

# National Environmental Assessment and Sustainability (NEAS)

# **Internal Environmental Assessment**

## **Environmental Action Plan**

Project name	Preston and South Ribble Flood Risk Management Scheme: Areas 1 and 2
Project 1B1S reference	ENV000009C
Area	North West
Date	Nov 21
Version number	04
Author	Jacobs (various)

#### **Revision history**

Revision date	Summary of changes	Author	Version number
15/02/2021	First draft	Jacobs (Various)	1
15/05/2021	Updated following Planning Approval	Jacobs (Various)	2
04/08/2021	Minor changes following input from Contractor and survey information	Jacobs (Various)	3
tbc	Update in advance of construction	Environment Agency	4

#### **EAP Approvals**

Name	Signature	Title	Date	Version

#### **Distribution**

Name	Title	Date	Version

## **Purpose**

This Environmental Action Plan (EAP) summarises the actions required to manage specific environmental issues on a project. These actions are often connected with specific commitments made to others through consultation, planning, permitting and other regulatory mechanisms. It does not cover more generic requirements of environmental risk management and site good environmental practice.

These actions form part of the contract documentation and must be adhered to.

#### **Roles**

Each action in the table below has <u>one</u> named person who is responsible for ensuring that the action is implemented. It is ultimately the contractor's responsibility for ensuring the EAP commitments, are delivered.

NEAS are responsible for agreeing any changes to the EAP and for signing off, or agreeing to the signing off, of the actions.

The contractor and Project Manager are responsible for advising NEAS on any changes to method statements or the planned construction work as these may result in changes to the EAP or additional consultation with statutory consultees. NEAS will assess the significance of these changes and determine the appropriate course of action.

The contractor is also responsible for implementing good environmental practice on site, in line with their own Environmental Management System (EMS). The Environmental Clerk of Works (ECoW) will monitor adherence to the EMS. Typical issues include:

- Any working hour restrictions
- Dust suppression measures
- Traffic management
- Site waste management
- Materials management
- Maintenance of the carbon calculator
- Vehicle maintenance and management
- Pollution prevention and control (including storage, refuelling and incident response)
- Response procedures e.g. services strike, contaminated land
- Hazardous materials handling and storage
- Noise management
- Securing and delineation of working areas including signage

#### **Environmental Audits**

The appended template should be used when undertaking any site audits during construction. Such audits can be undertaken by NEAS Environmental Project Managers (EPM) or delegated by NEAS to the ECW or other individuals. Technical assistance can be obtained from functional staff as appropriate. Site audits can potentially highlight good practice and can be separate to the review of EAP actions as undertaken in progress meetings. They do not replace the regular checks undertaken by the ECW during the works; no set template has been provided for this.

# **Environmental Incident Reporting System**

All environmental incidents must be reported to the Environment Agency Incident Hotline 0800 80 70 60 as per the Environmental Incident Reporting Poster at the earliest opportunity and then to the Engineering and Construction Contract (ECC) Project Manager, Site Supervisor, Environment Agency Project Manager and Environment Agency NEAS Environmental Project Manager. In addition, near misses must be reported via the hotline where there was/is the potential for a significant impact and where lessons can be learned.

Initial reports for such incidents and near misses must be followed by a written report using the contractor's in-house forms. This must include the following information (project/location, date, contractor, National Incident Recording System (NIRS) reference number, details of what happened, cause of incident, lessons learned). This final and comprehensive investigation report is to be provided by the Contractor to the ECC Project Manager, Environment Agency Project Manager and Safety, Health and Environment Manager within 14 days.

# **Summary of Scope of Works**

The Environment Agency are proposing to improve flood protection to the multiple areas of Preston and South Ribble. The proposed Scheme itself would primarily be constructed along the alignment of existing defences on the north and south banks of the River Ribble, with some requirement for new revetment works, and works to an existing railway culvert to prevent outflanking.

See General Arrangement drawings

ENV0000009C-JAC-ZZ-41A-DR-PL- 0001 to 0003

ENV000009C-JAC-ZZ-41B-DR-PL-0001 to 0003

ENV000009C-JAC-ZZ-41C-DR-PL-0001 and

ENV000009C-JAC-ZZ-41D-DR-PL-0001

#### **Relevant Contact Details**

Project Sponsor	Andy Brown
<b>Project Executive</b>	Stuart Martin
Project Manager	Alison Roberts
NEAS	Connor Mcllwrath
ECW	Neil Page, Capita
Contractor	VolkerStevin
Site Supervisor	Hywel Evans, Arcadis

# **Environmental Action Plan**

Ref. No.	Objective	Action	Responsibility	Reference to further information	Progress and Further Action	Sign off and date				
Pre-co	Pre-construction									
A0. Al	PPROVALS									
A0-1	To secure necessary permission for works from the Environment Agency (EA).	Undertake consultation with EA to secure the necessary approvals/exemptions for works within a flood risk zone and on existing flood defence, prior to works commencing.	Contractor	FRAPs will be required	Rhys Brindle from VS is leading on FRAPs. Established relationship with Steph Bracegirdle in PSO.  App for Reach 1A submitted 17/09/2021  Issued for construction Temporary Works design required for final sign off. Info to be submitted end of November with the anticipation of final sign off mid December.  App for Reach 1B deadline for submission end of April.  App for Reach 2B submitted to senior users 12/11/2021. 2 weeks 'duly made' process and then to be submitted 26/11/2021.					
A0-2	To secure necessary permission/approval for works from Natural England.	Undertake consultation with Natural England, sufficient to secure exemptions/ approval for works in proximity to the River Ribble Marine Conservation Zone (MCZ) and upstream of Ribble and Alt Estuaries Ramsar and SPA.	Environment Agency NEAS	Marine Conservation Zone Assessment ENV0000009C-JAC-XX- 00-RP-EN-0002 Stage 1 Habitats Regulations Assessment ENV0000009C-JAC-XX- 00-RP-EN-0004	Stage 1 HRA concludes no Likely Significant Impacts to Ribble Estuary SPA, SSSI & Ramsar.  Natural England responded to the planning application 22 <sup>nd</sup> February 2021 (NE Ref 340599) with no objections.	Signed off April 2021				

A0-3	To secure necessary permissions for proposed works from Utilities Companies including United Utilities (UU), Electricity NW, Cadent	Undertake consultation with providers to secure the necessary approvals prior to the works commencing.	Jacobs PM		Affected utilities companies have been consulted throughout design process and utility diversions have been designed.  Discussions ongoing.  Include update on latest position – proposed dates of any diversions	
A0-4	To secure necessary permissions for proposed works around Listed Bridges (Penwortham Old Bridge, and West Coast Mainline Viaduct), Historic Park (Avenham and Miller Park), and Scheduled Monument (Penwortham Old Bridge).	Undertake consultation with Historic England and local authorities to secure consent for proposed works.	EA NEAS	Heritage Statement ENV0000009C-JAC-XX- 00-RP-EN-0003	Consultation undertaken with Historic England regarding the works in the proximity of Avenham and Miller Park dated 27th October.  HE confirmed in email (26.02.21) that SM consent not required for works adjacent to Old Penwortham Bridge.  Listed Building Consent obtained as part of the planning permission.	Signed off April 2021
A0-5	To secure necessary permissions for proposed works within the River Ribble from the Marine Management Organisation	Marine Licence required for in-river works – 4 lengths of new revetment Up to 13 weeks determination period	EA NEAS		Application submitted 13.08.21.  Delay with assigning a case officer. David Morris now assigned. 4 week consultation process due to finish on 14 <sup>th</sup> December.  Draft licence due to be issued end of Dec	

A0-6	To obtain discharge of pre-commencement planning conditions	A total of 10 pre-commencement conditions need to be discharged prior to start of construction		Planning approval notice	Conditions 3,4,5,7&9 submitted to LCC in Aug. Awaiting sign off from UU regarding revised wording of C7. A new discharge app is required once the wording has been agreed.  Conditions 6,8,10,12&13 submitted in Sept.	
A1 HU	MAN POPULATION					
A1-1	To communicate information about the proposed works to the public.	Undertake consultation with affected landowners and tenants to advise of the proposed nature and timing of the works.  Provide named contact for queries or concerns.	Contractor		The Stakeholder Engagement Plan provides a record of all consultation undertaken and planned	
A1-2	To communicate information about the proposed works to the public.	Notice of entry to be issued at least 7 days before the works.  Include clear details of the nature and timings of the works.  Install temporary notice boards at locations to be agreed with councils to keep site users up to date with the Scheme.	EA Project Manager		EA Estates have issued NoE to affected parties.	

A1-3	To maintain safe public access during works.	Plan works to maintain safe access to public areas. To be aware of sensitive locations for example, Avenham and Miller Parks, Preston Sports Club, Penwortham Methodist Church, Tinkerbells Day Nursery.  Ensure works remain protected out of working hours to maintain site security and public safety.	Contractor	Site access shall be via accepted routes agreed in advance with the relevant stakeholders.  Temporary diversions will be required to the following Public Rights of Way:  National Cycle Route (NCR) 55;  NCR 62;  The Preston Guild Wheel;  The Ribble Way long distance path;  7-9-FP20, that meets the Golden Way footpath where the ground raising is proposed;  7-9-FP21 which forms part of the Golden Way footpath;  7-9-FP22 which forms part of the Golden Way footpath;  7-9-BW34 that runs along the river frontage through Ribble Sidings.	Signed off, Nov 2021
A2 LANE	USE AND AMENITY				
A2-1	To record the condition of site prior to works being undertaken.	Undertake a pre-works condition survey (including photos) of all work areas and access routes.	Contractor	Contractor providing property surveys to also undertake precondition survey of all working areas/access routes.	

A2-2	To provide continuing safe pedestrian routes and recreational amenity.	Confirm that public footpaths and cycle paths not requiring closure or temporary diversions will be fenced off and secured from the works.	Contractor	Security fencing to be erected to perimeter of agreed working areas – as shown on GA plans		
		Pedestrian access to residential properties along closed roads to be maintained		ENV0000009C-JAC-ZZ- 41A (and 41B)-DR-PL- 0001 to 0003 and		
				ENV0000009C-JAC-ZZ- 41C (and 41D) -DR-PL- 0001		
A2-3	To obtain consent from Lancashire County Council for temporary diversions to Public Rights of Way.	Obtain necessary consent for temporary diversion / closure of public rights of way / National Cycle Route – see list in A1-3.	Contractor	Environmental Constraints Plan ENV0000009C-JAC-ZZ-ZZ-DR-EN-0001 Proposed PRoW Diversion Routes ENV0000009C-JAC-XX-ZZ-DR-EN-0001	Closures for Reach 1A and 2B have been applied for and approved.  2A Footpath closure submitted for approval 23/11/21  Anticipated end date for closure is 01/06/22	

A3 BIODIVERSITY, FLORA & FAUNA

A3-1	Minimise risk of direct and indirect impacts on species during construction.	Working methods and Construction Environment Management Plan (CEMP) to incorporate protection measures to avoid impacts during construction, including: No night time working, including dusk and pre-dawn; All excavations to be covered at night: site compounds and construction machinery to be positioned in areas of existing hardstanding; No piles of brash from cut vegetation to be stockpiled on site; Existing haul routes and access tracks to be used where possible; and Where required for security and / or health and safety, use of low-spill directional lighting.	Contractor	Preliminary Ecological Appraisal (Mott MacDonald 2019a), ENV000009C-MMD-DZ- 00-RP-EN-0303001 Verification Survey (Jacobs 2020) ENV0000009-JAC-ZZ- 00-MO-BD-0001	Site working hours as stated in the CEMP are to be adhered to.  Excavations to be covered at night with boards installed to allow safe access/egress for otters.  Site compound to be installed at Odeon cinema car park.	
A3-2	To avoid impacts on bats.	Plan all works to be undertaken in daylight hours to avoid requirement for artificial lighting. Where required for security and/or health and safety, use low-spill directional lighting.	Contractor		No trees relative to the locations of works are identified as having bat roost potential.  Action included in CEMP.	Signed off Nov 2021
A3-3	Minimise risk of direct or indirect impacts from pollution incidents.	Adapt pollution control measures for working in and near water to ensure they are adequate e.g. check surface water drainage gulley condition and install drain cover mats in working area to prevent surface water run-off contamination.  Silt fencing erected to perimeter of stockpile bunds.	Contractor	Marine Conservation Zone Assessment ENV0000009C-JAC-XX- 00-RP-EN-0002	In-channel works will take place outside of Smelt migration period. No in-channel works in the period 1st February to 15th June.  Action included in CEMP	Signed off Nov 2021

A3-4	To prevent spread of invasive non-native terrestrial plant species (INNS).	Incorporate specific control measures for species known to be present within working areas (Himalayan Balsam, Japanese Knotweed, and Giant Hogweed).	Contractor	Follow best practice laid out in  http://www.nonnativespecies.org/checkcleandry/index.cfm  Adopt measures set out in Invasive Non-Native Species Report  ENV0000009C-JAC-XX-00-RP-EN-0005	INNS Management Plan issued to Contractor. They are responsible for managing all invasives within working areas during construction.	Signed off Nov 2021
A3-5	To minimise impacts to breeding birds.	Plan all vegetation clearance to be undertaken between September and February inclusive. Where this is not possible, pre-site clearance checks will be required no more than 24 hrs in advance of vegetation clearance (March – August inclusive). If active nests are found works may not commence until young have fledged.  No brash piles to be left within the construction working area.	Contractor		First phase of clearance along Broadgate completed in Feb 2021. Remaining vegetation to be cleared Winter 21/22. Hedge line to the back of BAC to be removed November 2022.	

A3-6	Minimise impacts on trees/hedgerows.	Work areas to avoid root protection zones as shown on tree protection dwgs.  Ground protection to be installed where required.  Access requirements to be agreed with project arboriculturist.  Where there is potential for clash with any root zone, fence off or otherwise demarcate root protection zones at outset to prevent accidental excavation or tracking in these areas. Works should follow standard tree protection measures (BS 5837: 2012) to avoid impacts to root systems.	Contractor	Arboricultural Impact Assessment ENV0000009C-JAC-XX- 00-RP-EN-004		
A3-7	To avoid significant impacts on otter, otter habitats, and to comply with its protected status.	Pre-construction survey to be undertaken 2-3 months before any construction works to confirm the findings of otter surveys i.e. that there are no otter holts or laying-up areas are at risk of disturbance.  If evidence is found, then a mitigation plan and possibly a European Protected Species Licence will be required.	Jacobs	Otter survey ENV0000009C-JAC-ZZ- 00-BD-0002	Survey undertaken 3 <sup>rd</sup> August 2021 by Jacobs. No otter holts or laying-up areas identified.  Site team to be briefed on presence of otter in the river channel.	Signed off Sept 2021
A3-8	To avoid impacts on badger	Pre-construction survey to be undertaken 2-3 months before any construction works to confirm presence	Jacobs		An ecologist from Jacobs identified an old badger latrine during a site visit to the WCML underpass. The latrine at SD 53668 27623 was on a pile of sand. No other evidence was recorded, the survey location on the Greenway is criss-crossed by secondary footpaths and considered sub-optimal to support the species	

Construction access routes and spoil storage carried out in accordance with BS 3998:2010 – "Tree Work – Recommendations".	
A4-2 Minimise visual impacts on sensitive receptors in close proximity to the working area  Plan works areas, construction access and site compounds including welfare units to minimise likely visual intrusion for neighbouring residents and other visual receptors.  Contractor  ENV0000009C-JAC-ZZ-41A (and 41B)-DR-PL-0001 to 0003 and ENV0000009C-JAC-ZZ-41C (and 41D) -DR-PL-0001	
5to1 tree mitigation target.  Agency  Good car mitigation  Working secure of  Tenant fa  July – ag  Preston 0  15 <sup>th</sup> Nov. rivers true	Bottoms identified as andidate to deliver in for whole scheme.  with rivers trust to portunity.  armer approached in grees in principle.  CC met with tenant on a Call with PCC and st on 26th Nov to points raised.

A5-1	To comply with the requirements of the Water Framework Directive	Implement WFD mitigation requirements identified through Clearing Waters for All assessment.  Enter project details on the WFD Compliance register	Contractor  Environment Agency NEAS	Water Framework Directive Detailed Assessment ENV0000009C-JAC-XX- 00-RP-EN-0001	Ensure findings of assessment are delivered such as:  Greening up redi-rock revetments including coir roll along the toe.  Ground lowering along foreshore through Ribble Sidings.  Reuse felled trees to create fish habitat along Ribble Sidings frontage.	
A6-1	To minimise impacts on the Registered Park and Garden	Plan works areas, construction access and site compounds including welfare units to minimise likely visual intrusion into the Registered Park.	Contractor	GA plans  ENV0000009C-JAC-ZZ- 41A (and 41B)-DR-PL- 0001 to 0003 and  ENV0000009C-JAC-ZZ- 41C (and 41D) -DR-PL- 0001	Outline design amended to avoid working in Miller Park.  Satellite compound in car park of Preston Sports Club.	Signed off Nov 2021
A6-2	To minimise impacts on the West Coast Mainline Listed Viaduct and Penwortham Old Bridge	Plan tie-ins to be sympathetic to the structure of the bridges	Contractor	Listed Building Consent obtained as part of Planning Permission	Planning Application approved 26 <sup>th</sup> April 2021. See LCC decision notice LCC.2021.0002  Nick P to check tie-in details align with proposals on planning dwgs. Any changes may require approval from LPA.	

A7-1	To minimise impact of potentially contaminated land.  SE & VIBRATION	Undertake risk assessment for the detailed design solution and develop remedial strategy.	Contractor	Geoenvironmental Assessment ENV0000009C-JAC-ZZ- 00-AS-EN-0001	Recommended that the Contractor's risk assessment / method statements and SHE boxes on drawings are updated to include the potential ground contamination risks to workers.  To be included in RAMS for all earthworks activities.  SHE boxes to be updated by designer.
A8-1	To minimise impact of construction related noise and vibration on local population	Restrict the timings of noisy construction to no more than a period of ten or more days of working in any fifteen consecutive days; or a total number of days exceeding forty in any six consecutive months.	Contractor	Construction Noise Report ENV000009C- JAC-ZZ-ZZ-TN-EN-0001 Ref CEMP when available	CEMP will provide detail.  Noise monitoring will be installed in areas of works that are potentially high-risk areas.  High risk areas include homes/businesses located on Riverside and Riverside Rd  Works will progress in a linear fashion and therefore it is not anticipated that the parameters mentioned in the 'actions column' will be exceeded.

	obstruction ce by works	Undertake liaison with LCC Highways and secure consents for works / closures / diversions	Contractor	СЕМР	Road closures for Reach 1A and 2B have been approved.  Road closures for Reach 1B to be submitted (12-week approval process from official submission)  Anticipated closure dates are as follows: -  1A - 29/08/22 to 25/08/23  1B - 05/06/23 to 16/02/24  2B - 13/06/22 to 23/05/23	
B1 HUMAN POPUL	ATION					
	e disruption community.	Keep landowners, members of the public and tenants informed of progress.  Work within defined hours only.	Contractor	Planning Application approved 26 <sup>th</sup> April 2021. See LCC decision notice LCC.2021.0002  Hours defined in decision notice are  0800 to1800 Monday to Friday  0900 to 1400 Saturdays.		

B2-1	To provide safe pedestrian routes. Footpath/cyclepath users to be subject to minimal inconvenience.	Display signs along PRoWs that have been identified as requiring a temporary closure. Signage to be maintained throughout the duration of works.  Diversion periods are to be kept to a minimum and ensure that local residents are well informed of works and a consistent means of public liaison is in place.	Contractor	Proposed PRoW Diversion Routes ENV0000009C-JAC-XX- ZZ-DR-EN-0001	Ensure closures and diversions accord with LCC approval notices.	
B3 BIG	DDIVERSITY, FLORA & FA	UNA				
B3-1	To minimise risk of direct or indirect impacts through pollution incidents on: habitats for MCZ fish species in the River Ribble.	Weekly inspections of work area to ensure compliance with Flood Risk Activity Permit and daily inspection of silt protection measures.	Contractor			

B3-2	To minimise risk of direct or indirect impacts through spread or introduction of nonnative species.	Ensure compliance with control measures (including biosecurity measures), especially at the start of works when all plant and equipment should be inspected.  Incorporate 'check, clean, dry' approach, especially at the beginning and end of the works when plant etc. will be moving between different locations:  Ensure vehicles are cleaned regularly to remove any accumulated mud, especially from wheels and wheel arches.  Ensure tools are cleaned on a daily basis to reduce the risk of transporting plant fragments and soil between different sections of the site.  Maintain Personal Protective Clothing, i.e. cleaning footwear at the beginning and end of a work day	Contractor	Follow best practice laid out in  http://www.nonnativespec ies.org/checkcleandry/ind ex.cfm  Invasive Non-Native Species Report ENV0000009C-JAC-XX- 00-RP-EN-0005		
B3-3	To minimise risk of killing or injuring fish during installation of Redi-Roc revetment	Undertake a fish rescue of any areas to be temporarily de-watered.	Contractor		Contractor to liaise with EA re fish rescue requirements	

B3-4	To avoid impacts on trees and hedgerows.	Tree protection measures such as fencing and ground protection to be established prior to any construction works.  For locations which are within the Root Protection Area (RPA) works should be supervised by an arboriculturist and excavations handdug to the appropriate depth to avoid substantial roots. Utilise ground protection for machinery tracking over root systems.  All proposed tree works should be carried out by a suitably qualified contractor preferably registered with the Arboricultural Association.  Tree work should be carried out in accordance with BS 3998:2010 – "Tree Work - Recommendations."	Contractor	Arboricultural Impact Assessment ENV0000009C-JAC-XX- 00-RP-EN-004 British Standard (BS) 5837 (2012), "Trees in relation to design, demolition and construction – Recommendations"	
B3-5	To protect habitats and species.	The ECoW to maintain an audit trail throughout construction and to communicate non-compliance.  No additional habitats should be removed or modified.	Contractor and ECoW		
B3-6	Protect and enhance rare, notable species and comply with legislation (breeding birds).	Ongoing vegetation management to minimise risk of bird nesting in the working areas.	Contractor and ECoW		
B4 LAN	DSCAPE & VISUAL EFFE	стѕ			
B4-1	To minimise reinstatement requirements.	Use ground protection to cover hard and soft landscape areas including grass, to avoid/reduce reinstatement requirements on completion of works.	Contractor		

B4-2	To minimise visual impacts.	Notify residential and commercial neighbours prior to commencement of tree clearance or visually intrusive construction operations.	Contractor			
B4-3	Mitigate and enhance landscape following construction of defences.	Implement all mitigation and enhancements as agreed with LPA.	Contractor / Environment Agency	Landscape Masterplans ENV0000009C-JAC-ZZ- ZZ-DR-L-0002 to ENV000009C-JAC-ZZ- DR-L-0009 Ribble Sidings habitat creation ENV0000009C- JAC-ZZ-42X-DR-L-0001	Landscape Detailed design plans ENV0000009C-JAC-ZZDR-L-0013 to ENV000009C-JAC-ZZDR-L-0030 Detailed Plan for Ribble Sidings ENV0000009C-JAC-ZZ-42C-DR-L-0001	
B4-4	To re-instate all working areas including site compounds to preconstruction condition.	Secure landowner approvals prior to handover.	Contractor			
B4-5	Remedial tree works.	If accidental damage is caused to trees or vegetation that requires remedial pruning / tree works, Project Manager to be advised. Tree works to be undertaken by a suitably qualified arboricultural contractor.	Contractor	Report any accidental damage immediately to the EA PM		
B5 WA	TER ENVIRONMENT					
B5-1	To prevent accidental release of harmful pollutants or hydraulic fluids into river or groundwater.	Brief site staff prior to works regarding storage of hazardous materials and contaminants and have spill response procedures in place.	Contractor			
B6 HIS	TORIC ENVIRONMENT	1		1	1	

B6-1	To ensure that unrecorded remains, if encountered during works, are not damaged by excavation.  Penwortham Old Ferry	Brief site staff prior to works regarding the need to remain vigilant during excavations and the procedure to follow should suspected archaeology be found.  If items found, works will be halted in that location and the NEAS Heritage Advisor contacted.  If any archaeological finds are made: The contractor shall stop work; The artefact will be left in-situ; The NEAS Archaeologist shall be informed of the find immediately.  It is possible that the ferry house foundations are still in situ – end of Hawkhurst Rd, Area 2. An archaeological watching brief should be undertaken at the site of the Penwortham Old Ferry in accordance with Chartered Institute for	Contractor		Project Manager to liaise with Environment Agency Project Manager and NEAS Heritage Advisor  Awaiting confirmation from NEAS re this requirement.  Steve – do you think this is required?	
B7 GRO	OUND CONDITIONS	Archaeologists (ClfA) Standard and guidance for an archaeological watching brief (2020)".				
B7-1	Ensure excavated/	Prepare Method Statement for	Contractor	<u> </u>		
F/-1	disturbed spoil is dealt with correctly and opportunities for reuse explored.	appropriate remediation/ disposal/ reuse measures.  Topsoil handling to be in accordance	Contractor			
	exploited.	with BS3882:2015				
		Agree Method Statement with Environment Agency.				

B7-2	Ensure no long-term impact of contaminated land on people, structures and vegetation.	Comply with agreed risk assessment and remediation measures/ disposal/ re-use.	Contractor		
B8 TRA	FFIC & TRANSPORT		l		
B8-1	To minimise disruption to the local road network.	Implement any mitigation measures requested by Lancashire County Council Highways. Keep local community and Highways informed of any change to programme.	Contractor		
Post-cor	struction				
C1 LAN	ID USE AND RECREATIO	N			·
C1-1	To reinstate access/use across the area.	Ensure all working area demarcation fencing is removed, the site is reinstated to satisfaction of the landowner(s) and a post-works condition survey is completed (including photos) of site compound and works areas and any access routes.	Contractor		
C2 HUN	MAN POPULATION (N/A)				
C3 BIO	DIVERSITY, FLORA & FAI	UNA			
C3-1	To protect and enhance key habitats for biodiversity gain	Implement habitat creation sites.  Reinstate all habitats on completion of the works. Deliver the measures to improve habitat, species, landscape and amenity as agreed, including reseeding the banks and replacing trees/scrub vegetation and wildflower grassland areas.	Contractor		

C3-2	To avoid establishment of non-native species in areas disturbed by the works.	Monitoring checks in the growing season following completion. Instigate eradication programme if any nonnative species found.	Contractor	Invasive Non-Native Species Report ENV0000009C-JAC-XX- 00-RP-EN-0005	
C4 LAI	NDSCAPE & VISUAL EFFE	CTS			
C4.1	Maintain embankments in perpetuity.	Cut grass 1 p.a., or as otherwise instructed by the Asset Engineer.	Environment Agency		
C4.2	Maintain landscape mitigation and enhancement elements.	Maintain landscape mitigation and enhancement areas in accordance with habitat management plans.	Environment Agency	Habitat Management Plans for Areas 1&2, and Fishwick Bottoms	
C5 WA	TER ENVIRONMENT (N/A	)			1
C6 HIS	STORIC ENVIRONMENT				
C6-1	Document any archaeological findings.	Report to be prepared on the results of any archaeological work carried out during construction.	Contractor		
C7 GR	OUND CONDITIONS (N/A)	)			
C8 NO	ISE & VIBRATION (N/A)				
C9 TR	AFFIC & TRANSPORT (N/A	4)			

# **Environmental audit record**

Project	Preston and South Ribble Areas 1 and 2 FRMS	Project ref.:	ENV000009C
Project Manager:	Alison Roberts	NEAS EPM:	Connor McIlwrath
Location	River Ribble, Preston, Lancashire	Grid reference	Centred on SD530282

#### **Site Visit Audit Details**

Visit During/Post Construction:	Date of Visit:	Time of Visit:	
Audit Officer:	Photos taken (y/n):	Referenced to Pre- Photos(y/n):	

Does the Site Supervisor have an up to date copy of the EAP? Yes / No

# **General comments**