

## Flood Recovery Works North Locality

### Recovery and Remedial Works Completed.

#### Doncaster Council

Doncaster Road, Pickburn – De-silting of Culvert

Melton Road, Sprotbrough – Gully and Pipework Installation

Adwick Park, Adwick – Drainage Installation

Clayton Pond, Clayton – Pipework Repair and new pipework installation

Stocksbridge Lane, Bentley – New Drainage Installation

Borough Wide – Telemetry Check and Installation

Borough Wide – Grips dug into verge and inlet kerbs installed

Crabgate Lane, Skellow – Water ingress onto highway enforcement

#### Environment Agency

At many locations, EA have put temporary defences and contingency arrangements in place for all of the identified issues and will continue to inspect the temporary defences regularly until the permanent repairs are complete, and in advance of forecast high river levels.

#### Internal Drainage Boards (Danum Only)

Flood Risk Asset Management – Development of new asset management system and new maintenance plans

## Scheduled Recovery / Remedial Works

### Doncaster Council

Station Road, Askern – Renew Blocked Gully (Completed)

Caenarvon Drive, Barnburgh – Gully and pipework installation (Completed)

Daw Lane, Bentley – PFR Installation to 19 Properties

Beaumont Avenue, Woodlands – New PLR required due to surface water issues (Currently out for tender)

Moorhouse Lane, Moorhouse – Installation of New Pipework to relieve carriageway flooding

### Internal Drainage Boards (Danum)

Real time monitoring and control – Install new telemetry on 85 pumping stations in area

### Environment Agency

Downs stream St George's Bridge/Willow Bridge. Repairs as required. Estimated Completion spring 2021 but will be winter ready by end of October 2020

Right bank River Don - Asset to be surveyed to identify exact locations of low spots and repairs made to the embankment structure as required. Estimated completion Autumn/Winter 2020

Bentley Common Junction - Damage to embankment, overtopping scour, erosion. Asset to be surveyed to identify exact locations of low spots and scour. Repair embankment structure where required. Estimated completion spring 2020 but will be winter ready by end of October 2020

Downstream Rail line and opposite Mile Thorn Sidings - Damage to embankment, overtopping scour, erosion. Asset to be surveyed to identify exact locations of low spots and scour. Repair embankment structure as required. Estimated completion spring 2020 but will be winter ready by end of October 2020

Mile Thorn Sidings - Damage to embankment, historically not cleared due to access issues with third party. Asset to be cleared of vegetation, surveyed to identify exact locations of low spots and damage. Repair embankment structure as required. Estimated Completion autumn/winter 2020

River Don, downstream railway line, Doncaster - Scoured section of embankment to be cleared and repaired as required. Estimated completion spring 2020 but will be winter ready by end of October 2020.

Environment Agency (continued)

Floodwall adjacent to Volkswagen dealership, Doncaster - Damage to wall, overtopping and scouring. Wall to be inspected and damaged sections repaired. Estimated completion spring 2020 but will be winter ready by end of October 2020.

Floodwall, downstream of Arksey crossing - Damage to wall, overtopping, and scouring. Wall to be inspected and damaged sections repaired as required. Estimated completion spring 2020 but will be winter ready by end of October 2020.

Foreshore Slip, right bank River Don - Damage to the embankment, slippage of foreshore on draw down. Areas of slips to be stabilised/reinforced where possible. Estimated completion autumn/winter 2020

Grumble Hirst low spot - Low spot damage identified on the embankment during flooding, exacerbated by overtopping and cattle poaching. Survey extent of low spot. Strip back embankment and repair as required. Estimated completion autumn/winter 2020

Bentley Barrier Bank at Fowler Bridge Road (Ings Road) - Asset to be surveyed to identify exact locations of low spots along the embankment. Repair structure as required. Estimated completion autumn/winter 2020 via Bentley PS Refurbishment Scheme.

Low spot, Mile Thorn Sidings - Asset to be surveyed to identify exact locations of low spots along the embankment. Repair structure as required. Estimated completion autumn/winter 2020

Low spot, right bank River Don - Damage to the embankment, low spot, overtopping. Asset to be surveyed to identify exact locations of low spots. Repair structure as required. Estimated completion autumn/winter 2020

Right bank St Marys Bridge, Doncaster - Damage to embankment, overtopping scour, erosion. Asset to be surveyed to identify exact locations of low spots and scour. Repair structure as required. Estimated completion autumn/winter 2020

Rear of Frank Road to downstream of Conyers Road - Damage to the embankment, caused during incident and/or public activities. Repair Structure as required. Estimated completion spring 2021 but will be winter ready by end of October 2020.

River Don, opposite outfall of Bentley Ings Drain - Damage to embankment, overtopping, scour, erosion. Asset to be surveyed to identify exact locations of low spots and scour. Repair structure as required. Estimated completion spring 2021 but will be winter ready by end of October 2020.

Slip into canal, right bank River Don - Damage to the embankment, to be stabilised/reinforced where possible. Estimated completion autumn/winter 2020

Environment Agency (continued 2)

Three Horse Shoes Public House, Doncaster - Damage to wall to be investigated and structural assessment carried out to inform repair. Estimated completion spring 2021 but will be winter ready by end of October 2020.

Wheatley Hills Embankment - Erosion/scour caused by overtopping, potential low spot. Asset to be surveyed to identify exact locations of low spots and scour. Repair embankment structure as required. Estimated completion autumn/winter 2020

White Cross Siphon, Left bank embankment - Damage to the embankment caused by seepage and overtopping. Asset to be surveyed to identify exact locations of low spots. Repair embankment structure as required. Estimated completion spring 2021 but will be winter ready by end of October 2020.

River Don, opposite outfall of Bentley Ings Drain - Damage to embankment, overtopping, scour, erosion. Asset to be surveyed to identify exact locations of low spots and scour. Repair embankment structure as required. Estimated completion spring 2021 but will be winter ready by end of October 2020.

Skellow Piles - heavy veg maintenance. Extensive vegetation requires clearing to ascertain actual damage to wall. Estimated completion winter 2020

EA Beck de-silting (Skellow Piles section) - Conveyance issue identified during event - leading to premature overtopping. Channel to be surveyed to identify areas that may require de-silting. Estimated completion winter 2020.

EA Beck Triangle Railway tie-in low spots - Damage to the embankment caused by scouring around interaction with railway structures. Embankments to be raised and tied-in. estimated completion autumn/winter 2020.

Mile Thorn Bank Slip Repairs, River Don - Damage to the embankment, slippage of foreshore. Areas of slips to be stabilised/reinforced where possible. Estimated completion autumn/winter 2020

Kirk Sandall, Long Sandall Ings - Bank is critical part of defences for central Doncaster, if breached, water enters canal system with direct route to many properties. Detailed survey of sheet pile wall required to inform any repair requirement. Estimated completion spring 2021 but will be winter ready by end of October 2020.

Slip/Erosion, Ea Beck - Areas of slips to be stabilised/reinforced where possible. Estimated completion autumn/winter 2020

Kirk Sandall Sheet piles - Detailed survey of sheet pile wall required to inform any repair requirement. Estimated completion spring 2021 but will be winter ready by end of October 2020.

Bentley Ings Pumping Station Resilience Improvements - Range of measures identified during event. On site, being delivered by BIPS capital project. Estimated completion autumn winter 2020

Tilts Moat Farm Seepage - Embankment shown to leak during high waters around road bridge. Works to address leakages. Estimated completion autumn/winter 2020

## Future Proposed Flood Alleviation Schemes

### Doncaster Council

Hunt Lane, Bentley – PFR and raised defences on River Don

Frank Road, Bentley – Surveys and modelling of 250 properties

Winchester Way, Scawthorpe – Create more attenuation

River Don – Modelling Catchment

Doncaster Road, High Melton – Replace Highway Drainage

### Environment Agency

Wheatley Park Embankment Refurbishment – strategic outline case started, estimated completion 2029/2030

St Mary's Bridge Wall Refurbishments – strategic outline case started, estimated completion 2024/2025

Don Catchment Regulators – estimated completion 2022/2023

Dearne Washlands Optimisation Works - appraisal work started, estimated completion 2025/2026

Wilder Waterways in Lower Don – appraisal work started, estimated completion 2024

Upper Don Source to Sea - Nature Based Solutions Programme - appraisal work started, estimated completion 2025/2026

Middle Don Source to Sea – Nature Based Solutions Programme – appraisal work started, estimated completion 2027

Lower Don Source to Sea – Nature Based Solutions Programme – appraisal work started, estimated completion 2031

### Severn Trent Water

Holywell Crescent Braithwell – Flood Alleviation Scheme (Ongoing)