



Designers Pre Construction Information

Project: 10032 – Arnold Performance Area, Front Street.

Client:



Document Number: 10032/04
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Date: 30th August 2017



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Designers Pre-Construction Information

Location: S:\00 R&K Filing System\PRJ Projects\10000 to 19000\10032_GBC_Arnold_PerformanceArea_FrontSt_Survey\10_Tender Docs

<i>Rev</i>	<i>Date</i>	<i>Description</i>	<i>Prepared by</i>	<i>Checked & Approved by</i>
A	30.08.2017	Initial issue	MA	RCD

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The methodology adopted and the sources of information used by ALLIANCE in providing its services are outlined in this Report. The work described in this Report was undertaken between June and August 2017 and is based on the conditions encountered and the information available during the said period of time. The scope of this Report and the services are accordingly factually limited by these circumstances.

Where assessments of works or costs identified in this Report are made, such assessments are based upon the information available at the time and where appropriate are subject to further investigations or information which may become available.

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1.0 Introduction

Alliance Group Solutions has been asked to undertake the detailed design of improvements to the area known as Eagle Square at the junction of High Street and Front Street in the centre of Arnold, Nottingham. The improvements are required to create a street performance area in a space currently occupied by a large planter.

A topographical survey of the area has been undertaken and used to determine the best possible design for the works. The location of utility company underground and overhead apparatus together with existing access paths and street furniture has also been established.

1.1 Project Description

Below are the brief descriptions including the proposed works for the site;

The works consist of:

- The removal of trees and shrubs from an existing large planter situated at the front of a number of shops/cafes.
- The demolition of the large planter constructed of Class A Engineering (blue) brickwork including the curved seating on the southern side of the planter.
- The construction of a new paved area in the area formally occupied by the above planter with paving to match existing paving types and colours in the area and at levels to blend into the existing paving levels.
- The construction of a new circular shaped planter constructed of Class A Engineering (blue) brickwork to match the previous one demolished.
- The demolition of a curved seating area constructed of Class A Engineering (blue) brickwork on a small circular paved area and replacement of the seating area with paving to match existing paving types and colours in the raised area.
- Relocation of existing signage and waste bins.
- Installation of new seating and small planters to match existing seats elsewhere in the area.

1.2 Project Location

The project is located as shown in Fig 1.2.1 below.



Fig 1.2.1 Location of 'Eagle Square'

The address of the project site is:

**Junction of High Street and Front Street
Arnold
Nottingham.
NG5 7EA**

1.3 Application of Workplace (Health, Safety & Welfare) Regulations 1992

The completed project is not envisaged to be classified as a workplace in accordance with the definitions contained in Workplace Health Safety and Welfare Regulations 1992.

All project Designers for the project shall ensure that they take suitable accounts of the Workplace Health Safety and Welfare Regulations 1992 in their design particularly in relation to the health and safety for the future use and maintenance of the structure. It must be remembered that even though the project may not be a workplace, normal considerations must be given towards maintenance activities and the safe access and egress to and from the project by and with adequate segregation of vehicular and pedestrian movements.

1.4 Programme details

The current programme key milestone dates are not known at this point in the project.

1.5 Project Team

The project team is as follows:

Client

Name of organization:	Gedling Borough Council
Address:	Jubilee House, Nottingham Road, Arnold, Nottingham. NG5 6LU
Tel:	0115 901 3767
Mobile:	
Contact person:	John Evens (Car Parks and Engineering Officer)
Email address:	John.Evens@gedling.gov.uk

Designers

Name of organization:	Alliance Consulting Solutions
Address:	Lowmoor Business Park, Kirkby in Ashfield, Nottinghamshire, NG17 7JZ
Tel:	01623 750231
Mobile:	
Contact person:	Bob Draper
Email address:	Bob.draper@alliancegs.co.uk

Principal Designer

Name of organization:	N/A
Address:	N/A
Tel:	N/A
Mobile:	N/A
Contact person:	N/A
Email address:	N/A

Principal Contractor

Name of organization:	Yet to be appointed
Address:	
Tel:	
Mobile:	
Contact person:	TBC
Email address:	TBC

Contractors

Name of organization:	Yet to be appointed
Address:	
Tel:	
Mobile:	
Contact person:	TBC
Email address:	TBC

Others

Name of organization:	Nottinghamshire County Council, VIA East Midlands Ltd,
Address:	Bilsthorpe Depot, Eakring Road, Bilsthorpe, Nottinghamshire. NG22 8ST
Tel:	0300 500 80 80
Mobile:	
Contact person:	Not known
Email address:	highwaysouth.admin@viaem.co.uk

Principal landowners

The principal landowners on and adjacent to the site is:

Gedling Borough Council
Civic Centre,
Arnot Hill Park
Arnold
Nottingham
NG5 6LU

1.5 Extent and Location of Existing Records and Plans

Table 1.5.1 below shows a list of drawings showing the layout of the site. Please be aware that plans showing Utility Company apparatus have been requested and will be supplied at a later date.

Plan/Drawing No	Title	Revision	Date
10032/0102	Arnold Performance Area Topographical Survey	A	June 17

2.0 Clients Considerations and Management Requirements

2.1 Planning for and Managing the Construction work

2.1.1 Organization structure

The Project Team Organogram is as shown in Fig 2.1.1 below.

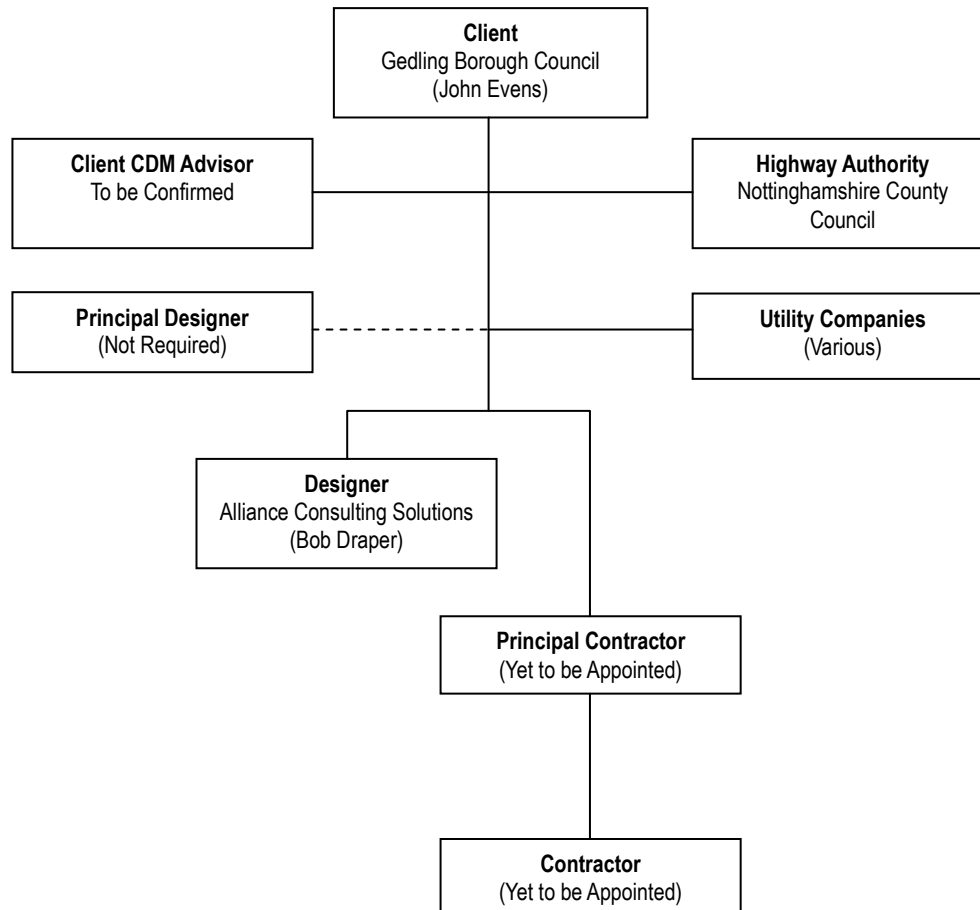


Fig 2.1.1 Project Team Organogram

2.1.2 Construction Phase Plan

The Principal Contractor or Contractor shall prepare a suitable Construction Phase Plan (CPP) which is to be submitted to the Client CDM Advisor as early as practical but at least a minimum of 10 working days prior to the planned start of the construction phase (including advanced works, site investigation or other construction activities). The CPP will be checked by the Clients CDM Advisor against the Assessment form contained in Appendix B.

No works will be allowed to commence until the CPP is deemed suitable by the Client CDM Advisor on behalf of the Client and an instruction is given by the Client for commencement.

The Principal Contractor or Contractor must plan, manage and co-ordinate work during the construction phase taking account of the information contained in this PCI provided by the Client CDM Advisor on behalf of the client, and any other information provided by contractors.

2.2 Health and Safety Goals

All of us have the right to remain healthy and injury free at work. We are all vital to improving health and safety and we will:

- Prevent all injuries and occupational illnesses;
- All be responsible for health and safety;
- Always check and learn from what we are doing;
- Challenge and respond to challenge.

Remember health and safety is a way of life both at home and at work.

The following project specific goals will be implemented. In all instances the designers, principal contractor and contractor's performance will be expected to meet or exceed the minimum standards required under the appropriate legislation and achieve:

- Elimination of hazards for construction, future maintenance and public safety during the design process as far as possible;
- No notifiable accidents;
- Encouragement of behavioural safety culture amongst in-house and contractor's staff through toolbox talks;
- Prevention of interaction between works and members of the public;
- Prevention of any cable, pipe or ducting strikes or damage during the works;
- Prevention by use of banksmen to keep distance from plant during operations (the use of walkie-talkies is recommended).
- Taking best practice and lessons learned from similar projects.

2.3 Proposed Communication/Liaison Process

The Clients representative will not be resident on site but is expected that a Contractors representative will be resident on site. A communication/liaison process will be agreed with Gedling Borough Council to comply with the mutual procedures.

2.4 Site Security

Site security and preventing unauthorized persons entering the site area is paramount importance to achieve this, the minimum standard of security to include the following:

- Access to main site is via High Street where individual areas will be cordoned off to public access when necessary.
- Main compound areas to be securely fenced with anti-bolt crop lock and chain
- Fencing off working areas individually as progress is made.

2.5 Welfare Provisions

The contractor will provide full welfare provisions for the site using portable cabins etc. in accordance with Regulation 13(7), 22(1) (c) and Schedule 2 of the CDM regulations. Proposals shall be fully detailed in the CPP submitted to North West Leicestershire District Council for review under Regulation 16. This shall include and schematic showing the compound layout and welfare facilities.

2.6 Health and Safety

2.6.1 Competency and training

The Client requires that all personnel employed to carry out the construction of this project are trained and competent to carry out their individual duties during the course of the project. The qualifications of trades people employed on the project must be demonstrated at the commencement of the works on site and all works must be supervised by a suitably qualified and competent person.

2.6.2 Site hoarding/fencing requirements

In addition to the general site security detailed above, the following is also required:

- Security fencing for works on/adjacent to the public highway
- Safe and suitable temporary access routes for residents to get into properties
- Safe and suitable pedestrian walk way to be maintained down the length of Hamilton Road.

2.6.3 Site transport/vehicle movement restrictions

Delivery, unloading and turning areas are to be detailed in the CPP.

2.6.4 Client permit to work system

The Client has no permit to work systems specific to this project but this does not remove the contractors own requirements for permit operation where required through their own quality assurance system.

2.6.5 Fire precautions

The client has no existing site fire risk assessments, plans and procedures.

The contractor shall carry out suitable fire risk assessments and arrange their own procedures and fire plan. Details must be included in the CPP prior to commencement of work on site. It is expected that site specific plans are produced covering:

- Main compound area
- Satellite compound areas
- Fuel and chemical storage facilities
- Other areas as assessed by the contractor.

2.6.6 Emergency procedures/ areas of escape

The Client has no existing site emergency plans and procedures for the site.

The nearest accident and emergency facility is located at:

Queens Medical Centre (4.6 miles away from the site)
Derby Road
Nottingham
NG7 2UH
Tel. 0115 924 9924

The principal contractor shall carry out suitable assessment for emergency planning and arrange his own procedures. Details must be including in the CPP prior to commencement of work on site. It is expected that site specific emergency plans are produced covering:

- Confined space incidents
- Fire excavation
- Environmental incidents
- Excavations

The principal Contractor should ensure that their RIDDOR reporting procedure is detailed in the CPP.

2.6.7 Details of “no-go” or authorization requirements

The Client has deemed that there are no no-go areas.

2.6.8 Designated confined spaces

Designated confined spaces include:

- Excavations deeper than 1.0m deep.
- Existing below ground chambers on existing utility apparatus such as drains, sewers and cable ducts.

2.6.9 Smoking restrictions

In accordance with the Smoking at Work Act 2007 the site will be designated as a workplace therefore no smoking will not be permitted whilst working within the site boundary and especially in or around any fuel/oil storage areas or while refuelling plant or equipment.

2.6.10 Parking

Only vehicles essential for the construction work should enter the street to avoid congestion.

The contractor personnel shall ensure that a traffic plan is produced. Details must be included in the CPP prior to commencement of work on site. It is expected that traffic management plans are produced detailing the following as a minimum:

- Access to site
- Vehicular traffic routes through site
- Pedestrian walkways through the site
- Parking areas
- Storage areas

3.0 Existing Site Risks and Environmental Restrictions.

3.1 Safety Hazards

3.1.1 Access to site

The site access route is via High Street. Plant and machinery site access and routes is also via High Street. The Contractor is to supply traffic management system to comply with the New Roads and Street Works Act 1991 & Chapter 8 Road Signing. The Contractor is to check the width and height restrictions along the site access in choosing plant/machinery including the materials deliveries.

3.1.2 Boundaries

The site boundary is as shown on drawing 10032/0105 in Appendix C

3.1.3 Restrictions on Deliveries and Waste Requirements

Advance planning for plant/equipment and material deliveries is required to avoid conflict with local residents movement and it is recommended that delivery times are planned to avoid rush hour. A waste management plan is to be produced and completed prior to the commencement of construction works.

3.1.4 Adjacent Land Use and Known Construction Activity

The existing land use is commercial and the land is all owned by Gedling Borough Council (The Client). There is no other construction activities known to be planned in the adjacent area at this time.

3.1.5 Utility Apparatus

A utilities search has been carried out using data from 'ProMap'. Details of underground and overhead apparatus information will be supplied once received from ProMap. This does not remove the contractor's requirements to carry out safe working practices in relation to overhead and underground services.

Detailed utility search using ground penetrating radar has not been carried out.

3.1.6 Ground Conditions

No detailed ground investigation has been carried out.

3.1.7 Unexploded Ordnance

An unexploded ordnance search has not been carried out.

3.1.8 Existing Structures

The existing brickwork construction planter and seats area to be demolished together with the removal of the trees and vegetation within the planter. The contractor is to take careful consideration and meticulously plan the removal of the trees and the demolition of the planters taking into consideration the close proximity of the shops fronts and the use of the area by pedestrians.

3.2 Health hazards

3.2.1 Asbestos(including results of surveys)

The Designer is not aware of asbestos on site. No asbestos surveys have been carried out.

3.2.2 Existing Storage for Hazardous Materials

The Designer is not aware of existing storage of hazardous materials on the site.

3.2.3 Contaminated Land (including results of surveys)

The Designer is not aware of any contaminated land but is expected that all surplus excavated material removed from the site will require a WAC test certificate by receiving tips.

3.2.4 Hazardous Materials within Structures.

The Designer is not aware of any hazardous materials within the existing planter, seats and footpath materials that will be removed as part of this project.

3.2.5 Health Risks from Clients Activities

The Designer is not aware of any hazardous activities carried out by the Client.

4.0 Significant Design and Construction Hazards.

4.1 Design Information.

The detailed design information is contained on the following drawings contained in Appendix C.

Plan/Drawing No	Title	Revision	Date
10032/0105	Arnold Performance Area Proposed Detailed Design layout	B	Sept 17
10032/0106	Arnold Performance Area Proposed Construction Details	A	Sept 17

4.2 Information on Significant Risks Identified During Design.

The Designer has produced a Designers Hazard Elimination and Management Register identifying residual risks and assumed control measures based upon the design and this is contained in Appendix D.

4.3 Materials Requiring Particular Precautions.

The designers have identified the following substances which will require significant health precautions during their use in the construction (i.e. CoSHH products).

- Cement (including concrete)
- Fuel (petrol, diesel etc)

The Contractor will need to produce specific risk assessments (CoSHH) detailing the use of these materials and their Method Statements will also have to identify any special controls to protect personnel during their use.

4.4 Arrangements for Co-ordination of On-going Design.

The Client's representative will not be resident on site but will be responsible for co-ordination. A communication/liaison process will be agreed with the Contractor to comply with the mutual procedures.

4.5 Information on Significant Environmental Risks Identified

An Environmental Action Plan (EAP) must be in place for the project before any works commence on site (including set-up). The specific environmental risks are listed below:

- Spillage of fuels and oils and entry to existing drainage systems
- Dust
- Noise

5.0 Health and Safety File.

5.1 Client Requirements

A Health and Safety File is to be prepared for the project and available for use by all those who will have a responsibility for the on-going maintenance of the finished project.

The Contractors and Designers shall, where applicable, provide the Clients CDM advisor with all relevant information for inclusion in the Health and Safety File. The Health and Safety File format and content is to be issued as a separate document.

The Health and Safety File shall be substantially complete and available at project handover and to facilitate this all parties shall cooperate fully with the Clients CDM advisor in his duty to prepare this and meet agreed deadlines for preparing and submitting the requisite information requested.

5.2 File arrangement

The Contractor, Designers and the Client shall ensure that information is collated during the project and issues at the completion of the project.

Appendix A – Existing Site Information

Plan/Drawing No	Title	Revision	Date
10032/0102	Arnold Performance Area Existing Site Layout	A	June 17
10032/PRT Gas	Arnold Front Street Gas Utility Apparatus Plan	To be supplied	
10032/PRT Water	Arnold Front Street Water Utility Apparatus Plan	To be supplied	
10032/PRT Sewers	Arnold Front Street Sewers Utility Apparatus Plan	To be supplied	
10032/PRT Electricity	Arnold Front Street Electricity Utility Apparatus Plan	To be supplied	
10032/PRT Telecom	Arnold Front Street Telecommunications Utility Apparatus Plan	To be supplied	



NOTES

DISCLAIMER

Do not scale off this drawing. This plan and any information supplied with it is furnished as a general guide and no warranty as to its correctness is given or implied. In particular this plan and any information shown on it must not be relied upon in the event of any works (including but not limited to excavations) in the vicinity of underground utility apparatus.

Drawings are subject to change with confirmation of site levels and dimensions.

The designer cannot be held responsible for any changes made to the design without the designers knowledge or consent or without the requisite approvals as required by Alliance Group Solution's Quality Management System.

This Drawing is to read in conjunction with
1. 10017/0102 Longitudinal Section

HEALTH & SAFETY GUIDANCE NOTES

PPE to be worn at all times.

Temporary access ladders to be secured safely before use

Confined Space working - ensure all operatives are trained and follow the correct procedures for entering an area that may have an asphyxiating atmosphere. Permit to Work to be enforced and continuous gas monitoring to be in place.

All Pumps, Wet Wells and Channels to be isolated from main flow prior to access where applicable.

Open excavations to be fenced securely with appropriate signage and all loose items to be stored away from edge of excavations to prevent slips, trips and falling objects.

Task Specific Risk Assessments and Method Statements to be produced for all activities and work carried out in accordance with the Method Statement.

Refer to the Completed Design Risk Assessment Document for details of the Residual Hazards relevant to this drawing.

Doc Ref: Not applicable

Residual Health and Safety Hazards are listed below.

1. Existing overhead utility apparatus (cables)
2. Existing traffic
3. Open air valve and hatch box chambers
4. Deep water - canals and tanks in VwTW
5. -

ENVIRONMENTAL GUIDANCE NOTES

The Design of the elements shown on this drawing has taken into account the Waste Hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

PPE to be worn at all times.

Protection of the environment is paramount. All Construction work to be carried out in line with EA Doc PPG6, Working at Construction and Demolition Sites.

All waste materials to be segregated in accordance with the Site Waste Management Plan where appropriate.

Task Specific Risk Assessments and Method Statements to be produced for all activities and work carried out in accordance with the Method Statement.

Residual Environmental Risks are listed below.

1. -
2. -
3. -

A	Initial Issue (draft)	Survey	MA	RCD	??	08.06.2017
REV	AMENDMENTS	ORIG	DRWN	CHKD	APRD	DATE



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CLIENT



Gedling
Borough Council

PROJECT

**Arnold Performance Area
Front Street**

PROJECT NUMBER

10032

TITLE

Existing Layout Plan

STATUS				For Tender			
ORIGINATOR RCD	DRAWN MA	CHECKED RCD	APPROVED TBA				
DATE 08.06.2017	DATE 08.06.2017	DATE 08.06.2017	DATE TBA				
DRAWING SCALE 1 : 100 @ A1 Size			ORIGINAL DRAWING SIZE 594 x 841 - A1				
DRAWING No 10032/0102			REV. A				

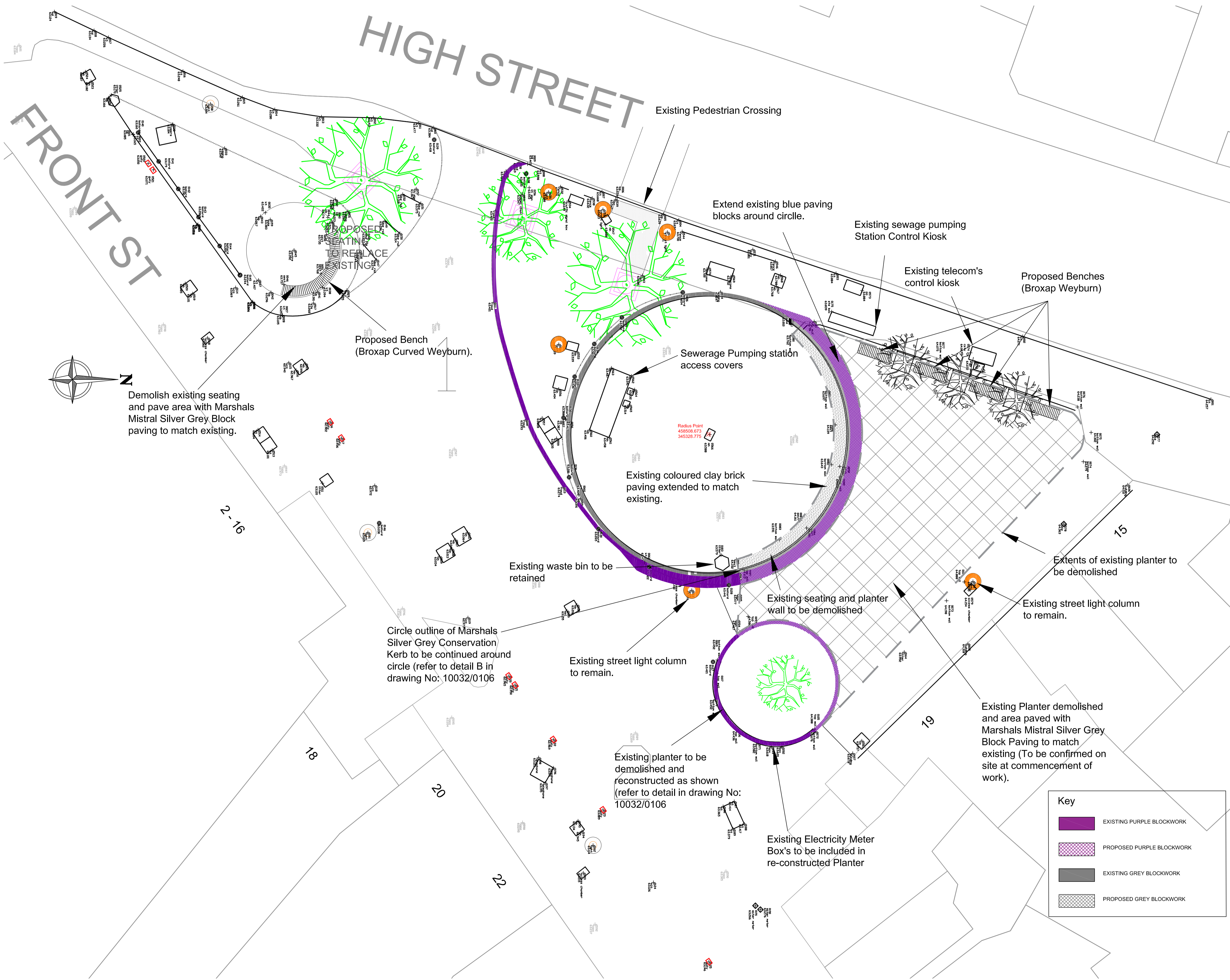
Appendix B – Construction Phase Plan Assessment Form

ACOP Recommendation	Comment	Location in plan
1. Description of Project		
a) project description and programme details;	<ul style="list-style-type: none"> Project Description: Programme Schedule of method statements/RA: 	
b) extent and location of existing records and plans that are relevant to health and safety on site, including information about existing structures when appropriate		
2. Communication and management of the work		
a) management structure and responsibilities;	<ul style="list-style-type: none"> Organisation chart: Management Responsibilities: 	
b) health and safety goals for the project and arrangements for monitoring and review of health and safety performance;	<ul style="list-style-type: none"> Project safety goals: Monitoring arrangements 	
c) arrangements for:		
<ul style="list-style-type: none"> regular liaison between parties on site including any key dates; 		
<ul style="list-style-type: none"> consultation with the workforce 		
<ul style="list-style-type: none"> the exchange of design information between the client, designers and contractors on site; 		
<ul style="list-style-type: none"> Handling design changes during the project; 		
<ul style="list-style-type: none"> The selection and control of contractors 		
<ul style="list-style-type: none"> The exchange of health and safety information between contractors 		
<ul style="list-style-type: none"> Site security 		
<ul style="list-style-type: none"> Site induction 	<ul style="list-style-type: none"> Safety is Paramount included 	
<ul style="list-style-type: none"> First aid arrangements 		
<ul style="list-style-type: none"> Welfare arrangements 	<ul style="list-style-type: none"> Compound Layout Plan Sanitary conveniences Female facilities Washing facilities 	

ACOP Recommendation		Comment		Locations in plan
		<ul style="list-style-type: none"> • Showers • Drinking water • Changing rooms and lockers • Facilities for rest 		
•	The reporting and investigating of accidents and incidents including near misses;			
•	The productions and approval of risk assessments and written system of work;			
d)	Site rules			
e)	Drugs & alcohol policy			
f)	Emergency procedures	<ul style="list-style-type: none"> • Fire & evacuation: • Water rescue: • Confined spaces: • Harness rescue: • UXO: • Other: 		
3. Arrangements for controlling significant site risks				
a)	Safety risks, including;			

Appendix C – Detailed Design Information

Plan/Drawing No	Title	Revision	Date
10032/0105	Arnold Performance Area Proposed Layout Plan	B	Sept 17
10032/0106	Arnold Performance Area Proposed Construction Details	A	Sept 17



NOTES

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The designer cannot be held responsible for any changes made to the design without the designers knowledge or consent or without the requisite approvals as required by Alliance Construction Solution's Quality Management System.

HEALTH & SAFETY GUIDANCE NOTES

PPE to be worn at all times.

Temporary access ladders to be secured safely before use

Confined Space working - ensure all operatives are trained and follow the correct procedures for entering an area that may have an asphyxiating atmosphere. Permit to Work to be enforced and continuous gas monitoring to be in place.

All Pumps, Wet Wells and Channels to be isolated from main flow prior to access where applicable.

Open excavations to be fenced securely with appropriate signage and all loose items to be stored away from edge of excavations to prevent slips, trips and falling objects.

Task Specific Risk Assessments and Method Statements to be produced for all activities and work carried out in accordance with the Method Statement.

Refer to the Completed Design Risk Assessment Document for details of the Residual Hazards relevant to this drawing.

10032/024

Residual Health and Safety Hazards are listed below.

1. Existing underground utility apparatus
2. Existing overhead utility apparatus (cables)
3. Existing traffic
4. Open excavations
5. Moving plant and machinery

ENVIRONMENTAL GUIDANCE NOTES

The Design of the elements shown on this drawing has taken into account the Waste Hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

PPE to be worn at all times. Protection of the environment is paramount. All Construction work to be carried out in line with EA Doc PPG6, Working at Construction and Demolition Sites. All waste materials to be segregated in accordance with the Site Waste Management Plan where appropriate.

Task Specific Risk Assessments and Method Statements to be produced for all activities and work carried out in accordance with the Method Statement.

Residual Environmental Risks are listed below.

1. Spillage of fuels and oils
2. Dust
3. Noise

B	Retaining wall and steps removed	RCD	MA	KRW	TBC	28.07.17
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A	Initial Issue	RCD	MA	KRW	TBC	12.07.17
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REV	AMENDMENTS	ORIG	DRWN	CHKD	APPRD	DATE
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Tel: 01623 759231
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CLIENT



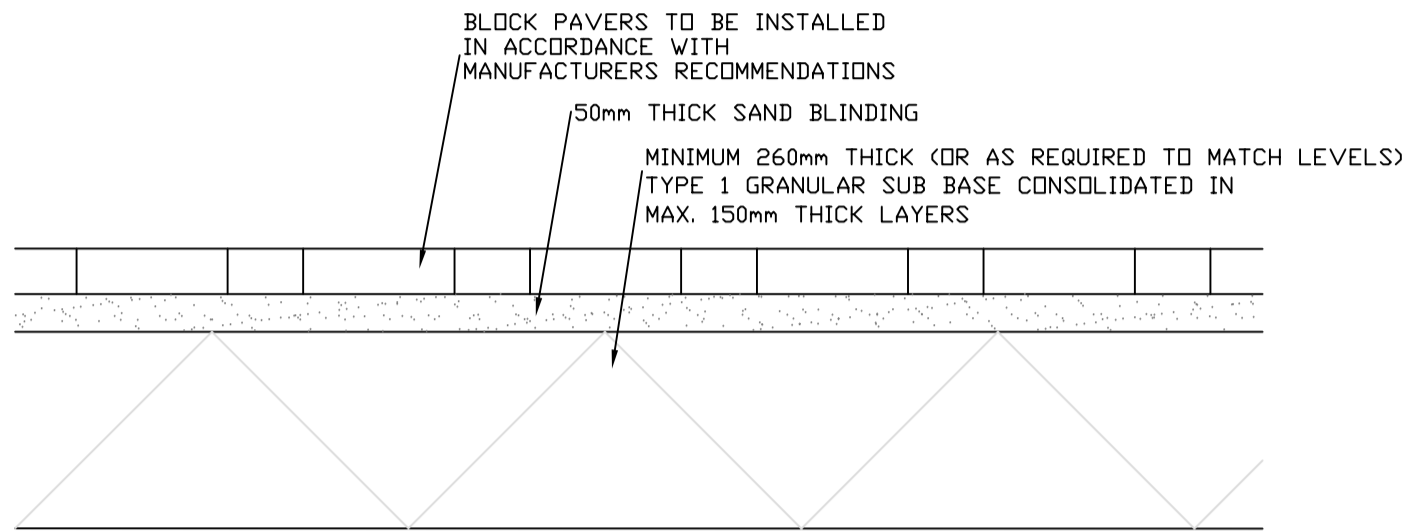
Gedling Borough Council
Chic Centre
Arnot Hill Rd
Arnold
Nottingham
NG5 6LU

PROJECT
Arnold Performance Area
Front Street

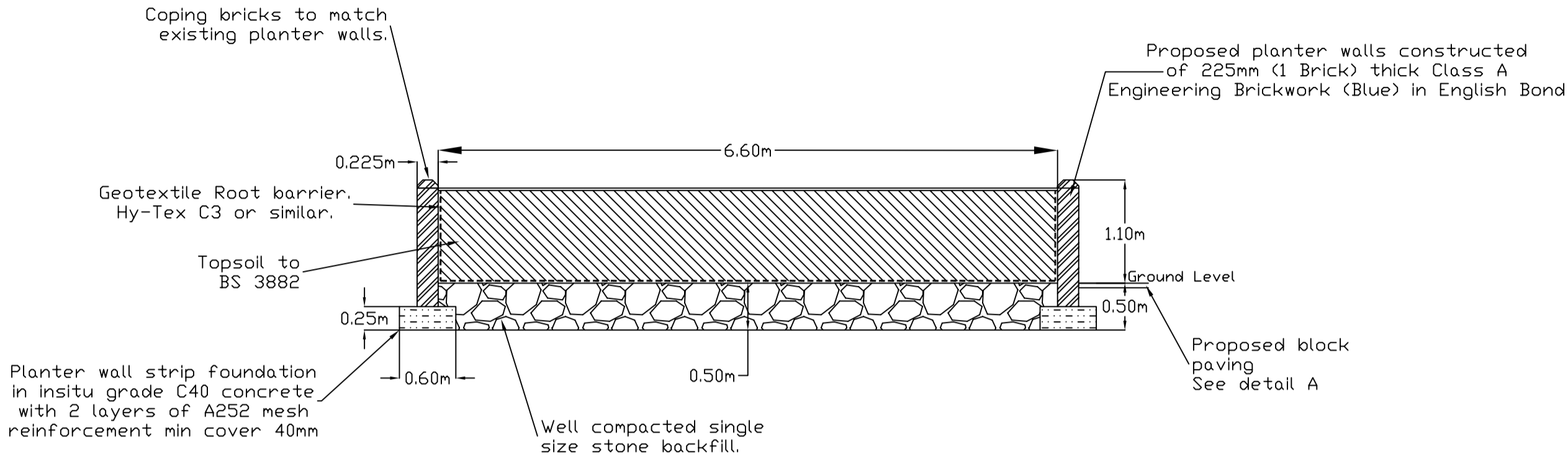
PROJECT NUMBER
10032

TITLE
Proposed Detailed Design Layout

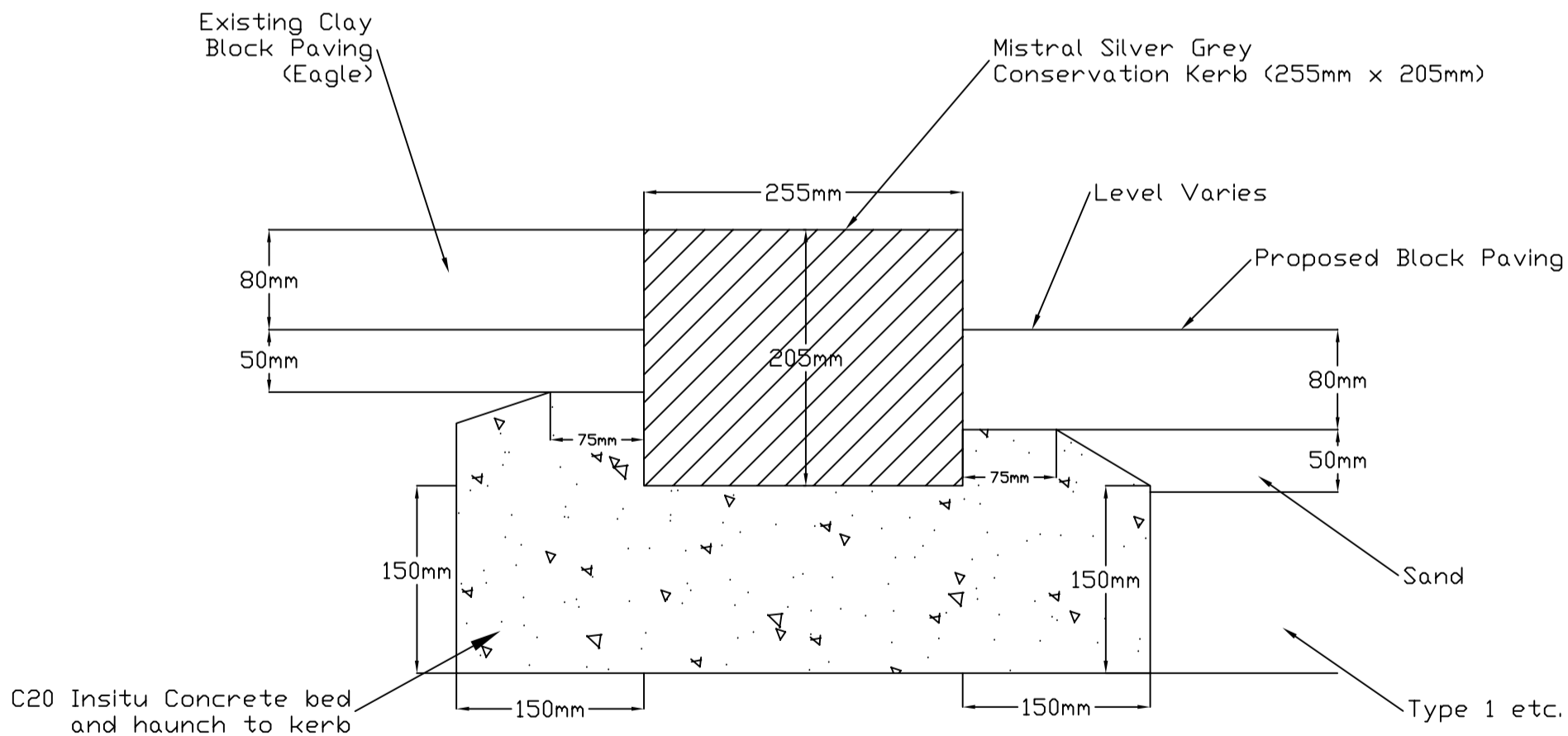
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ORIGINATOR RCD		DRAWN MA		CHECKED KRW		APPROVED TBC	
DATE 06/07/2017		DATE 06/07/2017		DATE 10/07/2017		DATE TBC	
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DRAWING No 10032/0105				REV. B			



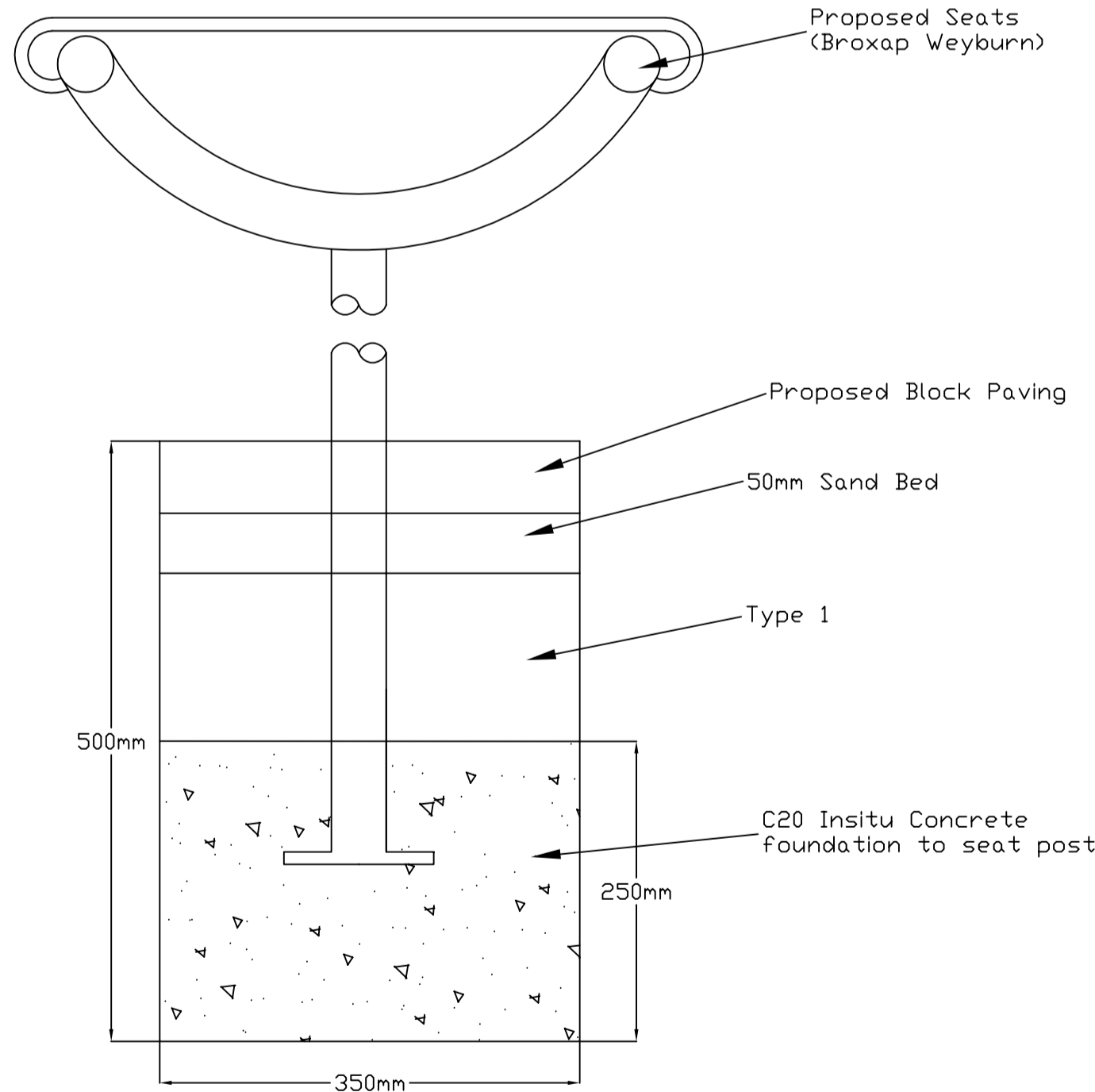
Detail A
Block Paving Construction Detail
Scale 1:10



Detail B
Planter Construction Detail
Scale 1:5



Detail C
Circle Kerbing Detail
Scale 1:5



Detail D
Proposed Seat Mounting Detail
Scale 1:5

NOTES

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DISCLAIMER

Do not scale off this drawing. This plan and any information supplied with it is furnished as a general guide and no warranty as to its correctness is given or implied. In particular this plan and any information shown on it must not be relied upon in the event of any works (including but not limited to excavations) in the vicinity of underground utility apparatus.

Drawings are subject to change with confirmation of site levels and dimensions.

The designer cannot be held responsible for any changes made to the design without the designers knowledge or consent or without the requisite approvals as required by Alliance Construction Solution's Quality Management System.

HEALTH & SAFETY GUIDANCE NOTES

PPE to be worn at all times.

Temporary access ladders to be secured safely before use

Confined Space working - ensure all operatives are trained and follow the correct procedures for entering an area that may have an asphyxiating atmosphere. Permit to Work to be enforced and continuous gas monitoring to be in place.

All Pumps, Wet Wells and Channels to be isolated from main flow prior to access where applicable.

Open excavations to be fenced securely with appropriate signage and all loose items to be stored away from edge of excavations to prevent slips, trips and falling objects.

Task Specific Risk Assessments and Method Statements to be produced for all activities and work carried out in accordance with the Method Statement.

Refer to the Completed Design Risk Assessment Document for details of the Residual Hazards relevant to this drawing.

10032/024

Residual Health and Safety Hazards are listed below.

1. Existing underground utility apparatus
2. Existing overhead utility apparatus (cables)
3. Existing traffic
4. Open excavations
5. Moving plant and machinery



ENVIRONMENTAL GUIDANCE NOTES

The Design of the elements shown on this drawing has taken into account the Waste Hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011

PPE to be worn at all times.
Protection of the environment is paramount. All Construction work to be carried out in line with EA Doc PPS6, Working at Construction and Demolition Sites.
All waste materials to be segregated in accordance with the Site Waste Management Plan where appropriate.
Task Specific Risk Assessments and Method Statements to be produced for all activities and work carried out in accordance with the Method Statement.

Residual Environmental Risks are listed below.

1. Spillage of fuels and oils
2. Dust
3. Noise

A		Initial Issue	RCD	JH	KRW	TBC	12.07.17
REV	AMENDMENTS		ORIG	DRWN	CHKD	APRD	DATE
 ALLIANCE GROUP SOLUTIONS LTD			Alliance Group Solutions Ltd., Sidlings Road, Lowmoor Business Park, Kirkby in Ashfield, Nottinghamshire, NG17 7JZ Tel: 01623 759231 Fax: 01623 759570 Email: enquiries@alliancegs.co.uk				
CLIENT							
 Gedling Borough Council			Gedling Borough Council Sidings Road Civic Centre Arnot Hill Rd Arnold Nottingham NG5 6LU				
PROJECT							
Arnold Performance Area Front Street							
PROJECT NUMBER							
10032							
TITLE							
Proposed Detailed Design Construction Details							
STATUS							
For Tender							
ORIGINATOR		DRAWN		CHECKED		APPROVED	
RCD		JH		RCD		TBC	
DATE		DATE		DATE		DATE	
30/08/2017		30/08/2017		30/08/2017		TBC	
DRAWING SCALE				ORIGINAL DRAWING SIZE			
AS Shown @ A1				594 x 841 - A1			
DRAWING No							REV.
10032/0106							A

Appendix D – Designers Hazard Elimination and Management Register

HSMS04 - DESIGN HAZARD ELIMINATION AND MANAGEMENT REGISTER

Form: HSMS04 (1)
Issue: 1
Date: October 2013

Project Name : **Arnold, Front Street Performance Area**
Project Number : **10032**
Client : **Gedling Borough Council Council**
Principal Designer : **Not applicable at this stage**
Site Area : **Eagle Square at junction of Front Street and High Street, Arnold**
Design Drawing Ref No's : **10032/0105**

Document Ref No : **10032/24**
Date Commenced : **20.8.2017**
Date Completed : **5.9.2017**
Completed By : **R Draper**
Reviewed & Approved by :
Approved Date:

Likelihood	Very unlikely	Unlikely	Possible	Likely	Very likely
	1	2	3	4	5
Severity	Minor/trivial injury	Single injury up to 3 days	Over 3 days	Major, RIDDOR injury	Fatality

STEP 1						STEP 2				STEP 3			STEP 4			STEP 5		
Item	Considered by (Name)	Date	Designed Element or Activity	Hazard Type	Hazard Description	Parties Affected	Possible consequences for the affected parties	Initial RA			Measures to eliminate, reduce or manage the risk	Revised RA			Residual Risk	Communicate risk to affected parties? If so by what means?		
								S	L	R		S	L	R		Pre-con Info	H&S File	Drawings or other means
1	R Draper	18.8.2017	Removal of trees from existing planter	Existing traffic	Falling debris	PC, P	Crushing, trapping etc	3	4	H	PC to use suitable method of removal of trees etc	3	2	M	PC to control	YES	NO	YES. Risk to be highlighted on drawings
2	R Draper	18.8.2017	as above	Overhead utility apparatus	Overhead utilities such as cables etc	PC, P	Electrocution, loss of supply	3	4	H	PC to use suitable method of removal of trees etc	3	2	M	PC to control	YES	YES	YES referred to on drawings and in PCI
3	R Draper	18.8.2017	as above	Moving plant	Moving plant in pedestrian area	PC, P	Crushing, trapping etc	3	4	H	PC to inform plant operators and banksman to be aware at all times	3	2	M	PC to control	YES	NO	YES referred to on drawings and in PCI
4	R Draper	18.8.2017	Demolition of existing planter and seats	Moving plant	Moving plant in pedestrian area	PC, P	Crushing, trapping etc	3	4	H	PC to inform plant operators and banksman to be aware at all times	3	2	M	PC to control	YES	YES	YES. Risk to be highlighted on detailed design drawings
5	R Draper	18.8.2017	as above	Ejection (Missiles)	Flying debris during demolition	PC, P	Missiles	3	4	H	PC to inform plant operators and banksman to be aware at all times	3	2	M	PC to control	YES	NO	YES. Risk to be highlighted on detailed design drawings
6	R Draper	18.8.2017	as above	Underground utility apparatus	Underground utilities in the area as identified identified in PCI	PC, P	Electrocution, gas, fire etc	4	3	H	PC to ensure use of banksman for all plant movement	3	1	L	PC to control	YES	NO	YES. Risk to be highlighted on detailed design drawings
7	R Draper	18.8.2017	as above	Existing traffic	Falling debris	PC, P	Crushing, trapping etc	4	3	H	Careful planning and phasing of work required to avoid wastes affecting pedestrian areas	3	2	M	PC to control	YES	NO	YES. Risk to be highlighted on detailed design drawings
8	R Draper	18.8.2017	as above	Inundation (Burial)	Deep excavations	PC, P	Burial	4	3	H	PC to use suitable method of excavation support and fencing	4	1	L	PC to control	YES	NO	YES. Risk to be highlighted on detailed design drawings
9	R Draper	18.8.2017	Construction of new planter	Hazardous substances	Cement, etc	PC	Health effects	4	4	H	PC to use appropraite PPE when working with such materials	4	1	L	PC to control	YES	NO	YES mentioned in PCI
10	R Draper	18.8.2017	as above	Moving plant	Movement of plant during construction	PC, P	Crushing, trapping etc	3	3	M	PC to ensure use of banksman for all plant movement	3	1	L	PC to control	YES	NO	YES. Risk to be highlighted on detailed design drawings
11	R Draper	18.8.2017	as above	Heavy loads	Bricks etc	PC	Crushing, trapping etc	4	3	H	Design to avoid heavy materails as much as possible.	4	1	L	PC to use suitable method of lifting etc	YES	YES	YES referred to on drawings and in PCI
12	R Draper	18.8.2017	as above	Existing traffic	Conflict with existing traffic at the site	PC, P	Crushing, trapping etc	4	3	H	Pedestrians require constant access. Careful planning and phasing of work required to maintain access	4	1	L	PC to control	YES	YES	YES. Risk to be highlighted on detailed design drawings
13	R Draper	18.8.2017	as above	Underground utility apparatus	Underground utilities in the area as identified identified in PCI	PC	Electrocution, gas, fire etc	4	3	H	Design to avoid as much as possible. PC to locate prior to excavation	4	1	L	PC to use suitable method of locating etc	YES	YES	YES referred to on drawings and in PCI
14	R Draper	18.8.2017	as above	Overhead utility apparatus	Overhead cables	PC	Electrocution, loss of supply	3	4	H	PC to inform plant operators and banksman to be aware at all times	3	2	M	PC to use suitable method of locating etc	YES	YES	YES referred to on drawings and in PCI
15	R Draper	21.8.2017	Construction of new paving etc	Hazardous substances	Cement, etc	PC	Health effects	4	4	H	PC to use appropraite PPE when working with such materials	4	1	L	PC to control	YES	NO	YES. Risk to be highlighted on detailed design drawings
16	R Draper	21.8.2017	as above	Moving plant	Movement of plant during construction	PC, P	Crushing, trapping etc	3	3	M	PC to ensure use of banksman for all plant movement	3	1	L	PC to control	YES	NO	YES. Risk to be highlighted on detailed design drawings
17	R Draper	21.8.2017	as above	Heavy loads	Keerbs, blocks etc	PC	Crushing, trapping etc	4	3	H	Design to avoid heavy materails as much as possible.	4	1	L	PC to control	YES	NO	YES mentioned in PCI
18	R Draper	21.8.2017	as above	Existing traffic	Conflict with existing traffic at the site	PC, P	Crushing, trapping etc	4	3	H	Pedestrians require constant access. Careful planning and phasing of work required to maintain access	4	1	L	PC to control	YES	NO	YES. Risk to be highlighted on detailed design drawings
19	R Draper	21.8.2017	as above	Underground utility apparatus	Underground utilities in the area as identified identified in PCI	PC	Electrocution, gas, fire etc	4	3	H	Design to avoid as much as possible. PC to locate prior to excavation	4	1	L	PC to use suitable method of lifting etc	YES	YES	YES referred to on drawings and in PCI
20	R Draper	21.8.2017	as above	Overhead utility apparatus	Overhead cables	PC	Electrocution, loss of supply	3	4	H	PC to inform plant operators and banksman to be aware at all times	3	2	M	PC to control	YES	YES	YES. Risk to be highlighted on detailed design drawings