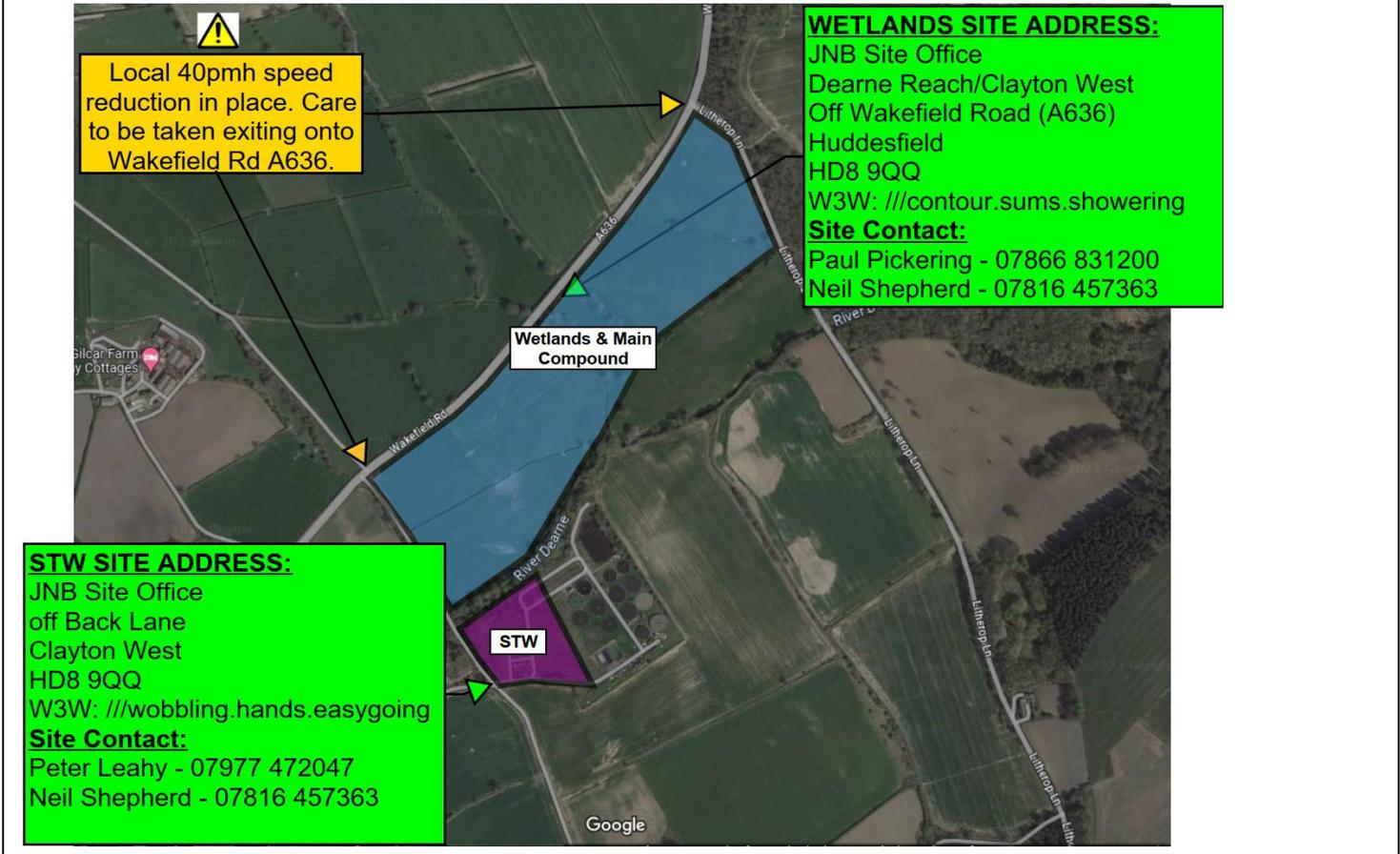




<p><b>Site Address:</b>                  Dearne Reach/Clayton West                  Off Wakefield Road (A636)                  Huddesfield                  HD8 9QQ</p>	<p><b>What3words:</b>                  Main Wetland compound:///contour.sums.showering                  Main STW compound:///wobbling.hands.easygoing</p>
---	---



**Details of the site and surrounding area:**  
 The Dearne Reach project is a manmade natural wetlands treatment works that sits in front of the main sewage treatment works (STW) at Clayton West.. The site consists of 2 separate site set ups one compound that will sit within the wetlands and the other that will sit within the Yorkshire Water STW. The concept of the project is to utilise the fields to the north of the treatment works to pump pre-screened wastewater into excavated settlement cells within the fields which will overflows between cells to hold wastewater and to treat the waste by natural methods using the settlement cells planted with waste removing reeds before being tested for water quality and discharged into the River Dearne. The wastewater will first enter the STW and go through a screening process before being pumped up to the top of the wetlands site where the water will pass through cells where the final effluent waters will be treated and the water removed of its effluent.

The works comprise of the following:

- Enabling works to provide a temporary site access of the A636 and install haul road around the site.
- Site compound set up.
- Excavation works in the wetlands.
- Installation of a new rising main and treatment cells.

The enabling works comprise of the following elements:

- Install access point off the A636 Wakefield Road
- Haul road installation and compound area

**Emergency Personnel Names and Phone Numbers**

**Emergency Response Coordinators:**


**Fire Wardens:**

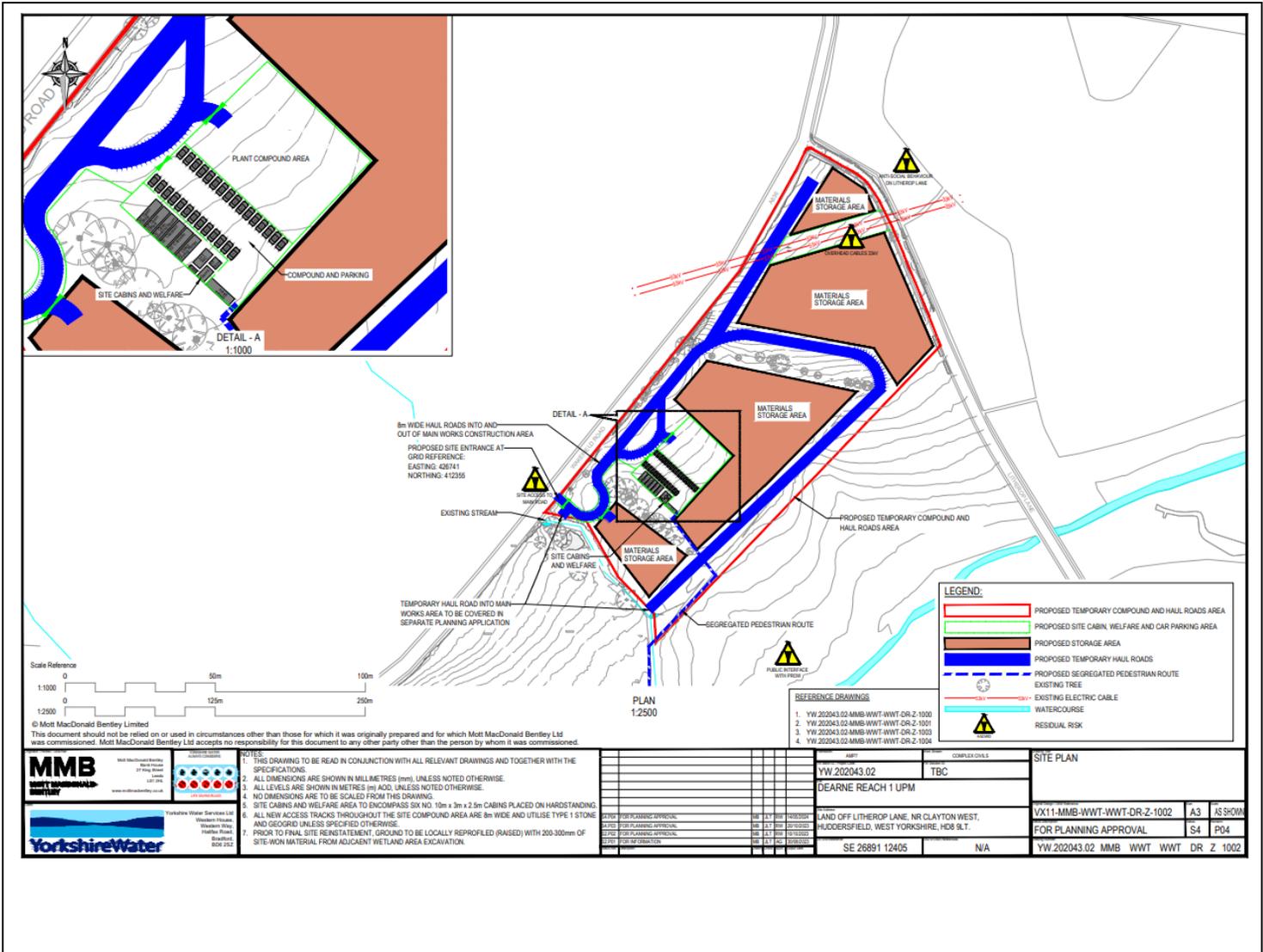
--

**First Aiders:**

--

**Location of Emergency Response Equipment & Assembly Point**

--



**3. Third Party Emergency Contact Numbers**

<b>Emergency Services</b>	999	
<b>Client Emergency Contact</b>		
<b>YWS Duty Manager</b>		
<b>YWS Project Manager</b>		
<b>Local Hospital</b>	01226 730000	Barnsley General Hospital
<b>Environmental Clean Up Contractor</b>		

**4. Emergency Reporting & Evacuation Procedure**

The following types of emergency situations may arise on this site. They must be reported immediately to the Site Manager / Foreman / Engineer by site personnel:

- Medical
- Fire

- Fuel / chemical spills
- Ecological
- Service Strike
- Drowning

**5. Fuel or Chemical Spill Emergency**

Spill Containment / Clean Up Equipment:

Equipment	Location	Quantity	
Spill kit 125L	Stores	2	
Spill kit 110L	Points around site	4	
Spill kit 30L	In back of excavators	4	
Plant nappies	Stores	4	
Plastic drip trays	Stores	6	
Drain covers	STW / Stores	8	
Oil booms	Within spill kits		
Absorbent mats	Within spill kits		
Silt fence	North of River Dearn separating site works	Various lengths ~500m	Will be installed at any point where run off could enter the river
Personal Protective Equipment (PPE)	Site office		
Hazi bags	Site compound	3	

### Emergency Response Plan

If a 'large' fuel / chemical spill has occurred:

- Immediately notify the Site Manager / Foreman / Engineer
- Contain the spill with available equipment (e.g., pads, booms, absorbent granules, absorbent material etc.).
- Secure the area and alert other site personnel. If toxic fumes are present, then prevent others from entering.
- Implement medical emergency procedure if the spillage has resulted in injury
- Site Manager / Foreman to arrange attendance of local specialist clean up company

**Cleanup contractor: ADLER & ALLAN – 0800 592 827**

- Site Manager to ensure that the incident is reported, and the root cause is identified such that recurrence can be avoided

If a 'small' fuel / chemical spill has occurred:

- Notify the Site Manager / Foreman / Engineer
- If toxic fumes are present, secure the area to prevent other personnel from entering.
- Deal with the spill in accordance with the instructions described in the MSDS / COSHH Assessment
- Ensure that appropriate PPE is worn to avoid injury during the clean up
- Site Manager to ensure that the incident is reported, and the root cause identified such that recurrence can be avoided.

All spill kits/granules etc used in the clean-up operation shall be bagged, tied and placed inside a hazi bag (located in main compound). Site Manager shall arrange for the hazardous waste to be collected by a licensed carrier.

**NOTE: FURTHER DETAILED GUIDANCE IS PROVIDED IN JN BENTLEY'S ENVIRONMENTAL EMERGENCY RESPONSE PROCEDURES – COPIES OF WHICH ARE DISPLAYED IN THE SITE WELFARE UNITS.**

6. Hazardous Substances				
Fuels and chemicals on site:				
Substance	Approx. Quantity	Location on site	Type of containment	Hazard labels
Gas oil, HVO	9000L	Site compound	Bunded fuel bowser	
Gas oil, HVO	1000L	Site compound	Bunded fuel bowser	
Petrol	20L	Site stores	Gerry can sat in a drip tray	
Adblue	100L	Site stores	Plastic containers in a drip tray	
Hydraulic & engine oil	25L	Site stores	Plastic containers in a drip tray	

## 7. Silt Pollution Prevention

### Silt Mitigation Measures

To mitigate surface runoff the following actions are to take place:

- Soils and aggregates are to be stockpiled as far away from watercourses / drainage paths as feasible.
- Stockpiles are to be sealed where feasible (subject to material type).
- Works planned during dryer months.
- Works to be planned to avoid stripping soils during heavy rainfall or when inclement weather is forecasted.
- Earthworks to be paused during inclement weather.

### Silt Control Measures

The following control measures shall be in place:

- Combination of silt fencing and soil bunds at the toe of stockpiles and raised embankments.
- Excavated soils sealed and stored away from the potential flood plane areas.
- Excavated material removed from working areas and stockpiled in material storage areas.
- Silt control measures to be checked daily for condition and silt escape. Where significant build-up of silt upstream of the bund is observed, this will be carefully, removed to not release silt towards the watercourse.
- Where silt bunds are observed to require replacement (high silt build up) they will be replaced with fresh materials.
- A stock of silt protection materials will be held on site.
- In the event of a pollution event the process detailed on the YW Reporting & Investigation Process Flow Diagram – Environment will be followed.
- Continue to review control measures as the project progresses and where applicable amend the measures to meet the site requirements.

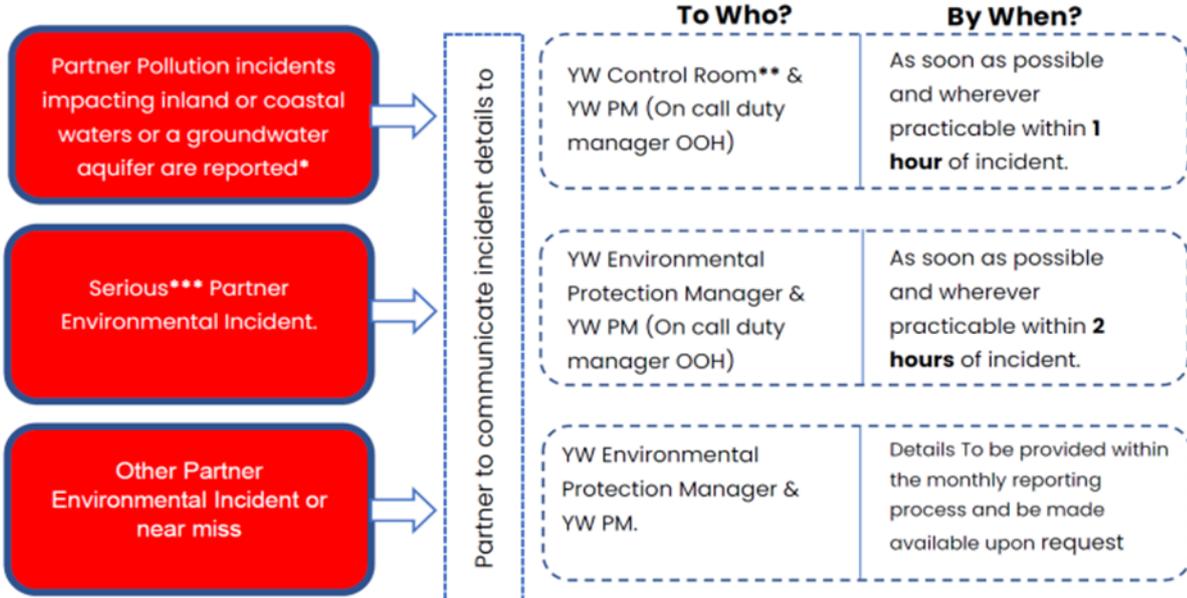
Both sides of the sites will experience surface water throughout the life of the project from rainfall. The wetlands will naturally take up the surface water as it has done before the project was in conception, as this is within open field consisting of soil and grass. The STW has surface water gully points around the site that have managed the surface water in previous years, this will continue throughout. If added water is to arise from Bentleys works either in the wetlands or the STW this will be managed accordingly to both Bentleys and Yorkshire Waters company and policy standards.

All works will be undertaken in accordance with CIRIA Report C532 (Control of water pollution from construction site: Guidance for consultants and contractors).

As the works are situated directly adjacent to the River Dearne there is potential for water contamination. Protection measures, specified in the above CIRIA Report, will be implemented prior to the construction phase to ensure that the river and waterways are protected prior to works starting. Best practice guidance such as the Environment Agency Pollution Prevention Guidelines will be consulted and followed for construction, this includes:

- Drain covers on existing drainage network;
- Use of absorbent booms on watercourses;
- All fuels and oils shall be stored in compliance with the Control of Pollution (Oil Storage) Regulations 2001;
- Fuel shall be stored in dedicated bunded, impervious storage areas at least 10m away from drains and watercourses;
- Fuel tanks shall be stored within a bund capable of holding 110% of their capacity;
- Small mobile plant shall be stored on drip trays;
- Refuelling shall be carried out only by competent persons and in line with refueling procedures;
- Suitable spill kits will be stored close to areas of highest risk for spillage, including:
- Hydrocarbon spill kits will be stored in the Scheme compound store and in vans and mobile plant on the Scheme, and will be re-stocked following use;
- A hydrocarbon spill kit of a suitable capacity will be located close to and readily accessible from the fuel storage area; and
- A chemical spill kit will be stored in the Scheme compound store.
- Spill response training will be carried out for Scheme operatives including toolbox talks / Scheme briefings, and hands-on demonstration of the use of spill kits;
- Any herbicides used to control species shall be used in accordance with Environment Agency guidelines;
- Personnel carrying out weed treatment will be suitably qualified and experienced; and
- Principal Contractors Project Manager will monitor the condition of the plant and equipment.

**Appendix 2 – YW Partners Incidents – Reporting & Investigation Process Flow Diagram – Environment**

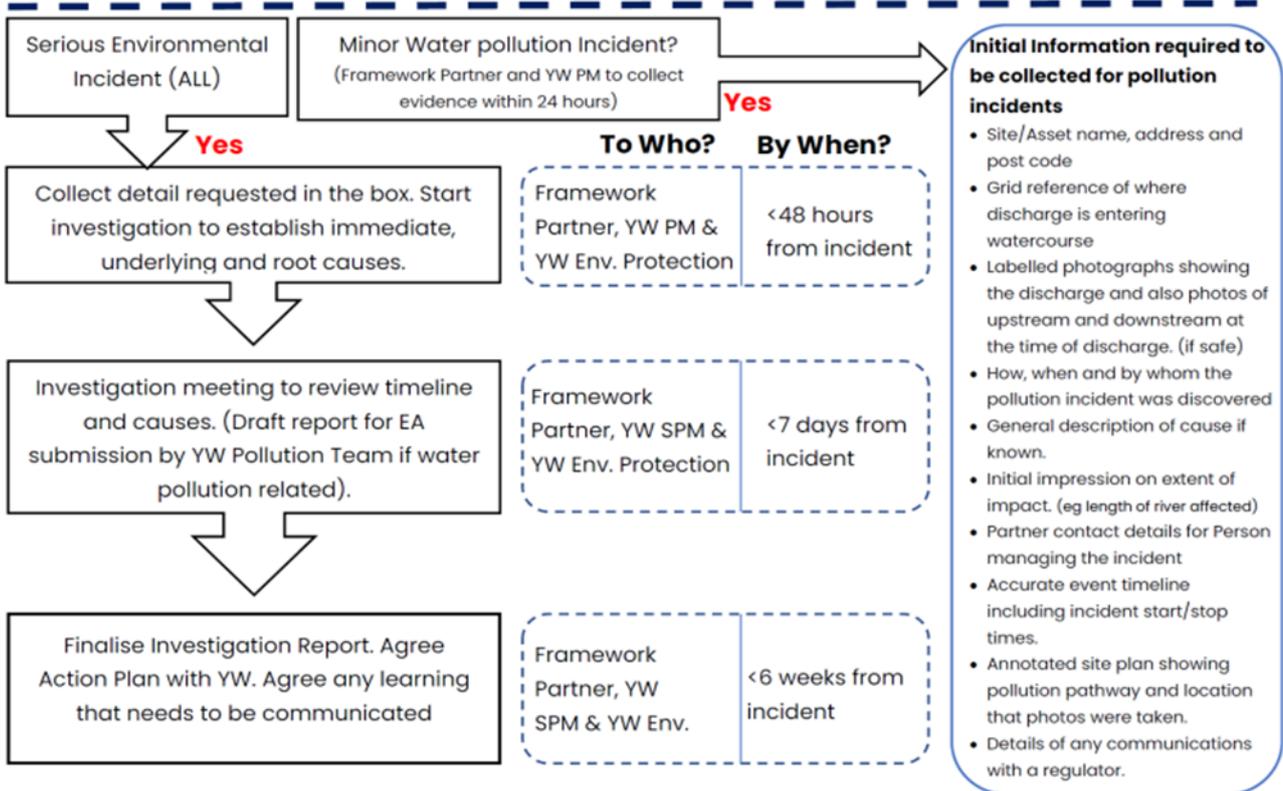


\*Use the supporting checklist for gathering evidence

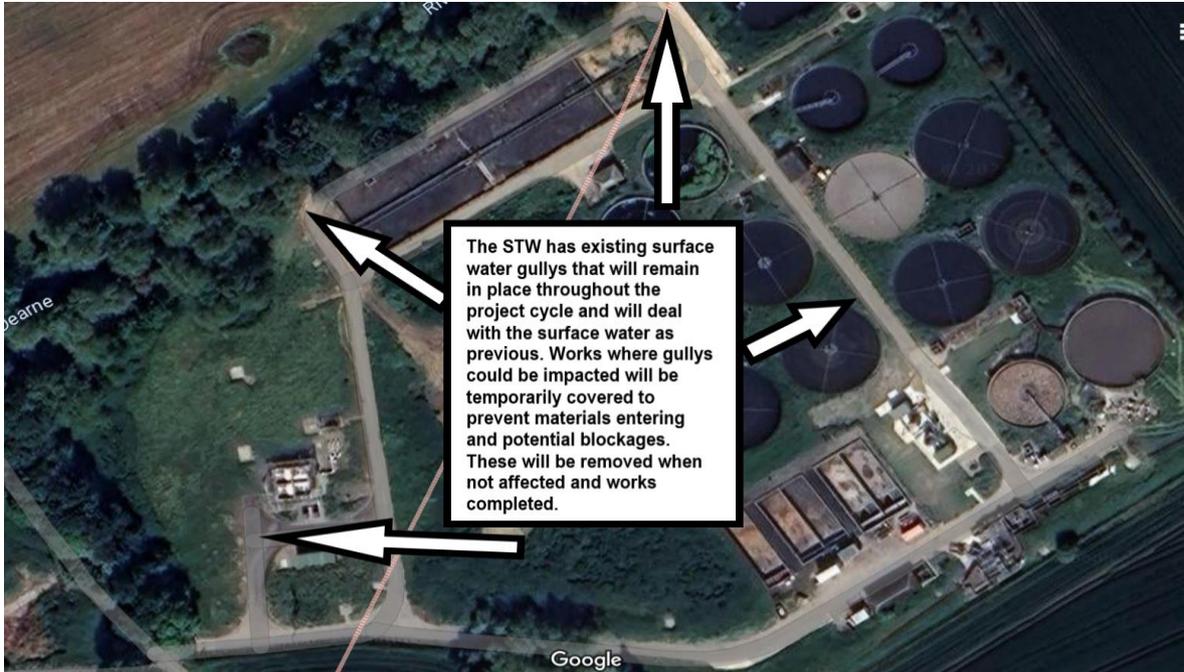
\*\*\* Major or significant impact on water. Persistent or extensive contamination of land or an incident that impacts a statutory protected site or protected species.

\*\*For water pollution incidents relating to:

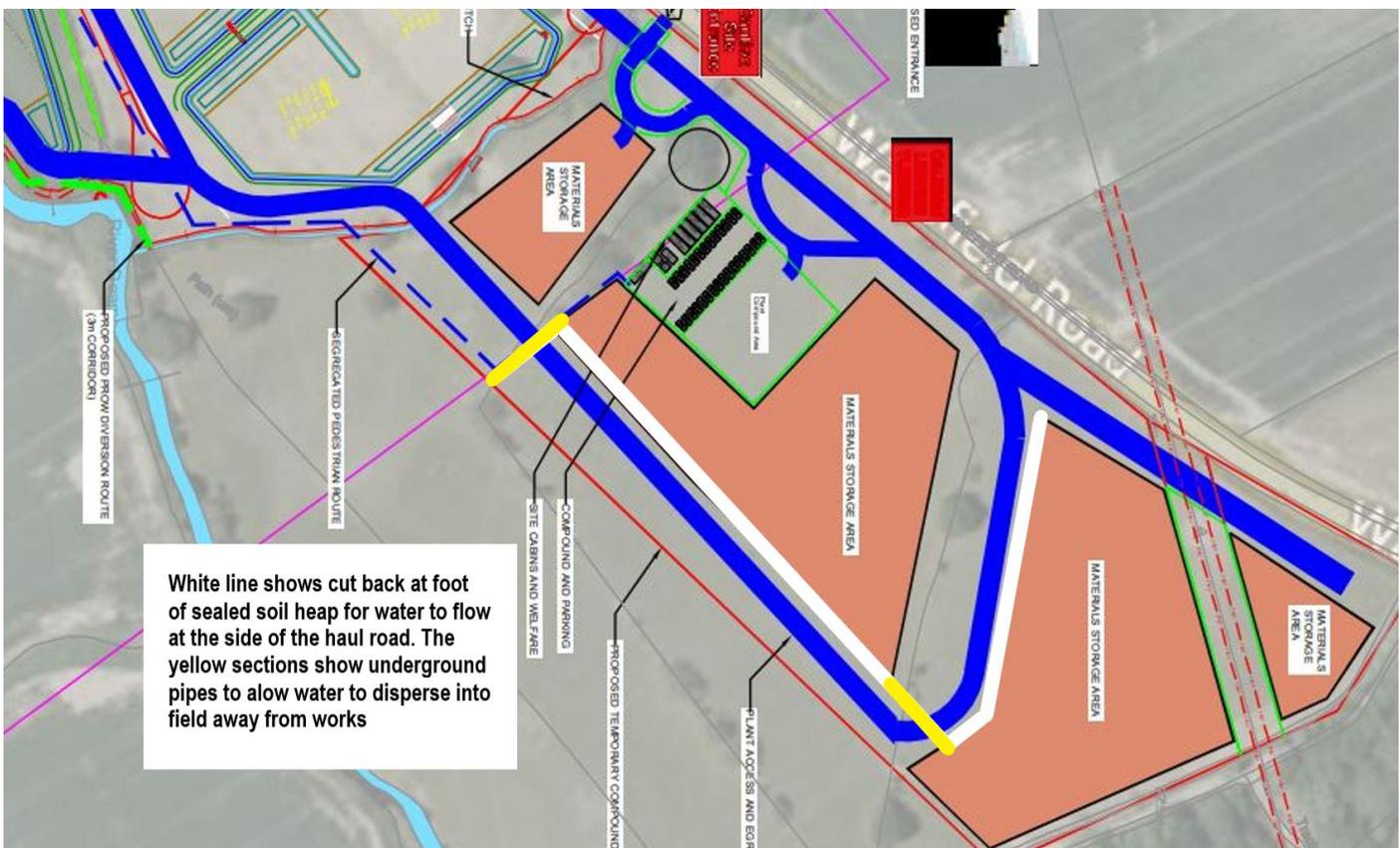
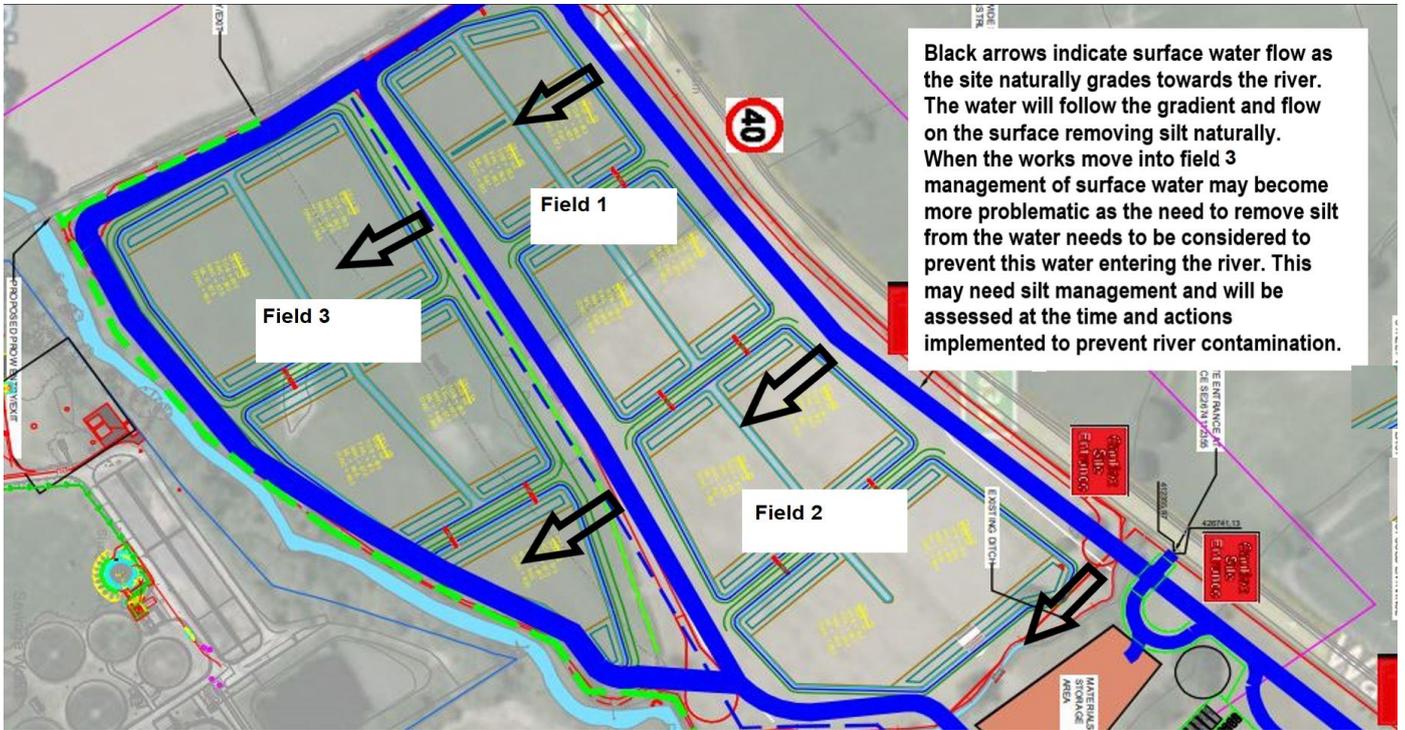
- Wastewater ring - 0333 230 9223
- Clean water production ring - 0344 902 2981
- Clean water distribution ring - 0344 902 0870



STW surface water runoff.



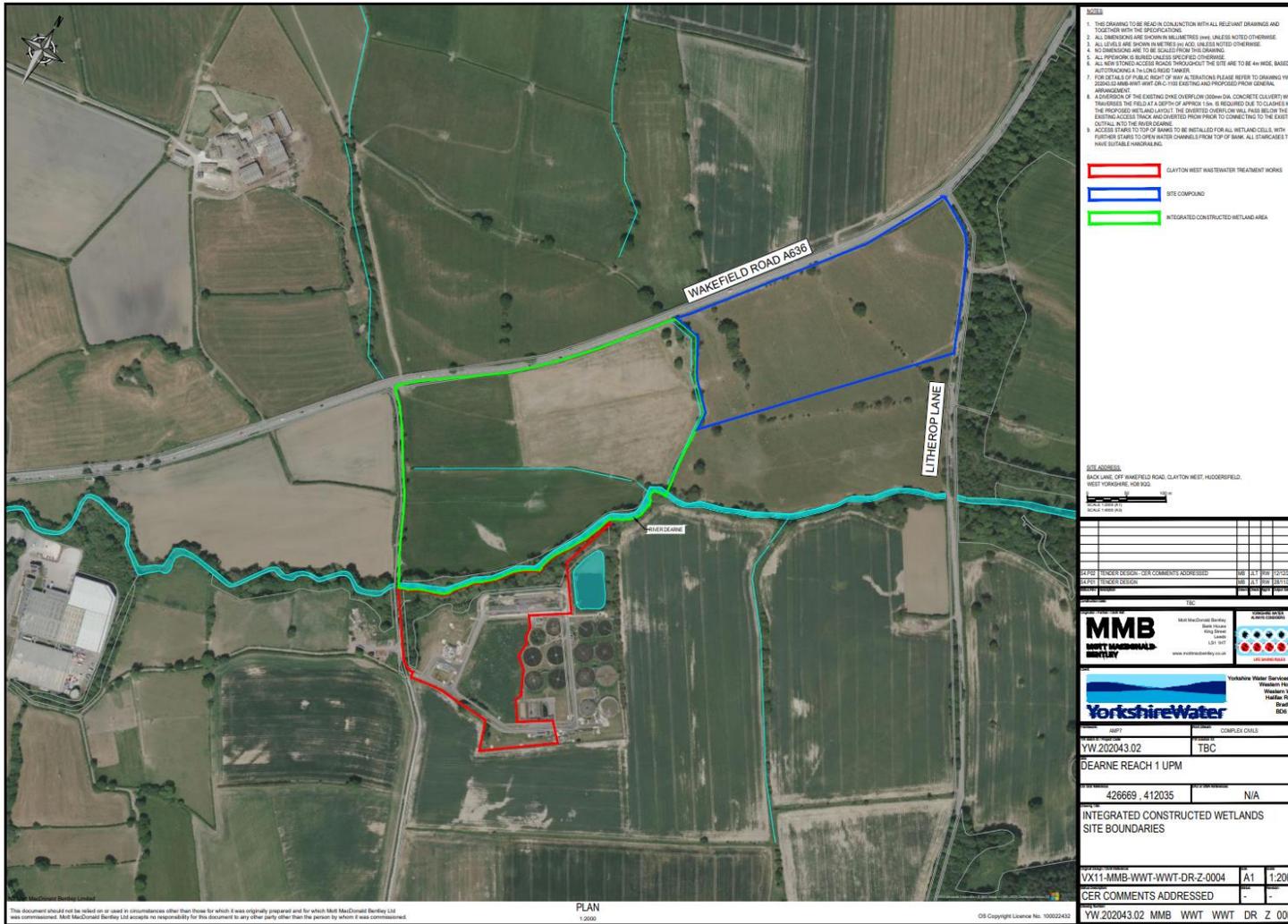
Wetlands surface water runoff





Date	Details of change to methodology / environment	Additional Hazards and Control Measures documented in RA (Sections 1 / 2 / 3) (Y / N)	Changed Approved by (sign)

# Appendix A – Location Plan





### Appendix C – Flood Risk Plan

