DODWORTH ROAD GYRATORY GREENSPACE APPRAISAL

JULY, 2018



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BARNSLEY Metropolitan Borough Council

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Project Role	Name	Position	Actions Summary	Date
Researcher	Lucy Sykes	Graduate Urban Designer		14/12/2017
Project Manager / Technical Specialist	Pratibha Bhatt	Senior Urban Designer		31/05/2018
Qualifying Body				
Director/QA	Becky Mather	Regional Design Director		31/05/2018
Technical Specialist				

Document Name	Revision	Date	Alterations
60545510_MasterplanReport	001	29/01/2018	NA
60545510_MasterplanReport	002	02/02/2018	Updated existing landuse map as per comments and added cost section. MUGA complies with planning policy on all the options.
60545510_MasterplanReport	003	06/01/2018	Final Greenspace Appraisal Report
60545510_MasterplanReport	004	19/07/2018	Replaced Fig 2.1 and added Fig 2.5
60545510_MasterplanReport	005	20/07/18	Remove confidential note
60545510_MasterplanReport	006	02/08/18	Changed NEAP to LEAP on options.

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1.INTRODUCTION

AECOM have been commissioned to assist Barnsley Metropolitan Borough Council to prepare a Greenspace Appraisal to address the impact of the delivery of the proposed A628 Dodworth Road highway improvement scheme, and to suggest potential solutions that could upgrade and enhance the Local Neighbourhood Green Space known as Penny Pie Park.

Barnsley Metropolitan Borough Council commissioned AECOM to undertake a high level assessment of the cumulative impact of the forecast traffic in and out of Barnsley via Junction 37 of the M1 Motorway. Of particular consideration was the impact of traffic at the existing Dodworth/Pogmoor Road junction.

It was concluded that the crossroad junction was nearing capacity and would be unlikely to accommodate the additional forecast development traffic that will be generated from current planning permissions, together with the employment and housing opportunities identified in the existing Core Strategy, and be able to operate within capacity.

The starting point for the council when seeking to address capacity issues on the network is to consider whether or not it would be possible to achieve the necessary modal shift from private car usage to more sustainable modes of transport such as public transport or active travel (cycling & walking). Not only would these potentially become a better way of addressing health and air quality but they would also be a more effective way of reducing carbon emissions and the associated impact of climate change. In terms of active travel, the Council is involved in a number of initiatives to promote walking and cycling. Over the past 4 years, £3.9m external capital funding has been secured and provided improved and new cycleways within the borough (including Dearne Valley Enterprise Corridor and Pontefract Road to Town Centre) and £1.1m external revenue funding has been secured to promote and encourage active travel in the borough including the Cycle Hub, Dr Bike and Bike Loans. The Council is currently developing its Active Travel Strategy and will seek to ensure that walking and cycling routes are considered and promoted throughout the design and delivery of any potential highway improvements in the borough. However, it is recognised that it is unlikely that the modal share of active travel within the borough will increase to such an extent that it would not be necessary to improve the capacity of the Dodworth Road/Broadway/Pogmoor Road junction.

Therefore a number of highway design solutions were produced, and after significant testing of the network layout options, the proposed Dodworth Road Highway scheme, when compared to the other potential options, has the greatest impact on the greenspace when compared to other options. All of the options encroached into the greenspace to some extent, but this scheme is predicted to have the greatest level of benefit in terms of capacity, reduction in journey times and reduced delays, but in contrast, unlike some of the alternative options, it does not result in the demolition of any residential properties. It will provide better access to the redeveloped Town Centre from the M1 and to the western side of the borough, and will be designed to have sufficient capacity allowing the future growth aspirations of the borough to be accommodated.

This piece of work will explore these effects before suggesting potential solutions to address the impact of the proposed Dodworth Road Highway scheme on the Local Neighbourhood Green Space known as Penny Pie Park.



Pogmoor Road entrance to Penny Pie Park

2.AIMS AND OBJECTIVES

The proposed Dodworth Road Highway scheme Greenspace Appraisal aims to assess the impact of the proposed Dodworth Road Highway scheme on the Local Neighbourhood Green Space known as Penny Pie Park. It also aims to illustrate potential options to reduce the level of harm through landscape and public realm upgrades to Penny Pie Park, Pogmoor Recreation Ground and the upgrading of play facilities nearby to address the impact of the scheme and compensate for the loss of green space.

This will be captured within an indicative Greenspace Appraisal, detailing options that could provide an alternative to compensate for the lost green space within Penny Pie Park.

The scope of the Greenspace Appraisal report includes:

- Qualitative appraisal of Penny Pie Park and Pogmoor Recreation Ground to review existing facilities using the Green Flag Award assessment and guidelines.
- Review the function of Pogmoor Recreation Ground and suggest improvements to compensate for loss of green space facility within Penny Pie Park.
- **Study of the existing land use by mapping significant green space/ leisure/** community facilities and public rights of way within a 2 mile radius of the park, in order to identify any shortfalls in the area.
- A high level review of Local and National Planning Policy and greenspace standards to help inform the assessment of the landuse and facilities on Penny Pie Park and the wider Barnsley area.
- Assess the impact of the proposed highway scheme on Penny Pie Park, and suggest potential mitigation measures through landscape and public realm upgrades to Penny Pie Park, Pogmoor Recreation Ground and upgraded play facilities nearby.
- A broad brush cost appraisal for the potential opportunities and upgrades based on the high level Greenspace Appraisal options.

3.BASELINE, OPPORTUNITIES AND CONSTRAINTS

3.1.1 DESCRIPTION OF PENNY PIE PARK

Penny Pie Park is a Local Neighbourhood Green Space which covers an area of 4.92ha. It is bordered by Pogmoor Road to the west, Dodworth Road/A628 to the south, and the Barnsley to Huddersfield rail line to the north. The park is approximately 500m to the east of Junction 37 of the M1, with Dodworth Road acting as a primary vehicular route into Barnsley Town Centre.

Within the park are several recreational facilities, including a children's play area, a Multi-Use Games Area (MUGA), and outdoor gym equipment. A cleared site and pick up area in the south-east facilitates the landing of air ambulances by agreement with Parks Services. Mature trees and hedgerow of low density provide a soft landscaped border against Pogmoor Road and Dodworth Road, whilst domestic fencing and mature trees border the eastern edge of the park. The northern edge of the park slopes down an embankment towards the rail line, and is populated with high density vegetation which provides an effective border from the railway itself. Whilst the open grassland is maintained across the park, an area of landscape diversity is present in the north of the park, defined by longer grass and semi-enclosed by a cluster of trees.



Formal entrance to Penny Pie Park with Welcome board



MUGA ,Outdoor Gym and Children facilities at Penny Pie Park



Pogmoor /Dodworth Road connecting Junction 37 to M1 abutting Penny Pie Park

3.1.2 DESCRIPTION AND REVIEW OF POGMOOR RECREATION GROUND

Whilst the Dodworth Road Highway scheme directly impacts Penny Pie Park, Pogmoor Recreation Ground immediately to the north of the rail line has been identified as a suitable area that could be enhanced to compensate for the loss of green space on Penny Pie Park. Therefore for this reason, the context of Pogmoor Recreation Ground has been considered within the Greenspace Appraisal, although the Green Flag Award and Green Space assessments will focus primarily on Penny Pie Park.

Pogmoor Recreation Ground is located off Pogmoor Road and can be accessed via Glendale Close which is serviced by a small car park with 15 parking spaces. It is also accessible by foot via St. Owens drive. The Park is surrounded by housing developments on two sides, with the DVSA driving test centre and car park on the east. The Barnsley to Huddersfield railway link runs to the south of the site. The Pogmoor Recreation Ground is adjacent to Penny Pie Park and is divided only by the railway link.

The facilities include a green grass pitch which is home to the local football team, AFC Pogmoor. The car park serving the ground is considered to be inadequate and not fit for the purpose, and is currently being extended and resurfaced by the Council, along with patch repairs to the existing pitch area. The Ground is also used by dog walkers within the surrounding area, although there is a lack of suitable footpath, dog litter bins and benches within the grounds.



Existing football pitch - Pogmoor Recreation Ground



Entrance and car parking at Glen Close



View of Penny Pie Park from Pogmoor Recreation Ground across the railway link



Entrance to Pogmoor Recreation Ground from St. Owen's Drive

3.1.3 GREEN FLAG AWARD ASSESSMENT

The following assessment has been carried out in accordance with Green Flag award guidelines and considers the existing quality, facilities and features of Penny Pie Park only. This will help to inform future opportunities and potential upgrades to the Park. Pogmoor Recreation Ground, as compensatory green space, has not been considered within this assessment.

The Green Flag Award scheme recognises and rewards well managed parks and green spaces, and sets the benchmark standard for the management of recreational outdoor spaces on a national and global level. The Green Flag Award assessment includes the following criteria which is used to assess the quality and environment of park spaces:

- A welcoming place
- Healthy, safe and secure
- Well maintained and clean
- Environment
- Management
- Biodiversity, landscape and heritage
- Community involvement
- Marketing and communication

A summary of the assessment which was undertaken for Penny Pie Park is shown in assessment sheets 1, 2 and 3.

Green Flag Award Score Sheet

Green Flag Award

0/1	2/3/4	5/6	7	8	9	10
Very poor	Poor	Fair	Good	Very Good	Excellent	Exceptional

Name of Green Space	Penny Pie Park
Managing organisation	Parks services
Judge(s)	AECOM
Date of Desk Assessment	13/12/2017
Date of Field Assessment	13/12/2017

Scoring

+ Each category must be scored out of 10
+ Work out the average score for desk assessment and multiply by 3 (score out of 30)
+ Work out the average for field assessment and multiple by 7 (score out of 70)
+ By adding the two scores together you will get a final mark
+ For a site to pass each section they must reach a minimum of 15 on the desk assessment and 42 on the field assessment.
+ An overall score of 66 must be scored for a site to achieve Green Flag Award status
+ Rounding up or down of numbers must be done at the very end of each assessment, when you multiple the average.

Strengths and Recommendations

+ Comments and recommendations must be included against each category in the feedback sections. They should be detailed enough to provide constructive information to applicants

Desk Assessment (minimum 15)	12	Field assessment (minimum 42)	38
Total Score	50	Green Flag Awarded	NO

Note: The overall GFA value of 50 is not a full representation of the overall score that might be achieved for Penny Pie Park. It is based on site observations from site visit carried out for this purpose and is not a representation of the views/feedback of the park users or any other organisation involved in the development and use of the green space/Penny Pie Park.

Field Assessment 2

A welcoming Place	Score
1. Welcome 2. Good and Safe Access 3. Signage 4. Equal Access for All	4

Healthy Safe and Secure	Score
5. Appropriate Level of Quality Facilities and Activities 6. Safe Equipment and Facilities 7. Personal Security 8. Control of Dogs/Dog Fouling	4

Well Maintained and Clean	Score
9. Litter and Waste Management 10. Horticultural Maintenance 11. Arboricultural Maintenance 12. Building and Infrastructure Maintenance 13. Equipment Maintenance	5

Environmental Management	Score
14. Managing Environmental Impact 15. Waste Minimisation 16. Chemical Use 17. Peat Use 18. Climate Change Adaption Strategies	4

Biodiversity, Landscape and Heritage	Score
19. Management of Natural Features, Wild Fauna and Flora 20. Conservation of Landscape Features 21. Conservation of Buildings and Structures	5

Community Involvement	Score
22. Community Involvement in Management and Development 23. Appropriate Provision for the Community	7

Marketing and Communication	Score
24. Marketing and Promotion 25. Appropriate Information Channels 26. Appropriate Educational and Interpretational Information	5

Management	Score
27. Implementation of Management Plan	4
Total	38

Note: The GFA value of 38 for the field assessment is not a full representation of the overall score that might be achieved for Penny Pie Park. It is based on site observations from site visit carried out for this purpose and is not a representation of the views/feedback of the park users or any other organisation involved in the development and use of the green space/Penny Pie Park.

Desk Assessment 3

	Score
1. Presentation	4
2. Health, Safety and Security	3
3. Maintenance of Equipment, Buildings and Landscape	3
4. Litter, Cleanliness, Vandalism	5
5. Environmental Management	4
6. Biodiversity, Landscape and Heritage	4
7. Community Involvement	7
8. Marketing and Communication	5
9. Overall Management	5
Total	40
Average (divide by 9)	4
Out of 30 (average x 3)	12

SUMMARY OF PENNY PIE PARK GREEN FLAG AWARD ASSESSMENT

Following a series of site observations, it was assessed that Penny Pie Park currently does not qualify for the Green Flag award. The score of the assessment totalled 50 and fell short of the **minimum qualifying score of 66 which is requisite for the green flag awards. A summary of the** reasons for this shortfall are outlined below:

- **The Park is difficult to access given the presence of Pogmoor Road and Dodworth Road** along its western and southern edges. Crossing points on these roads are considered to be inadequate and infrequent.
- The park lacks sense of arrival, and is only formalised with the presence of one welcome board in the north western corner.
- There is inadequate signage to communicate the presence, functionality, and facilities that **the park offers.**
- The footpaths which serve the park and road system are of low quality, and contribute to perceptions of a poor quality environment.
- An inadequate number of dog litter bins, waste bins and seating serve the park.
- **Whilst shrubs help to define the park edges, overgrown shrubs in some areas reduce the** functionality of the park area.
- **Upon analysis, it is considered that whilst the park offers a pleasant recreational environment,** the space is not being used to its full potential.

3.2 EXISTING LAND USE

Penny Pie Park is located in a predominantly urban setting, within the western edges of the Barnsley settlement area. Land to the west of the park by the M1 is designated as green belt land. However, land within a green belt is used for a variety of purposes, and cannot be assumed to be recreational green space.

In order to understand the context of the park, Figure 1.1 shows the designated areas of green space within a 2 mile radius. Green space in this context refers to all typologies which are defined in the Barnsley Green Space Strategy (2016 update), including parks and open space; child and youth facilities; outdoor sports facilities; green ways; natural and semi-natural areas; allotments and churchyards & cemeteries. The map also shows Public Rights of Way (PROW) and parks & gardens of historic interest.

For the purpose of the map, only significant spaces have been identified, including the District level and Borough level Outdoor Sports Facilities.

Figure 1.1 shows that Penny Pie Park is in proximity to a number of green spaces of varying sizes and typologies, the closest of which is Pogmoor Recreation Ground. A considerable portion of green space within the 2 mile radius is located to the east of Barnsley Town Centre at Dearne Valley Country Park. Despite some PROW permeability across the M1, this highway acts as a significant barrier to green space in the west. Likewise, the Barnsley to Huddersfield rail line also limits access to green spaces to the north.

The PROW network is most established in the greenbelt to the west and the north-east of the study area. There is an opportunity to extend the PROW network across Penny Pie Park, helping to connect wider north-south linkages.

Designated school grounds and Shaw Lane Sports/Barnsley Rugby Football Club account for a considerable proportion of green space within the study area. However, public access to these facilities may be limited.

District/Borough Level Outdoor Sports Facilities

1- Silkstone Golf Club

2- Dodworth Miners Welfare Football Club

3- Shaw Lane Sports/Barnsley Rugby Football Club

4- Barnsley Lawn Tennis Club

5- Honeywell Sports Centre

6- Barnsley Community Football Club

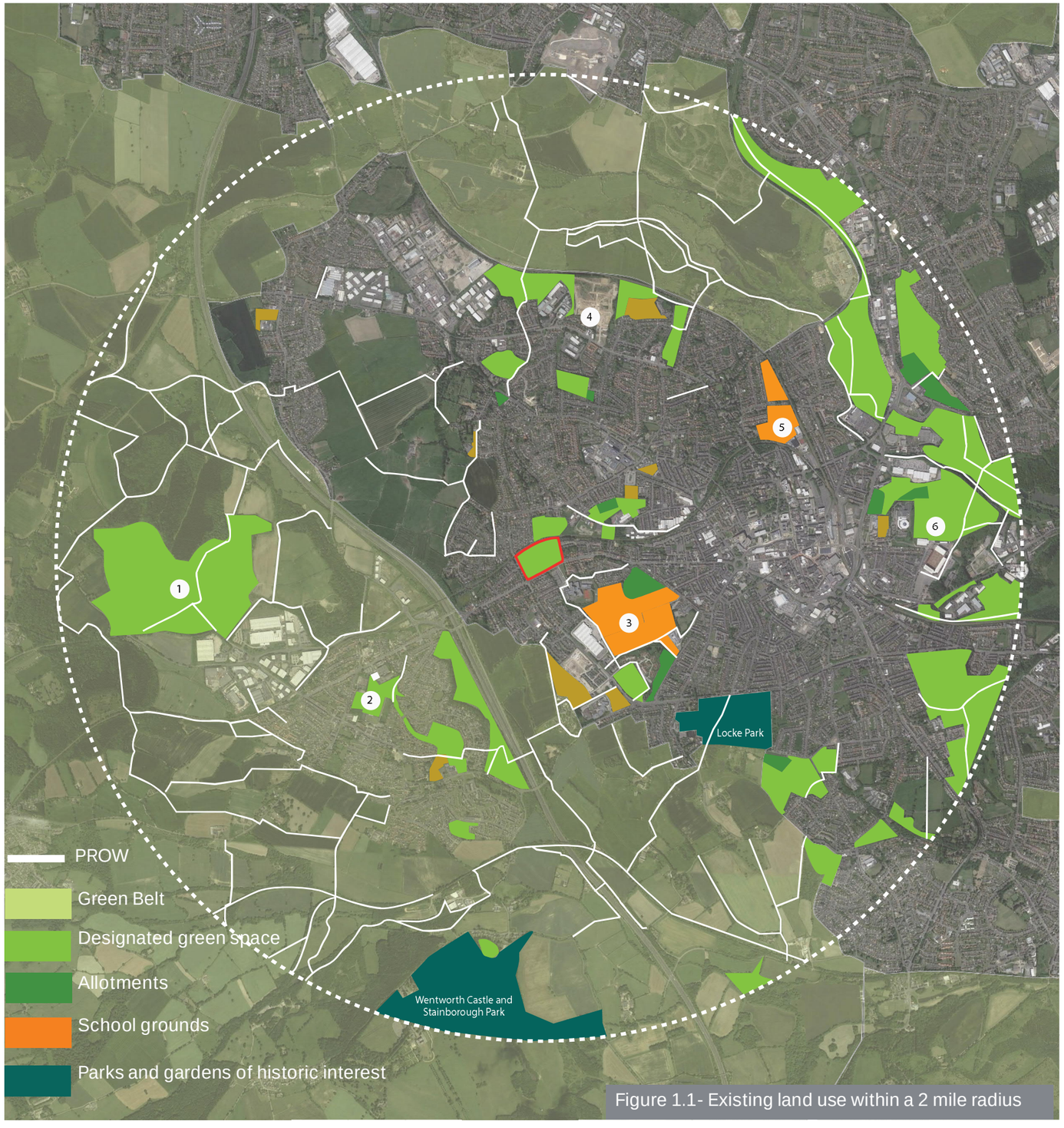


Figure 1.1- Existing land use within a 2 mile radius

3.3 LOCAL AND NATIONAL STANDARDS

NATIONAL PLANNING POLICY FRAMEWORK (2012)

The National Planning Policy Framework (NPPF) was published in March 2012 and forms the key national planning policy document, and is also a material consideration in planning decisions.

Paragraphs 69 to 78 focus on the promotion of healthy communities and in particular, encourage access to high quality open spaces and opportunities for sport and recreation. It tells how Local Authorities should identify specific needs and qualitative or quantitative deficits, and/or surpluses of open space, sports and recreation in Paragraph 73.

The assessments used to identify this local surplus and deficit within the Pogmoor and Town end Neighbourhood area are outlined in the document below.

NATIONAL PLANNING PRACTICE GUIDANCE (NPPG)

National Planning Practice Guidance (NPPG) provides additional guidance to the NPPF, including in relation to open space, sports and recreation, in the form of an online resource.

BARNSLEY EMERGING LOCAL PLAN (2018-2033)

Barnsley Metropolitan Borough Council is in the process of producing a new Local Plan for Barnsley which will replace the existing Statutory Development Plan, and which currently includes the Core Strategy, the Unitary Development Plan, and the Joint Waste Plan. This document is expected to be adopted in late 2018. Of the existing local plan documents, the below policies are considered to be of relevance to the proposed Dodworth Road highway scheme, Greenspace Appraisal.

BARNSLEY UNITARY DEVELOPMENT PLAN (2000)

Policy BE7 (Public Art) outlines how the provision of work of art in public and in developments will be encouraged. This will be considered within the Greenspace Appraisal proposals.

BARNSLEY CORE STRATEGY (2011)

The Barnsley Core Strategy was adopted in September 2011 and sets out the long term strategy for the development of Barnsley.

Strategic Objective 3 within the document states the ambitions of the council to secure safe, healthy and inclusive communities, and to promote wellbeing. By encouraging safe park design, especially in relation to the proposed Dodworth Road highway scheme, the Greenspace Appraisal options for the park will help to support this policy.

Policy CSP 26 (New Development and Highway Improvement) states the requirement for all new development to be designed and built to provide safe, secure and convenient access for all road users. The layout and design of the access points within the proposed park interventions will take into account the access and safety of a variety of users.

Policy CSP 29 (Design) states how development should contribute to place making and be of a high quality which contributes to a healthy, safe and sustainable environment. Development should also contribute towards attractive and successful neighbourhoods. The Greenspace Appraisal will help to maintain a level of access to community and recreational facilities for the Pogmoor and Town End neighbourhood area.

Policy CSP 33 (Green Infrastructure) outlines the commitment of the Council to maintain and enhance a network of Green Infrastructure across Barnsley. It particularly states how developer contributions can be used to create and improve Green Infrastructure. Despite the loss of green space at Penny Pie Park, the Greenspace Appraisal options will consider how the Green Infrastructure network could be enhanced as part of the Proposed Dodworth Road highway scheme.

Policy CSP 35 (Green Space) states that development proposals which result in the loss of green space will only be allowed should an appropriate replacement green space of an equivalent level of accessibility and community benefit be provided. It is hoped that the Greenspace Appraisal options for the park will enhance the local offering and provide an equal or enhanced level of benefit to the park users.

Policy CSP 36 (Biodiversity and Geodiversity) states how development is expected to conserve and enhance the biodiversity features of the borough. Where this is not the case, effective mitigation and/ or compensatory measures must be ensured.

GUIDANCE FOR OUTDOOR SPORT AND PLAY: BEYOND THE SIX ACRE STANDARD (2015)

Produced by Fields in Trust, the guidance provides recommended guidelines to ensure that the provision of outdoor sport, play and informal open space is of a sufficient size to enable effective uses; is of a quality to maintain longevity and in close proximity to dwellings; and to encourage its continued use. It is recommended within the guidance that Equipped/Designated Play Spaces are promoted in the form of:

- Local Areas for Play (LAPs) for young children.
- Locally Equipped Ares for Play (LEAPs) for children who can play independently.
- Neighbourhood Equipped Areas for Play (NEAPs) aimed at older children.

For each of the open space typologies, a minimum size and minimum dimension of each facility is provided. This detail has been used to help determine the layout of proposals at Penny Pie Park.

BARNSLEY PLAYING PITCH STRATEGY 2016-2019 (2016)

The document seeks to guide the future provision and management of sports pitches and community use services in the Barnsley Metropolitan Borough area, and provides a strategy against which Playing Pitch Facilities can be assessed. Within the Strategy, Barnsley is divided into sub areas, within which Penny Pie Park falls into the Central sub area. For each recreational site within the Central sub-area, an action has been provided to ensure its provision, enhancement or protection.

Penny Pie Park is not listed as a site with playing pitch facilities, although it is in proximity to a number of Sites listed within the document, including the Horizon Community College and Pogmoor Recreation Ground.

BARNSLEY GREEN SPACE STRATEGY (2016 UPDATE)

The Barnsley Green Space Strategy was originally adopted by BMBC in 2006 as a strategy for managing local green spaces, and establishing standards for the council to achieve across the Borough. This document has since been updated in order to reflect current planning policy guidance. The Council has established five aims to help maintain local green spaces, as outlined within the document:

- To protect important green spaces from development;
- To create new green spaces and to improve existing ones;
- To create and protect a network of green ways that develop links between green spaces, towns and villages and the countryside;
- To encourage everyone to use green spaces by making sure there are enough of them of the right type and quality in places where people can easily get to them; and
- To make sure we look after and maintain our green spaces so they continue to be used by everyone, now and in the next generation.

As well as definitions for each typology, the strategy provides a set of accessibility standards for the distance between each of the green space typologies and quality standards to determine the size of each space.

For the purpose of this project, the Green Space Strategy is a valuable tool to help identify the value of Penny Pie Park and determine whether the impact of the proposed Dodworth Road highway scheme will result in a shortfall of certain types of green space.

POGMOOR AND TOWN END GREEN SPACE ASSESSMENT (2016)

Based on the standards established within the Green Space Strategy, a Green Space Assessment has been conducted for the Pogmoor and Town End neighbourhood area. Conducted by Barnsley Metropolitan Borough Council, a summary of the 2016 assessment for this neighbourhood area is provided in Table 1.1 and Table 1.2.

The Neighbourhood Area does not have the range of green spaces to meet local standards, and access to green space is notably constrained by major roads and railway line. According to the Green Space Assessment (2016), Penny Pie Park is the largest park within the Pogmoor and Town End area at 4.92 ha. Sugdens Recreation Ground at Stocks Lane is 3.00 ha. However, all other parks and open spaces within the neighbourhood area are below 1.00 ha.

Table 1.1 shows if there is any deficit of certain green space typologies within the Pogmoor and Town End neighbourhood area, the quality of those which exist, and if there is any opportunity to address the findings within the proposed highway scheme development.

It suggests there is an opportunity to provide the following types of green space to help meet the neighbourhood deficiency:

- District green space
- Locally equipped area for play
- Neighbourhood equipped area for play
- Youth facility
- Local neighbourhood sports facility
- Green ways
- Natural areas

Table 1.2 indicates the green space typologies which are provided at Penny Pie Park, their quality and the value of the assets. The park currently provides a range of typologies, the majority of which are of a good and improving quality. Given the high value of all of the present typologies, these green spaces should be retained within the park boundary if possible, or the provision should be offset elsewhere if possible within the neighbourhood following the development of the proposed highway scheme.

Table1.1-Neighbourhood Access and Typology of Green Space,
(Extract from Pogmoor and Town End Green Space Assessment 2016)

Type	Green spaces you should expect	Are these spaces provided?	Do these spaces meet our standards for accessibility, quality and value?
Parks and open spaces	Local neighbourhood green space	Yes but mostly small sites	Fair to High quality but mixed value
	District green space	No. deficient	No green space to assess
	Possible borough green space	Yes, but not within the area	Good quality and High value
Child and youth facilities	Equipped play areas	Partly - the west and south east is deficient	Good quality and high value
	Local equipped area for play	Partly, but access is constrained	Good quality and high value
	Neighbourhood equipped area for play	No. Deficient	No Green Space to assess
	Youth facility	Mostly deficient	Fair quality and mixed value
Outdoor sports facilities	Local neighbourhood sports facility	Partly	Fair to High quality and High value
	District sports facility	Yes	Good quality and High value
	Possible borough sports facility	Yes but only in adjoining areas and limited in range of types of sport	Most Fair to Good quality and all High value
Green ways	Green ways should be provided	Limited provision	Fair quality and High value
Natural areas	Natural areas should be provided	No. Deficient, only one within the area	Fair quality
Allotments	Allotments should be provided	Yes - 3 sites	Mixed quality and value

Typology in Penny Pie Park	Quality	Value
Park and Open Space- Local Neighbourhood Green Space	Good and Improving	High
Child and Youth Facility- Local Equipped Area for Play (LEAP)	Good and Improving	High
Child and Youth Facility- Youth Facility	Good and Improving	High
Outdoor Sports Facilities- Local Neighbourhood Sports Facility	Fair and Stable	High

Table 1.2- Green space typology within Penny Pie Park (Summary as taken from Pogmoor and Town End Green Space Assessment 2016)

POGMOOR AND TOWN END CATCHMENT AREAS

The standards as established within the Green Space Strategy have informed a series of maps for the Pogmoor and Town End neighbourhood area.

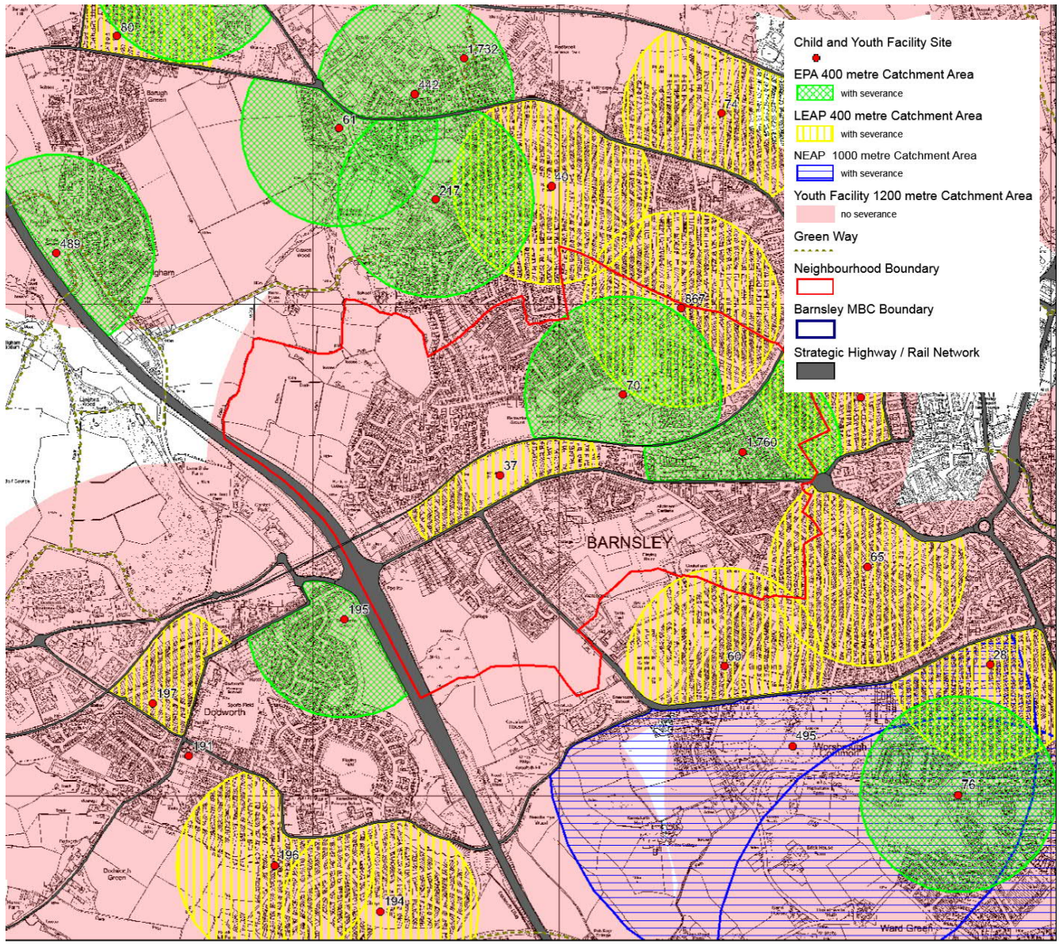


Figure 2.1- Current child and youth facilities within 2 mile radius

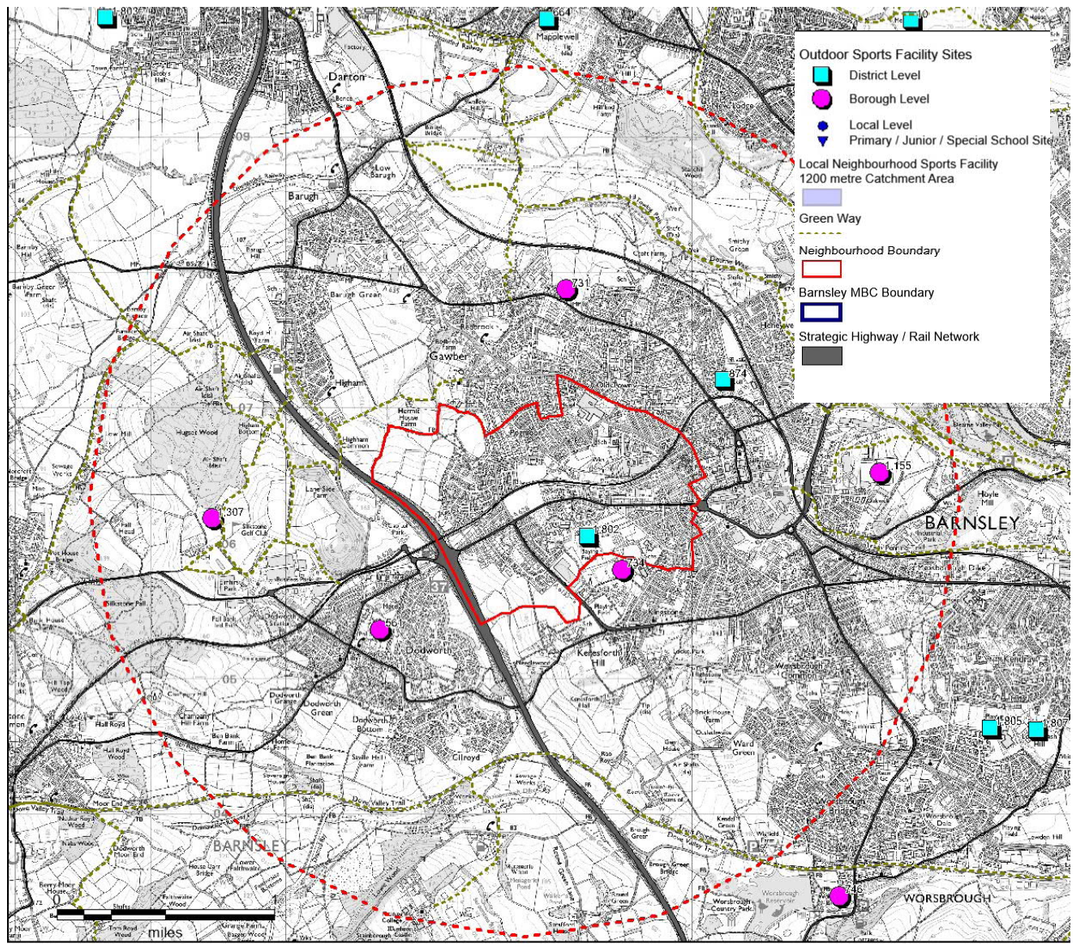


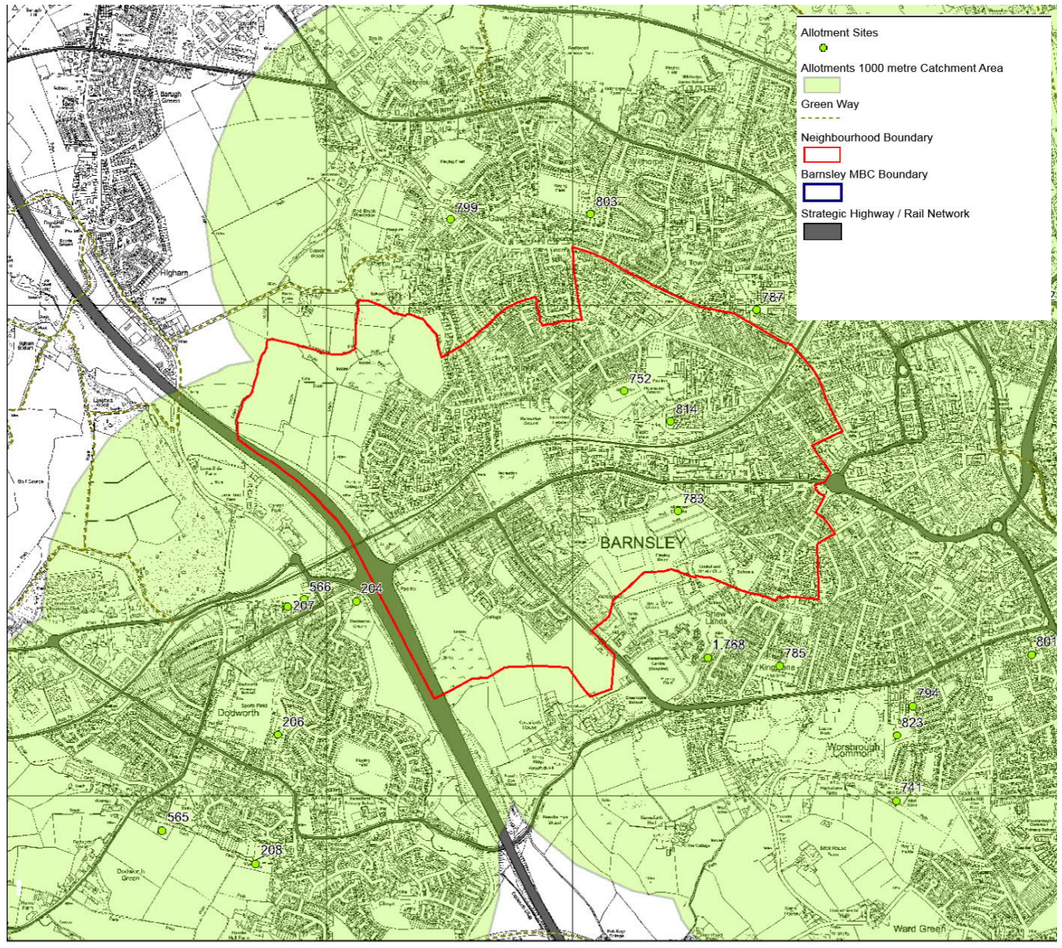
Figure 2.2- Outdoor Sports facilities within 2 mile radius

Child and Youth Facility Sites

There are 2 youth facilities serving Pogmoor and Town End, one of which is within Penny Pie Park and comprises a Multi-Use Games Area (MUGA) and outdoor gym. There are also 2 LEAP standard play facilities serving the area, one of which is located within Penny Pie Park. The proposed scheme will impact on these facilities and there is a need to ensure they are relocated within the retained park area.

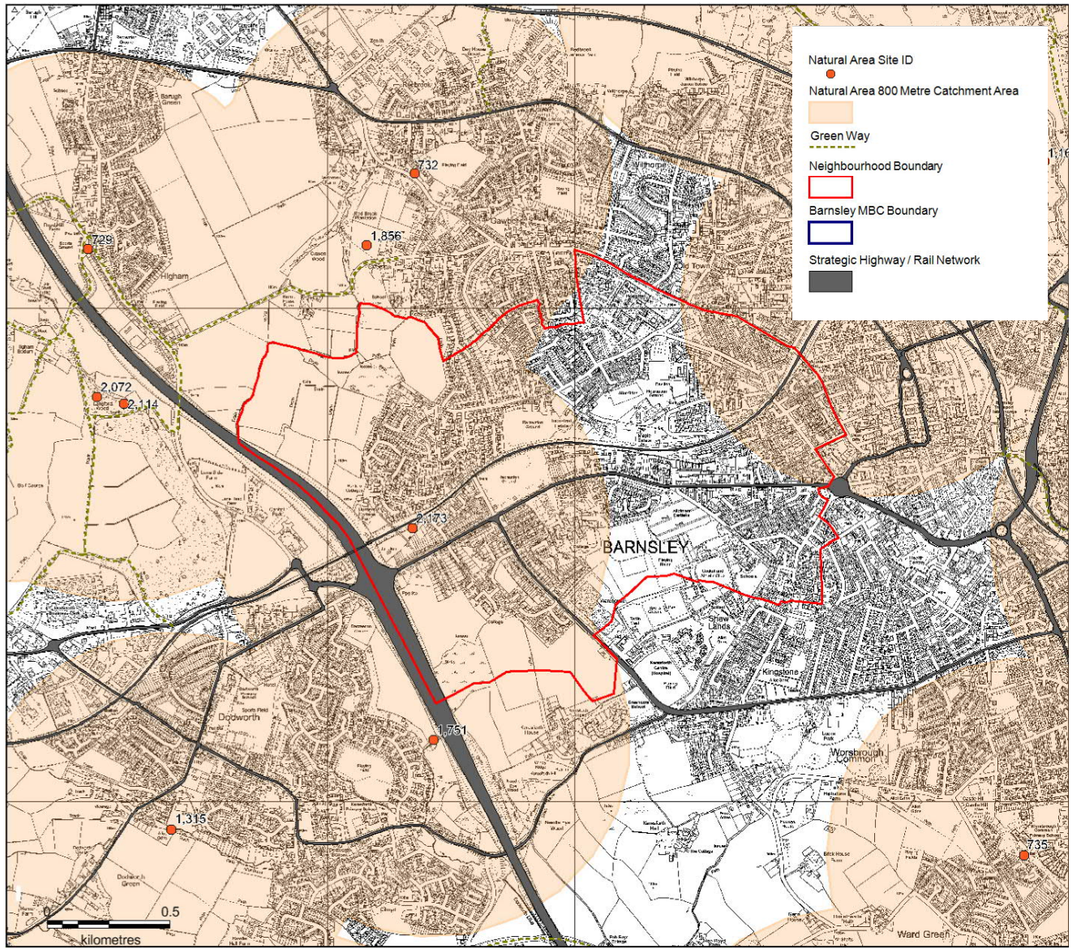
Outdoor Sports Facilities

There are 10 Local Neighbourhood Sports facilities (LNSF) within the Pogmoor and Town End neighbourhood area, although only 4 of these have public access. Penny Pie Park has a LNSF function as it includes sufficient space for informal sports play. The proposed scheme will need to ensure the relocation of the MUGA and outdoor gym within the retained park area. Although the proposed scheme will result in a reduced quantity of greenspace available for the informal sports there are other facilities available in the vicinity e.g. Pogmoor Recreation Ground and therefore it is unlikely to negatively impact on neighbourhood accessibility to this type of green space and there will be no significant impact on the provision of District and Borough level sports facilities in the neighbourhood as a result of these proposals.



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Figure 2.3- Allotments within 2 mile radius



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Figure 2.4- Natural Area Sites within 2 mile radius

Allotment Sites

There are 3 allotment sites within the neighbourhood area. The proposed scheme will not significantly impact on neighbourhood accessibility to this type of green space.

Parks and Open Spaces

There are no District or Borough level Parks within the Pogmoor and Town End neighbourhood area. There are, however, 20 Local Neighbourhood Greenspaces serving the area. One of these is Penny Pie Park which, at 4.92ha, is the largest green space of this type in the neighbourhood area. Currently the majority of the neighbourhood area is within the 400m catchment area for this type of green space. The proposed scheme will result in a reduced quantity of greenspace available. The proposals in the greenspace appraisal will seek to provided qualitative improvements.

Natural Area Sites

There will be no significant impact on the provision of, and accessibility, to the single Natural Area within Pogmoor and Town End as a result of the proposals.

POGMOOR AND TOWN END CATCHMENT AREAS

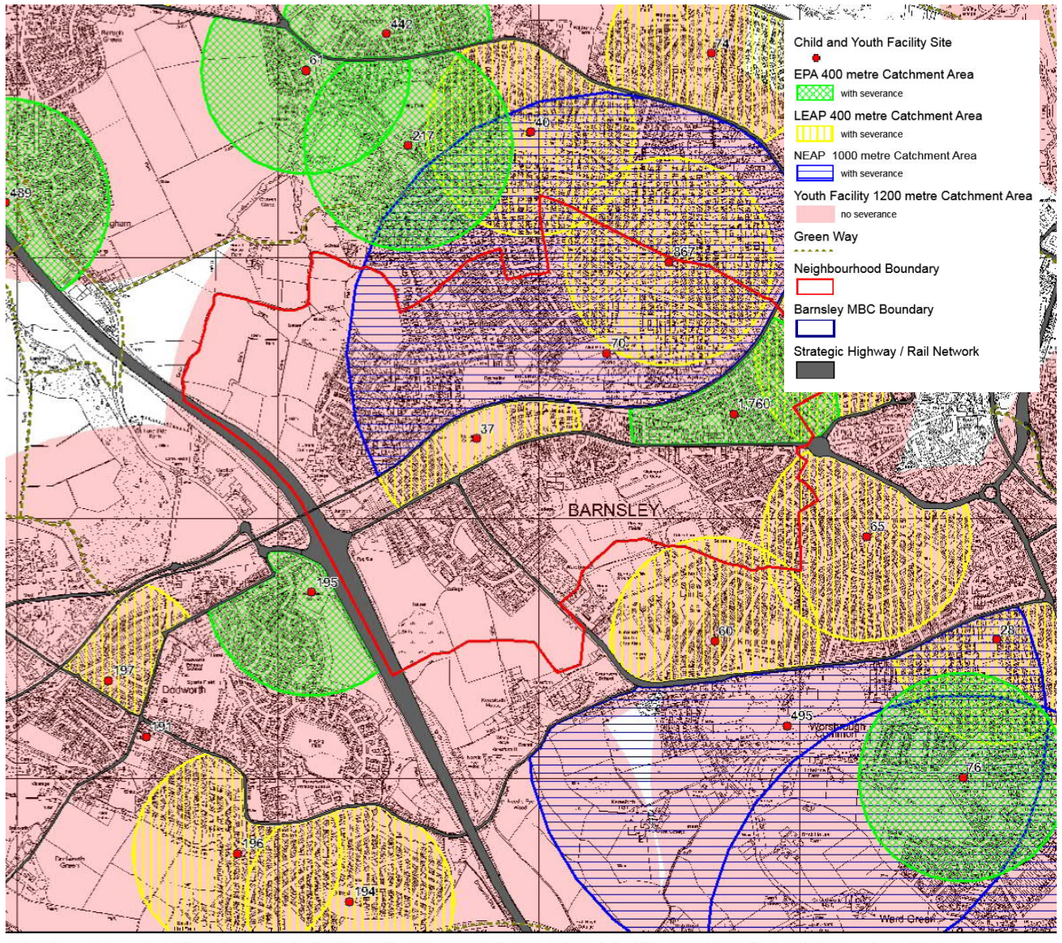


Figure 2.5- Enhanced child and youth facilities within 2 mile radius

Child and Youth Facility Sites

The existing LEAP, MUGA, Outdoor Gym facility will be retained and relocated in the vicinity known as Penny Pie Park, with new footpaths and children's cycle path proposed. Pogmoor Recreation Ground will benefit from improved pedestrian access with provision of footpath, benches and dog fouling bins. Sugdens Recreation ground on Stocks Lane will be upgraded from an EPA to a NEAP, which has a wider catchment area of 1000m, as oppose to 400m.

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4.IMPACT OF GYRATORY ON PENNY PIE PARK



Figure 3.1- The intended layout of the Dodworth Road Gyratory

AECOM have been commissioned to assist Barnsley Metropolitan Borough Council in preparing a Greenspace Appraisal to address the impact of the delivery of the proposed A628 Dodworth Road Highway improvement scheme, and to suggest potential solutions that could upgrade and enhance the green space known as Penny Pie Park.

Barnsley Metropolitan Borough Council commissioned AECOM to undertake a high level assessment of the cumulative impact of the forecast traffic in and out of Barnsley, via Junction 37 of the M1 Motorway. Of particular consideration was the impact of traffic at the existing Dodworth/Pogmoor Road junction.

It was concluded that the crossroad junction was nearing capacity and would be unlikely to accommodate the additional forecast development traffic that will be generated from current planning permissions, together with the employment and housing opportunities identified in the existing Core Strategy, and be able to operate within capacity.

The starting point for the council when seeking to address capacity issues on the network is to consider whether or not it would be possible to achieve the necessary modal shift from private car usage to more sustainable modes of transport such as public transport or active travel (cycling & walking). Not only would these potentially become a better way of addressing health and air quality, but they would also be a more effective way of reducing carbon emissions and the associated impact of climate change. In terms of active travel, the Council is involved in a number of initiatives to promote walking and cycling. Over the past 4 years, £3.9m external capital funding has been secured and provided improved and new cycleways within the borough (including Dearne Valley Enterprise Corridor and Pontefract Road to Town Centre) and £1.1m external revenue funding has been secured to promote and encourage active travel in the borough including the Cycle Hub, Dr Bike and Bike Loans. The Council is currently developing its Active Travel Strategy and will seek to ensure that walking and cycling routes are considered and promoted throughout the design and delivery of any potential highway improvements in the borough. However, it is recognised that it is unlikely that the modal share of active travel within the borough will increase to such an extent that it would not be necessary to improve the capacity of the Dodworth Road/Broadway/Pogmoor Road junction.

Therefore, a number of highway design solutions were produced and after significant testing of the network layout options, the proposed Dodworth Road Highway scheme when compared to the other potential options, is predicted to have the greatest level of benefit in terms of capacity, reduction in journey times and reduced delays. It will provide better access to the redeveloped Town Centre from the M1 and to the western side of the borough, and will be designed to have sufficient capacity allowing the future growth aspirations of the borough to be accommodated.

Whilst having a positive effect on the traffic flow and accessibility of Barnsley, it is recognised that the proposed Dodworth Road Highway scheme significantly encroaches into the park. However, this would occur with each of the potential options assessed, but in contrast, unlike some of the alternative options, it does not result in the demolition of any residential properties.

This piece of work will explore these effects against a number of impact receptors, including access; facilities and features; and noise and visual amenity, before suggesting potential solutions to help address the impact of the proposed Dodworth Road Highway scheme on the urban environment of Penny Pie Park.

4.1 ACCESS

IMPACT

- Formal access points into the park are likely to be lost under the proposed development. Informal access points, as achieved through the existing vegetative borders, are likely to be relocated.
- Desire lines across the open space which currently exist from the west and the north towards Horizon Community College are likely to be interrupted by the highway, altering user walking routes and impacting pedestrian experience as a result.
- The new junctions of the highway scheme will remove signage at certain points, potentially undermining user legibility.
- The existing footpath which runs across the north and the east of the park is likely to be shortened upon development of the highway scheme system, as its edges will be developed as part of the new highway.
- The crossing points which exist across the Pogmoor/Dodworth Road junction and along Dodworth Road, will be altered from their current position.



1- View across the existing Dodworth Road crossing point into the park



2- The existing Penny Pie Park Welcome Board



3- Informal entry opportunities



4- Entry into the Park via Grosvenor Gardens



5- Vegetative border to the south of the park



Figure 4.1- Impact of the gyratory on park access

4.2 FACILITIES AND FEATURES

IMPACT

- Several existing park facilities will be impacted as a result of the highway scheme, including the MUGA, the outdoor gym, the LEAP, and the air ambulance emergency landing site.
- Some trees will require removal should they overlap with the path of the proposed highway scheme. Others may also be lost as part of the proposed development as a result of the construction process.
- The open nature of the park is one of its current assets. However, the functionality of the green space, which will be located internally of the highway scheme, is likely to be reduced from its current state.
- Four bus stops will require relocation.
- An area of landscape diversity to the north of the Site will be compromised and reduced in size. Two benches are likely to be lost due to the layout of the proposed highway scheme system.
- It is important to note that the layout of the proposed highway scheme will impact on Penny Pie Park and result in a reduced quantity of land available for public open space, as the fragmentation of the Park will reduce the opportunities for large events such as the fun fair, the proposed qualitative improvements to existing public open space which are an integral and necessary **part of the scheme will more than compensate for these dis-benefits, and the retained space** should still have the capacity to host smaller community events.



1- Desired line exit into A628 to Horizon College



2- Lost Bus Shelter on Pogmoor Road



3- Children facilities within Penny Pie Park



4- Air Ambulance turning circle and access.



5- Bench along footpath along east edge of site.



Figure 4.2 Impact of the gyratory on park facilities and features

4.3 NOISE AND VISUAL AMENITY

IMPACT

- The proposed highway scheme is likely to alter the views from houses facing onto the park as it will increase the amount of the highway network which will be within vicinity. Despite this, **residents are already overlooking a significant highway network, and so the impact would be** minor.

- **It is the views from within the park which are most likely to be affected by the proposed** development as the highway scheme will increase the presence of highway and transport infrastructure. As such, short views from within the park of the open green space will be interrupted by the highway scheme. Noise disturbance from the functioning of this network may impact on park users.

- The topography and the wooded nature of land to the north of the rail line means that views from dwellings in the immediate north at St Catherines Way/Pogmoor Road cul de sac are already **limited, and are unlikely to be affected. Existing tree cover also helps to address the spread of** noise pollution to these residential units.

- The visual impact from passing vehicles will be altered upon their passage through the park. There is an opportunity to utilise this enhanced exposure to create an attractive gateway into Barnsley Town Centre.

- For park users, noise is likely to increase as there is less opportunity to retreat from the road network or create distance between the road and the park user.



1- Row of housing along A628 with altered views once the Gyratory is built.



2- View from Park edge



3- Queuing traffic on Dodworth- Pogmoor road junction



4-Overgrown vegetation on Penny Pie Park reducing function and use.



5-MUGA and children facility on Penny Pie Park.



Figure 4.3- Impact of the gyratory on visual amenity and noise

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5. GREENSPACE APPRAISAL OPTIONS

5.1 OPPORTUNITIES TO MITIGATE PENNY PIE PARK

Combined, the findings of the Green Flag Award assessment, the Pogmoor and Town End Green Space assessment, and the impact analysis have helped to identify potential opportunities for mitigation and enhancement within Penny Pie Park. Whilst the openness of the park is likely to be compromised, there is an opportunity to enhance the facilities on offer and create a high quality, functional and attractive environment for the neighbourhood area.

Following the Greenspace Appraisal, 3 potential options on Penny Pie Park are included in this section, with additional provisions to enhance Pogmoor Recreation Ground with new footpath trees and benches. High level budget cost for each option are also provided for reference.

In order to address the effects of the proposed Dodworth Road Highway scheme, the facilities and features of Penny Pie Park will require replacement, and connectivity across the park should be maintained. The Greenspace Appraisal proposes that formal access points into the park should be replaced in order to maintain legibility for users, and any loss of trees is quantified and offset within the park.

The MUGA, LEAP and outdoor gym equipment should either be retained on the park, or should be relocated within close proximity to ensure that the provision of this facility remains accessible. It is suggested that existing desire lines are formalised with the development of a footpath across the internal space of the Highway scheme system, whilst the provision of SUDS, if required, could help address the environmental impact. An area of differential planting and habitat improvement would help to address the loss of landscape diversity which currently exists.

At this stage, these Greenspace Appraisals represent broad brush options and potential opportunities that could be delivered to address the impact of the scheme and reduce the level of harm. It is envisaged that they will be used by the Council, as the planning permission applicant, as part of the planning approval process, but the proposals should be flexible enough to allow local stakeholders and users of the park, including the Friends of Penny Pie Park to and others to influence the delivery of the proposals. Under the Greenspace Appraisal options, it is proposed that formal access points into the park are to be replaced in order to maintain legibility for users, and the loss of trees is quantified and offset within the park.



Figure 4.4- Penny Pie Park and Pogmoor Recreation Ground

5.1.1 GREENSPACE APPRAISAL OPTION 1

It is possible to mitigate the effects of the gyratory within the remaining space of Penny Pie Park. This would include the reconfiguration of all facilities and features which are lost under the development, albeit in a reconfigured layout to what currently exists shown on figure 5.1.

This Greenspace Appraisal option 1, would include new footpaths/wanderloop for walking and a cycling path for children, with integrated landscape and benches at convenient locations, and fenced off along the gyratory to provide a safe environment.

This option will also includes a new footpath on Pogmoor Recreation Ground, interspersed with new benches and trees, linking both entrances on Pogmoor Recreation Ground.



Interventions

1. Open informal space
2. Park entrances
3. Desire line
4. Landing site
5. MUGA
6. Parkland rails
7. Children cycle path/ Wanderloop
8. Habitat improvement
9. LEAP
10. Outdoor gym
11. Avenue
12. Public art
13. New footpath -Pogmoor Recreation Ground

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Figure 5.1-Greenspace Appraisal Option 1

OPTION 1- TABLE OF MITIGATIONS - PENNY PIE PARK AND POGMOOR RECREATION GROUND

Table 5a below provides a description of the feature which is proposed within Option 1, and shows an indicative time scale for the features delivery.

Table 5a: Description of mitigations proposed for Option 1

Intervention	Delivery Time scale	Option 1	Relevant Policy/ Documentation
1- Open informal space	Short	Informal space with an open parkland character is to be maintained for a variety of functions. A swale will help to act as a buffer to the gyratory system and will deter users from getting too close to the highway network by providing a soft edge. This will maintain some sense of openness and amenity for local residents.	- Barnsley Green Space Strategy
2- Park entrances	Short	Will be used to maintain the identity of Penny Pie Park and indicate access points. To include paving, signage, lights, planting, bins and benches.	- Core Strategy Policy CSP 26
3- Desire lines	Short	1.8m wide tarmac footpath to facilitate the route currently taken by users of the park and students.	- Core Strategy Policy CSP 29
4- Landing site	Medium	A suitably accessible and protected area will be relocated for the air ambulance. This will consist of a turning circle, flood lights and signage.	
5- Multi Use Games Area (MUGA)	Medium	The existing MUGA will either be relocated or replaced with a standardised unit. Fencing may need to be heightened in order to overcome the proximity of the unit to the new gyratory.	- Guidance for Outdoor Sport and Play
6- Parkland rails	Short term	1.2m high park railings to contain the park to the north and the east. This will create a safe and contained environment for children and dog owners to run their pets.	-Core Strategy Policy CSP 29
7- Wander Loop/ Children's cycle path	Short/Medium	Provide an interesting and safe environment for children to cycle along the loop. Also be used as a footpath and connect to PROW network. The path will be clearly defined and will incorporate various stopping points, such as community art features or benches.	- Core Strategy Policy CSP 33
8- Habitat Improvement	Medium/Long	An area of increased wildlife and landscape diversity will help to mitigate the loss of open green space. This will involve cyclical maintenance of the wildlife area.	- Core Strategy Policy CSP 33 - Core Strategy Policy CSP 36
9- Local Equipped Area for Play (LEAP)	Short	LEAP to allow for 5 points of play equipment, bins, benches and surfacing. This is required in order to ensure that these facilities are not lost within the neighbourhood area. This will be contained with fencing.	-Guidance for Outdoor Sport and Play -Barnsley Green Space Strategy -Core Strategy Policy CSP35
10- Outdoor gym	Short	Relocation of the existing 8 pieces of outdoor gym equipment which is present in the park, helping to maintain the current recreational opportunities.	-Core Strategy Policy CSP35
11- Avenue (and landmark feature)	Medium	Footpath to be widened to create a high quality avenue which is visible on the approach into Barnsley. Trees and lighting to be maintained to create an attractive environment.	- Core Strategy Policy CSP 29
12- Public art	Medium/Long	Public art incorporating Barnsley's mining/ glass making history.	- Core Strategy Policy CSP 29 - UDP BE7
13- New Footpath	Short	New footpath with provision for benches and trees and linking the 2 entrances on Pogmoor Recreation Ground. Lighting to be considered to create safe environment.	- Core Strategy Policy CSP 29

5.1.2 GREENSPACE APPRAISAL OPTION 2

It is possible to mitigate the effects of the gyratory within the remaining space of Penny Pie Park. This would include the reconfiguration of all facilities and features which are lost under the development, albeit in a reconfigured layout to what currently exists shown on figure 5.2.

This Greenspace Appraisal option 2 would include new footpaths/wanderloop for walking / cycle path for children, with integrated landscape and resting spaces/benches at suitable locations. This would be fenced off along the gyratory to provide a safe environment for walkers/outdoor gym users and children. The MUGA would be located in a 1.8m high fenced area within the gyratory for ensuring safety. A wanderloop with integrated landscape and suitable resting points/ benches is provided in the gyratory for dog walking and to encourage natural surveillance.

This option will also include a new footpath on Pogmoor Recreation Ground, interspersed with new benches and trees, linking both entrances on Pogmoor Recreation Ground.

Interventions

1. Open informal space
2. Park entrances
3. Desire line
4. Landing site
5. MUGA
6. Parkland rails
7. Children cycle path/ Wanderloop
8. Habitat improvement
9. LEAP
10. Outdoor gym
11. Wander loop
12. Public art
13. New footpath -Pogmoor Recreation Ground



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Figure 5.2-Greenspace Appraisal Option 2

OPTION 2- TABLE OF MITIGATIONS - PENNY PIE PARK AND POGMOOR RECREATION GROUND

Table 5b below provides a description of the feature which is proposed within Option 2, and shows an indicative timescale for the features delivery.

Table 5b: Description of mitigations proposed for Option2

Intervention	Delivery Timescale	Option 2	Relevant Policy/ Documentation
1- Open informal space	Short	Informal space with an open parkland character is to be maintained for a variety of functions. A swale will help to act as a buffer to the gyratory system and will deter users from getting too close to the highway network by providing a soft edge. This will maintain some sense of openness and amenity for local residents.	- Barnsley Green Space Strategy
2- Park entrances	Short	Will be used to maintain the identity of Penny Pie Park and indicate access points. To include paving, signage, lights, planting, bins and benches.	- Core Strategy Policy CSP 26
3- Desire lines	Short	1.8m wide tarmac footpath to facilitate the route currently taken by users of the park and students.	- Core Strategy Policy CSP 29
4- Landing site	Medium	A suitably accessible and protected area will be relocated for the air ambulance. This will consist of a turning circle, flood lights and signage.	
5- Multi Use Games Area (MUGA)	Medium	The existing MUGA will either be relocated or replaced with a standardised unit. New high fencing to be provided in order to overcome the close proximity of the unit to the new gyratory to ensure safety.	- Guidance for Outdoor Sport and Play
6- Parkland rails	Short term	1.2m high park railings to contain the park to the north and the east. This will create a safe and contained environment for children and dog owners to run their pets.	-Core Strategy Policy CSP 29
7- Wander Loop/ Children's cycle path	Short/Medium	Provide an interesting and safe environment for children to cycle along the loop. Also be used as a footpath and connect to PROW network. The path will be clearly defined and will incorporate various stopping points, such as community art features or benches.	- Core Strategy Policy CSP 33
8- Habitat Improvement	Medium/Long	An area of increased wildlife and landscape diversity will help to mitigate the loss of open green space. This will involve cyclical maintenance of the wildlife area.	- Core Strategy Policy CSP 33 - Core Strategy Policy CSP 36
9- Local Equipped Area for Play (LEAP)	Short	LEAP to allow for 5 points of play equipment, bins, benches and surfacing. This is required in order to ensure that these facilities are not lost within the neighbourhood area. This will be contained with fencing.	-Guidance for Outdoor Sport and Play -Barnsley Green Space Strategy - Core Strategy Policy CSP 35
10- Outdoor gym	Short	Relocation of the existing 8 pieces of outdoor gym equipment which is present in the park, helping to maintain the current recreational opportunities.	-Core Strategy Policy CSP 35
11- Wanderloop	Short	Wanderloop for walking, with trees and stopping points/benches for resting. Landscape and lighting integrated to create attractive environment.	- Core Strategy Policy CSP 29
12- Public art	Medium/Long	Public art incorporating Barnsley's mining/ glass making history.	- Core Strategy Policy CSP 29 - UDP BE7
13- New Footpath	Short	New footpath with provision for benches and trees and linking the 2 entrances on Pogmoor Recreation Ground. Lighting to be considered to create safe environment.	- Core Strategy Policy CSP 29

5.1.3 GREENSPACE APPRAISAL OPTION 3

It is possible to mitigate the effects of the gyratory within the remaining space of Penny Pie Park. This would include the reconfiguration of all facilities and features which are lost under the development, albeit in a reconfigured layout to what currently exists shown on figure 5.3.

This Greenspace Appraisal option 3, would include new footpaths/wanderloop for walking / cycle path for children, with integrated landscape and resting spaces/benches at suitable locations. This would be fenced off along the gyratory to provide a safe environment for children and other users of the park. The MUGA would be located in 1.8m high fenced area within the gyratory for ensuring safety alongwith outdoor gym facilities . A wanderloop with integrated landscape and suitable resting points/ benches is provided within the gyratory for dog walking and to encourage natural surveillance.

This option will also include a new footpath on Pogmoor Recreation Ground, interspersed with new benches and trees, linking both entrances on Pogmoor Recreation Ground.

Interventions

1. Open informal space
2. Park entrances
3. Desire line
4. Landing site
5. MUGA
6. Parkland rails
7. Children cycle path/ Wanderloop
8. Habitat improvement
9. LEAP
10. Outdoor gym
11. Wander loop
12. Public art
13. New footpath -Pogmoor Recreation Ground



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Figure 5.3-Greenspace Appraisal Option 3

OPTION 3- TABLE OF MITIGATIONS - PENNY PIE PARK AND POGMOOR RECREATION GROUND

Table 5c below provides a description of the feature which is proposed within Option 3, and shows an indicative timescale for the features delivery.

Table 5c: Description of mitigations proposed for Option 3

Intervention	Delivery Timescale	Option 3	Relevant Policy/ Documentation
1- Open informal space	Short	Informal space with an open parkland character is to be maintained for a variety of functions. A swale will help to act as a buffer to the gyratory system and will deter users from getting too close to the highway network by providing a soft edge. This will maintain some sense of openness and amenity for local residents.	- Barnsley Green Space Strategy
2- Park entrances	Short	Will be used to maintain the identity of Penny Pie Park and indicate access points. To include paving, signage, lights, planting, bins and benches.	- Core Strategy Policy CSP 26
3- Desire lines	Short	1.8m wide tarmac footpath to facilitate the route currently taken by users of the park and students.	- Core Strategy Policy CSP 29
4- Landing site	Medium	A suitably accessible and protected area will be relocated for the air ambulance. This will consist of a turning circle, flood lights and signage.	
5- Multi Use Games Area (MUGA)	Medium	The existing MUGA will either be relocated or replaced with a standardised unit. New high fencing be provided in order to overcome the close proximity of the unit to the new gyratory to ensure safety.	- Guidance for Outdoor Sport and Play
6- Parkland rails	Short term	1.2m high park railings to contain the park to the north and the east. This will create a safe and contained environment for children and dog owners to run their pets.	-Core Strategy Policy CSP 29
7- Wander Loop/ Children's cycle path	Short/Medium	Provide an interesting and safe environment for children to cycle along the loop. Also be used as a footpath and connect to PROW network. The path will be clearly defined and will incorporate various stopping points, such as community art features or benches.	- Core Strategy Policy CSP 33
8- Habitat Improvement	Medium/Long	An area of increased wildlife and landscape diversity will help to mitigate the loss of open green space. This will involve cyclical maintenance of the wildlife area.	- Core Strategy Policy CSP 33 - Core Strategy Policy CSP 36
9- Local Equipped Area for Play (LEAP)	Short	LEAP to allow for 5 points of play equipment, bins, benches and surfacing. This is required in order to ensure that these facilities are not lost within the neighbourhood area. This will be contained with fencing.	-Guidance for Outdoor Sport and Play -Barnsley Green Space Strategy - Core Strategy Policy CSP 35
10- Outdoor gym	Short	Relocation of the existing 8 pieces of outdoor gym equipment which is present in the park, helping to maintain the current recreational opportunities.	- Core Strategy Policy CSP 35
11- Wanderloop	Short	Wanderloop for walking, with trees and stopping points/benches for resting. Trees and lighting integrated to create attractive environment.	- Core Strategy Policy CSP 29
12- Public art	Medium/Long	Public art incorporating Barnsley's mining/ glass making history.	- Core Strategy Policy CSP 29 - UDP BE7
13- New Footpath	Short	New footpath with provision for benches and trees and linking the 2 entrances on Pogmoor Recreation Ground. Lighting to be considered to create safe environment.	- Core Strategy Policy CSP 29

5.1.4 PRECEDENT IMAGES





