFMLS/004
**EXISTING ACCESS THROUGH FARM YARD TO BE USED FOR WORKS ACCESS TO BUNDS 1, 2 AND 4.**

90m LONG, 0.5m HIGH BUND TO DIVERT WATER AWAY FROM PROPERTIES

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**BUND CONSTRUCTION DETAIL**

<table>
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<tr>
<th>BUND</th>
<th>LENGTH (M)</th>
<th>MAX HEIGHT (M)</th>
<th>STORAGE CREATED (M³)</th>
<th>EXCAVATED CLAY REQUIRED (M³)</th>
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<td>1</td>
<td>140</td>
<td>1.2</td>
<td>1750</td>
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<td>2</td>
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<td>TOTAL</td>
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**Key:**
- Woody Dams and Scraps
- Woodland Planting Area & Plot Number
- Field Corner Bund (Construction Detail on Drawing NFMLS5/002)
- Proposed Pond / Permanently Wet Area
- Proposed Filter Drain with Outfall to Brook

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**Amendments**

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<th>No.</th>
<th>Description</th>
<th>By</th>
<th>Check Appr.</th>
<th>Date</th>
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**WEST OXFORDSHIRE DISTRICT COUNCIL**

EVENLODE CATCHMENT PARTNERSHIP

**ECP Host and Works Client:**
Wild Oxfordshire

**Evenlode Catchment Partnership**

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**Phase Title:**
LITTLESTOCK BROOK NATURAL FLOOD MANAGEMENT

**Drawing Title:**
PHASE 1 NFM MEASURES AND WOODLAND PLANTING AREA 7

- **Date:** 13/11/17
- **Drawing Number:** NFMLS5/006

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