

LANDSCAPE AND VISUAL EFFECTS

FOR

A628 DODWORTH RD / BROADWAY / POGMOOR RD JUNCTION IMPROVEMENT

Final – updated 15/11/2018

Wainwright
Landscape Architecture

Prepared by
Wainwright Landscape Architecture
6 Lindale Lane
Wrenthorpe
Wakefield WF2 0PN
Tel (01924) 381256

E-mail : info@wainwrightla.co.uk

On behalf of
Barnsley MBC

Contents

1. Introduction

2. Description of the Proposed Development

3. Scope of the EIA and Methodology

4. Baseline Conditions

5. Landscape Effects

6. Effects on Visual Amenity

7. Effect on All Travellers

8. Mitigation of Landscape and Visual Effects

9. Summary

Appendix A – Landscape and Visual Assessment Tables

Table 1 Landscape Effects - Schedule of Receptors
Table 2 Visual Effects - Schedule of Sites and Properties
Table 3 View from the Road - Vehicle Traveller Assessment

Appendix B - Figures and Illustrations

01 Local Context
02 Aerial Photograph
03 Landscape and Planning Context
04 Visibility -Viewpoint Locations
05 General Layout HD/7122127/C/1 Rev A
06A Mitigation of Landscape and Visual Effects – Penny Pie Park
06B Mitigation of Landscape and Visual Effects – Pogmoor Recreation Ground

Photographic Viewpoints – Viewpoints 1 to 40

Appendix C – Methodology

1. Introduction

1.1 Overview and Applicant

1.1.1 Barnsley Metropolitan Borough Council is proposing to submit a planning application for junction and highway improvements on the A628 Dodworth Road / Broadway/Pogmoor Road junction. The proposed scheme is located between the M1 Junction 37 and the Horizon Community College and will consist of carriageway realignment, widening of existing roads and the formation of a new gyratory route within Penny Pie Park.

1.1.2 The proposed scheme will:

- reduce existing traffic congestion at the Dodworth Road / Broadway /Pogmoor Road crossroads junction
- prevent queuing traffic on all roads leading to the existing junction.
- Improve access to the M1 at junction 37
- Improve air quality by reducing queuing standing traffic
- accommodate additional traffic generated following recent development at Horizon Community College and improve access to the college.
- consider future predicted traffic

1.1.3 The proposed alignment and relationship between new and existing sections of carriageway is shown in Figure 5 Outline Highway Design.

1.2 Scope of the Report

1.2.1 This report will assess the likely significant effects of the proposed development on the landscape and visual amenity. It aims to provide a sufficiently detailed assessment of the landscape and visual issues in order to determine the impacts of the development and to propose suitable mitigation measures where appropriate.

1.2.2 The assessment will consider the physical landscape, the character of the landscape, and the visual amenity of identified receptors within the study area. This assessment will also be informed by a BS5837:2012 Tree Survey.

1.2.3 All on-site assessment was undertaken from publicly accessible areas. Where an assessment of the effects on residential, or other private, property is indicated this is estimated based on the nearest access point.

2. Description of the Proposed Development

2.1 The Application Site

2.1.1 The site is situated to the west of Barnsley town centre on the existing A628 Dodworth Road / A6133 Broadway/Pogmoor Road crossroads and extends into Penny Pie Park to the north-east side.

2.1.2 To the west of the site along the A628 Dodworth Road is Junction 37 of the M1 motorway, then the settlement of Dodworth and Capitol Park employment site.

2.1.3 To the south of the site is Broadway, a main arterial route bordered on both sides by established housing. Pogmoor Road runs north towards the residential area of Pogmoor.

2.1.4 The A628 Dodworth Road is the main road heading east into Barnsley town centre. For most of its length between the M1 and the town centre this road is also bordered by established housing.

2.1.5 Just to the south side of the site is Horizon Community College.

2.1.6 The application site is approximately 6ha and comprises land at the existing A628 Dodworth Road / A6133 Broadway/Pogmoor Road crossroads and the adjoining green space area associated with Penny Pie Park.

2.1.7 Penny Pie Park is bounded by the Barnsley to Huddersfield railway line to the north side, with Pogmoor Recreation Ground beyond.

2.1.8 A multi-use games area (MUGA) is located within Penny Pie Park and existing trees and planting generally screen and filter local views across the area. The existing road network has footways to each side and there are further footpaths within the park.

2.1.9 The A628 Dodworth Road, A6133 Broadway and C785 Pogmoor Road are public highways maintainable at public expense.

2.2 The Proposed Development

2.2.1 Details of the highway layout are illustrated in Figure 5 Outline Highway Design. Details of landscape and greenspace enhancements within Penny Pie Park and Pogmoor Recreation Ground are Illustrated in the Greenspace Appraisal Options 1 – 3 (See separate study, 'Dodworth Road Gyratory Greenspace Appraisal, Aecom, June 2018). Key components consist of:

- The realignment and upgrade of Dodworth Road / Pogmoor Road.
- The creation of a new road through the existing green space, from Pogmoor Road railway bridge to a new junction on Dodworth Road.
- The closure of existing Pogmoor Road at its junction with Dodworth Road
- The creation of a new access for the closed section of Pogmoor Road linking into Whitehill Avenue with access onto the revised Pogmoor Road.
- The provision of new signalised pedestrian crossing facilities at Broadway junction, Dodworth Road-new road junction, Pogmoor Road- new road junction and Horizon Community College junction.
- the creation of a new access to Horizon Community College
- The construction of new a new highway drainage system;
- The erection of new energy saving street lighting
- A new combined footpath / cycleway
- Landscape enhancements for any loss of existing planting within Penny Pie Park.
- Construction of a new Multi Users Games Area (MUGA) to compensate for the loss of the existing MUGA.

- Relocation the existing emergency services helicopter landing area.
- Re-design and renovation of Penny Pie Park to provide a new park layout that incorporates all existing facilities in a coherent, easily used and attractive manner, with additional features to upgrade the park. The intention is to maintain connectivity for users, and to offset the loss of trees through new tree planting.
- Upgrading of Pogmoor Recreation Ground with a formalised footpath linking the two entrances, benches, and tree planting.

2.2.2 The scheme is designed to follow the existing ground contours where possible or on minimum embankment. Most of the scheme would be phased and constructed off-line to minimise disruption to existing traffic flows during the construction period.

2.2.3 Key Construction Activities would include:

- Site establishment, tree protection, selective vegetation clearance and preparation
- Establishment of Contractor's site compound
- Temporary diversions and temporary access restrictions
- Site stripping, levelling and earthworks
- Construction of the new carriageways
- Use of generators, machinery and temporary lighting
- Construction vehicle movements for the import / export of material
- Stockpiling of waste and storage of material
- Restoration of landscape and temporary use areas
- Installation of new Traffic Signals
- Installation of new Street Lighting
- Installation of directional & regulatory signing

3. Scope of the LVIA and Methodology

3.1 Methodology

3.1.1 The assessment of landscape and visual effects was undertaken using methodology developed from current published best practice. This Includes:

- Design Manual for Roads and Bridges, Volume 11, Section 3 Part 5 Landscape Effects, Highways Agency, 1993 (as amended);
- Guidelines for Landscape and Visual Impact Assessment 3rd Edition, Landscape Institute and Institute of Environmental Management and Assessment, 2013;
- Landscape Character Assessment – Guidance for England and Scotland, Countryside Agency and Scottish Natural Heritage, 2002.

3.1.2 A baseline assessment was then undertaken to establish existing conditions. The desk based assessment reviewed currently available information on the landscape, designated areas and identified potential visual receptors. The regulatory framework and current landscape policy at a national and local level was also reviewed.

3.1.3 In accordance with GLVIA3, the importance of landscape and visual effects is not absolute and whilst a judgement is made on both the overall sensitivity of each identified receptor and the magnitude of change, the conclusion is based on professional judgement of the assessor.

3.1.4 Using the above guidance and information gathered in the baseline assessment, the assessment of effects is based on:

- Sensitivity of landscape and visual effects are judged on a sliding scale of High; Medium; Low; Negligible.
- The magnitude of landscape and visual effects are judged on a sliding scale of High; Medium; Low; Negligible.
- The importance of landscape and visual effects is a function of sensitivity of the landscape resource and visual receptor against the magnitude of change that they would experience on a sliding scale of Major; Moderate; Minor; Negligible.

3.1.5 The assessment considers impacts during operation in the Opening Year and the Design Year 15 years after opening when landscape mitigation and planting can be expected to be established and performing any character or screening function. Potential impacts during the construction phase are also highlighted in the assessment text where relevant.

3.1.6 It is acknowledged that visual effects will vary according to the season based on the extent of vegetation cover. The assessment at all stages is based on the worst case scenario when vegetation is not in leaf.

3.1.7 An assessment of the effect of the proposals on travellers has also be carried out alongside the assessment of landscape and visual effects, and follows DMRB Volume 11, Section 3, Chapter 8 Pedestrians, Cyclists, Equestrians and Community Effects, and DMRB Volume 11, Section 3, Chapter9 Vehicle Travellers.

3.1.8 Information was gathered through field surveys undertaken at the same time as the wider landscape and visual assessment.

3.1.9 No survey has been carried out to establish the level of usage of public rights of way in the study area. This means that the number of people potentially affected by changes arising from the scheme cannot be accurately predicted

3.1.10 Following an initial assessment of the baseline, primary mitigation measures (e.g. retention of vegetation and new planting) were imbedded into the design of the development proposals. These measures are identified in the description of the development and the assessment of landscape effects is based on the final submitted scheme.

3.2 The study area

3.2.1 The study area is based on an initial extent of 1km from the centre line of the road. This distance is considered sufficient to account for the likely landscape and visual effects of the proposed scheme. This initial extent was amended once the extent of visibility has been checked during the baseline assessment and on-site observations.

4. Baseline conditions

4.1 National landscape character

4.1.1 The site is located on land rising gently above the broad Dearne valley near the western edge of the Barnsley settlement area. It lies within National Character Area 38 – Nottingham, Derbyshire and Yorkshire Coalfield. Key Characteristics for NCA 38 that are relevant to the study area are

- *A low-lying landscape of rolling ridges with rounded sandstone escarpments and large rivers running through broad valleys, underlain by Pennine Coal Measures*
- *A mixed pattern of built-up areas, industrial land, pockets of dereliction and farmed open country.*

4.1.2 The Barnsley Borough Landscape Character Assessment identifies six Landscape Character Areas. The site lies within Landscape Character Area E2: settled, wooded farmland.

4.2 District landscape character

4.2.1 Key characteristics of the Settled Wooded Farmland that are relevant to the study area include:

- *Gently rolling landform sloping towards the Rivers Dove and Dearne.*
- *Diverse range of land use, including agriculture, recreation, residential, industry, communication and landscape renewal.*
- *Dominant presence of urban development.*
- *Traditional mining settlements lie within the character area - Dodworth, Barugh, Barugh,Green, Higham and Barnsley.*
- *Evidence of past and present industrial activity due to presence of reclaimed tips and working warehouse units on settlement edges.*

4.2.2 Lying firmly within the urban development, many of the characteristics of the Settled Wooded Farmland are not evident within the study area.

4.3 Landscape character of the study area

4.3.1 The local landscape character is defined by a mix of housing, largely from the 1940's to the present day, with pockets of industry, schools, small greenspaces used largely for recreation, and allotments. Road infrastructure plays a dominant role in defining local landscape character with Dodworth Road forming a major route from the M1 at junction 37 to the centre of Barnsley. Other secondary routes form a network with Dodworth Road to access all parts of the city. These secondary roads are often lined by grass verges and trees. Broadway is a good example. A range of schools in the study area contribute green space as well as built features. The new buildings and well planted grounds of Horizon College on Dodworth Road has a strong influence of local townscape. Penny Pie Park provides an important area of greenspace in a densely urban area, typically surrounded by urban development. Its mature perimeter trees deliver a foil for the more urban elements. Despite the range of land-uses that include small parks and tree-lined road verges, the local character is dominated by the busy road network amongst a disparate mix of residential and industrial buildings.

4.4 Landscape sensitivity

4.4.1 Landscape sensitivity is a measure of the landscape's ability to accommodate change without detriment to its character. The study area is a dense mix of mainly urban land-uses where it will not be sensitive to further development of a type and scale similar to that already present in the landscape. However, it could be sensitive to changes that significantly alter the balance between open space and built elements. This balance is currently weighed in favour of built elements. Landscape sensitivity to change is assessed as ***low.***

5. Landscape Effects

To be read in conjunction with Table 1, Landscape Effects - Schedule of Receptors.

5.1 Receptors

5.1.1 The following landscape receptors have been selected for detailed landscape assessment:

- Topography and drainage.
- Trees and woodland
- Local townscape
- Horizon College grounds
- National Character Area 38, Notts, Derbys and Yorks Coalfield
- Barnsley Borough Council Landscape Character Assessment Area E2: Barnsley Settled Wooded Farmland
- Penny Pie Park
- Pogmoor Road Recreation Ground
- Green space network
- Setting of Listed milestone on Dodworth Road, outside Horizon College
- Night time and v
- Visual amenity

5.1.2 For each element the effect of the completed works in the opening year and the effects after 15 years are assessed.

5.2 Effects on topography and drainage

5.2.1 Landform varies little across the study area apart from a very gentle slope towards the river Dearne. It is not a distinctive feature of the landscape character and is almost unnoticeable amongst the range of differing land-uses, with the exception of occasional minor features, where landform has been engineered for specific purposes such as the railway cutting or the level playing fields for the College. Drainage is largely confined within underground pipelines and does not contribute significantly to landscape. Due to the weak role of topography and drainage in determining of landscape character and the relative strength of built features in the landscape they will have a ***low*** sensitivity to change.

5.2.2 The proposals will follow existing topography and will be drained using the surface water scheme similar to the existing road drainage. The magnitude of change to topography and drainage is assessed as ***negligible***.

5.2.3 A combination of a ***low*** sensitivity and ***negligible*** magnitude will result in a ***negligible*** effect on topography and drainage both in the opening year and 15 years after opening.

5.3 Effects on trees and woodland

5.3.1 Groups of trees and individual trees within Penny Pie Park and within road verges form an important landscape feature on the Dodworth Road approach to Barnsley town centre. They effectively enclose the park, forming a good separation between Dodworth Road, (and to a lesser extent Pogmoor Road), and the busy road network. More generally they form a good natural counterbalance to the road network and built features of the landscape.

5.3.2 The loss of statuesque trees in road verges or in isolated positions within parkland will have a greater effect on general tree cover and landscape character than limited removal of trees that form part of a group. Individual larger trees have a high sensitivity to change, whereas individual smaller trees within groups will be less sensitive. On balance, and as there are relatively few trees of individual note in the study area, the tree cover is judged to have a ***medium*** sensitivity to change.

5.3.3 The proposals will result in the loss of approximately 75 trees largely from the boundary trees around Penny Pie Park. In some areas the loss will involve removal of whole sections of the boundary tree feature, but in others the loss will involve the removal of outer parts of the tree belt only, leaving those behind the boundary trees intact. Whilst there are areas where the magnitude of change will be high, for example the existing road junction and the two new junctions of the proposed gyratory, in other parts the magnitude of change will be lower due to the presence and retention of other trees within the tree belt. The proposals include new tree planting around these boundaries that will in time replace the role of the current trees in the townscape. In the meantime, the trees that will remain along the park boundaries and just within it are likely to develop quickly due to lack of competition for light from the perimeter trees.

5.3.4 The magnitude of change is assessed as ***medium.***

5.3.5 A combination of a ***medium*** sensitivity with a ***medium*** magnitude of change will result in a ***moderate*** **adverse** effect on trees and woodland in the opening year due to the general reduction in a valuable landscape resource. As newly planted trees, and older trees previously suppressed within groups, grow and develop the effect will be reduced to ***minor adverse*** 15 years after opening.

5.4 Effects on local townscape

5.4.1 The local townscape is one of a somewhat confused intermingling of busy roads, rail corridor, housing of varying ages, density and styles, small scale industry, and small greenspaces. This dense mix of assorted urban land-uses will not be sensitive to further development of a type and scale similar to that already present, although it could be

sensitive to changes that significantly increase one element above others. Overall the landscape sensitivity to change is assessed as ***low***.

5.4.2 The effect of the proposals on local townscape will largely result from tree loss around the perimeter of Penny Pie Park and the increase in road intensity in the area. The substantial trees around the park, along Dodworth Road and Pogmoor Road, contribute significantly and positively to the local townscape. They are of value as green, vertical elements within a hard landscape of roads and buildings, vehicles, lighting, and signs that all contribute more strongly to this urban landscape. Although there will be a reduction in the numbers of trees along the road edges there are trees behind those on the frontage that will remain and continue to form a belt of trees, albeit less dense. This is particularly the case on Dodworth Road, but less so alongside Pogmoor Road, where some landmark trees such as the old weeping willows will be removed. The proposed increase in physical area covered by roads is moderate within the study area, but high within the immediate vicinity of the new road. As well as an increase in road surface, with associated signage and lighting, there will be a change to traffic movement and intensity. Overall the magnitude of change is assessed as ***low-medium***.

5.4.3 The aim of the proposals is to provide more freely flowing traffic and avoid stationery queues on Dodworth Road and Pogmoor Road. This will have a small, but positive effect on local townscape that will counteract the larger negative effect of an increase in road area and on loss of tree groups that are important in the local landscape and in providing a 'green' approach to Barnsley for visitors. The low sensitivity and medium magnitude of change results in an ***minor-moderate adverse*** effect on local townscape in the opening year of the scheme. After 15 years the effect of tree loss on local townscape will be almost unnoticeable as new trees mature and older trees develop further in density and stature. However, the small intensification of roads in the area leads to a continued ***minor adverse*** effect on local townscape.

5.5 Effects on Horizon College and grounds

5.5.1 Horizon College is a relatively large scale building set back from Dodworth Road behind a large area of car park with a bus stopping and turning area. Substantial, but immature trees and shrubs soften the urban aspect of the college environment.

5.5.2 As the college is a large feature set within its own grounds it will not be highly sensitive to small scale change, particularly changes involving land-uses that are already present in the area. However, as for the overall study area, it will be sensitive to larger scale development that change the balance of urban and soft elements. On balance the sensitivity of Horizon College and grounds is assessed as ***medium***.

5.5.3 The outlook for the College is over Dodworth Road on to the perimeter trees of Penny Pie Park. Immediately opposite the College a section of this tree belt will be removed, to accommodate the new junction of the gyratory road with Dodworth Road. This will result in a more open frontage to the College, although most of the grounds and college building itself will be unaffected. The magnitude of change is assessed as ***low***.

5.5.4 A combination of ***medium*** sensitivity with a ***low*** magnitude of change results in a ***minor*** effect. The negative effect of tree loss within the vicinity of the college frontage is counterbalanced by the reduction of standing traffic outside the college the overall effect will be ***negligible*** at the completion of the scheme. As the proposed new trees develop the effect will be reduced and the overall effect of the proposals after 15 years is also assessed as ***minor - negligible.***

5.6 Effects on National Character Area 38, the Nottinghamshire, Derbyshire and Yorkshire Coalfield

5.6.1 The broad scale of the NCA means it will not be sensitive to change of the relatively small scale proposed. Although some of the more open, rural parts of NCA 38 are sensitive to change, particular where the rural agricultural land pattern meets the urban fringes of settlements, the proposals and study area are entirely within an urban part of the NCA and will have a very ***low*** sensitivity to change.

5.6.2 The magnitude of change in relation to the broad scale of the NCA is almost unnoticeable, therefore assessed as ***negligible***.

5.6.3 The combination of a low sensitivity and negligible magnitude of change results in a ***negligible*** effect of the proposals on the NCA 38

5.7 Effects on Barnsley Borough Council Landscape Character Assessment Area E2: Barnsley settled wooded farmland

5.7.1 Barnsley Wooded Farmland is a mixture of agriculture, recreation, residential, industry, communication and landscape renewal. It is of little recognised value and this, along with the diverse nature of land uses, means it is not very sensitive to change. In the study area the sensitivity to change is particularly low due to the mixed urban nature of the landscape character. Changes of a similar scale and nature to those already present will be accommodated without detriment to landscape quality. Its sensitivity is assessed as ***low.***

5.7.2 The proposals will introduce a small intensification to a road network that is already dense within the study area and will be a relatively low magnitude of change. The loss of trees will confer a greater magnitude of change as it is a reduction in an element that is already under threat, but when considered across the Barnsley Wooded Farmland area it is also of very small scale. The magnitude of change is assessed as ***low.***

5.7.3 The effect of the proposals on Barnsley settled wooded farmland is assessed as ***minor***. The balance of positive change from more freely flowing traffic and negative effect from the relatively small reduction in tree cover results in a ***negligible*** effect. After 15 years the development of existing and new trees will reduce the negative effect to ***negligible***.

5.8 Effects on Penny Pie Park

5.8.1 Penny Pie Park is identified as a Local Neighbourhood Green Space in Barnsley Council's Green Space Strategy (2016 update). This document considers that the Local

Neighbourhood is deficient in some types of greenspace. Therefore it is of high local value as amenity greenspace and has a ***high*** sensitivity to change.

5.8.2 The proposals will lead to a reduction of the park, fragmentation into two parts and will bring the noise and movement of traffic within the park. This will result in a ***high*** magnitude of change.

5.8.3 However, the current quality of the park should be taken into consideration when assessing the scale of the effects of the new road on the park. The park is not used to its full potential. The park is bounded on three sides by busy roads and a railway and has limited circulation routes, lack of sense of arrival and poor signage, indistinct boundaries that are sometimes in a poor condition and formalised play provision. The proposals include an 'in principle' enhancement of the park. (See Aecom Study, 'Dodworth Road Gyratory Greenspace Appraisal, June 2018). This could provide a revised layout where all current features are located in a cohesive and attractive manner. There will also be opportunities to upgrade and enhance existing facilities such as the play area and outdoor gym. The loss of part of the natural area that the proposals will necessitate can be compensated by natural planting. Routes through the park could be enhanced to incorporate existing desire lines and ensure strong safe links across the area.

5.8.4 In addition, the proposed scheme together with enhancement of the park would bring road users through a high-quality green area. The park area has potential to provide a much more attractive 'gateway to Barnsley'.

5.8.5 On balance the negative effects of a new road through the park can be set against the positive effects of an improved park and improved 'gateway' to Barnsley. However, the overall direct effects to the character and setting of the park are likely to be ***major adverse*** on the opening year due to the value and sensitivity of the park and the scale of change, reduced to ***moderate adverse*** after 15 years

5.9 Effects on Pogmoor Recreation Ground

5.9.1 Pogmoor recreation ground lies to the north of Penny Pie Park separated from it by the railway line running in a cutting. It is a large grass area, including a football pitch. It appears well used by dog walkers and provides an informal walking link between St Owens Drive and Glen Close. As for Penny Pie Park, it forms an important part of the green space provision in the neighbourhood but is less important due to its lower level of facilities, tree cover and natural vegetation. Its sensitivity to change is assessed as ***medium***.

5.9.2 Pogmoor recreation ground will not be physically affected by the proposals, but its setting and character will be slightly changed by proximity to the new gyratory to the south. Currently vehicle movement and noise from Dodworth Road are apparent, but distance and partial screening by trees renders their contribution to the recreation ground's landscape character low. The proposals will result in moving vehicles being more prominent visually, which will bring some change to the character, but the basic form, vegetation and facilities will be unaffected. The magnitude of change is judged to be ***low***.

5.9.3 A combination of a ***medium*** sensitivity with a ***low*** magnitude will result in a ***minor adverse*** effect on Pogmoor recreation ground in the opening year due to the increase in the role of roads and cars.

After the trees planted in mitigation along the northern boundary of Penny Pie Park grow and develop, the effect will be reduced to ***negligible*** 15 years after opening.

5.10 Effects on greenspace network

5.10.1 Pogmoor Road Recreation Ground and Penny Pie Park form part of a wider network of greenspace throughout the study area that also includes Horizon College grounds, other school grounds, churchyards and cemeteries, natural and semi-natural areas, allotments and greenways. Pressures for urban development, including road improvements, could result in possible reduction in greenspace beyond a level that has practical benefits to the area and the local population. The greenspace network has a ***high*** sensitivity to change.

5.10.2 The proposals affect only very small proportion of the greenspace network, mainly in the reduction in Penny Pie Park, and visual links to Pogmoor Recreation Ground. (Discussed above). Potentially some connectivity between greenspaces and/or between greenspace and residential areas will also be affected, particularly in the interruption to routes across Penny Pie Park. In relation to the study area as a whole, the changes resulting from the proposals will be very small and the magnitude of change is likely to be ***low.***

5.10.3 A combination of high sensitivity with a low magnitude of change results in a ***minor adverse*** effect on completion of the scheme, resulting from the reduction in area of Penny Pie Park and disruption to visual and physical links across and beyond the Park. After 15 years this will reduce to a ***negligible*** effect as trees develop and an improved Penny Pie Park, including good footpath and cycle links, is established.

5.11 Effects on setting of Listed Milestone

5.11.1 A milestone on Dodworth Road has been Listed by Heritage England. This listing recognises its historical value indicating an intrinsically ***high*** sensitivity to change.

5.11.2 Currently the milestone is built into a low stone wall located directly along the rear of the footpath just outside Horizon College, backed by the grass verge that lies between the footpath and the college grounds. The milestone and surrounding stretch of stone wall will not be physically affected by the proposals (subject to protection during construction works), but its setting will change. The milestone will be near the southern edge of the proposed road, with the proposed footway routed directly behind the milestone. A small hard surfaced space between the footpath and the line of the new road has been designed to enhance the setting of the milestone, with scope to use appropriate hard surfacing to indicate historic significance. Although this will be a small change in the setting of the milestone the magnitude of change is assessed as ***negligible***, due to the similarities to its current setting.

5.11.3 The high sensitivity and negligible magnitude of change result in a ***negligible*** effect of the proposals at completion of the scheme. This will not change as the scheme matures.

5.12 Summary of landscape effects

5.12.1 The relative scale of the proposals and the current busy road network in the study area means that there is little impact on the wider landscape features, such as the National Character Area, Barnsley Council's Landscape Character Area of Settled Wooded Farmland, topography and drainage, or the network of green spaces.

The largest effects are likely to be the direct effects to the character and setting of Penny Pie Park but these can be offset against positive improvements to the remaining park and improved 'gateway' to Barnsley. The overall direct effects to the character and setting of the park are likely to be ***major adverse*** on the opening year due to the value and sensitivity of the park and the scale of change, reduced to ***moderate adverse*** after 15 years

6 Effects on Visual Amenity

(To be read in conjunction with Table 2, Visual Effects – Schedule of Sites and Properties and Fig 4 Visibility – Viewpoint Locations).

6.1 Introduction

6.1.1 The visual receptors have been grouped where they experience similar effects in the following sections.

6.2 Views from within Penny Pie Park (Views 32, 33, 34)

6.2.1 Penny Pie Park appears well used by walkers, family groups with young children and pupils of Horizon College. The proposed gyratory road will have a strong effect on all park views as the road and associated signage, lighting and traffic will be cutting through the open area within the park.

6.2.2 Both the sensitivity of viewers and the magnitude of change is assessed as ***high***. Combining a ***high*** sensitivity to change with a ***high*** magnitude of change the effect of the proposals at year one is assessed as ***major adverse,*** reducing to ***moderate adverse*** after 15 years.

6.3 Views from Pogmoor Road (Views 16-20) and 188-206 Dodworth Road

(Viewpoints 21a and 21b)

6.3.1 These sections comprise 15 houses and the three-storey high Garden Court Apartments that all face the road, and so will be highly sensitive to changes in the view. People walking, cycling or driving along Pogmoor Road will be less sensitive to change as by nature of the journeys the views are transitory. The proposals will remove many of the park boundary trees and shrubs, opening up views of the new road beyond. However, the removal of the frequently queuing traffic from immediately outside the properties will result in a positive change to the views. Overall the balance of positive and negative features is likely to result in an adverse effect.

6.3.2 Combining a ***high*** sensitivity to change with a ***high*** magnitude of change the effect of the proposals at year one is assessed as ***major adverse***, reducing to ***minor adverse*** after 15

years. For houses on Pogmoor Road, the effect after 15 years is likely to be ***minor beneficial*** as the traffic will be further from their properties.

6.4 Views from Dodworth Road, SE and opposite Penny Pie Park, Horizon College and junction of Dodworth Road/Pogmoor Road/Broadway.

(Viewpoints 26, 27), (Viewpoints 21a, 21b, 22), (Viewpoints 23-25) and (Viewpoints 4, 5, 6)

6.4.1 Views from properties are screened by vegetation in their own gardens, reducing the sensitivity. The remainder of receptors are either people walking, cycling or driving along Dodworth Road, or staff and students at the college which is essentially a working environment. The views range from close oblique or filtered views along Dodworth Road to more distant views with intervening vegetation in the college grounds.

6.4.2 The change will be adverse resulting from the reduction or removal of part of the tree belt that forms positive feature, and from the increase in road area, signs and lighting.

6.4.3 The ***medium*** sensitivity to change combined with a ***medium*** to ***high*** magnitude of change result in the effect of the proposals at year one is assessed as ***moderate adverse***, reducing to ***minor adverse*** after 15 years.

6.5 Views from Dodworth Road-east, west, Broadway and Whitehall Avenue.

(Viewpoints 28, 29, 30, 31), (Viewpoints 1, 2, 3), (Viewpoints 8-12), and (Viewpoints 13, 14, 15)

6.5.1 These views for residents and pedestrians of the proposals site are all oblique or severely restricted by housing along these roads. The further the receptor is from the site, the smaller the magnitude of change in any view, which along Dodworth Road west becomes almost indiscernible. In most views there will be a slight change to tree cover, but in closer distance views the highway signage, lights and traffic will also be visible.

6.5.2 Combining a ***medium*** sensitivity to change with a ***low*** magnitude of change the effect of the proposals on these views at year one is assessed as ***minor adverse***, with the exception of the close distance views where a ***medium*** magnitude of change results in a ***moderate adverse*** effect.

6.5.3 After 15 years the proposed tree and shrub planting will reduce the severity of the effect to ***minor adverse*** to ***negligible.***

6.6 Views from north of Penny Pie Park, Pogmoor Recreation Ground, St Catherine's and St Martin's Close

(Viewpoints 35-38) and (Viewpoints 39,40)

6.6.1 Most views are oblique from the front of properties on St. Catherine's, St. Martin's and Glendale Closes or from upstairs windows from the rear of properties along Pogmoor Road. The recreation ground is used predominantly for sport and by people walking through between St Owen's Close and Glendale Close. There are direct views of Penny Pie Park from the recreation ground, but at a distance. Most views are restricted by vegetation growing in the railway cutting.

6.6.2 The ***medium*** sensitivity of the view combined with the predominantly ***low*** magnitude of change results in a ***minor adverse*** change, reducing to ***negligible*** after 15 years where the mitigation in Penny Pie Park is in the view. From closer distance views from the recreation ground (View 38) the effect is ***moderate adverse*** reducing to ***negligible*** after 15 years.

6.7 Effect on night time and visual amenity

6.7.1 Lighting can affect the night time landscape, character and setting of existing unlit areas. Wildlife is highly sensitive to increases in lighting. Existing lit urban streets are less sensitive to changes. Penny Pie Park is generally unlit within the body of the park but with street lighting around the park along perimeter roads. On balance the study area has a ***medium*** sensitivity to changes in night time and visual amenity.

6.7.2 Details of the lighting are to be agreed, but lighting levels and frequency of columns is likely to be increased due to additional lights along the new length of the gyratory road and 2 new junctions. High pressure sodium or LED lighting with tight optical control will be used to minimise glare and overspill to nearby properties. The magnitude of change is assessed as ***low***.

6.7.3 Increase of lighting will have a potential negative effect on wildlife. In contrast, general night time amenity for people will potentially be improved along the line of the proposed road.

6.7.4 Considering the ***medium*** sensitivity and ***low*** magnitude of change, and the balance of effects of the proposals, the effect on night time and visual amenity is assessed as ***minor-moderate neutral*** on completion of the proposals***.*** This is unlikely to change after 15 years as the scheme matures.

6.8 Summary of visual effects

6.8.1 Receptors and views most affected are those closest to the proposed development including those from within Penny Pie Park, properties on Pogmoor Road and Dodworth Road with direct views of the proposals, and people walking or cycling on the immediately adjoining road network, resulting in some ***major and moderate adverse*** visual effects. There are other wider views from properties, roads and footpaths in the study area but these are often oblique and partially screened by vegetation, becoming distant and less significant.

6.8.2 Where there are no direct views from property main living areas the noticeable change is likely to be small and visual effects are ***minor adverse to negligible***. Views from the west side of the park along Dodworth Road are partly screened and filtered by garden vegetation and house frontages. Visual effects of the proposed development are similarly reduced from the north side near Pogmoor Recreation Ground and visual effects are ***minor adverse to negligible***.

6.8.3 The effect on night time and visual amenity is assessed as ***minor-moderate neutral*** on completion of the proposals***.***

7 Effects on All Travellers

(To be read in conjunction with Table 3, View from Road – Vehicle Traveller Assessment)

7.1 Introduction

7.1.1 The purpose of this section of the EIA is to assess the impact of the proposed scheme on journeys that are made either as a motorist user or a non-motorist. The assessment considers how travellers are separated from community facilities and how the scheme would affect the length and pleasantness of the journey.

7.1.2 The assessment considers Views from the Road.

7.1.3 The study area covers the immediate area of the proposed scheme along the A628 (Dodworth Road) between junction 37 of the M1 and the Shaw Lane junction, as well as along Broadway from the Co-op warehouse to the A628 and beyond along Pogmoor Road to the railway line crossing.

7.1.4 Traffic congestion and queuing traffic is currently experienced by vehicle travellers at the existing Dodworth Road / Broadway/Pogmoor Road crossroads.

7.2 Motorists

7.2.1 For motorists, the greatest effect on visual amenity is along those sections of existing road which are to become part of the gyratory. Along Dodworth Road there will be the introduction of three new junctions and the closure of one, resulting in a loss of trees and shrubs on the northern side, opening up views into Penny Pie Park. The magnitude of change is assessed as ***medium***, which together with the ***medium*** sensitivity of the motorists, results in a ***moderate adverse*** effect on completion of the works. Low level planting will be used to enhance views and create a sense of arrival at the southwest corner of the park to form a gateway to Barnsley, and replacement tree planting along the road, which will result in a ***negligible*** effect after 15 years.

7.2.2 For motorists travelling along the remainder of Dodworth Road between the Junction 37 of the M1 and Shaw Lane and for motorists on Broadway there is likely to be little change to the visual amenity as views are restricted by housing on both sides. The magnitude of changes ranges from ***low*** to ***negligible***, which together with the ***medium*** sensitivity of receptor, results in a ***minor adverse*** effect on completion. The mitigation described will result in a ***negligible*** effect after 15 years.

7.2.3 For motorists using Pogmoor Road the carriageway is realigned further into Penny Pie Park with a line of existing mature trees breaking up views of the houses to the west side. The views for motorists are less urban with open land either side of the road. The magnitude of change is assessed as ***medium*** as for those travelling along Dodworth Road, which together with the ***medium*** sensitivity of the motorists, results in a ***moderate adverse*** effect on completion of the works and ***negligible*** effect after 15 years.

7.3 Pedestrians

7.3.1 Public footpath ref. no. 363 which runs to the west and north of the college building has slight views towards the proposed scheme. The effect of the proposed scheme on visual amenity of this footpath is negligible, mainly due to the distance and intervening vegetation in the college grounds.

7.3.2 Penny Pie Park has Dodworth Road and Pogmoor Road on two side with existing highway footpaths at the edge of the park. Several informal footpaths cross the park linking these two roads.

7.3.3 The proposed scheme will affect existing informal footpaths crossing the park. The potential for interrupting informal pedestrian routes in the area across Penny Pie Park has been recognised and efforts made to limit disconnection.

7.3.4 The provision of pedestrian crossings at the road junctions and key crossing points will maintain safe pedestrian connections. The incorporation of surfaced paths along desire lines through the park and maintain a positive experience and allow pedestrians to move away from traffic and urban roads. Overall this is likely to result in ***moderate adverse*** effect for pedestrians on completion of the works and ***low to negligible*** effect after 15 years after replacement screen planting has become established.

8 Mitigation of Landscape and Visual Effects

(To be read in conjunction with Figure 6A and 6B, Mitigation of Landscape and Visual Effects)

8.1.1 Tree loss has been minimised by careful alignment and necessary tree protection measures. Retained trees to be retained will be protected according to 'BS 5837: Trees in Relation to Design, Demolition and Construction – Recommendations' and as set out in 'Tree Survey & Arboricultural Impact Assessment for Proposed Road Improvements at Junction of Pogmoor Road and Dodworth Road, Barnsley' by Wainwright Landscape Architecture'.

8.1.2 Substantial amounts of replacement tree planting will be carried out to re-define the two parts of the park, improve the amount of tree cover in the area, maintain visibility and select views into the park while providing screen planting to reduce advese landscape and visual effects.

8.1.3 In order to soften the views of traffic within the park and to maintain the distinctive green corridor, groundcover planting of tall ornamental shrubs is proposed along the new park boundaries with Dodworth and Pogmoor Roads with gaps to allow views into the park where screen planting is not required for residential properties. Shrub planting will form a striking backdrop to a gateway feature at the junction of Dodworth Road and Pogmoor Road along the road corridor into Barnsley town centre.

8.1.4 The new trees and shrubs will comply with BS 3936:1992'Nursery Stock' and will be planted according to BS 4428:1989 'Code of Practice for General Landscape Operations', with topsoil for planting areas and tree pits complying with BS 3883:2015 'Specification for Topsoil'. A five year aftercare period will be in place to encourage good aftercare maintenance and establishment of the planting, thereafter maintained as part of BMBC's ongoing grounds maintenance contract.

8.1.5 Improvements are proposed for Pogmoor Recreation Ground which lies immediately to the north on the other side of the railway line. The Recreation Ground can be reached by walking along Pogmoor Road and St Owens Drive. The improvements include a surfaced footpath between St Owens Drive and the car park off Pogmoor Road. Tree planting along the path is proposed to soften views from the houses along Pogmoor Road, and to create some structure to the recreation ground. Seating will be provided along the route or in the seating area (all subject to detailed design and further community consultation).

8.1.6 To minimise disconnection between the two parts of Penny Pie Park new access points and connecting footpaths within the park will allow connection and movement. Railings are proposed on all roadside boundaries of the park to maintain public safety, with formalised gateways at access points.

8.1.7 New avenue tree planting will line each side of the road allowing visibility for natural surveillance and set back to maintain vehicular sightlines.

8.1.8 Where additional screen planting is needed to reduce adverse landscape and visual effects, proposed tree planting will be supplemented by native tree and shrub planting to form a visual buffer between the new road and the main park (where not conflicting with vehicular sight lines).

8.1.9 The existing play area, multi-use games area (MUGA), outdoor gym and sculpture trail features will all be replaced or relocated within the park. The exact locations of these

facilities are subject to community consultation and detailed design to meets the needs of the local area.

9 Overall Summary

9.1 Development Proposals

9.1.1 The application site lies in Barnsley to the west of the city centre, is approximately 6ha and comprises land at the existing A628 Dodworth Road / A6133 Broadway/Pogmoor Road crossroads and the adjoining green space area associated with Penny Pie Park.

9.1.2 The proposals are for the construction of a gyratory which involves the realignment and upgrade of Dodworth Road / Pogmoor Road, the creation of a new road through the existing green space, provision of new signalised pedestrian crossing facilities, creation of a new access to Horizon Community College, erection of new energy saving street lighting, construction of a new Multi Users Games Area, re-design and renovation of Penny Pie Park and upgrading of Pogmoor Recreation Ground.

9.2 Base Line Conditions

9.2.1 The local landscape character is defined by a mix of housing, largely from the 1940's to the present day, with pockets of industry, schools, small greenspaces used largely for recreation, and allotments. Road infrastructure plays a dominant role in defining local landscape character.

9.2.2 The application site is approximately 6ha and comprises land at the existing A628 Dodworth Road / A6133 Broadway/Pogmoor Road crossroads and the adjoining green space area associated with Penny Pie Park.

9.2.3 Penny Pie Park is bounded by the Barnsley to Huddersfield railway line to the north side, with Pogmoor Recreation Ground beyond.

9.2.4 A multi-use games area (MUGA) is located within Penny Pie Park and existing trees and planting generally screen and filter local views across the area. Just to the south side of the site is Horizon Community College.

9.3 Landscape Effects

9.3.1 The relative scale of the proposals and the current busy road network in the study area means that there is little impact on the wider landscape features, such as the National Character Area, Barnsley Council's Landscape Character Area of Settled Wooded Farmland, topography and drainage, or the network of green spaces.

9.3.2 The largest effects are likely to be the direct effects to the character and setting of Penny Pie Park but these can be offset against positive improvements to the remaining park and improved 'gateway' to Barnsley.

9.3.3 The overall direct effects to the character and setting of the park are likely to be ***major adverse*** on the opening year due to the value and sensitivity of the park and the scale of change, reduced to ***moderate adverse*** after 15 years.

9.4 Effects on Visual Amenity

9.4.1 Receptors and views most affected are those closest to the proposed development including those from within Penny Pie Park, properties on Pogmoor Road and Dodworth Road with direct views of the proposals, and people walking or cycling on the immediately adjoining road network, resulting in some ***major and moderate adverse*** visual effects. There are other wider views from properties, roads and footpaths in the study area but these are often oblique and partially screened by vegetation, becoming distant and less significant.

9.4.2 Where there are no direct views from property main living areas the noticeable change is likely to be small and visual effects are ***minor adverse to negligible***. Views from the west side of the park along Dodworth Road are partly screened and filtered by garden vegetation and house frontages. Visual effects of the proposed development are similarly reduced from the north side near Pogmoor Recreation Ground and visual effects are ***minor adverse to negligible***.

9.4.3 The effect on night time and visual amenity is assessed as ***minor-moderate neutral*** on completion of the proposals***.***

9.5 Effects on All Travellers

9.5.1 The assessment considers Views from the Road. Traffic congestion and queuing traffic is currently experienced by vehicle travellers at the existing Dodworth Road / Broadway/Pogmoor Road crossroads.

9.5.2 For motorists, the greatest effect on visual amenity is along those sections of existing road which are to become part of the gyratory. New junctions will be introduced, with the loss of roadside and park boundary trees. Along Pogmoor Road, the realignment of the road away from the houses and into the park will improve the visual amenity for motorists as well as for the residents. The mitigation described will result in a ***negligible*** effect after 15 years.

9.5.3 The proposed scheme will affect existing informal footpaths crossing the park. The potential for interrupting informal pedestrian routes in the area across Penny Pie Park has been recognised and efforts made to limit disconnection.

9.5.4 The provision of pedestrian crossings at the road junctions and key crossing points will maintain safe pedestrian connections. The incorporation of surfaced paths along desire lines through the park and maintain a positive experience and allow pedestrians to move away from traffic and urban roads. Overall this is likely to result in ***moderate adverse*** effect for pedestrians on completion of the works and ***low to negligible*** effect after 15 years after replacement screen planting has become established.

9.6 Mitigation

9.6.1 Tree loss has been minimised by careful alignment and necessary tree protection measures.

9.6.2 Substantial amounts of replacement tree planting will be carried out to re-define the two parts of the park, improve the amount of tree cover in the area, maintain visibility and select views into the park while providing screen planting to reduce advese landscape and visual effects.

9.6.3 Shrub planting will form a striking backdrop to a gateway feature at the junction of Dodworth Road and Pogmoor Road along the road corridor into Barnsley town centre.

9.6.4 Improvements are also proposed for Pogmoor Recreation Ground.

9.6.5 To minimise disconnection between the two parts of Penny Pie Park new access points and connecting footpaths within the park will allow connection and movement. Railings are proposed on all roadside boundaries of the park to maintain public safety, with formalised gateways at access points.

9.6.6 New avenue tree planting will line each side of the road allowing visibility for natural surveillance and set back to maintain vehicular sightlines.

9.6.7 Where additional screen planting is needed to reduce adverse landscape and visual effects, proposed tree planting will be supplemented by native tree and shrub planting to form a visual buffer between the new road and the main park.

9.6.8 The existing play area, multi-use games area (MUGA), outdoor gym and sculpture trail features will all be replaced or relocated within the park. The exact locations of these facilities are subject to community consultation and detailed design to meets the needs of the local area.

Appendix A – Landscape and Visual Assessment Tables

Table 1 Landscape Effects - Schedule of Receptors
Table 2 Visual Effects - Schedule of Sites and Properties
Table 3 View from the Road - Vehicle Traveller Assessment

TABLE 1 LANDSCAPE EFFECTS - SCHEDULE OF RECEPTORS
Date of survey: July 2018 (Landscape effects with mitigation at completion of the scheme and after 15 years)

Landscape Receptor	**Description**	**Sensitivity to Change (Value)** (High / Medium/ Low / Negligible)	**Magnitude of Change** (High / Medium/ Low / Negligible)	**Scale of Effect / Importance (Opening Year)** (Major / Moderate/ Minor / Negligible – Adverse / Beneficial/Neutral)	**Notes** (Existing / Proposed)	**Proposed Mitigation** (All mitigation on-site except where stated as off-site)	**Scale of Landscape Effect / Importance after 15 years** (average)
Topography and Drainage	Upper shoulder of wide Dearne valley. Almost level area.	Low	Negligible	Negligible (1)	No noticeable change to elevation and levels resulting from the scheme. Highway surface water controlled by highway design.	None	Negligible
Land Cover: Trees and Woodland (see tree survey)	Individual trees and groups of trees concentrated around the boundaries of Penny Pie Park. The trees form an important landscape feature on Dodworth Road and the approach to Barnsley centre; form a good sense of enclosure to the park and visual separation of the park from the road network.	Medium	Medium	Moderate (4), Adverse	75 No. individual and small groups of trees will be removed. Woodland along the eastern boundary and shrubby vegetation along the northern railway line boundary will not be affected.	Planting of substantial numbers of roadside trees along Dodworth Road and Pogmoor Road.	Minor, Adverse

			Sensitivity		
			L	M	H
			1	2	3
	N	0	1	2	3
	L	1	**2**	**3**	**4**
Magnitude	M	2	**3**	**4**	**5**
	H	3	**4**	**5**	**6**

Scale of Importance for Landscape Effects

Major	=	6
Moderate	=	4 / 5
Minor	=	2 / 3
Negligible	=	High, Medium or Low Sensitivity combined with Negligible Magnitude.

Landscape Receptor	**Description**	**Sensitivity to Change (Value)** (High / Medium/ Low / Negligible)	**Magnitude of Change** (High / Medium/ Low / Negligible)	**Scale of Effect / Importance (Opening Year)** (Major / Moderate/ Minor / Negligible – Adverse / Beneficial/Neutral)	**Notes** (Existing / Proposed)	**Proposed Mitigation** (All mitigation on-site except where stated as off-site)	**Scale of Landscape Effect / Importance after 15 years** (average)
Local townscape	An area of busy main roads and rail corridor at western edge of Barnsley city, closely intermixed with housing of medium to high density, small greenspaces, small scale industry and a large school (Horizon Community College)	Low	Medium	Minor to Moderate (3/4) Adverse	Overall most structures and elements of the townscape will remain, but there will be an increase in roads and a corresponding decrease in greenspace. Tree cover will be reduced in the short term.	Replacement planting and landscape treatment to new road and to Penny Pie Park to help integrate the scheme.	Minor, adverse.
Horizon College Grounds	Large educational facility of 3-4 storey new buildings set within grounds of trees, grass and seating areas. Substantial parking and bus access at Dodworth Road frontage	Medium	Low	Minor, neutral	New road proposals will include improved access to college, and intend to reduce stationary traffic, but otherwise no physical changes. Effect of removal of trees along Dodworth Road will change views northwards from the college, resulting in a more open aspect to the college frontage.	None	Minor, neutral
NCA 38 Nottingham, Derbyshire and Yorkshire Coalfield	A mixed pattern of built-up areas, industrial land and farmed open country, overlying broad, low-lying landscape of rolling ridges	Low	Negligible	Negligible	Study area is entirely within a built-up part of the NCA, which will not change as a result of the proposals	None	Negligible

			Sensitivity		
			L	M	H
			1	2	3
	N	0	1	2	3
	L	1	**2**	**3**	**4**
Magnitude	M	2	**3**	**4**	**5**
	H	3	**4**	**5**	**6**

Scale of Importance for Landscape Effects

Major = 6
Moderate = 4 / 5
Minor = 2 / 3
Negligible = High, Medium or Low Sensitivity combined with Negligible Magnitude.

Landscape Receptor	**Description**	**Sensitivity to Change (Value)** (High / Medium/ Low / Negligible)	**Magnitude of Change** (High / Medium/ Low / Negligible)	**Scale of Effect / Importance (Opening Year)** (Major / Moderate/ Minor / Negligible – Adverse / Beneficial/Neutral)	**Notes** (Existing / Proposed)	**Proposed Mitigation** (All mitigation on-site except where stated as off-site)	**Scale of Landscape Effect / Importance after 15 years** (average)
Barnsley Borough Landscape Character Assessment (2002) Area E2: Barnsley Settled Wooded Farmland	A mixture of agriculture, recreation, residential, industry, communication and landscape renewal.	Low	Low	Minor (2) neutral	Assessment over 16 years old. Area has undergone change since then. Proposed road does not introduce a new element into the general area.	Tree planting as per landscape management strategy recommendations.	negligible
Penny Pie Park	A Local Neighbourhood Green Space of 4.92ha. Comprises mainly mown grass with substantial trees and shrubs around the perimeter. Small area of long grass and natural vegetation in the north-east. Includes a MUGA, equipped play area (LAP), and an outdoor gym.	High	High	Major (6), adverse	The proposed road will take up 25% of the park area and split it into 2 areas separated by the road. As well as physical changes, noise and movement will affect the park's character. The road will also interrupt routes across and around the park.	Re-design and upgrade of park to enhance park. Opportunities to develop site to provide more attractive park with more comprehensive features such as footpath network, areas for seating, socialising and natural play.	Moderate, adverse
Pogmoor Road Recreation Ground	An area of mown grass immediately north of the railway line, comprising a football pitch with small car park. Apart from sport, also used by dog walkers and for informal access across the site.	Medium	Low	Minor (3), adverse	Although not physically affected by the proposals, the new road will bring traffic movement and noise closer to the park and change views out across Penny Pie park.	Planting of trees and shrubs along the northern boundary of Penny Pie Park and possibly along the southern boundary of Pogmoor Rd Recreation Ground.	Negligible

Sensitivity

Magnitude		**L** 1	**M** 2	**H** 3
N	0	1	1	1
L	1	**2**	**3**	**4**
M	2	**3**	**4**	**5**
H	3	**4**	**5**	**6**

Scale of Importance for Landscape Effects

Major = 6
Moderate = 4 / 5
Minor = 2 / 3
Negligible = High, Medium or Low Sensitivity combined with Negligible Magnitude.

.

Landscape Receptor	**Description**	**Sensitivity to Change (Value)** (High / Medium/ Low / Negligible)	**Magnitude of Change** (High / Medium/ Low / Negligible)	**Scale of Effect / Importance (Opening Year)** (Major / Moderate/ Minor / Negligible – Adverse / Beneficial/Neutral)	**Notes** (Existing / Proposed)	**Proposed Mitigation** (All mitigation on-site except where stated as off-site)	**Scale of Landscape Effect / Importance after 15 years** (average)
Green Space network	Sparse network of small greenspaces throughout study area.	High	Low	Minor, adverse	Visual and physical links between greenspaces are important in this area where, due to their rarity green spaces are highly valued. The proposals will affect views between Pogmoor Rec Ground and Penny Pie Park and wider footpath links in a very minor way.	Investigate potential links between green spaces and improve where feasible.	Negligible.
Setting of Listed milestone On Dodworth Road, outside Horizon College	The listed milestone is currently encased in a low stone wall at the back of the footpath, just outside the college entrance.	High	Negligible	Negligible	The proposals will necessitate the moving of the milestone to the rear of the new footpath (approx. 1.5m). The setting will be very similar to the current one.	None	None
Night Time and Visual Amenity	Within visual envelope, with particular reference to residential property	Medium	Low	Minor – Moderate (2-4), neutral	Current lighting of road will be intensified by lighting of new road junctions, Higher light levels may be detrimental to wildlife and the intensify the urban features of the area. Better lighting will make use of area for pedestrians safer at night and dusk.	Use High-pressure sodium or LED lighting with light control to minimise light pollution and overspill	Minor – Moderate, neutral

		Sensitivity		
		L	**M**	**H**
		1	2	3
N	0	1	1	1
L	1	**2**	**3**	**4**
M	2	**3**	**4**	**5**
H	3	**4**	**5**	**6**

Magnitude

Scale of Importance for Landscape Effects

Major = 6
Moderate = 4 / 5
Minor = 2 / 3
Negligible = High, Medium or Low Sensitivity combined with Negligible Magnitude.

TABLE 2 VISUAL EFFECTS - SCHEDULE OF SITES AND PROPERTIES
Date of survey: July 2018 (Visual Effects with mitigation at completion of the scheme and after 15 years)

Ref. No	**Location of property, road or footpath**	**Sensitivity to Change of View** (High / Medium/ Low / Negligible)	**Magnitude of Change of View** (High / Medium/ Low / Negligible)	**Scale of Effect / Importance (Opening Year)** (Major / Moderate/ Minor / Negligible – Adverse / Beneficial/Neutral)	**Notes** (Existing / New views)	**Proposed Mitigation** (All mitigation on-site except where stated as off-site)	**Scale of Visual Effect / Importance after 15 years** (average)
VP1 VP2 VP3	Dodworth Road, west, at pedestrian crossing outside no 242 Dodworth Rd (VP1), no 279 (VP3) and on crossing (VP2) at western limit of visibility of proposals	Low	Negligible	Negligible (1)	Current view of a busy road will not change, although there may be less standing traffic. Potentially more sensitive views from properties are very oblique and distant.	None	Negligible
VP4 VP5 VP6a, b,c	Dodworth Rd/Pogmoor Rd/ Broadway junction. From south-west corner (VP4), from south-east corner (VP5), from north-west corner (VP6)	Medium	Medium	Moderate (4), adverse.	The view will be dominated by traffic as current view, but loss of trees will result in significant change, particularly when viewed from south side of the crossroads (VP 4 and VP5). The tree cover along park edge is an important foil for traffic in these views.	Additional tree and shrub planting along new line of park boundary.	Minor, adverse
VP7	Boundary Court flats, 3 storey height.	Medium	Medium	Moderate (4), adverse	Loss of tree cover at south-west corner of Penny Pie Park will partially reduce the wooded backdrop to the view of roads and traffic, with traffic along Pogmoor Road further away behind substation.	Additional tree and shrub planting along new line of park boundary.	Minor, adverse

			Sensitivity		
			L	**M**	**H**
			1	2	3
	N	0	1	1	1
	L	1	**2**	**3**	**4**
Magnitude	**M**	2	**3**	**4**	**5**
	H	3	**4**	**5**	**6**

Scale of Importance for Visual Effects

Major = 6
Moderate = 4 / 5
Minor = 2 / 3
Negligible = High, Medium or Low Sensitivity combined with Negligible Magnitude.

Ref. No	Location of property, road or footpath	Sensitivity to Change of View (High / Medium/ Low / Negligible)	Magnitude of Change of View (High / Medium/ Low / Negligible)	Scale of Effect / Importance (Opening Year) (Major / Moderate/ Minor / Negligible – Adverse / Beneficial/Neutral)	Notes (Existing / New views)	Proposed Mitigation (All mitigation on-site except where stated as off-site)	Scale of Visual Effect / Importance after 15 years (average)
VP8	2 Broadway (bungalow)and Broadway footpath	Medium	Medium	Moderate (4), adverse	View will become more open due to loss of tree cover at south-west corner of Penny Pie Park, roads more dominant. Vegetation in garden of no 2 will soften effect.	Additional tree and shrub planting along new line of park boundary.	Minor, adverse
VP9	From outside no 7 Broadway.	Medium	Low	Minor (3), adverse	Tree loss will result in change to backdrop trees, but foreground trees that will be unaffected will continue to dominate the view. Oblique view from housing over front gardens well furnished with trees and shrubs.	Additional tree and shrub planting along new line of park boundary.	Negligible.
VP10	Outside 35 Broadway	Medium	Low	Minor (3), adverse	As for VP 9, but in a more distant view, the tree loss will be a smaller proportion of the view.	As for VP9	Negligible
VP11	Outside no 45 Broadway	Medium	Low	Minor (3), adverse	Loss of some of the trees on the east side of Pogmoor Road beyond the junction will result in a small change to view, but it will remain dominated by the foreground trees of Broadway road verge. Oblique views from housing.	Additional tree and shrub planting along new line of park boundary.	Negligible
VP12	Outside no 8 Broadway, Harewood Ave/ Broadway junction, bus stop.	Medium	Negligible	Negligible (1)	View dominated by road junction, that will not change in principle. Unaffected trees west of Pogmoor Road more visible than those to the east side, less change to view.	None	Negligible

			Sensitivity		
			L	**M**	**H**
			1	2	3
	N	0	1	1	1
	L	1	**2**	**3**	**4**
Magnitude	**M**	2	**3**	**4**	**5**
	H	3	**4**	**5**	**6**

Scale of Importance for Visual Effects

Major	=	6
Moderate	=	4 / 5
Minor	=	2 / 3
Negligible	=	High, Medium or Low Sensitivity combined with Negligible Magnitude.

Ref. No	**Location of property, road or footpath**	**Sensitivity to Change of View** (High / Medium/ Low / Negligible)	**Magnitude of Change of View** (High / Medium/ Low / Negligible)	**Scale of Effect / Importance (Opening Year)** (Major / Moderate/ Minor / Negligible – Adverse / Beneficial/Neutral)	**Notes** (Existing / New views)	**Proposed Mitigation** (All mitigation on-site except where stated as off-site)	**Scale of Visual Effect / Importance after 15 years** (average)
VP13 VP14 VP15	From White Hill Avenue. Outside no 14 (VP14), no 2 Whitehill Grove (VP13) and near Pogmoor Rd junction (VP15)	Medium	Low	Minor (3), adverse	Very oblique views from housing. Current view over park will be interrupted by road but will move bulk of traffic further from the viewer and add tree and shrub between the viewer and the vehicles. Loss of weeping willow in VPs 13 and 14 will be detrimental	Additional tree and shrub planting along new line of park boundary.	Negligible.
VP16 VP17 VP18	From Pogmoor Road, Whitehill Ave to railway bridge. From Garden Ct appts (three storey) and 133, 135 Pogmoor Rd.	HIgh	High	Major (6), adverse	Close views, proposals dominant in views. Direct views from property frontages. Removal of trees will result in large changes, but removal of main road traffic further from viewer, and addition of new trees and shrubs along old Pogmoor Road will provide strong, quieter foreground.	Additional tree and shrub planting along new line of park boundary.	Minor, adverse
VP19 VP20	From Pogmoor Road nos 137-149	HIgh	HIgh	Major (6), adverse	Close, direct views, proposals dominant. As above loss of some trees will result in substantial changes to view, but re-sting of main traffic will bring positive benefits.	Additional tree and shrub planting along new line of park boundary.	Minor, adverse
VP21	From Dodworth Road, outside no 192.	High	High	Major (6), adverse	Close, direct views, proposals dominant. Increase in road width. Loss of roadside trees will open up views of park and blocks of existing trees within it.	Additional tree and shrub planting along new line of park boundary.	Minor, adverse

			Sensitivity		
			L	**M**	**H**
			1	2	3
Magnitude	**N**	0	1	1	1
	L	1	**2**	**3**	**4**
	M	2	**3**	**4**	**5**
	H	3	**4**	**5**	**6**

Scale of Importance for Visual Effects

Major	=	6
Moderate	=	4 / 5
Minor	=	2 / 3
Negligible	=	High, Medium or Low Sensitivity combined with Negligible Magnitude.

Ref. No	Location of property, road or footpath	Sensitivity to Change of View (High / Medium/ Low / Negligible)	Magnitude of Change of View (High / Medium/ Low / Negligible)	Scale of Effect / Importance (Opening Year) (Major / Moderate/ Minor / Negligible – Adverse / Beneficial/Neutral)	Notes (Existing / New views)	Proposed Mitigation (All mitigation on-site except where stated as off-site)	Scale of Visual Effect / Importance after 15 years (average)
VP22	At pedestrian crossing point on Dodworth Rd. New access point for Horizon College.	Medium	Medium	Moderate (4), adverse	Direct, close view. Road will be narrower here, at new crossing point. Trees to the right of crossing will remain, those to the left immediately against the road will be removed.	Additional tree and shrub planting along new line of park boundary.	Negligible
VP23	From Horizon College, nr entrance on main pedestrian/cycling route.	Medium	Medium	Moderate (4), adverse	Proposals in mid-distance, with trees of park as backdrop. View will be directly towards on-coming traffic with substantial group of trees removed. Foreground trees and shrubs in college grounds more dominant.	Additional tree and shrub planting along new line of park boundary.	Minor, adverse
VP24 VP25	From Horizon College, north-western corner of building (VP24) and public footpath at south-west corner (VP25)	Medium	Low	Minor (3), adverse	Only tall vehicles, signs and gantries visible in distance in front of park trees. These backdrop trees will be reduced. The foreground trees in the college grounds are more dominant and will provide good screening as they mature.	Additional tree and shrub planting along new line of park boundary.	Negligible

		Sensitivity		
		L	**M**	**H**
		1	2	3
N	0	1	1	1
L	1	**2**	**3**	**4**
M	2	**3**	**4**	**5**
H	3	**4**	**5**	**6**

Magnitude

Scale of Importance for Visual Effects

Major = 6
Moderate = 4 / 5
Minor = 2 / 3
Negligible = High, Medium or Low Sensitivity combined with Negligible Magnitude.

Ref. No	**Location of property, road or footpath**	**Sensitivity to Change of View** (High / Medium/ Low / Negligible)	**Magnitude of Change of View** (High / Medium/ Low / Negligible)	**Scale of Effect / Importance (Opening Year)** (Major / Moderate/ Minor / Negligible – Adverse / Beneficial/Neutral)	**Notes** (Existing / New views)	**Proposed Mitigation** (All mitigation on-site except where stated as off-site)	**Scale of Visual Effect / Importance after 15 years** (average)
VP 26 VP27	From Dodworth Road, south-east corner of park, outside no 187 and Dorothy House access (VP26), and outside no 247 (VP27)	Medium	High	Moderate (5), adverse	Change in view due to proximity of intensified roads and traffic, and removal of park side trees to accommodate new gyratory road. Views from south side of road (VP 26), more direct and more greatly affected.	Additional tree and shrub planting along new line of park boundary.	Minor, adverse.
VP28	From Dodworth Road, south side, outside no 168.	Medium	High	Moderate (5), adverse	Very oblique views from houses. Large section of trees removed in middle distance to accommodate new gyratory.	Additional tree and shrub planting along new line of park boundary.	Minor, adverse
VP 29	From Dodworth Road, south side, outside no 146.	Medium	Low	Minor (3), adverse	Greater distance means that the tree loss in park is a smaller proportion of the view; and garden trees and shrubs in the foreground are more dominant	None	Minor, adverse
VP30	From Dodworth Road, north side, Grosvenor Walk junction	Medium	Low	Minor (3), adverse	As for VP 29. Views from housing more oblique.	None	Minor, adverse

			Sensitivity		
			L	**M**	**H**
			1	2	3
	N	0	1	1	1
	L	1	**2**	**3**	**4**
Magnitude	**M**	2	**3**	**4**	**5**
	H	3	**4**	**5**	**6**

Scale of Importance for Visual Effects

Major	=	6
Moderate	=	4 / 5
Minor	=	2 / 3
Negligible	=	High, Medium or Low Sensitivity combined with Negligible Magnitude.

Ref. No	**Location of property, road or footpath**	**Sensitivity to Change of View** (High / Medium/ Low / Negligible)	**Magnitude of Change of View** (High / Medium/ Low / Negligible)	**Scale of Effect / Importance (Opening Year)** (Major / Moderate/ Minor / Negligible – Adverse / Beneficial/Neutral)	**Notes** (Existing / New views)	**Proposed Mitigation** (All mitigation on-site except where stated as off-site)	**Scale of Visual Effect / Importance after 15 years** (average)
VP31	From Dodworth Road, south side, outside no 237.	Medium	Medium	Moderate (4), adverse	Very oblique views from houses. Large section of trees removed in middle distance of view to be replaced by new gyratory.	Additional tree and shrub planting along new line of park boundary.	Minor, adverse
VP 32	From footpath near eastern boundary of Penny Pie Park	High	High	Major (6), adverse	The gyratory road will cross the entire view between the viewer and the central tree changing it from and quiet, parkland view to a busy road one.	Re-development of park to provide foreground interest and visual separation from viewer	Moderate, adverse
VP 33	From footpath entrance to park from Grosvenor Walk	High	Medium	Moderate (5), adverse	The new road will cross about two-thirds of this view, removing central trees. View partially enclosed by trees and as young trees develop this will be increased.	Re-development of park to provide foreground interest and visual separation from viewer	Minor, adverse
VP34	From footpath on north side of Penny Pie Park, on western edge of natural area managed by Friends of Group.	High	High	Major (6), adverse	Road will cross the entire view in the middle distance, strongly influencing the quiet, parkland view. Backdrop trees will appear less dense. MUGA and play area re-located.	Re-development of park to provide foreground interest and visual separation from viewer	Moderate, adverse.

			Sensitivity		
			L	**M**	**H**
			1	2	3
Magnitude	**N**	0	1	1	1
	L	1	**2**	**3**	**4**
	M	2	**3**	**4**	**5**
	H	3	**4**	**5**	**6**

Scale of Importance for Visual Effects

Major = 6
Moderate = 4 / 5
Minor = 2 / 3
Negligible = High, Medium or Low Sensitivity combined with Negligible Magnitude.

Ref. No	Location of property, road or footpath	Sensitivity to Change of View (High / Medium/ Low / Negligible)	Magnitude of Change of View (High / Medium/ Low / Negligible)	Scale of Effect / Importance (Opening Year) (Major / Moderate/ Minor / Negligible – Adverse / Beneficial/Neutral)	Notes (Existing / New views)	Proposed Mitigation (All mitigation on-site except where stated as off-site)	Scale of Visual Effect / Importance after 15 years (average)
VP35 VP36 VP37	From Pogmoor Recreation Ground. From St Owen's Drive access (VP35) From rear of 160 Pogmoor Road (VP36) From car-park, end of Glendale Close (VP37)	Medium	Low	Minor (3), adverse	Current views of traffic on Dodworth Road across open field, through gap in railway vegetation. New road will bring this forward and increase role of roads in view. Main part of views will be largely unaffected.	Additional tree and shrub planting along railway edges in both Penny Pie Park and Pogmoor Recreation Ground	Negligible
VP38	From Pogmoor Recreation Ground, southern boundary nr railway line	High	Medium	Moderate (5), adverse	Close views of Penny Pie Park through gap in railway vegetation will be changed by introduction of road and traffic into middle ground.	Additional tree and shrub planting along railway edges in both Penny Pie Park and Pogmoor Recreation Ground	Negligible
VP39 V40	From St Catherine's Way St Martins Close, (Feb view)	Medium	Low	Minor (3), adverse	Winter-time views only when glimpses of road and traffic will be obtained through trees. All houses have very oblique views.	None	Minor, adverse

			Sensitivity		
			L	**M**	**H**
			1	2	3
	N	0	1	1	1
	L	1	**2**	**3**	**4**
Magnitude	**M**	2	**3**	**4**	**5**
	H	3	**4**	**5**	**6**

Scale of Importance for Visual Effects

Major	=	6
Moderate	=	4 / 5
Minor	=	2 / 3
Negligible	=	High, Medium or Low Sensitivity combined with Negligible Magnitude.

TABLE 3 VIEW FROM THE ROAD – VEHICLE TRAVELLER ASSESSMENT
Date of survey: July 2018 (Visual Effects with mitigation at completion of the scheme and after 15 years)

Location of Highway (existing or proposed)	**Categories Assessed** (No View/ Restricted View/ Intermittent View/ Open View)	**Sensitivity to Change of View** (High / Medium/ Low / Negligible)	**Magnitude of Change of View** (High / Medium/ Low / Negligible	**Scale of Effect / Importance (Opening Year)** (Major / Moderate/ Minor / Negligible – Adverse / Beneficial/Neutral)	**Notes** (Existing / New Views)	**Proposed Mitigation** (All mitigation on-site except where stated as off-site)	**Scale of Visual Effect / Importance after 15 years** (average)
A628 Dodworth Road motorists heading east from J37 on the M1 to the junction with Pogmoor Road Photo 9067 (VP2)	Severely Restricted view.	Medium	Low to negligible	Minor adverse	Views of site limited by rise in ground near Hunter's Avenue. Views restricted by buildings and garden vegetation on both sides to junction with Pogmoor Road/Broadway.	None required. Proposed replanting will restore existing vegetation lost from view.	Negligible
A628 Dodworth Road motorists from junction with Pogmoor Road to No 187 Dodworth Road Photo 9093	Open but oblique view	Medium	Moderate	Moderate adverse	Three new junctions and a wider road will result in loss of roadside trees and shrubs on northside of road, revealing scattered trees and more open views of park, except section near new college entrance.	Strengthen character of park with boundary tree and shrub planting, to also create a stronger arrival/entrance point to Barnsley.	Negligible
Pogmoor Road motorists from junction with Dodworth Road to railway bridge. Ph 9104	Open but oblique view	Medium	Medium	Moderate adverse	Two of the three roadside trees will be lost, together with trees along the park boundary and some shrub planting.	Strengthen character of park with boundary tree and shrub planting.	Negligible
Pedestrians using highway footpaths around Penny Pie Park	Open and distant views	High	Moderate	Moderate adverse	Existing highway footpaths around the park realigned, changes to roadside vegetation	Paths realigned through park, new crossings, new screen planting around penny Pie Park	Low to Negligible

			Sensitivity		
			L	**M**	**H**
			1	2	3
Magnitude	**N**	0	1	1	1
	L	1	**2**	**3**	**4**
	M	2	**3**	**4**	**5**
	H	3	**4**	**5**	**6**

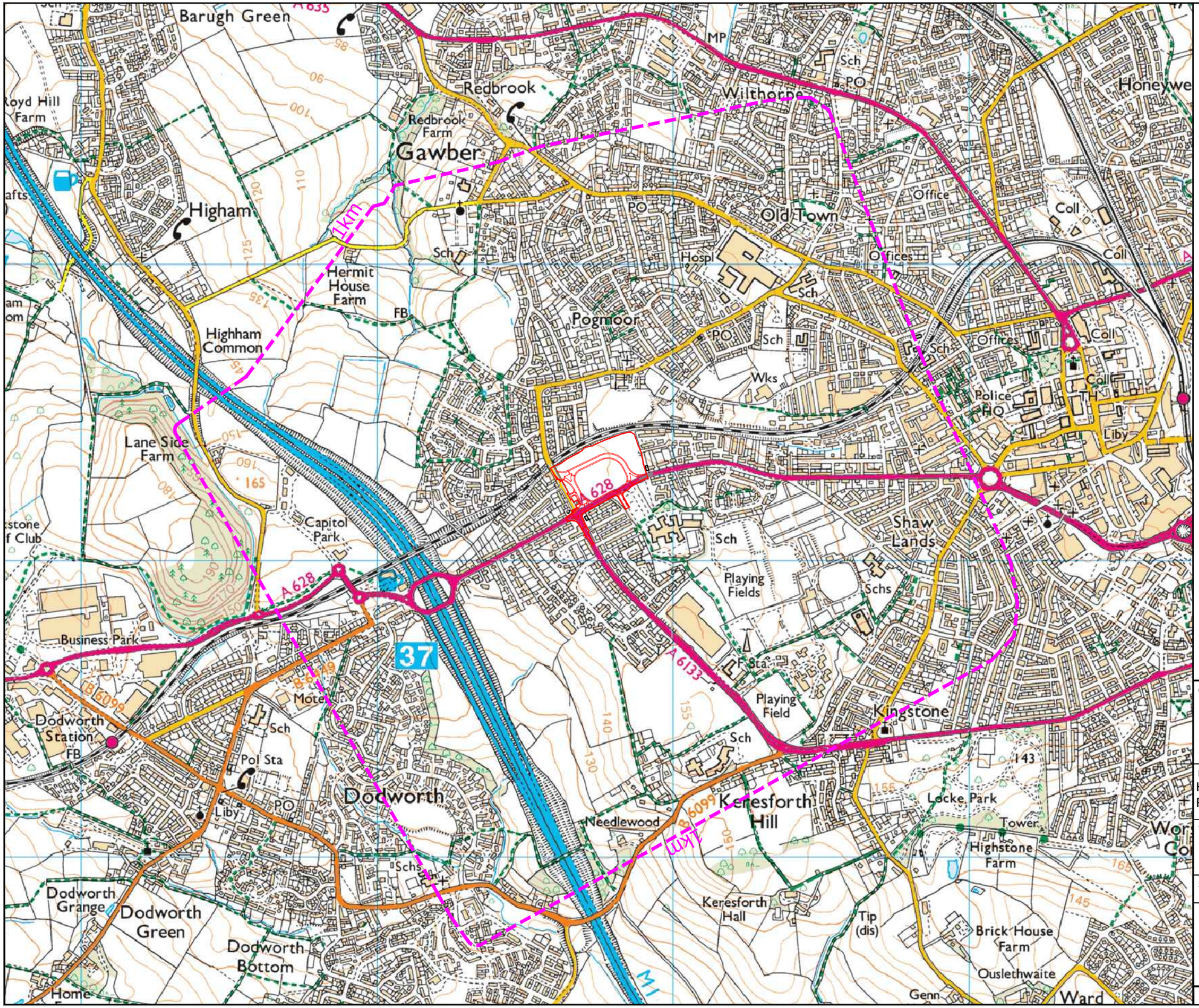
Scale of Importance for Visual Effects

Major = 6
Moderate = 4 / 5
Minor = 2 / 3
Negligible = High, Medium or Low Sensitivity combined with Negligible Magnitude.

Appendix B - Figures and Illustrations

01 Local Context
02 Aerial Photograph
03 Landscape and Planning Context
04 Visibility -Viewpoint Locations
05 General Layout HD/7122127/C/1 Rev A
06A Mitigation of Landscape and Visual Effects – Penny Pie Park
06B Mitigation of Landscape and Visual Effects – Pogmoor Recreation Ground

Photographic Viewpoints – Viewpoints 1 to 40



© Crown copyright and database rights [2018]
Ordnance Survey 0100031673

Client

BARNSLEY
Metropolitan Borough Council

Project

HIGHWAY IMPROVEMENTS AT DODWORTH RD/BROADWAY/POGMOOR RD JUNCTION

Title

LOCAL CONTEXT

Scale	Paper	Fig No.
1:12,50O	A3	01

Wainwright
Landscape Architecture
6 Lindale Lane, Wrenthorpe, Wakefield, WF2 0PN
T. +44 (0)1924 381256 E. info@wainwrightla.co.uk

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on the drawing.



LEGEND

Proposed Route

NORTH

0 50m

© Crown copyright and database rights [2018]
Ordnance Survey 0100031673

Client

BARNSLEY
Metropolitan Borough Council

Project

HIGHWAY IMPROVEMENTS AT DODWORTH RD/BROADWAY/POGMOOR RD JUNCTION

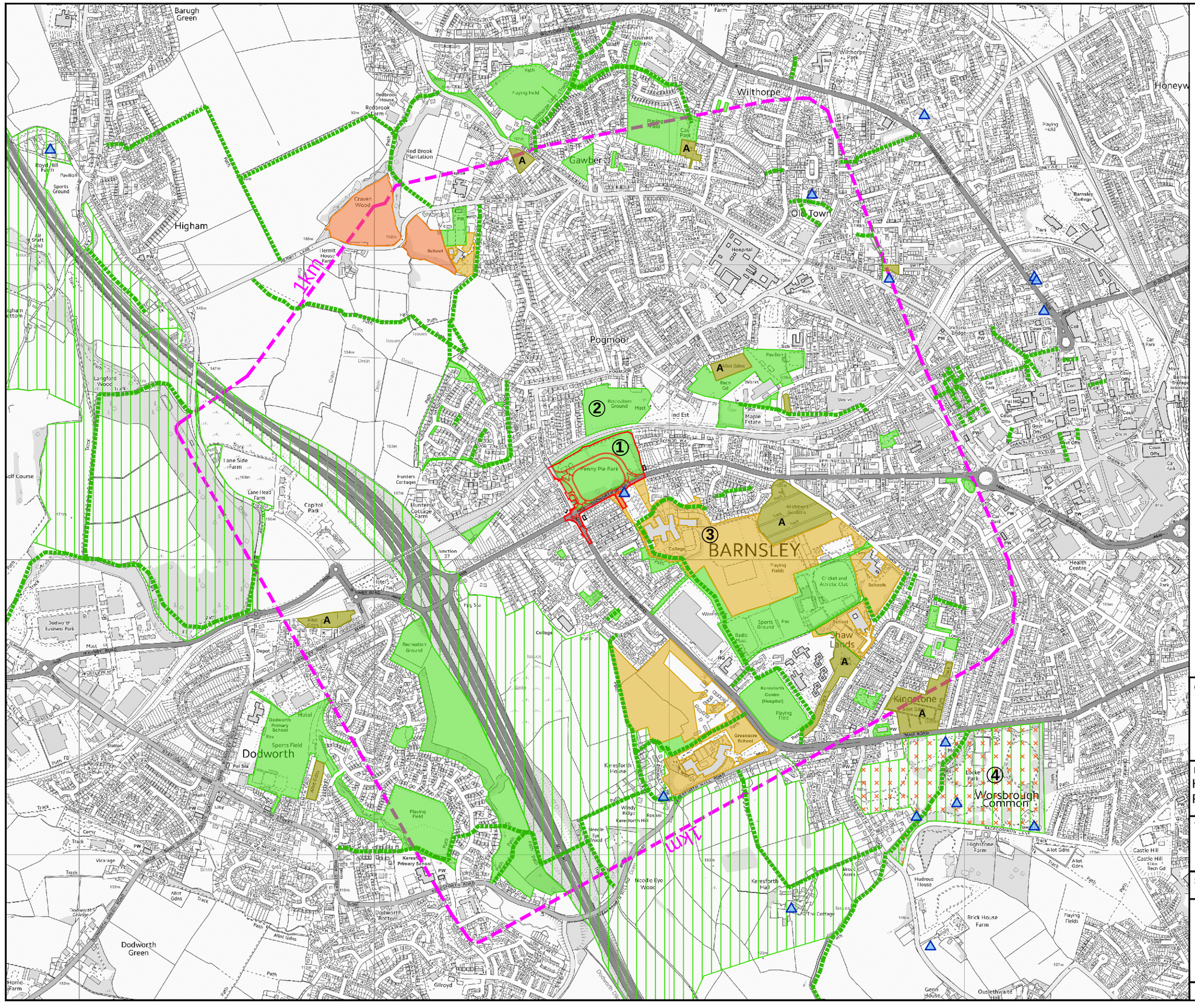
Title

AERIAL PHOTOGRAPH

Scale	Paper	Fig No.
1:1250	A3	02

Wainwright
Landscape Architecture
6 Lindale Lane, Wrenthorpe, Wakefield, WF2 0PN
T. +44 (0)1924 381256 E. info@wainwrightla.co.uk

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on the drawing.



LEGEND

- Green Belt (BMBC: GS6, GS8)
- Public Right of Way Footpath / Bridleway
- Local Wildlife Area (BMBC: BIO1)
- Greenspace (BMBC: GI1, GS1)
- Allotments (BMBC: GI1, GS1)
- School Grounds (BMBC: GI1, GS1)
- Listed Building
- Registered Park and Garden
- Proposed Route
- ① Penny Pie Park
- ② Pogmoor Recreation Ground
- ③ Horizon College
- ④ Locke Park

NORTH

0 500m

© Crown copyright and database rights [2018]
Ordnance Survey 0100031673

Client

BARNSLEY Metropolitan Borough Council

Project

HIGHWAY IMPROVEMENTS AT DODWORTH RD/BROADWAY/POGMOOR RD JUNCTION

Title

LANDSCAPE AND PLANNING CONTEXT

Scale	Paper	Fig No.
1:12,50O	A3	03

Wainwright
Landscape Architecture
6 Lindale Lane, Wrenthorpe, Wakefield, WF2 0PN
T. +44 (0)1924 381256 E. info@wainwrightla.co.uk

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on the drawing.



LEGEND

- Proposed Route
- Visual Envelope
- Existing Trees to be Retained
- Trees to be Removed

VISIBILITY

Viewpoint Locations and Effects in opening year:

- 1 Viewpoint Ref - major effect
- 1 Viewpoint Ref - moderate effect
- 1 Viewpoint Ref - slight effect
- 1 Viewpoint Ref - negligible effect

NORTH

0 100m

© Crown copyright and database rights [2018]
Ordnance Survey 0100031673

Client

BARNSLEY Metropolitan Borough Council

Project

HIGHWAY IMPROVEMENTS AT DODWORTH RD/BROADWAY/POGMOOR RD JUNCTION

Title

VISIBILITY AND VIEWPOINT LOCATIONS

Scale	Paper	Fig No.
1:2,500	A3	04

Wainwright
Landscape Architecture
6 Lindale Lane, Wrenthorpe, Wakefield, WF2 0PN
T. +44 (0)1924 381256 E. info@wainwrightla.co.uk

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on the drawing.



EXAMPLE OF MUGA



GABION BASKETS WITH COURSED STONE FRONT AND SOLID CORE 1.5m HIGH



PARK BOW TOP FENCING



PLAY AND LEISURE NEAP



EXAMPLE OF PARK ENTRANCE ARCHWAY FEATURE



PARK BENCH TYPE



LOW TIMBER BOLLARD & RAIL





EXAMPLE OF PARK ENTRANCE ARCHWAY FEATURE



EXAMPLE OF PARK ENTRANCE ARCHWAY FEATURE

MULTI USE GAMES AREA (MUGA) AND OUTDOOR GYM

POTENTIAL BUS STOP LOCATION - TO BE AGREED

NEIGHBOURHOOD EQUIPPED AREA FOR PLAY (NEAP)

POGMOOR ROAD CLOSED TO VEHICULAR TRAFFIC

EXISTING CYCLE ROUTE TO BROADWAY (VIA CROWN HILL ROAD, MOORLAND AVENUE AND WOODLAND DRIVE)

WHITE HILL AVENUE NEW ACCESS ROAD

XMAS TREE LOCATION WITH POWER FEED

POGMOOR ROAD CLOSED TO VEHICULAR TRAFFIC AT JUNCTION WITH DODWORTH ROAD

LOCALISED CARRIAGEWAY WIDENING

LOCALISED CARRIAGEWAY WIDENING

GABION BASKETS TO BE OPEN TEXTURED FOR ABSORPTIVE NOISE PROPERTIES

MAINTENANCE ACCESS AND GATE

MAINTENANCE ACCESS AND GATE

POTENTIAL AREA FOR COMMUNITY ARTWORK

PARK CONTAINER WITH POWER & WATER FEED & PAVED AREA

NEW HORIZON COMMUNITY COLLEGE ACCESS TIE IN TO EXISTING CAR PARK CIRCULATORY ACCESS ROAD

POTENTIAL BUS STOP LOCATION - TO BE AGREED

EXISTING EMERGENCY HELICOPTER LANDING AREA TO BE RELOCATED

HORIZON COMMUNITY COLLEGE

BARNSLEY TO HUDDERSFIELD RAILWAY

ST. MARTINS CLOSE

ST. CATHERINES WAY

POGMOOR ROAD

GARDEN COURT

WHITE HILL AVENUE

A628 DODWORTH ROAD

HAREWOOD AVENUE

DALESWOOD AVENUE

BEAUMONT AVENUE

GROSVENOR WALK

A628 DODWORTH ROAD

1.5m HIGH GABION BASKETS

2.4m HIGH ACOUSTIC FENCE

2.5m HIGH ACOUSTIC FENCE

KEY

- CARRIAGEWAY
- 3M WIDE SHARED USE FOOTWAY/CYCLEWAY
- FOOTWAY
- GREEN SPACE
- SIGNALISED PEDESTRIAN CROSSING POINT (INCORPORATING CYCLE FACILITIES WHERE REQUIRED)
- PROPOSED STOP LINE
- PROPOSED BOW TOP FENCING
- PROPOSED LOW TIMBER BOLLARD AND RAIL
- PROPOSED AREAS OF REPLACEMENT TREE PLANTING INCORPORATING ORNAMENTAL SHRUB PLANTING, NATIVE TREE AND SHRUB SCREEN PLANTING - REFER TO LANDSCAPE VISUAL IMPACT ASSESSMENT
- EXISTING TREE TO BE REMOVED
- TREE PROTECTION AREA

FOR EXISTING STORY TRAIL REFER TO DWG HD/7122127/C/2

NOTES

CONSULTATION IS CURRENTLY TAKING PLACE WITH SYPTE AND STAGECOACH OVER NEW BUS STOP PROVISION

CONSULTATION IS ONGOING WITH EMBRACE CHILDRENS CHARITY REGARDING ACCOMMODATING THEIR AIR AMBULANCE EITHER ON OR OFF SITE

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. 100022264 (2009).

Rev.	By	Amendments	Date
A		Addition of proposed park features, noise barriers, trees to be removed/retained, new trees to be planted and change to key	Nov 18

BARNSLEY Metropolitan Borough Council

Project: A628 DODWORTH RD / BROADWAY JUNCTION IMPROVEMENT

Drawing title: GENERAL LAYOUT

Scale	Drawn	Checked	Date
1:500			NOV 2018

Drawing No.	Revision	File
HD/7122127/C/1	A	

Paul Castle Service Director Place Directorate
Environment & Transportation (Business Unit 6)
P.O. Box 601, Westgate Plaza One, Westgate
Barnsley. S70 9FA
Tel. (01226) 770770 Fax. (01226) 772222



LEGEND

- Existing Trees to be Retained
- Existing Footpaths to be Retained
- Barnsley to Huddersfield Railway Line
- Proposed Park Railings
- Proposed Acoustic Fence
- Proposed Gabion Acoustic Barrier
- Proposed Replacement Tree Planting
- Proposed Ornamental Shrub Planting
- Native Tree and Shrub Screen Planting
- Proposed Gateway Feature
- Proposed Pedestrian Access Points
- Proposed Footpaths
- Pedestrian Route Penny Pie Park to Pogmoor Recreation ground
- Proposed Maintenence Access Point

NORTH

0 50m

© Crown copyright and database rights [2018]
Ordnance Survey 0100031673

Client
BARNSLEY Metropolitan Borough Council

Project
HIGHWAY IMPROVEMENTS AT DODWORTH RD/BROADWAY/POGMOOR RD JUNCTION

Title
MITIGATION OF LANDSCAPE AND VISUAL EFFECTS - PENNY PIE PARK

Scale	Paper	Fig No.
1:1,250	A3	06A

Wainwright
Landscape Architecture
6 Lindale Lane, Wrenthorpe, Wakefield, WF2 0PN
T. +44 (0)1924 381256 E. info@wainwrightla.co.uk

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on the drawing.

POGMOOR ROAD

ST OWENS DRIVE

POGMOOR ROAD

ST MARTIN'S ROAD

ST CATHERINES ROAD

SURFACED ROUTE
WITH SEATING

SEATING AREA

POGMOOR
RECREATION
GROUND

EXISTING ENVIRONMENTAL
AREA WITH FRUIT TREES

PENNY PIE
PARK

PART OF
STORY BOOK
TRAIL
RELOCATED

AREA FOR REPLACEMENT
PLAY AREA (NEAP), MUGA
AND OUTDOOR GYM

NEW
ENTRANCE

PENNY PIE
PARK

NEW
ENTRANCE

POGMOOR ROAD

LEGEND

- Existing Trees to be Retained
- Existing Footpaths to be Retained
- Barnsley to Huddersfield Railway Line
- Proposed Park Railings
- Proposed Acoustic Fence
- Proposed Gabion Acoustic Barrier
- Proposed Replacement Tree Planting
- Proposed Ornamental Shrub Planting
- Native Tree and Shrub Screen Planting
- Proposed Gateway Feature
- Proposed Pedestrian Access Points
- Proposed Footpaths
- Pedestrian Route Penny Pie Park to Pogmoor Recreation ground
- Proposed Maintenence Access Point

NORTH

0 50m

© Crown copyright and database rights [2018]
Ordnance Survey 0100031673

Client
BARNSLEY
Metropolitan Borough Council

Project
HIGHWAY IMPROVEMENTS AT DODWORTH RD/BROADWAY/POGMOOR RD JUNCTION

Title
MITIGATION OF LANDSCAPE AND VISUAL EFFECTS - POGMOOR RECREATION GROUND

Scale	Paper	Fig No.
1:1,250	A3	06B

Wainwright
Landscape Architecture
6 Lindale Lane, Wrenthorpe, Wakefield, WF2 0PN
T. +44 (0)1924 381256 E. info@wainwrightla.co.uk

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on the drawing.

Viewpoint 1. From Dodworth Road outside No 242.



Viewpoint 2. From Dodworth Road on pedestrian crossing by Moorland Avenue.



Viewpoint 3. From Dodworth Road outside No 279.



Viewpoint 4. From Dodworth Road/ Pogmoor Road junction SW corner.



Viewpoint 5. From Dodworth Road/ Pogmoor Road junction SE corner.



Viewpoint 6. From Dodworth Road/ Pogmoor NW corner







Viewpoint 7. From outside Boundary Court flats.



Viewpoint 8. From 2 The Broadway bungalow and footpath.



Viewpoint 9. From outside 7 Broadway



Viewpoint 10. From outside 35 Broadway.



Viewpoint 11. From outside 45 Broadway



Viewpoint 12. From outside 8 Broadway.



Viewpoint 13. From outside 2 Whitehill Grove



Viewpoint 14. From outside 14 Whitehill Grove.



Viewpoint 15. From Whitehill Grove near junction with Pogmoor Rd.



Viewpoint 16. From outside Garden Court looking eastwards across Pogmoor Road.



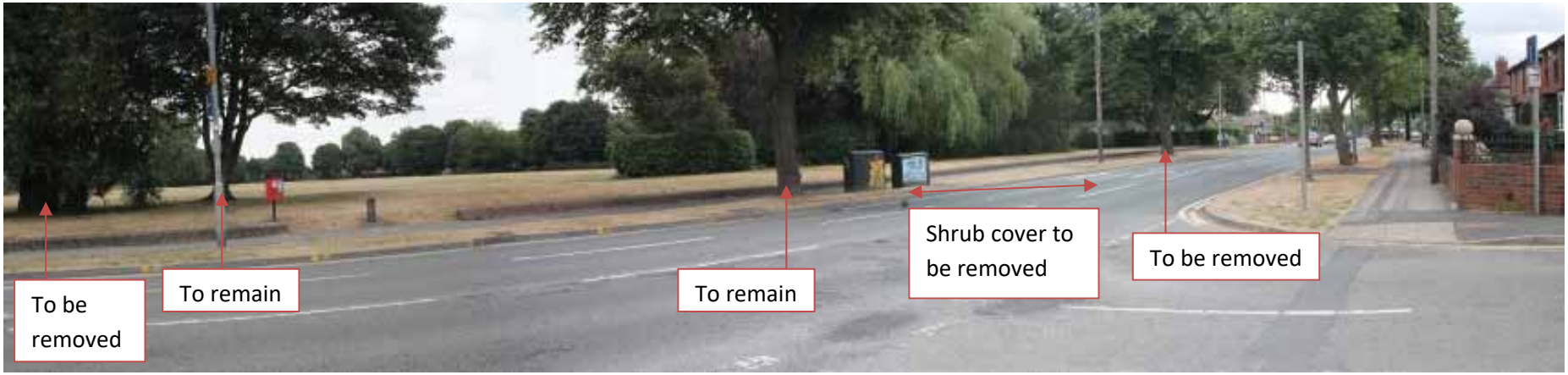
Viewpoint 17. From near 133,135 Pogmoor Rd.



Viewpoint 18. From near 133,135 Pogmoor Rd.



Viewpoint 19. From 135 Pogmoor Rd.



Viewpoint 20. From 141 Pogmoor Rd.



Viewpoint 21a. From outside 192 Dodworth Road looking west.



Viewpoint 21b. From outside 192 Dodworth Road Rd looking east.



Viewpoint 22. At pedestrian crossing near new access point to Horizon College.



Viewpoint 23. From Horizon College main pedestrian/cycling route



Viewpoint 24. From NW corner of Horizon College.



Viewpoint 25 . From Horizon College at SW corner of building



Viewpoint 26. From outside 187 Dodworth Road and Dorothy House driveway.



Viewpoint 27. From outside 247 Dodworth Road.



Viewpoint 28. From outside 168 Dodworth Road



Viewpoint 29. From outside 146 Dodworth Road



Viewpoint 30. From north side of Dodworth Road near Grosvenor Walk junction



Viewpoint 31. From outside 237 Dodworth Road



Viewpoint 32. From footpath on east side of Penny Pie Park.



Viewpoint 33. From footpath entrance to Penny Pie Park from Grosvenor Park.



Viewpoint 34. From footpath on north side of Penny Pie Park, just on west side of natural area



Viewpoint 35. From entrance to Pogmoor Recreation Ground from St Owen's Drive.



Viewpoint 36. From rear of 160 Pogmoor Road.



Viewpoint 37. From car park at end of Glendale Close.



Viewpoint 38. From southern boundary of Pogmoor recreation ground by gap in vegetation along railway cutting.



Viewpoint 39. From junction of St Catherine's Way with St Owen's Drive.



Viewpoint 40. From lower south end of St Martin's Close (in Feb 2017)



Appendix C - Methodology

C1 Introduction

C1.1 The assessment of landscape and visual effects will be undertaken using methodology developed from current published best practice. This Includes:

- Design Manual for Roads and Bridges, Volume 11, Section 3 Part 5 Landscape Effects, Highways Agency, 1993 (as amended);
- Guidelines for Landscape and Visual Impact Assessment 3rd Edition, Landscape Institute and Institute of Environmental Management and Assessment, 2013;
- Landscape Character Assessment – Guidance for England and Scotland, Countryside Agency and Scottish Natural Heritage, 2002.

C1.2 Where a professional assessment or judgement has been made in the report, the methodology and criteria used are as defined in the following paragraphs. The assessment will consider impacts during the construction period, operation in the Opening Year and the Design Year 15 years after opening when mitigation and planting can be expected to be established and performing any character or screening function.

C2 Sensitivity of Landscape

C2.1 The sensitivity of the landscape character to changes associated with the proposed development is defined as high, medium or low based on professional interpretation of a combination of the following parameters:

- Landscape value - local, regional or national landscape statutory designations and non-statutory designated areas;
- Landscape scale, land cover, texture and form; and
- Landscape character.

TABLE ONE. Definition of Landscape Receptor Sensitivity

High	Areas of high value and high visibility. Key characteristics and features which contribute significantly to the distinctiveness and character of the landscape type. Designated landscapes e.g. National Parks and landscapes assessed as having low capacity to accommodate proposed form of change.
Medium	Areas of high to medium value where there is some scope for change involving features that are already present to some extent within the landscape, and if it can be accommodated within pockets of low visibility within the landscape, for example in valleys, within an enclosing landform or woodland.
Low	Areas of medium to low value of little harmony and unity where change would go unnoticed amongst a disparate range of features or may have a positive impact in removing or replacing degraded or derelict features, being accommodating of the proposed change subject to design and mitigation.

C3 Sensitivity of Visual Receptors

C3.1 The sensitivity of visual receptors is described as high, medium or low. The sensitivity of visual receptors and views will depend on the context, direction and extent of the view; the importance of the view; activity of the receptor, and frequency and duration of the view.

TABLE TWO Definition of Visual Receptor Sensitivity

Sensitivity	Definition of Visual receptor
High	The principal views from residential buildings; beauty spots and picnic areas. Visitors to heritage assets, or to other attractions, where views of the surroundings are an important contributor to the experience. Users of outdoor recreational facilities including recreational footpaths, cycle routes or rights of way, whose attention would be focused on the landscape; Viewers of important landscape features with physical, cultural or historic attributes.
Medium	People engaged in outdoor sports or recreation (other than appreciation of the landscape), attractive rural lanes and 'B' roads. Secondary views from residential buildings.
Low	People at their place of work, whose attention may be focused on their work or activity rather than the wider landscape, people travelling through the landscape on A roads, train lines or other main transport routes.

C4 Magnitude of Change to Landscape Character

C4.1 The magnitude of change to Landscape Character arising from the proposed development at any particular point is described as high, medium, low or negligible based on the interpretation of a combination of largely quantifiable parameters as follows:

- The size of the area of ground affected by the development
- The components and characteristics of landscape character, designation or land classification types affected by the development
- The value placed on the landscape character, designation or land classification types affected by the development within the study area;
- The proportion of the landscape characters, designations or land classification types affected by the development within the study area

C5 Magnitude of Change to Visual Amenity

C5.1 The magnitude of change to Visual Amenity arising from the proposed development at any particular viewpoint is described as high, medium, low or negligible based on the interpretation of a combination of largely quantifiable parameters as follows:

- Scale of change in the view
- Degree of contrast with the existing view
- Distance of the viewpoint from the development

- Duration and nature of impact
- Angle of view in relation to main receptor activity
- Proportion of the field of view occupied by the development
- Background to the development
- Extent of other built development visible, particularly vertical elements.

TABLE THREE Definition of Magnitude of Change for both Landscape Character and Visual Amenity.

High	Total loss of or major alteration to key elements/ features/ characteristics of the baseline i.e. pre-development landscape or view and/or introduction of elements considered to be totally uncharacteristic when set within the attributes of the receiving landscape
Medium	Partial loss or alteration to one or more key elements/ features/ characteristics of the baseline i.e. pre-development landscape or view and/or introduction of elements that may be predominant but may not necessarily be considered to be substantially uncharacteristic when set within the attributes of the receiving landscape
Low	Minor loss or alteration to one or more key elements/ features/ characteristics of the baseline i.e. pre-development landscape or view and/or introduction of elements that may not be uncharacteristic when set within the attributes of the receiving landscape.
Negligible	Very minor loss or alteration to one or more key elements/ features/ characteristics of the baseline i.e. pre-development landscape or view and/or introduction of elements that are not uncharacteristic within the surrounding landscape – approximating the 'no change' situation

C6 Significance of Effects Criteria

C6.1 The potential significance of effects of the development on both landscape character and visual amenity are described as negligible, slight, moderate or major based on a combination of the magnitude of change imparted by the proposals and the sensitivity of the receptor to change.

TABLE FOUR Determination of significance of effects.

	Magnitude of Change			
Sensitivity of the receptor	**Negligible**	**Low**	**Medium**	**High**
High	Negligible	Moderate	Moderate	Major
Medium	Negligible	Slight	moderate	Moderate
Low	Negligible	Slight	Slight	Moderate

C6.2 The above consideration of the sensitivity of the receptors with the magnitude of the potential effects provides an overall assessment of the potential significance of impacts. However, this process is not a quantitative process; there is not an absolute scoring system. And although considerations are made according to recognised features and methods of working, as outlined in this report, the correlation of the two factors is a matter of professional judgement.

Adverse or Beneficial

C6.3 All effects will be either adverse, beneficial or neutral.

C6.4 When assessing effects on Landscape Resource, the following categorisation has been used:

- Adverse - key characteristics are weakened
- Neutral - key characteristics are not affected
- Beneficial - key characteristics are strengthened.

When assessing Visual Amenity the following categorisation has been used:

- Adverse - there is detriment of Visual Amenity or Landscape Character
- Neutral - the value of the view or landscape is not affected
- Beneficial - there is improvement to Visual Amenity or Landscape Character.

C6.5 A definition of the measure of the overall effect of the proposals on landscape character is described below.

TABLE FIVE Definition of Significance of Effects Criteria for Landscape Character

Significance	Definition
Major adverse.	The proposals would be at considerable variance with the local landscape. They would degrade, diminish or destroy a highly valued landscape or its characteristic features or elements. They would be substantially damaging to a high quality landscape.
Moderate adverse	The proposals would be out of scale with the landscape or at odds with the local pattern and landform. They would leave an adverse impact on a landscape of recognised quality.
Slight adverse	The proposals would not quite fit into the landform and scale of the landscape. They would affect an area of recognised landscape character.
Neutral	The proposals would complement the scale, landform and pattern of the landscape. Existing landscape quality would be maintained.
Slight beneficial	The proposals have some potential to improve the landscape quality and character; they would fit in with the scale, pattern and or landform of the landscape; they would enable the restoration of some valued landscape features partially lost through other land uses.
Moderate beneficial	The proposals have the potential to improve the landscape quality and character; they would fit in with the scale, pattern and landform of the landscape; they would enable the restoration of valued landscape features partially lost through other land uses
Major beneficial	The proposals would have the potential to fit in very well with the landscape character; to improve the quality of the landscape through removal of damage caused by existing land uses.

C6.6 A definition of the measure of the overall effect of the proposals on visual amenity is described on the next page.

TABLE SIX Definition of Significance of Effects Criteria for Visual Amenity

Significance	Definition
Major adverse.	The scheme would cause a significant deterioration in the existing view. Total loss of or major alteration to key elements / features / characteristics of the view and/or introduction of elements considered to be totally uncharacteristic when set within the attributes of the existing view. A high proportion of the view affected.
Moderate adverse	The scheme would cause a noticeable deterioration in the existing view. Partial loss or alteration to one or more key elements/ features/ characteristics of the view and/or introduction of elements that may be predominant but may not necessarily be considered to be substantially uncharacteristic when set within the attributes of the existing view. A medium proportion of the view affected.
Slight adverse	The scheme would cause a barely perceptible deterioration in the existing view. Minor loss or alteration to one or more key elements/ features/characteristics of the view and/or introduction of elements that may be predominant but may not necessarily be considered to be substantially uncharacteristic when set within the attributes of the existing view. A small proportion of the view affected.
Neutral	No discernible deterioration or improvement in the view.
Slight beneficial	The scheme would cause a barely perceptible improvement in the existing view. Introduction of minor, but positive elements, characteristic of the positive elements in the existing view, or removal of negative ones. A small proportion of the view affected.
Moderate beneficial	The scheme would cause a noticeable improvement in the existing view. Introduction of positive elements, characteristic of the positive elements in the existing view, or removal of negative ones. A moderate proportion of the view affected .
Major beneficial	The scheme would cause a significant improvement in the existing view. Introduction of positive elements, characteristic of the positive elements in the existing view, or removal of negative ones. A high proportion of the view affected.