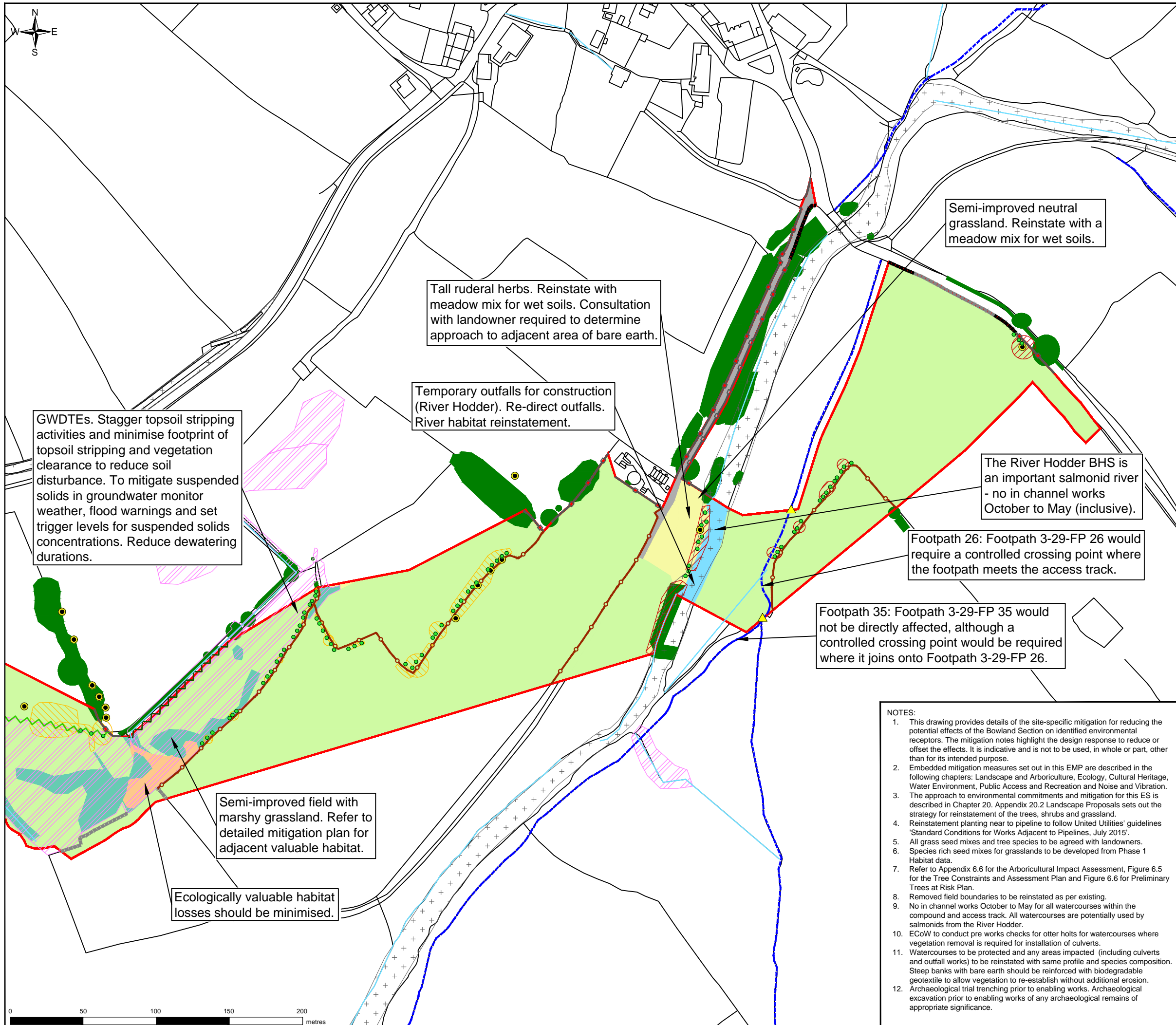


FIGURE 20.1



Legend

- Planning Application Boundary
- Existing running watercourse (to be retained)
- Existing river channel (to be retained)
- Existing track / hardstanding (to be retained / reinstated)
- Existing PRoW (to be retained)
- Existing building (to be retained)
- Existing vegetation (to be removed)
- Existing vegetation (to be retained)
- Existing grassland (to be retained)
- Existing hedgerow (to be retained)
- Existing wall (to be retained)
- Existing fence (to be retained)
- Existing ecologically valuable habitat
- ++++ Existing Biological Heritage Site (BHS)
- Existing GWDTE
- Bat roost potential tree
- Proposed tree
- Proposed reinstated grassland
- Proposed reinstated species rich grassland
- Proposed reinstated marshy grassland
- Proposed woodland planting
- Proposed temporary PRoW diversion
- Proposed temporary PRoW closure
- ▲ Proposed temporary PRoW access gate
- Proposed reinstated fence
- Proposed reinstated hedgerow
- Proposed reinstated wall

GWDTEs. Stagger topsoil stripping activities and minimise footprint of topsoil stripping and vegetation clearance to reduce soil disturbance. To mitigate suspended solids in groundwater monitor weather, flood warnings and set trigger levels for suspended solids concentrations. Reduce dewatering durations.

Tall ruderal herbs. Reinstale with meadow mix for wet soils. Consultation with landowner required to determine approach to adjacent area of bare earth.

Temporary outfalls for construction (River Hodder). Re-direct outfalls. River habitat reinstatement.

Semi-improved neutral grassland. Reinstale with a meadow mix for wet soils.

The River Hodder BHS is an important salmonid river - no in channel works October to May (inclusive).

Footpath 26: Footpath 3-29-FP 26 would require a controlled crossing point where the footpath meets the access track.

Footpath 35: Footpath 3-29-FP 35 would not be directly affected, although a controlled crossing point would be required where it joins onto Footpath 3-29-FP 26.

Semi-improved field with marshy grassland. Refer to detailed mitigation plan for adjacent valuable habitat.

Ecologically valuable habitat losses should be minimised.

- NOTES:**
1. This drawing provides details of the site-specific mitigation for reducing the potential effects of the Bowland Section on identified environmental receptors. The mitigation notes highlight the design response to reduce or offset the effects. It is indicative and is not to be used, in whole or part, other than for its intended purpose.
 2. Embedded mitigation measures set out in this EMP are described in the following chapters: Landscape and Arboriculture, Ecology, Cultural Heritage, Water Environment, Public Access and Recreation and Noise and Vibration.
 3. The approach to environmental commitments and mitigation for this ES is described in Chapter 20. Appendix 20.2 Landscape Proposals sets out the strategy for reinstatement of the trees, shrubs and grassland.
 4. Reinstatement planting near to pipeline to follow United Utilities' guidelines 'Standard Conditions for Works Adjacent to Pipelines, July 2015'.
 5. All grass seed mixes and tree species to be agreed with landowners.
 6. Species rich seed mixes for grasslands to be developed from Phase 1 Habitat data.
 7. Refer to Appendix 6.6 for the Arboricultural Impact Assessment, Figure 6.5 for the Tree Constraints and Assessment Plan and Figure 6.6 for Preliminary Trees at Risk Plan.
 8. Removed field boundaries to be reinstated as per existing.
 9. No in channel works October to May for all watercourses within the compound and access track. All watercourses are potentially used by salmonids from the River Hodder.
 10. ECoW to conduct pre works checks for otter holts for watercourses where vegetation removal is required for installation of culverts.
 11. Watercourses to be protected and any areas impacted (including culverts and outfall works) to be reinstated with same profile and species composition. Steep banks with bare earth should be reinforced with biodegradable geotextile to allow vegetation to re-establish without additional erosion.
 12. Archaeological trial trenching prior to enabling works. Archaeological excavation prior to enabling works of any archaeological remains of appropriate significance.

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ENVIRONMENTAL MASTERPLAN
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