

# **Selby Area Committee**

## **26<sup>th</sup> April 2024**

### **Scientific Team Update - AQAP**



# Scientific Team!!!

**Air Quality**  
**Contaminated Land**  
**Permitting**



# Local Air Quality Management

The LAQM process places an obligation on all local authorities to regularly review and assess air quality in their areas, and to determine whether or not the air quality objectives are likely to be achieved.

Objectives contained in UK Air Quality Strategy implemented by Air Quality (England) Regulations 2000 (2002 as amended)

# Pollutants of Concern

**Particles (PM<sub>10</sub> and PM<sub>2.5</sub>) – combustion / transport / crustal / sea salt / atmospheric reactions**

**Sulphur Dioxide (SO<sub>2</sub>) – combustion of coal and heavy oil**

**Polycyclic Aromatic Hydrocarbons (PAHs) - industrial processes (coke production), transport, fires**

**Benzene – combustion processes and transport**

**1,3- butadiene – combustion of petrol, rubber manufacture**

**Carbon Monoxide – road transport, residential and industrial combustion**

**Lead - combustion of coal and also the manufacture iron and steel and non- ferrous metals**

**Nitrogen Dioxide (NO<sub>2</sub>) – Road transport**

***Ammonia (NH<sub>3</sub>) – Agricultural fertilisers***

***Ozone – complex reactions between pollutants and sunlight***

# Pollutant of Concern in NY

Nitrogen Dioxide (NO<sub>2</sub>) – **Transport!**





## **NO<sub>2</sub> Measured using Diffusion Tubes**

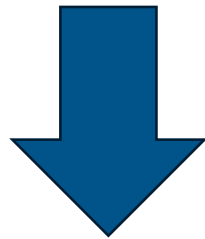
Objective:

Annual mean  $40\mu\text{g.m}^{-3}$

Tubes located according to  
Technical Guidance issued by  
DEFRA

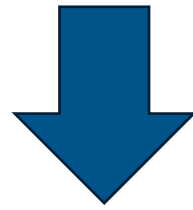
Must affect Relevant Receptor

**Objective Level Exceedence**



**Air Quality Management Area  
(AQMA)**

# **Air Quality Management Area (AQMA)**



# **Air Quality Action Plan (AQAP)**



# **7 separate AQAPs in North Yorkshire produced by former District / Borough Councils**

## **Review Required Every 5 Years**

## **The AQMAs:**

**Bond End, Knaresborough**

**York Place, Knaresborough (To Revoke)**

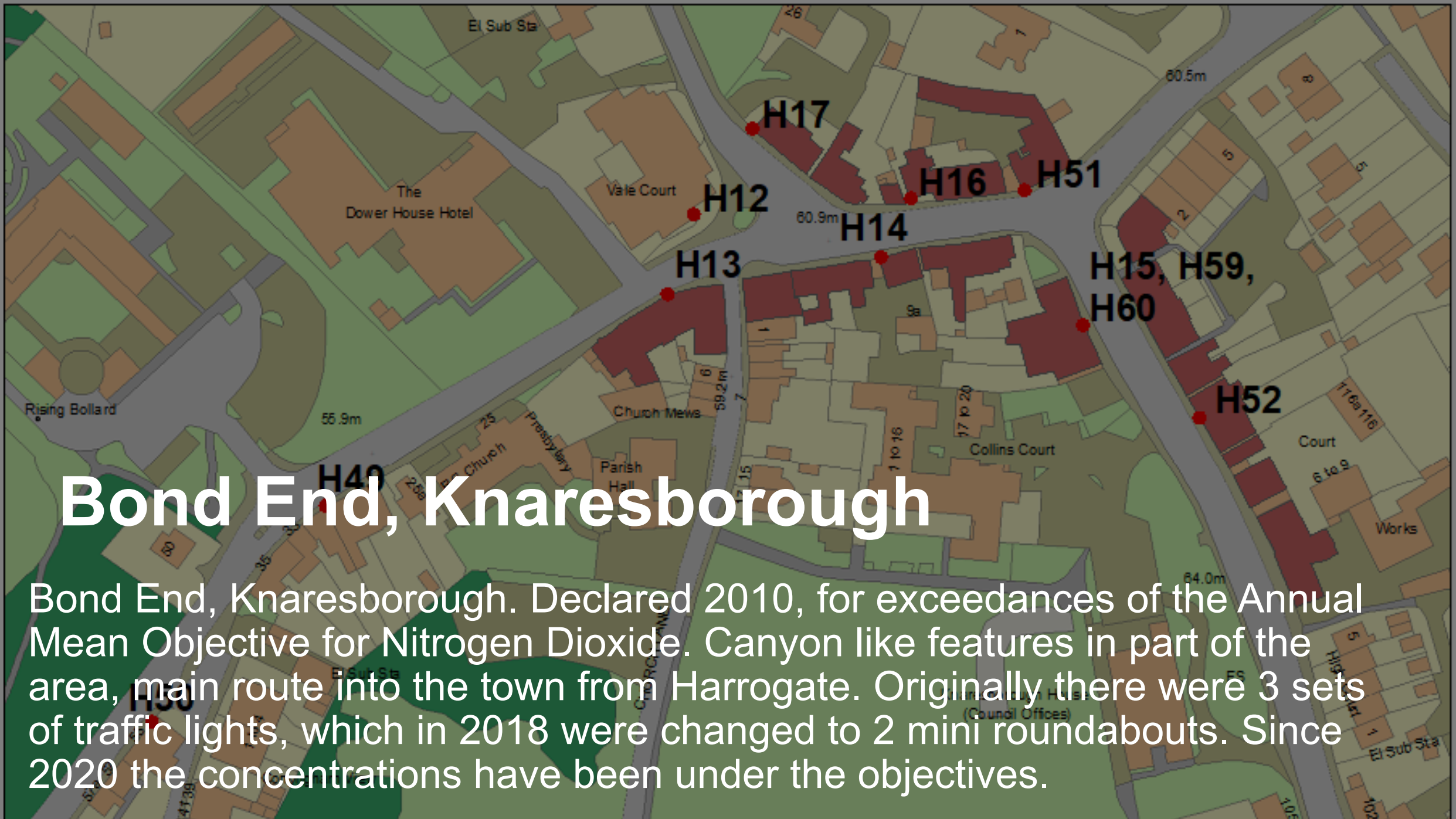
**Wetherby Road, Harrogate**

**Low/High Skellgate, Ripon (To Revoke)**

**Selby – The Crescent / New Street**

**Malton – Town Centre (To Revoke)**

**Bedale – Town Centre**

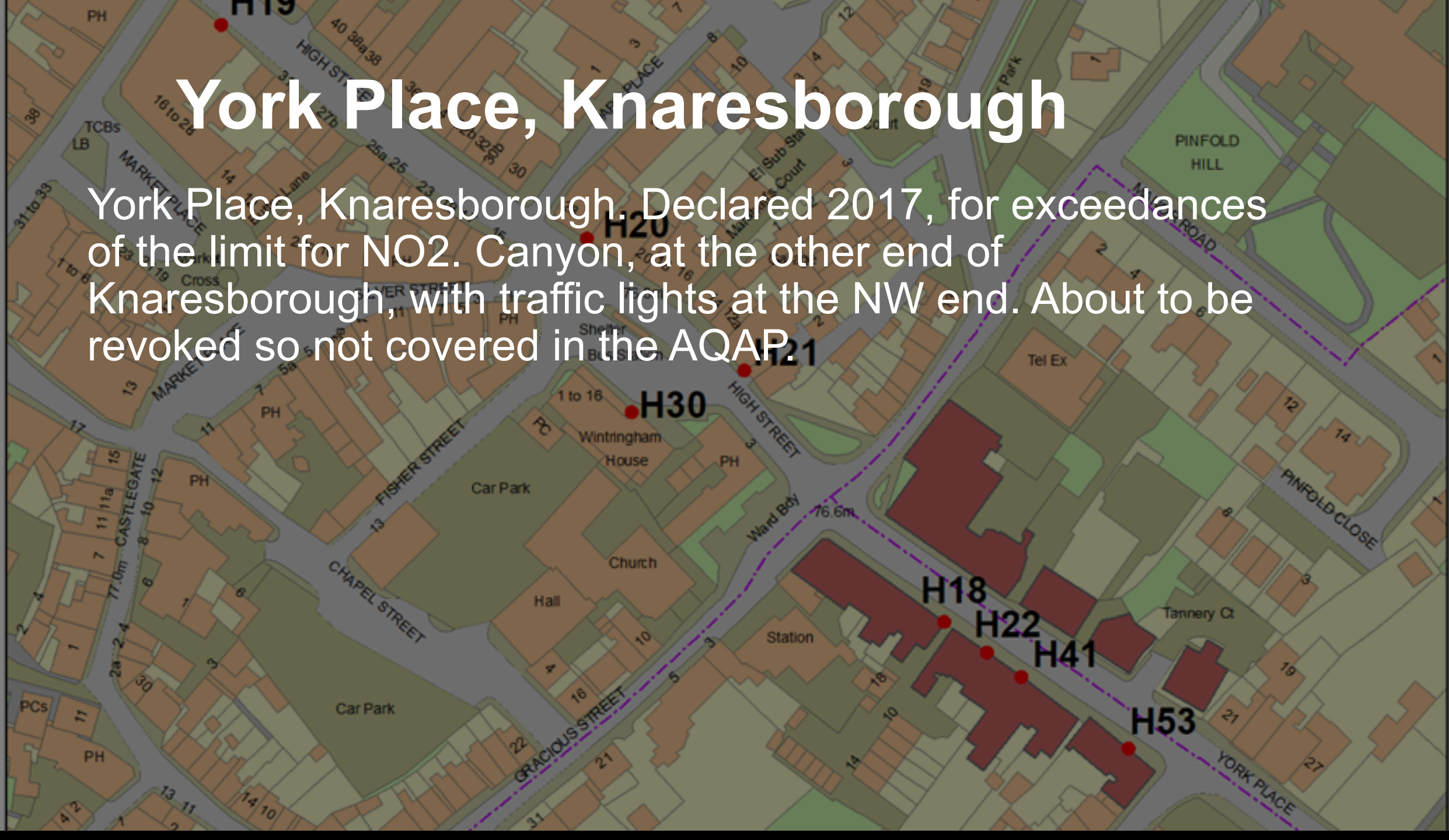


# Bond End, Knaresborough

Bond End, Knaresborough. Declared 2010, for exceedances of the Annual Mean Objective for Nitrogen Dioxide. Canyon like features in part of the area, main route into the town from Harrogate. Originally there were 3 sets of traffic lights, which in 2018 were changed to 2 mini roundabouts. Since 2020 the concentrations have been under the objectives.

# York Place, Knaresborough

York Place, Knaresborough. Declared 2017, for exceedances of the limit for NO<sub>2</sub>. Canyon, at the other end of Knaresborough, with traffic lights at the NW end. About to be revoked so not covered in the AQAP.



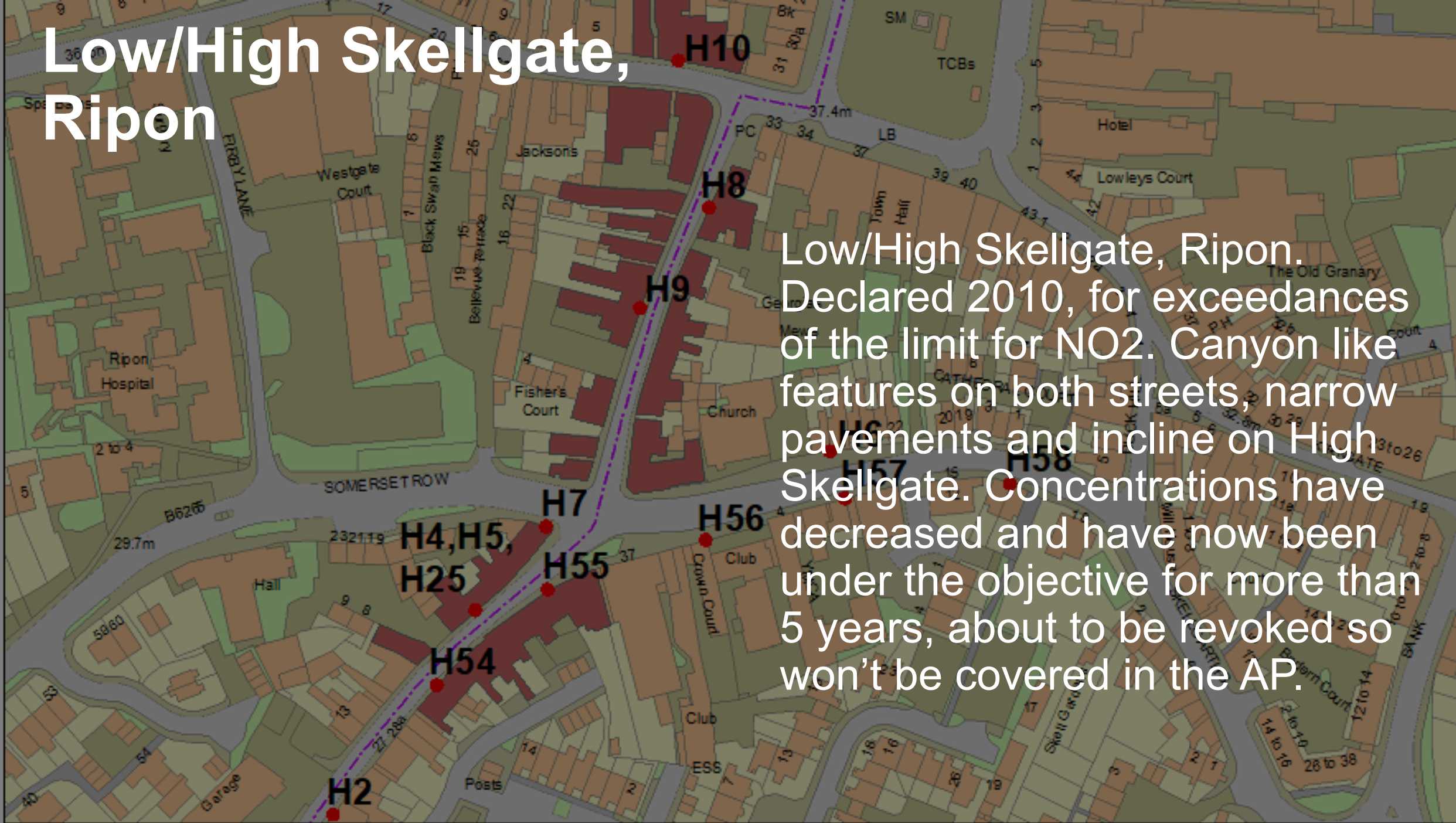
# Wetherby Rd, Harrogate



Wetherby Rd, Harrogate. Declared 2017, for exceedances of the limit for NO<sub>2</sub> at the 1st floor flat above a Pub. Concentrations increased following a change in road layout, but have since decreased to under the objective.

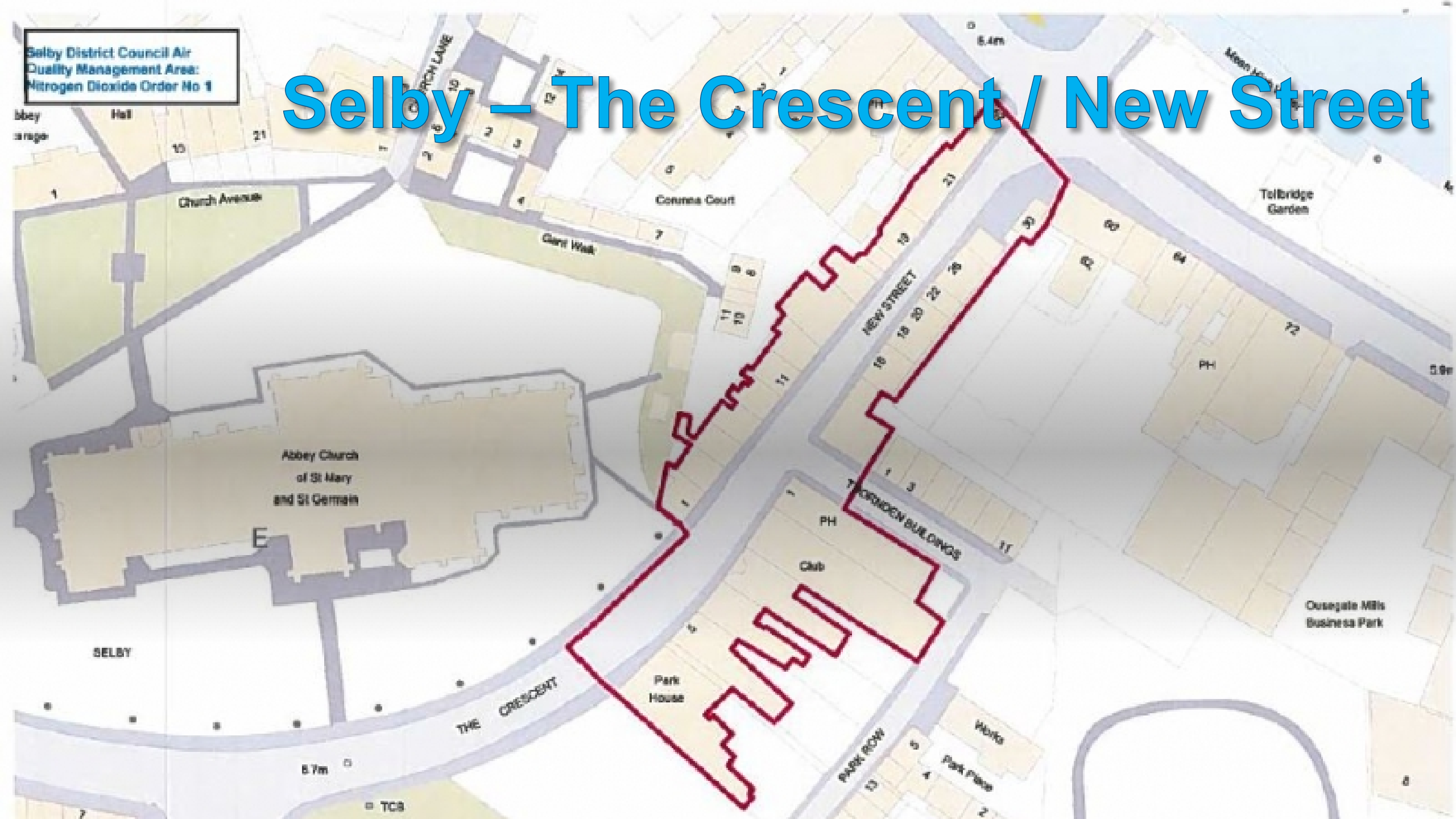
# Low/High Skellgate, Ripon

Low/High Skellgate, Ripon. Declared 2010, for exceedances of the limit for NO<sub>2</sub>. Canyon like features on both streets, narrow pavements and incline on High Skellgate. Concentrations have decreased and have now been under the objective for more than 5 years, about to be revoked so won't be covered in the AP.



Selby District Council Air Quality Management Area: Nitrogen Dioxide Order No 1

# Selby – The Crescent / New Street

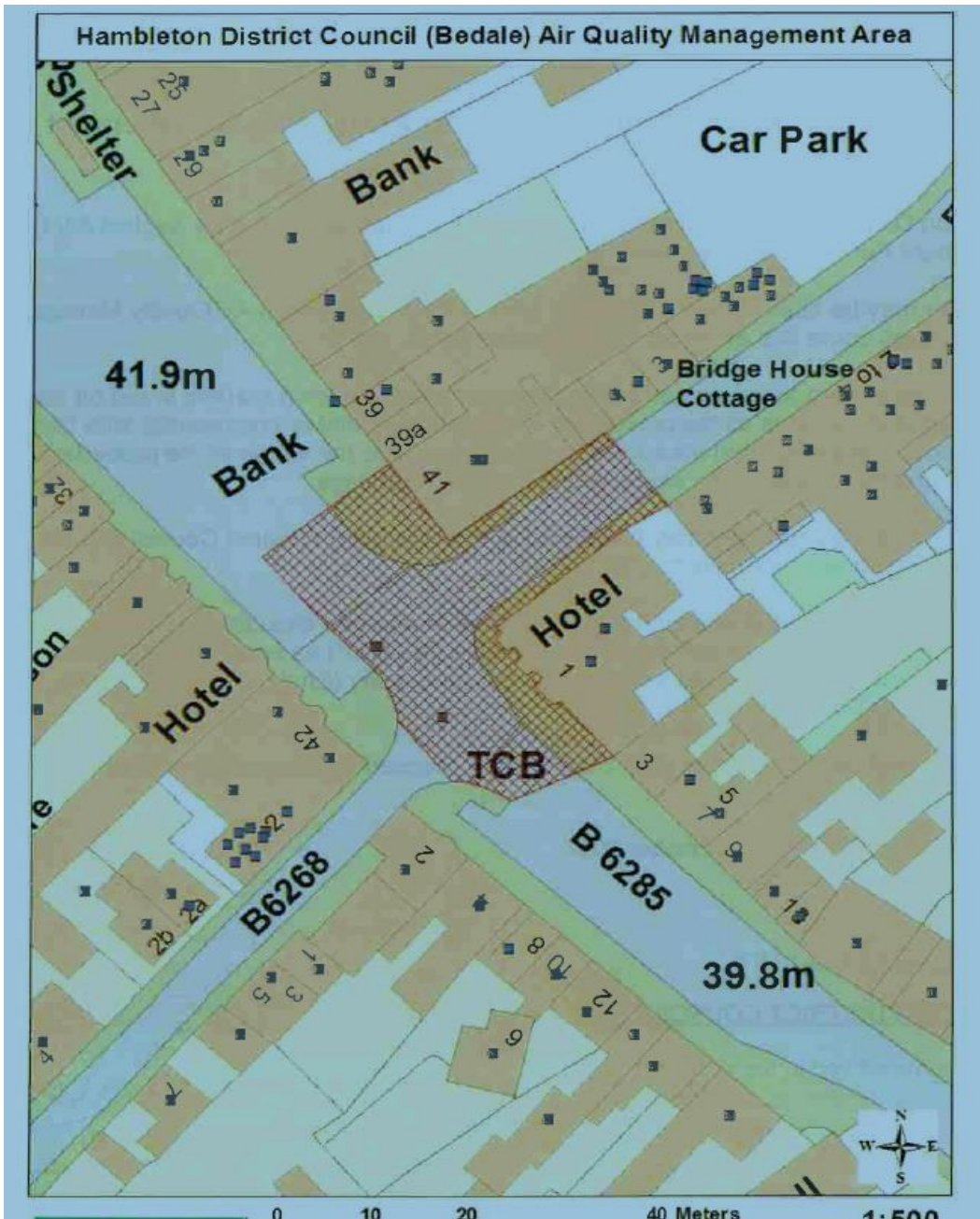




Malton

Text





**Bedale**

# **Progress and Impact of Measures to address Air Quality in North Yorkshire**

**Rely on partners to provide information**

# **Present and Future AQ Work**

## **1. Reports:**

**Draft AQAP – March 2024**

**Annual Status Report – June 2024**

**Final AQAP – September 2024**

# **Present and Future AQ Work**

## **2. Other:**

**Planning Consultations**

**Project Work With Partners**

**Health / Environmental Promotion Work**

# Environment Act 2021

Sets 2 ambitious, legally-binding targets to reduce concentrations of PM<sub>2.5</sub>:

- an annual mean concentration target for PM<sub>2.5</sub> of 10µg/m<sup>3</sup> across England by 2040
- an average population exposure reduction target of 35% in 2040 compared to a 2018 baseline

# Environment Act 2021

Local Authorities are required to work more cohesively to tackle air quality issues .....



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