

Appendix A

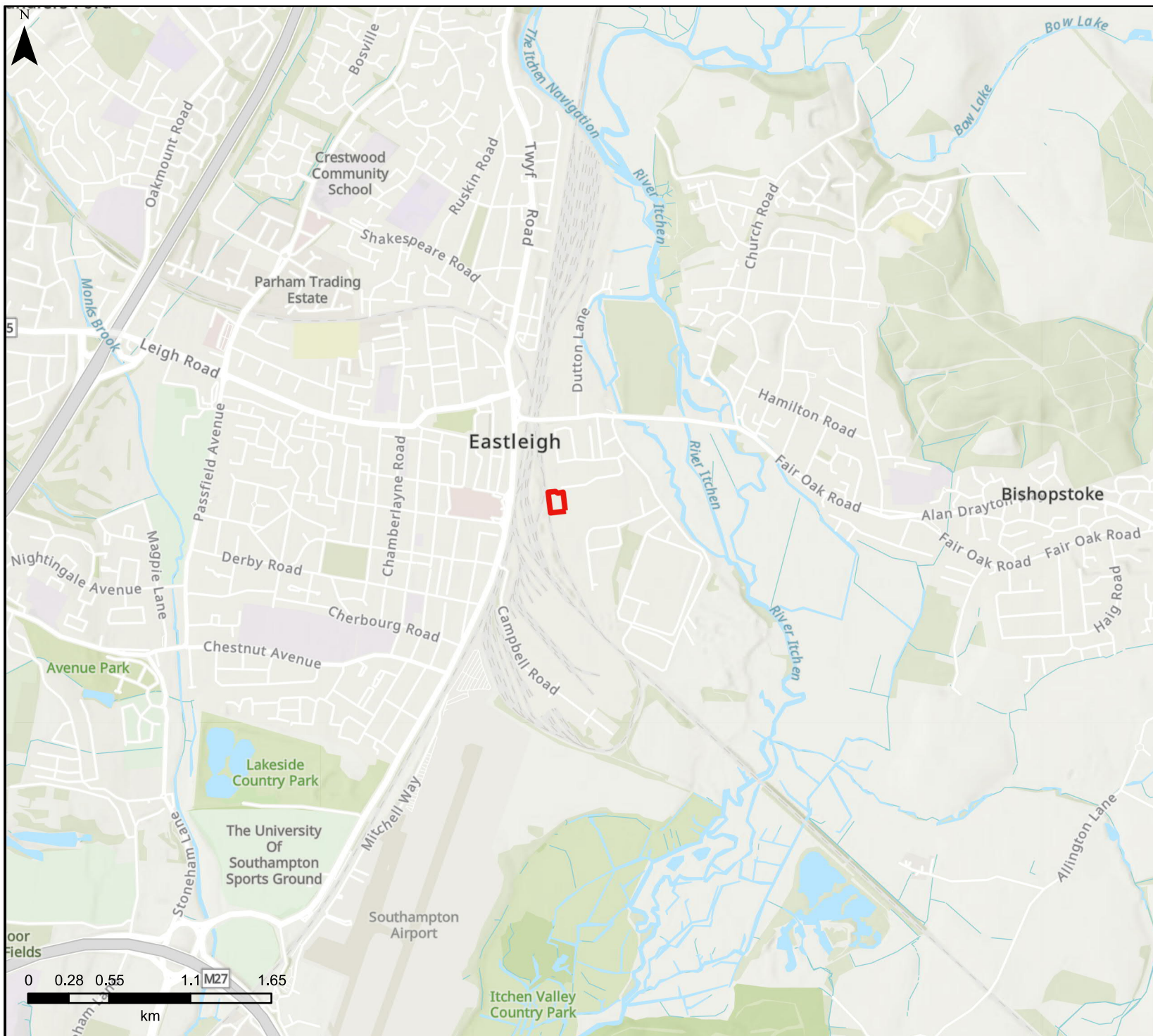
FIGURES



Appendix A.1

WSP FIGURES





DO NOT SCALE

Information Classification:

INTERNAL

Information that is only intended for internal distribution among WSP employees, independent consultants, contractors, sub-contractors, clients and authorised third parties.

Legend :

— Site boundary

FIGURE 1

Title : Site Location Plan

Author : ArcGIS Web AppBuilder

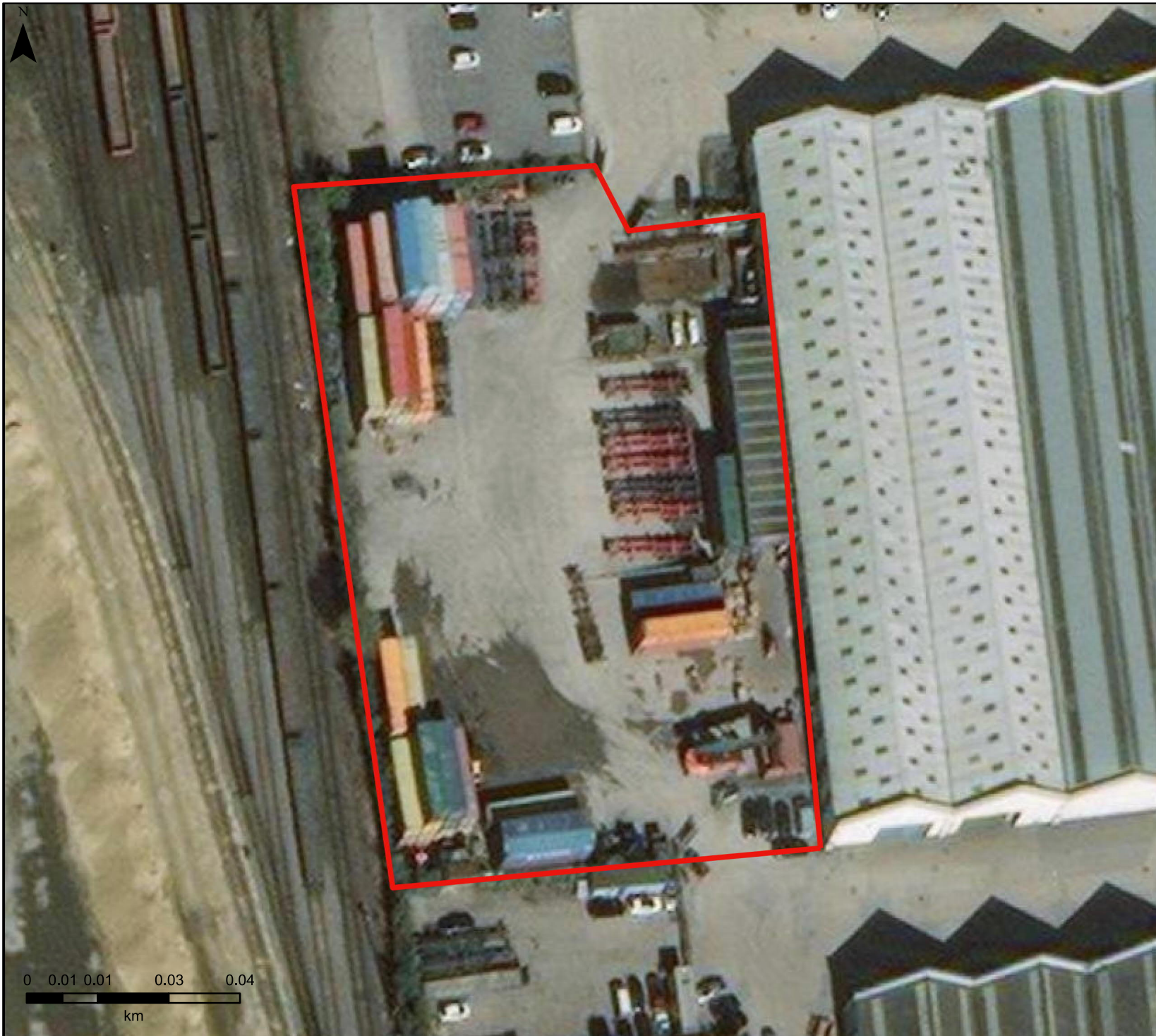
Scale : 1:36,112

Layout : WSP A4 Landscape

Current Time : 05/04/2022 14:53



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DO NOT SCALE

Information Classification:

INTERNAL

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Legend :

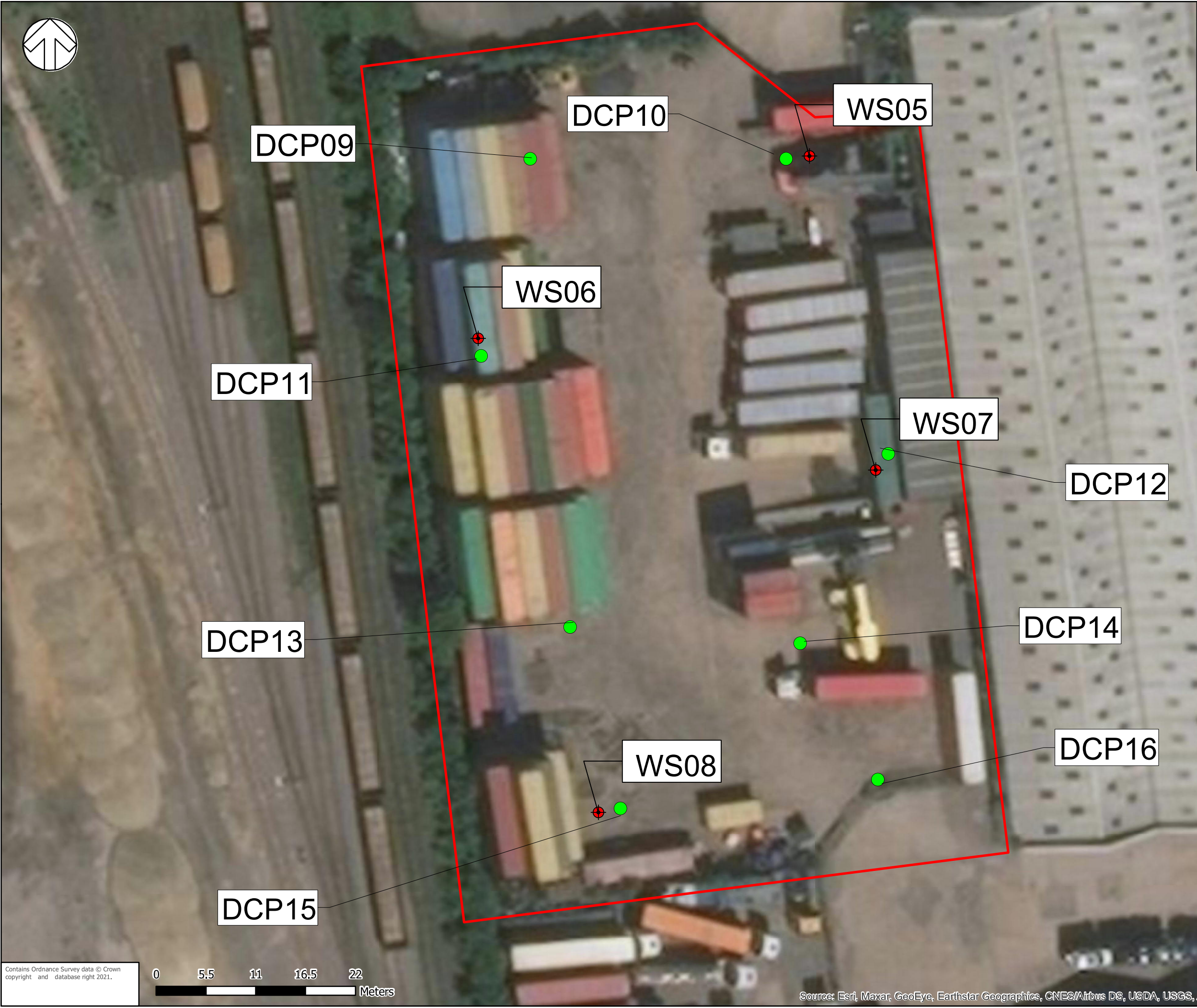
— Site boundary

FIGURE 2

Title : Site Layout Plan
Author : ArcGIS Web AppBuilder
Scale : 1:1,128
Layout : WSP A4 Landscape
Current Time : 05/04/2022 17:08



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Legend

- Site Boundary
- DCP Points
- Exploratory Holes
- WS Locations

wsp

TITLE:
Unit 5 Barton Park, Eastleigh
Exploratory Hole Plan

FIGURE No:
Figure 3



DO NOT SCALE

Information Classification:

INTERNAL

Information that is only intended for internal distribution among WSP employees, independent consultants, contractors, sub-contractors, clients and authorised third parties.

Legend :



Site

Title : Figure 4 Observations
Author : ArcGIS Web AppBuilder
Scale : 1:2,257
Layout : WSP A4 Landscape
Current Time : 30/10/2023 10:09

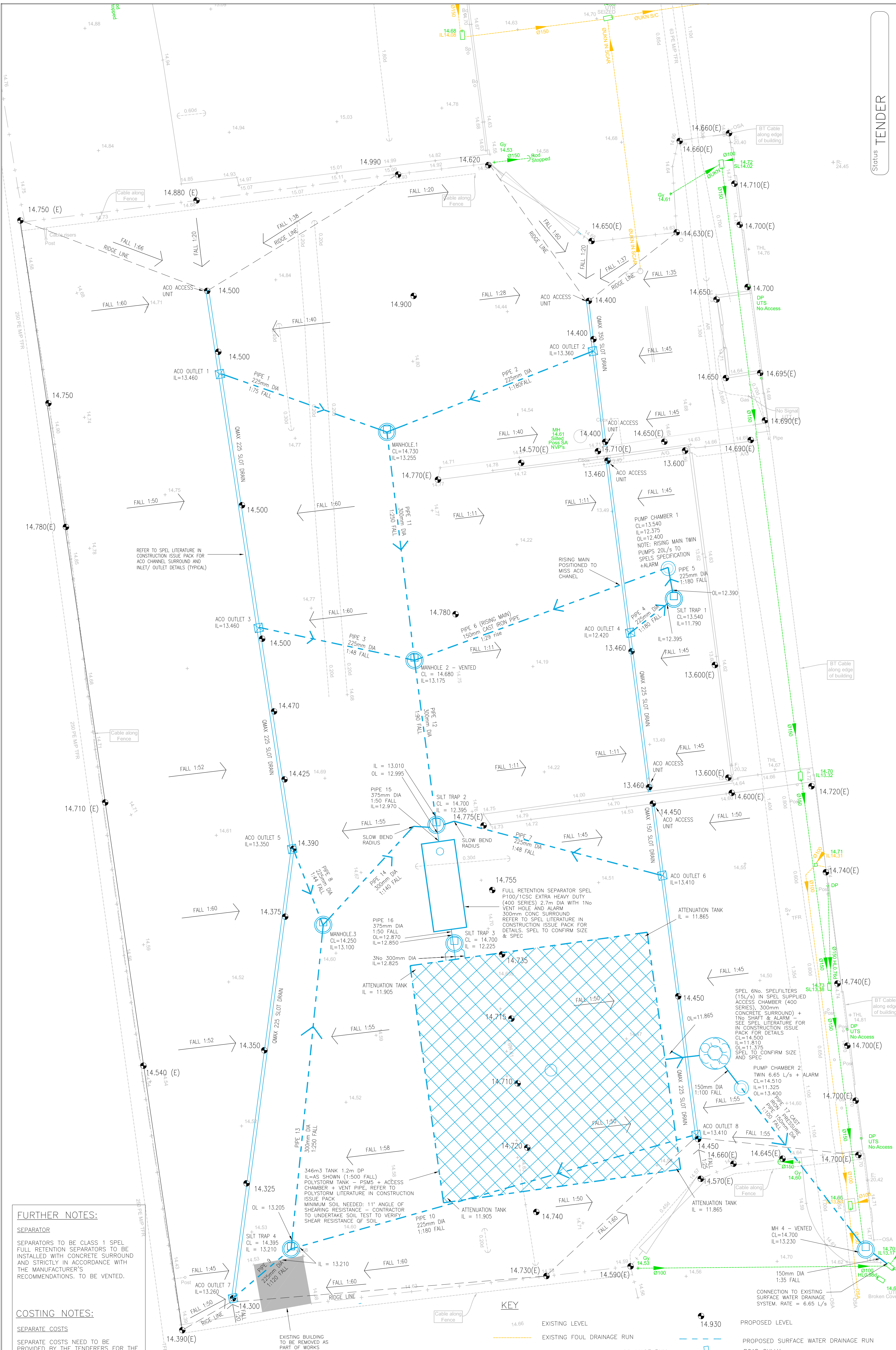


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Appendix A.2

THIRD PARTY FIGURES





FURTHER NOTES:

SEPARATOR
SEPARATORS TO BE CLASS 1 SPEL FULL RETENTION SEPARATORS TO BE INSTALLED WITH CONCRETE SURROUND AND STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. TO BE VENTED.

COSTING NOTES:

SEPARATE COSTS
SEPARATE COSTS NEED TO BE PROVIDED BY THE TENDERERS FOR THE FOLLOWING CHANGES:
- OMISSION OF THE ATTENUATION TANKS
- OMISSION OF THE PUMPS
- OMISSION OF THE SEPARATORS
- CHANGE INVERT OF SILT TRAPS TO LEVELS IDENTIFIED WITH ** AND CONNECT STRAIGHT TO EXISTING MANHOLES.

- NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS' & ENGINEERS DRAWINGS, DETAILS AND SPECIFICATIONS.
 - CDM DETAILS REFERS TO THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS. THE RISK ASSESSMENTS AS APPROPRIATE, WHICH IDENTIFY UNUSUAL AND ABNORMAL RISKS THAT A COMPETENT CONTRACTOR COULD NOT BE EXPECTED TO ANTICIPATE.

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FAX: 020 7405 5274

E-MAIL: enquiries@hurstpm.co.uk

Web PAGE
www.hurstpm.co.uk

ARCHITECT	CDM DETAILS (refer to Note 2)	ENG	DH
Project	BARTON PARK, UNIT 5	Title	PROPOSED DRAINAGE PLAN
Scale	1:150 AT A1	Drawn	DH
Checked		Passed	
Date	JUL 21		

Drawing No.	25097-01	T1
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No	Revision	By	Ckd	Psd	Dte
T1	ISSUED FOR TENDER	DH	DMC		27 06 22

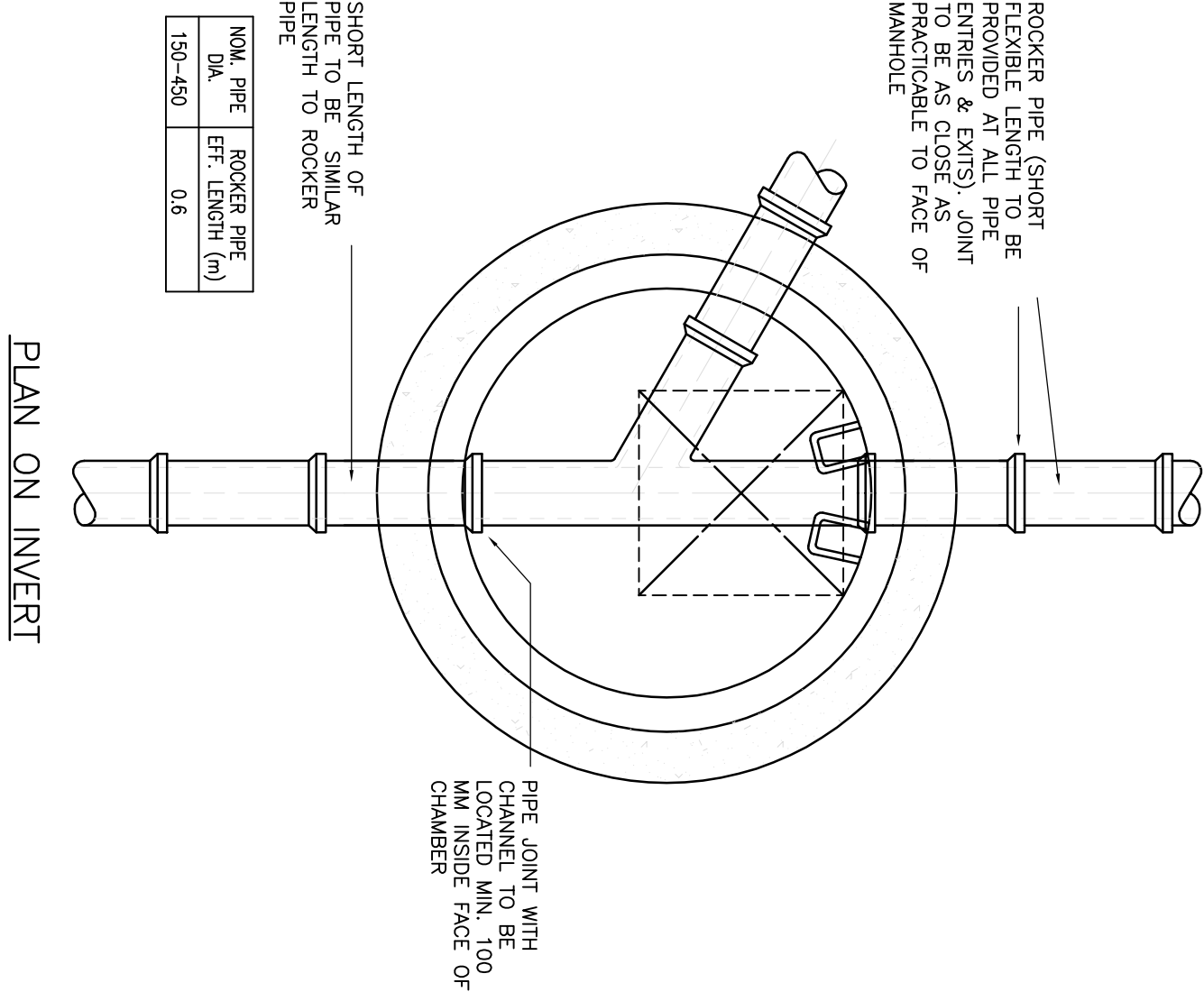


KEY		
	SAWN RESTRAINED MOVEMENT JOINT	 JOINT WHERE CONNECTING TO EXISTING HARDSTANDING
	FREE MOVEMENT JOINT (CONTRACTION)	JOINT WHERE CONNECTING TO EXISTING HARDSTANDING
		 EXPANSION JOINT

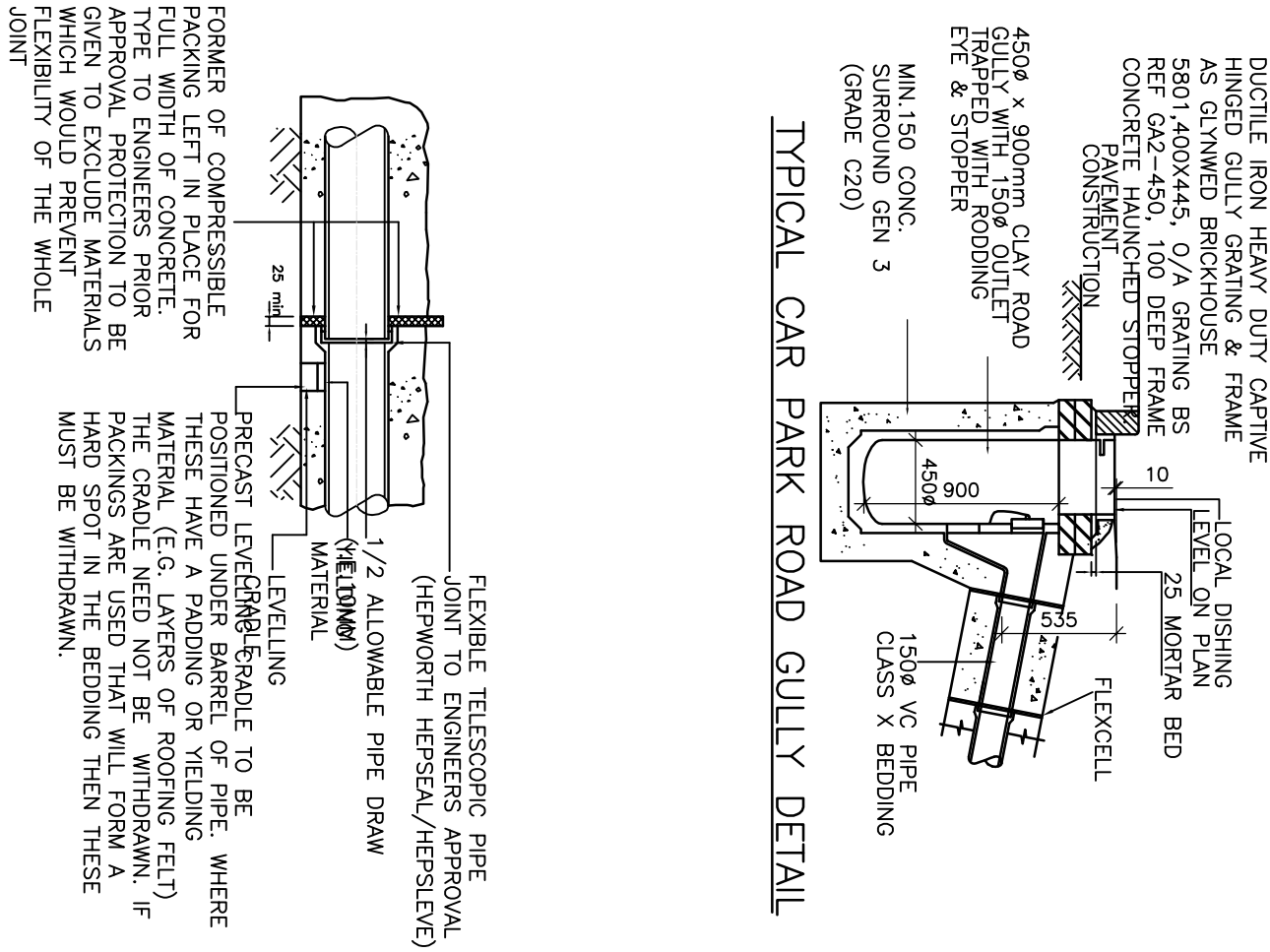
Status

TENDER

No	Revision	By	Ckd	Psd	Dte
T1	ISSUED FOR TENDER	DH	DMC		27 JUL 22
NOTES 1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL PREVIOUS EDITIONS AND SPECIFICATIONS ENGINEERS' DRAWINGS, DETAILS AND SPECIFICATIONS. 2. CDM DETAILS REFERS TO THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS. THE READER MUST REFER TO METHOD STATEMENTS OR RISK ASSESSMENTS AS APPROPRIATE, WHICH IDENTIFY HAZARDOUS ACTIVITIES AND ABNORMAL RISKS THAT A COMPETENT CONTRACTOR COULD NOT BE EXPECTED TO ANTICIPATE.					
Hurst Peirce + Malcolml LLP CONSULTING CIVIL & STRUCTURAL ENGINEERS CRITIC HOUSE 33 JOHN'S MEWS HOLBORN LONDON WC1N 2QL TEL: 020 7242 3593 FAX: 020 7405 5274 E-MAIL: enquiries@hurstpm.co.uk Web Page www.hurstpm.co.uk					
ARCHITECT Project BARTON PARK, UNIT 5					
CDM DETAILS (Refer to Note 2) ENG					
Title PROPOSED JOINT LAYOUT					
Scale 1:150 AT A1					
Drawn DH Checked Date JUL 21					
Drawing No. 25097/02 T1					



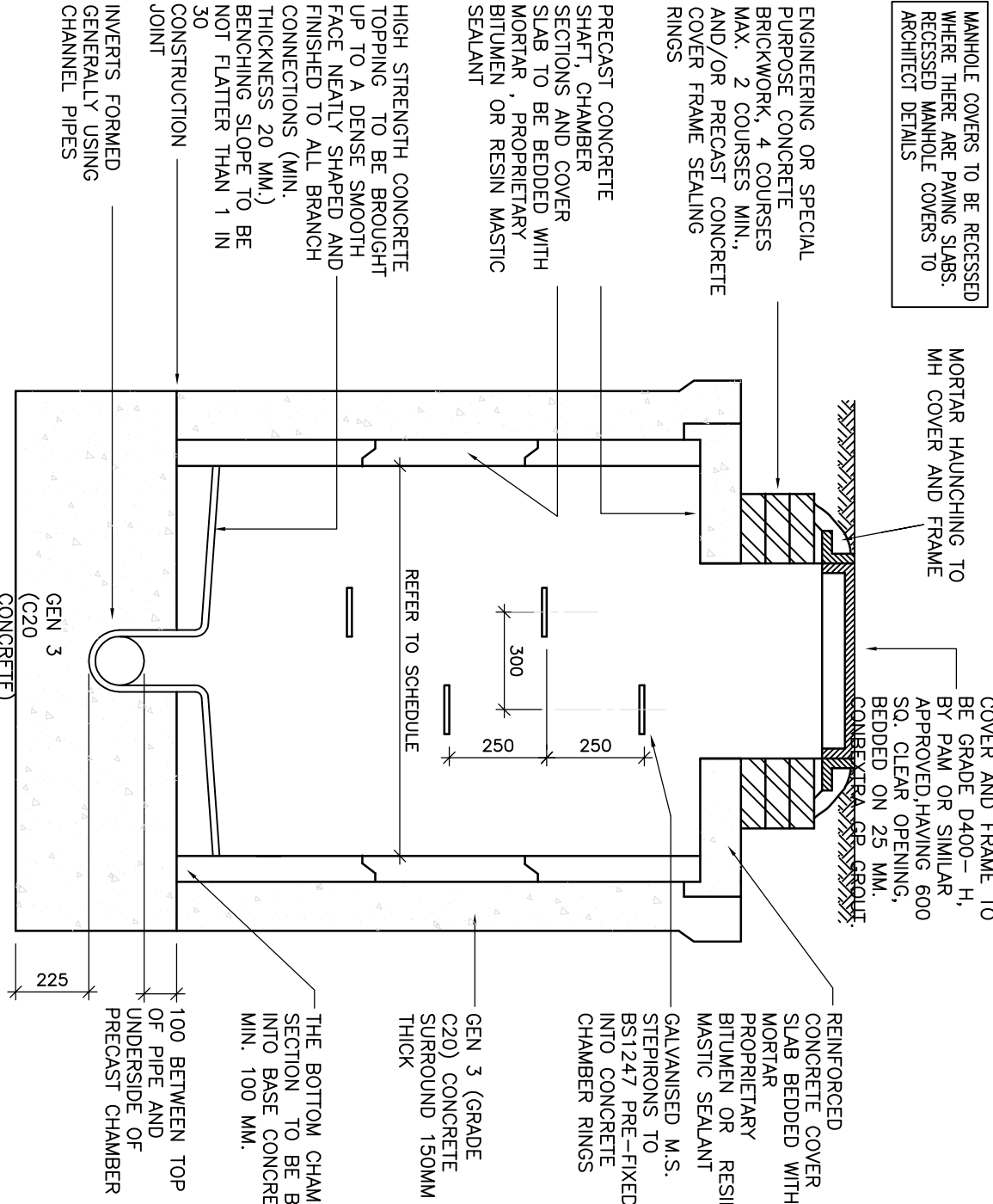
PLAN ON INVERT



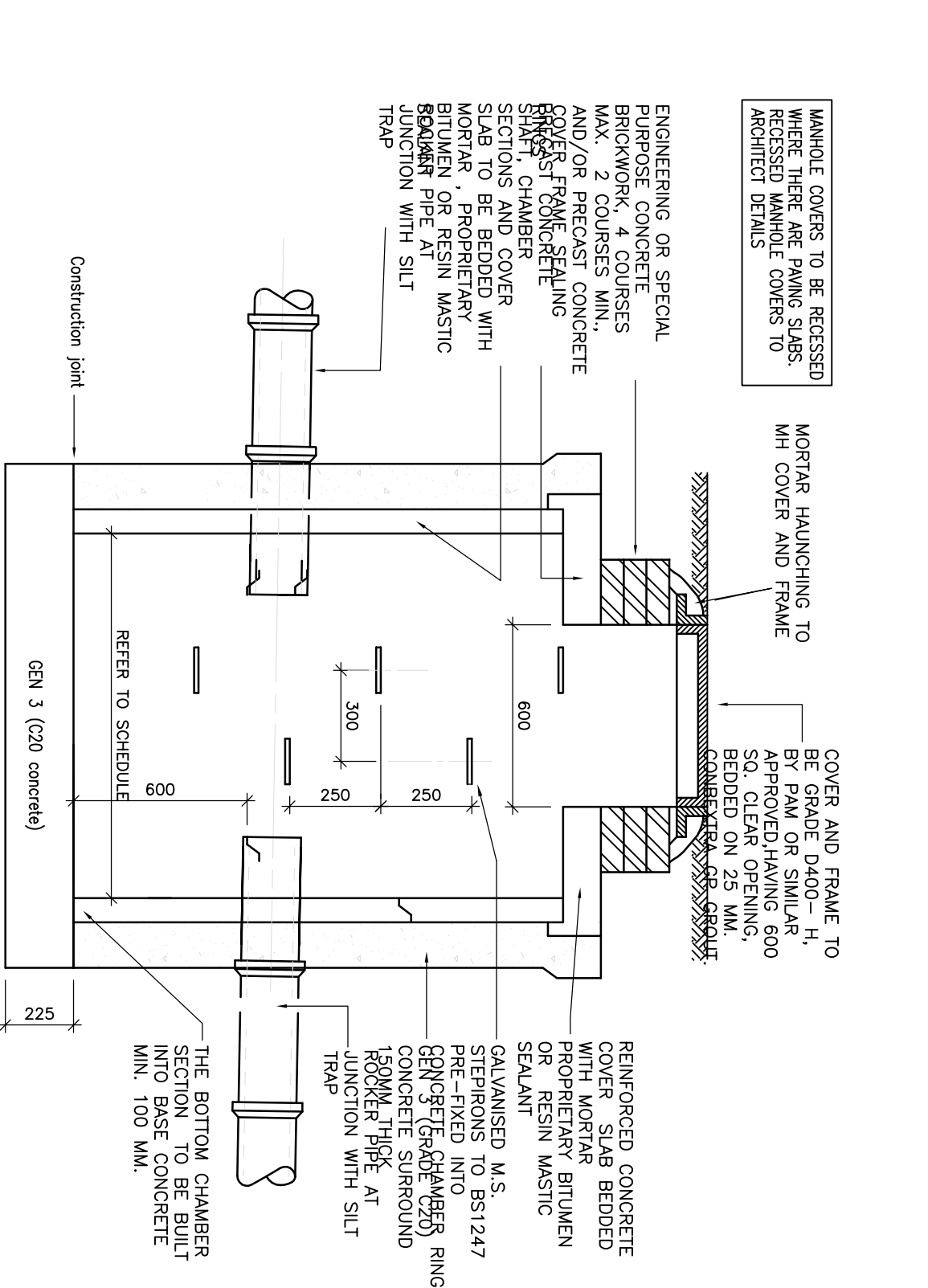
TYPICAL CAR PARK ROAD GULLY DETAIL

- ### NOTES FOR UNDERGROUND DRAINAGE
1. CONCRETE / CLAY PIPES TO BE USED FOR GRAVITY DRAINAGE PIPES.
 2. CAST IRON PIPES TO BE USED FOR ALL PRESSURE PIPES.
 3. FALL INDICATIONS TO BE USED AS A GUIDE ONLY. SPOT LEVELS TO BE WORKED TO ON SITE AND LEVELS INTERPOLATED/SMOOTHED OUT BETWEEN.
 4. MANHOLE CONSTRUCTION TO BE WATERTIGHT.
 5. FLEXIBLE JOINT OUTSIDE MANHOLES, STRUCTURES ETC. PIPES UP TO AND INCLUDING 450 DIA. 1st. FLEXIBLE JOINT 150 FROM OUTSIDE FACE OF M.H. OR STRUCTURE 2nd. FLEXIBLE JOINT 600 FROM 1st. FLEXIBLE JOINT (ROCKER PIPE).
 6. WHERE PIPES ARE ENTERING A MANHOLE AT AN ANGLE, A SLOW RADIUS BEND IS TO BE USED. THE BEND SHOULD BE BUILT INSIDE THE MANHOLE.
 7. HIGH STRENGTH (GRANULITHO) CONCRETE TOPPING TO BE BROUGHT UP TO A DENSE SMOOTH FACE. JENTS SHAPED AND FINISHED TO ALL BRANCH CONNECTIONS. (MIN THICKNESS 20). GRADIENT OF BEDDING IS TO BE A MINIMUM OF 1:12.
 8. ALL PRECAST CONCRETE MANHOLES ARE TO CONFORM TO B.S. 5911 PART 100.
 9. ALL PRECAST CONCRETE SLABS AND RINGS SHALL BE BEDDED OR JOINTED USING MORTAR, PROPRIETARY BITUMEN OR RESIN MASTIC SEALANT.
 10. ALL FOLL MAIN RUNS AND BRANCHES TO BE 150mm DIA. FOLL BRANCHES TO HAVE A MINIMUM FALL OF 1:80.
 11. ALL SURFACE WATER MAIN RUNS TO BE AS INDICATED ON THE DRAINAGE PLAN. BRANCHES FROM TOP TO 150mm DIA. WITH A MINIMUM FALL OF 1:30. BRANCHES FROM DRAINAGE CHANNELS TO TOP BY SUPPLIER OR CHANNEL.
 12. PUMPS TO BE ALARMED AND TO BE USED IN PAIRS. CAPACITY OF PUMPS AS NOTED ON THE DRAWINGS.
 13. DRAINAGE CHANNELS TO HAVE CAST IRON GRATINGS TO THE CORRECT VEHICULAR LOADING.
 14. FALS IN DRAINAGE PIPES. UNLESS NOTED OTHERWISE. ALL PIPES NEED TO BE LAID WITH THE MINIMUM FALL OF 1:100.
 15. VENT PIPES TO BE 100 DIA. WITH AN UPSIDE U SHARED TERMINATION.
 16. NOTE THE DRAINAGE CCTV SURVEY REPORT WAS NOT AVAILABLE AT THE TIME OF TENDER. ALLOW FOR CLEANING AND REPAIRING THE EXISTING SYSTEM AS PER THE RECOMMENDATIONS OF THE CCTV SURVEY REPORT.

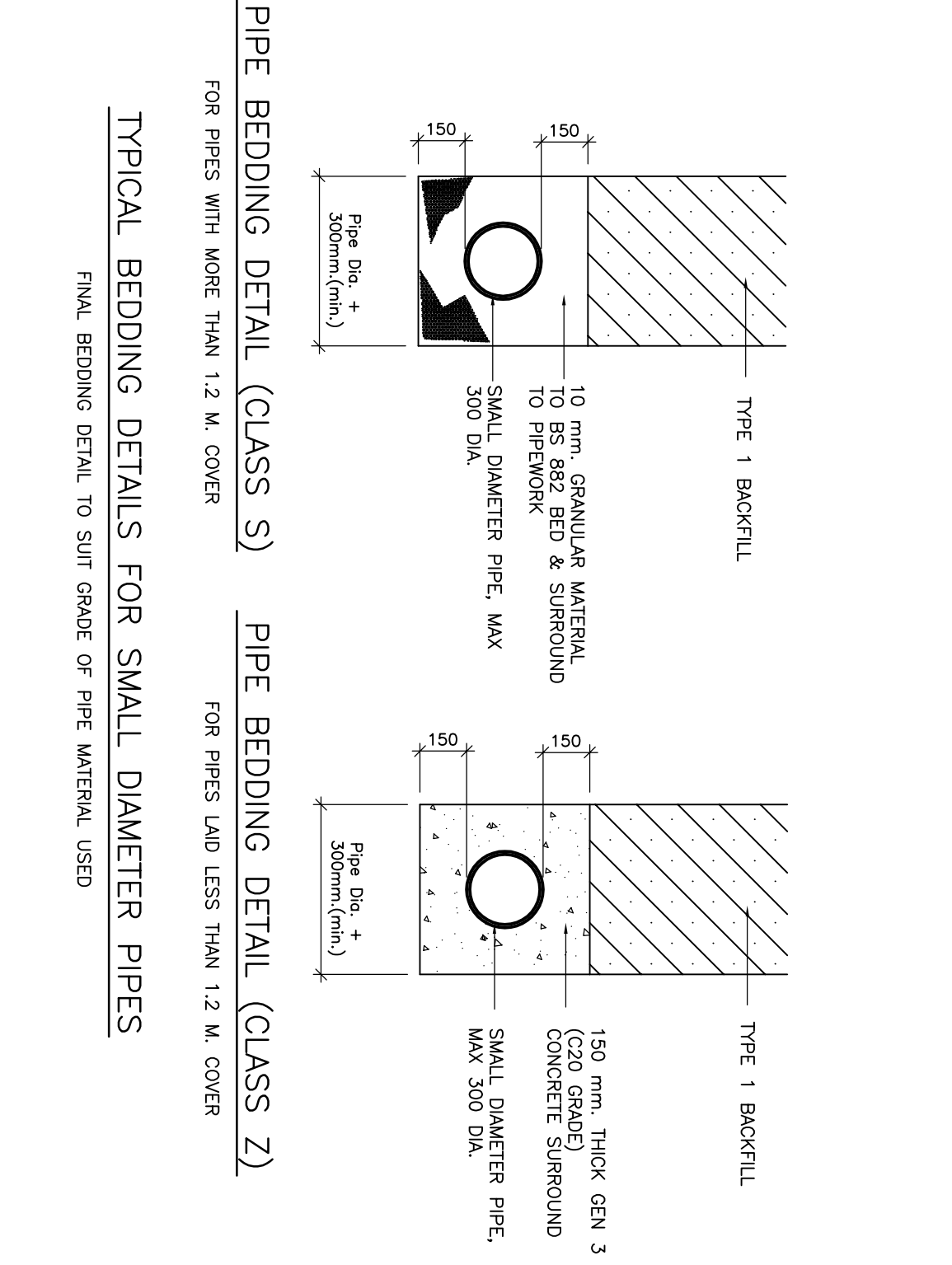
- ### CONTRACTOR DESIGN PORTION
- THE ITEMS BELOW ARE TO BE DESIGNED BY THE CONTRACTOR.
- PRIOR TO STARTING WORKS CONTRACTOR TO ENSURE DESIGNS OF ALL SPECIALIST EQUIPMENT ARE VERIFIED BY THE MANUFACTURER.
 - ATTENTION TANKS. HPM SUGGEST THE USE OF POLYPIPE AND TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE SUPPLIER'S RECOMMENDATIONS INCL. ACCESS COVERS, SURROUND MATERIALS ETC.
 - PUMPS AND PUMP CHAMBERS. HPM SUGGEST THE USE OF NEW SPELL PUMPS. PUMP CHAMBERS AND INSTALLATION OF PUMPS TO BE AS PER THE SUPPLIER'S RECOMMENDATIONS.
 - PETROL INTERCEPTORS. HPM SUGGEST THE USE OF NEW SPELL PETROL INTERCEPTORS. PETROL INTERCEPTORS AND SUPPLIER'S RECOMMENDATIONS. TO BE AS PER THE SUPPLIER'S RECOMMENDATIONS.
 - SPELL FILTER. HPM SUGGEST THE USE OF NEW SPELL FILTER. SPELL FILTERS AND INSTALLATION OF FILTERS TO BE AS PER THE SUPPLIER'S RECOMMENDATIONS.
 - CHECK ANGLE OF SHEAR RESISTANCE OF SOIL (REQUIRED 11 DEGREES MINIMUM)



EXTERNAL MANHOLES



SILT TRAP DETAIL



PIPE BEDDING DETAILS FOR SMALL DIAMETER PIPES

MANHOLE DIAMETERS TABLE	
NOMINAL INTERNAL DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	MINIMUM NOMINAL INTERNAL DIMENSION OF MANHOLE (mm)
LESS THAN 375	1200
375-450	1350
500-700	1500
750-900	1800
GREATER THAN 900	PIPE DIAMETER + 900

(DEPTH TO INVERT TO 6.00m.)

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS, DETAILS AND SPECIFICATIONS.
2. CDM DETAILS REFERS TO THE CONSTRUCTION DESIGN AND MANAGEMENT REGULATIONS. THE READER MUST BE AWARE OF THE REQUIREMENTS OF THESE REGULATIONS AS APPROPRIATE, WHICH IDENTIFY UNUSUAL AND ABNORMAL RISKS THAT A COMPETENT CONTRACTOR COULD NOT BE EXPECTED TO ANTICIPATE.
3. DO NOT SCALE FROM THIS DRAWING.

STATUS

TENDER

AS INDICATED @ A1

Checked DMC Passed Date JUNE 2021

Drawing No. 25097-10 T1

PROJECT

BARTON PARK, UNIT 5

DRAINAGE DETAILS (SHEET 1)

HPM

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CDM DETAILS (Refer note 2)

CDM DETAILS (Refer note 2)	ENG
1. ISSUED FOR TENDER	27
2. REVISION	06
3. BY	22
4. CHECKED	22
5. PASSED	22
6. DATE	22

CDM DETAILS (Refer note 2)

CDM DETAILS (Refer note 2)	ENG
1. ASSURE SIGNING OF GROUND TO BE PROVIDED FOR SAFE EXCAVATION	FT

HPM

Hurst Peirce + Malcolm LLP

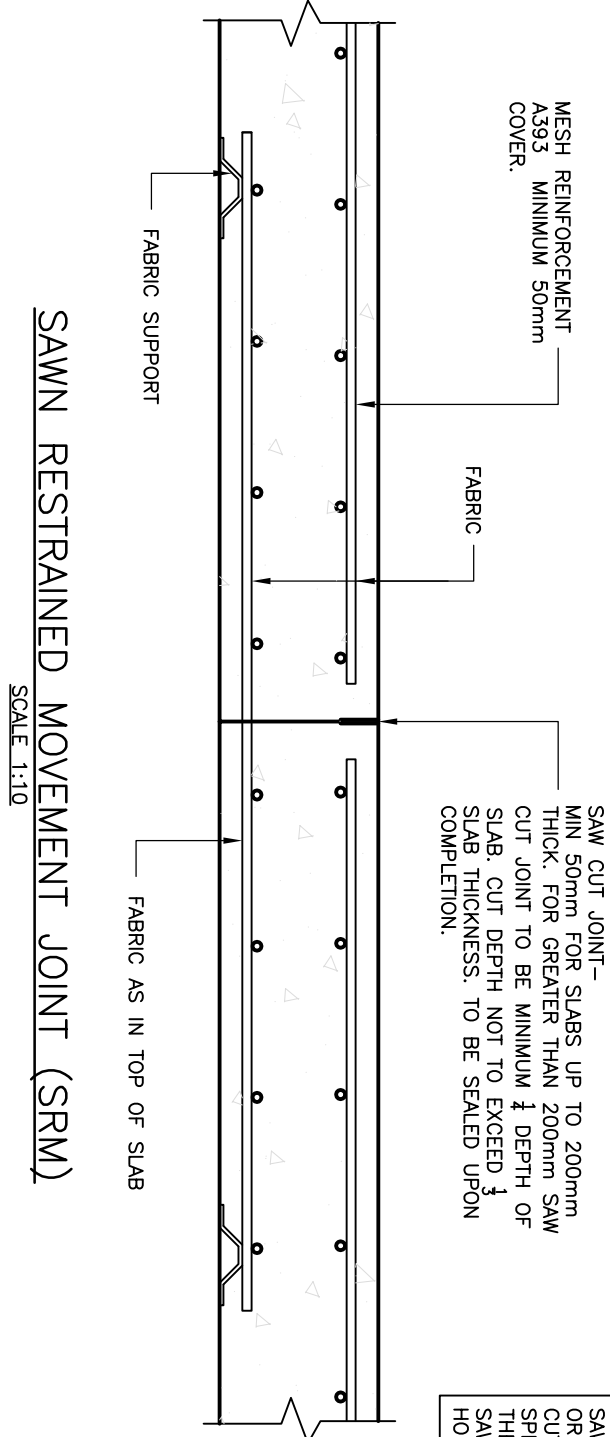
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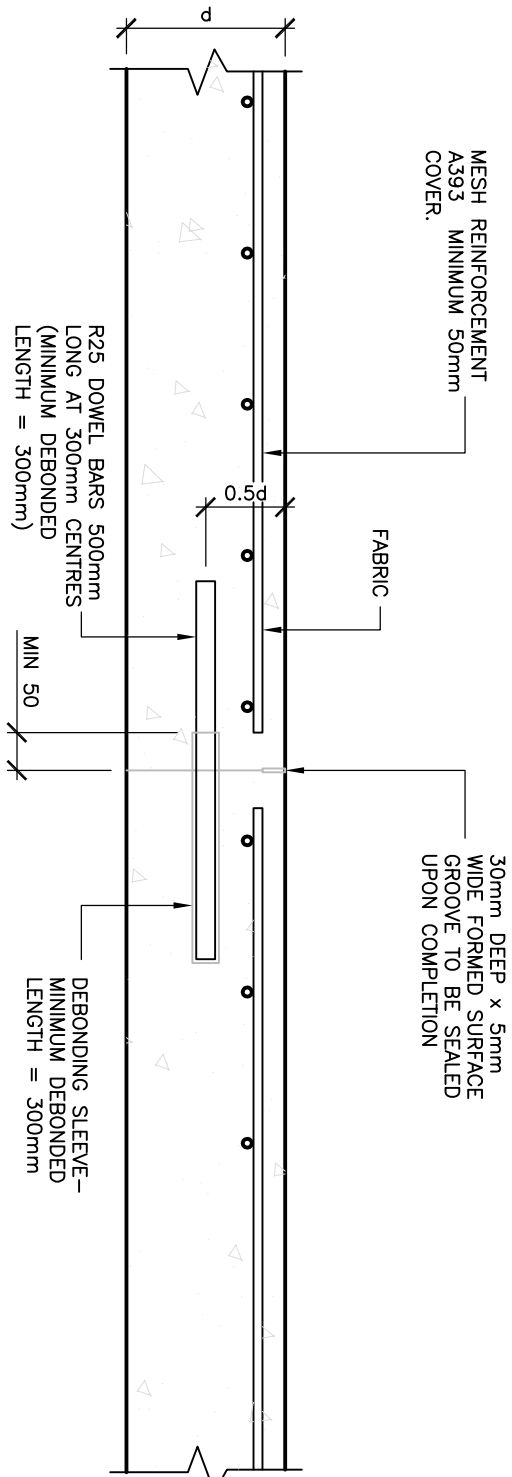
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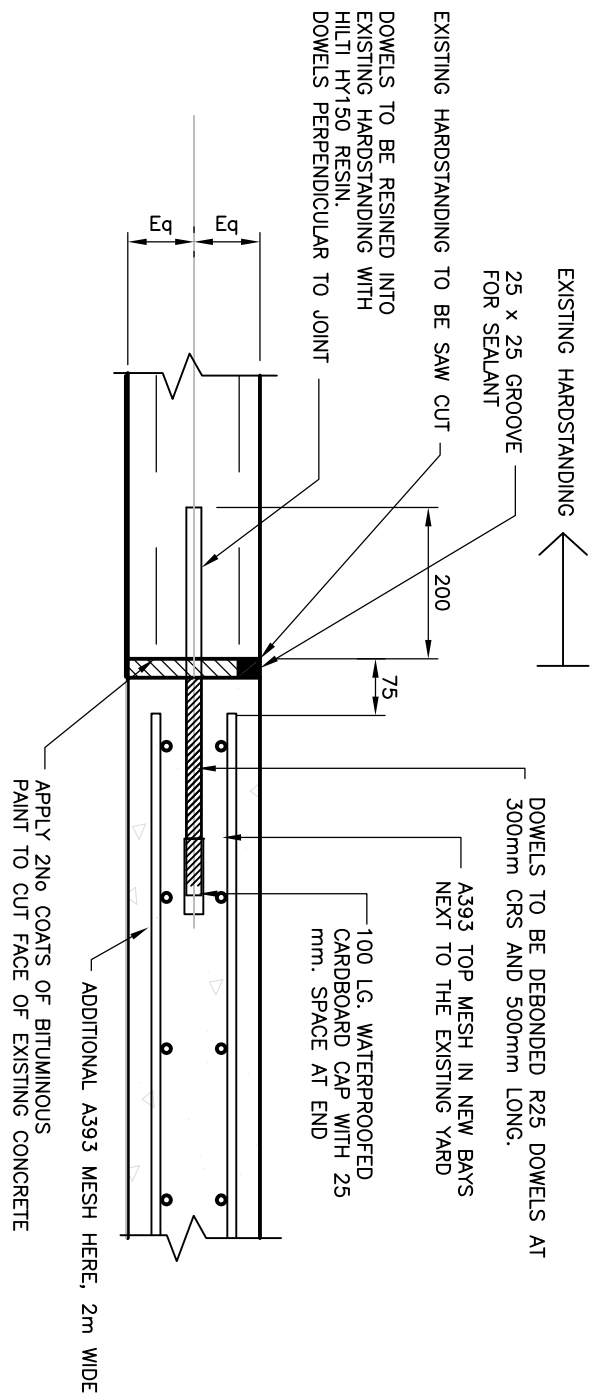
NOTE:
SAW CUT TO BE SEALED WITH A PERMALEX B OR SIMILAR APPROVED. THE TIMING OF THE SAW CUT SHOULD BE DETERMINED BY THE SPECIALIST SLAB SUB-CONTRACTOR TO SUIT THE AMBIENT TEMPERATURE WHERE POSSIBLE. THERE SHOULD BE NO LATER THAN 24 HOURS AFTER POURING.



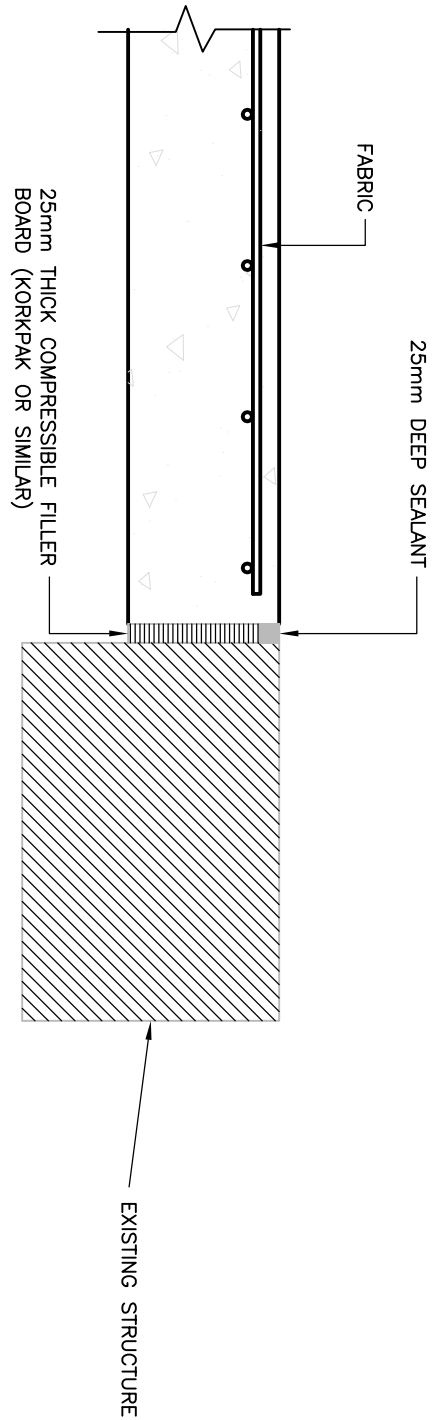
SAWN RESTRAINED MOVEMENT JOINT (SRM)
SCALE 1:10



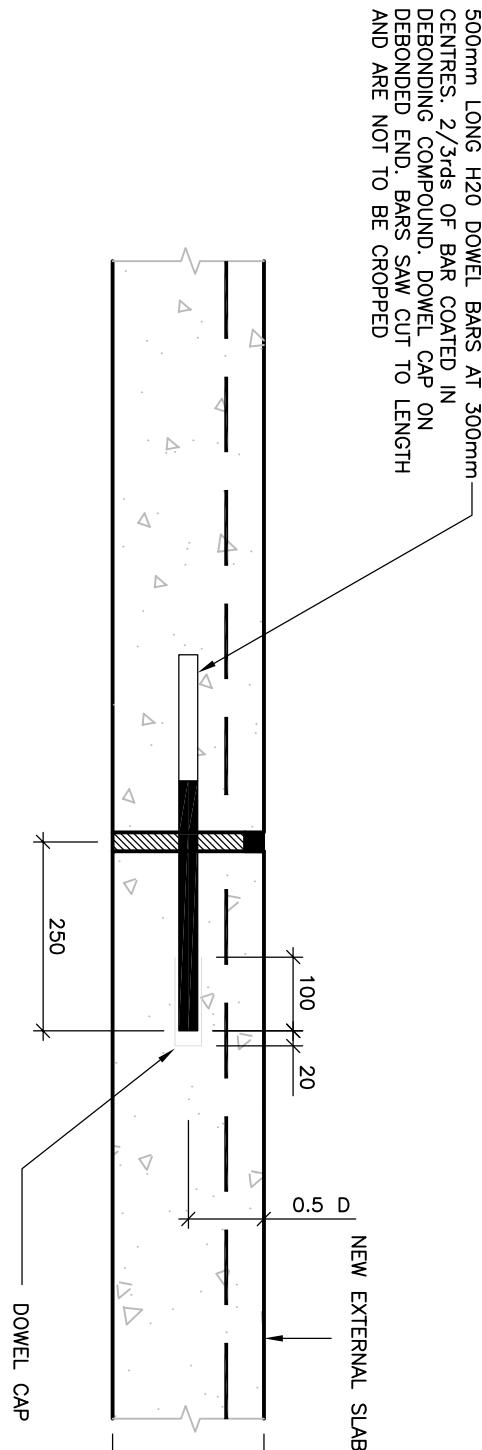
FORMED FREE MOVEMENT CONTRACTION JOINT (FMC)
SCALE 1:10



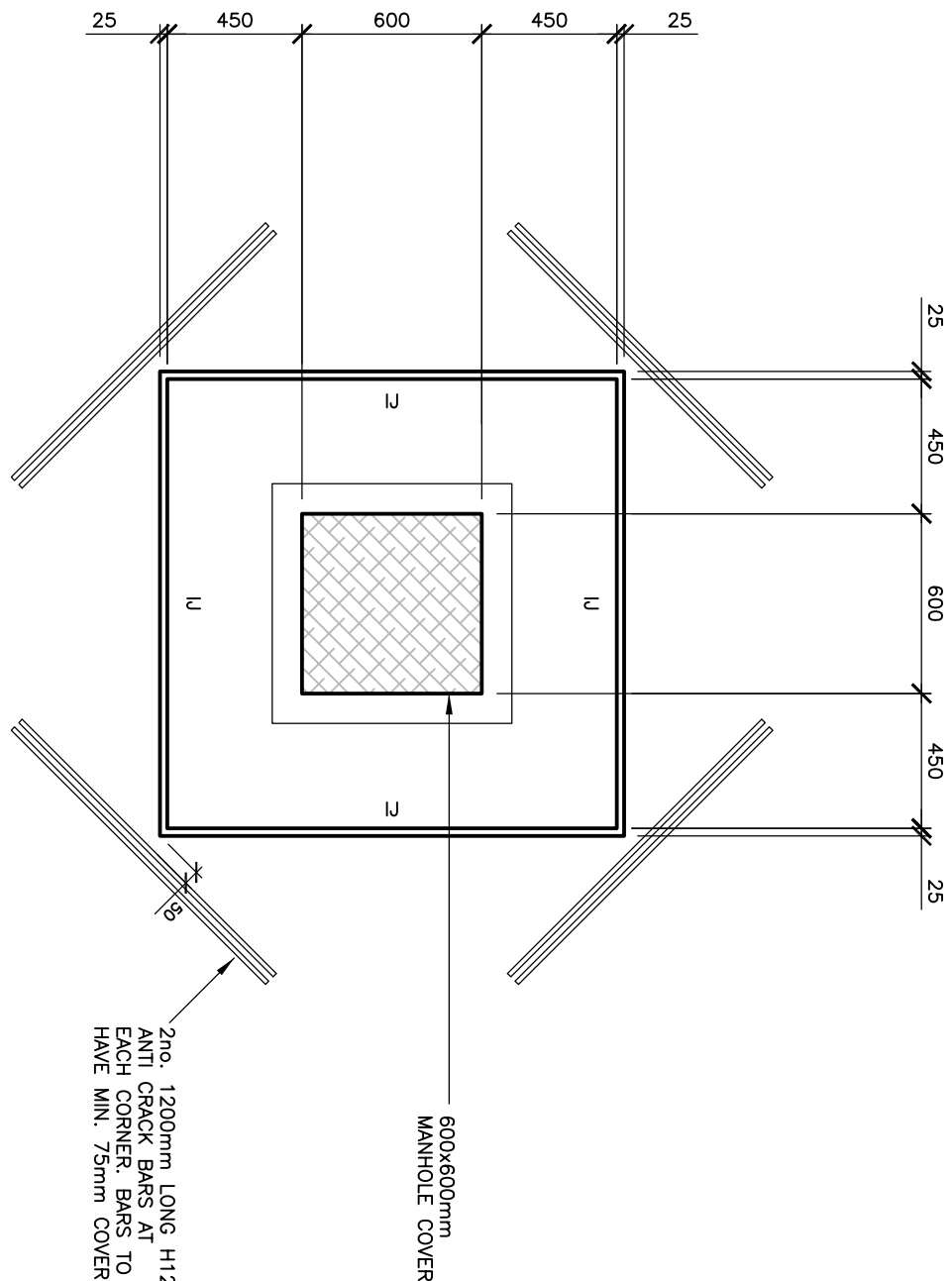
SPECIAL 1 JOINT
WHERE CONNECTING TO EXISTING HARDSTANDING
SCALE 1:10



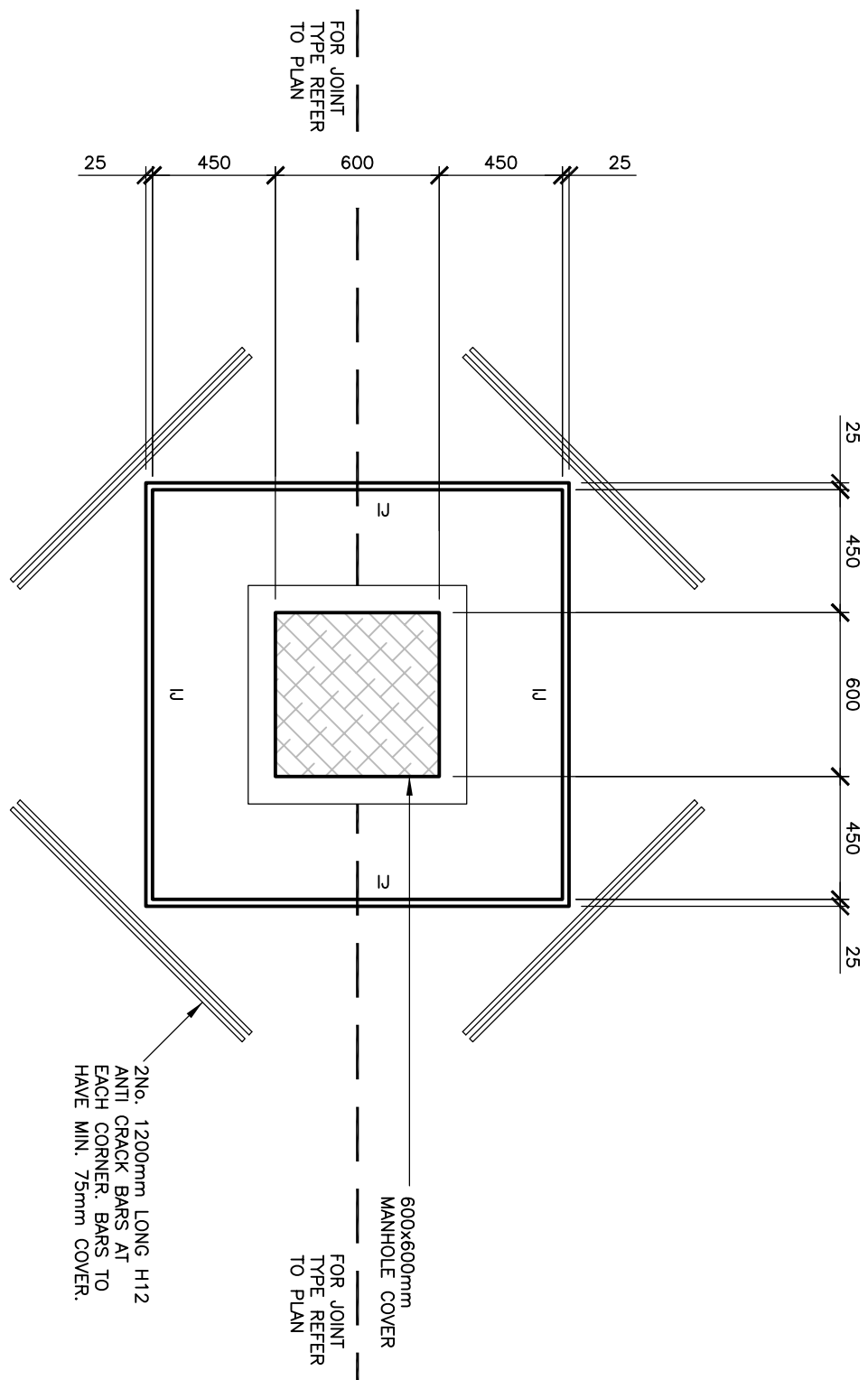
SPECIAL 2 JOINT
ISOLATION JOINT DETAIL
SCALE 1:10



EXPANSION JOINT (E.J.)
(SCALE 1:10)



TYPICAL JOINT DETAIL AROUND MANHOLE
(DETAIL 1)
(SCALE 1:20)



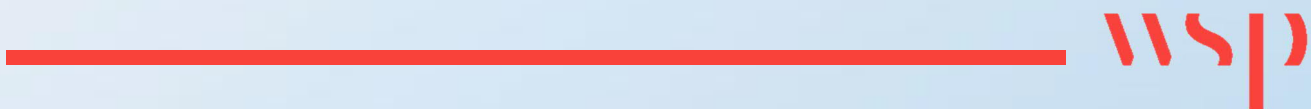
TYPICAL JOINT DETAIL AROUND MANHOLE
(DETAIL 2)
(SCALE 1:20)

CONCRETE HARDSTANDING
200mm THK RC40/50XF CONCRETE HARDSTANDING WITH A393 MESH TOP REINFORCEMENT. ON 1200 GAUGE POLYTHENE ON 150mm TYPE 1 SUB-BASE.

No	Revision	By	Ckd	Psd	Dte										
T1	ISSUED FOR TENDER	DH	DMC		27 06 22										

Appendix B

GENERAL LIMITATIONS



REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

GENERAL

1. WSP UK Limited has prepared this report solely for the use of the Client and those parties with whom a warranty agreement has been executed, or with whom an assignment has been agreed and outlined in the body of the report.
2. Unless explicitly agreed otherwise, in writing, this report has been prepared under WSP UK Limited standard Terms and Conditions as included within our proposal to the Client.
3. Project specific appointment documents may be agreed at our discretion and a charge may be levied for both the time to review and finalise appointments documents and also for associated changes to the appointment terms. WSP UK Limited reserves the right to amend the fee should any changes to the appointment terms create an increase risk to WSP UK Limited.
4. The report needs to be considered in the light of the WSP UK Limited proposal and associated limitations of scope. The report needs to be read in full and isolated sections cannot be used without full reference to other elements of the report and any previous works referenced within the report.

PHASE 1 GEO ENVIRONMENTAL AND PRELIMINARY RISK ASSESSMENTS

Coverage: *This section covers reports with the following titles or combination of titles: phase 1; desk top study; geo environmental assessment; development appraisal; preliminary environmental risk assessment; constraints report; due diligence report; geotechnical development review; environmental statement; environmental chapter; project scope summary report (PSSR), program environmental impact report (PEIR), geotechnical development risk register; and, baseline environmental assessment.*

5. The works undertaken to prepare this report comprised a study of available and easily documented information from a variety of sources (including the Client), together with (where appropriate) a brief walk over inspection of the Site and correspondence with relevant authorities and other interested parties. Due to the short timescales associated with these projects responses may not have been received from all parties. WSP UK Limited cannot be held responsible for any disclosures that are provided post production of our report and will not automatically update our report.
6. The opinions given in this report have been dictated by the finite data on which they are based and are relevant only for the purpose for which the report was commissioned. The information reviewed should not be considered exhaustive and has been accepted in good faith as providing true and representative data pertaining to site conditions. Should additional information become available which may affect the opinions expressed in this report, WSP UK Limited reserves the right to review such information and, if warranted, to modify the opinions accordingly.
7. It should be noted that any risks identified in this report are perceived risks based on the information reviewed. Actual risks can only be assessed following intrusive investigations of the site.
8. WSP UK Limited does not warrant work / data undertaken / provided by others.

REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

INTRUSIVE INVESTIGATION REPORTS

Coverage: *The following report titles (or combination) may cover this category of work: geo environmental site investigation; geotechnical assessment; GIR (Ground Investigation reports); preliminary environmental and geotechnical risk assessment; and, geotechnical risk register.*

9. The investigation has been undertaken to provide information concerning either:
 - i. The type and degree of contamination present at the site in order to allow a generic quantitative risk assessment to be undertaken; or
 - ii. Information on the soil properties present at the site to allow for geotechnical development constraints to be considered.
10. The scope of the investigation was selected on the basis of the specific development and land use scenario proposed by the Client and may be inappropriate to another form of development or scheme. If the development layout was not known at the time of the investigation the report findings may need revisiting once the development layout is confirmed.
11. For contamination purposes, the objectives of the investigation are limited to establishing the risks associated with potential contamination sources with the potential to cause harm to human health, building materials, the environment (including adjacent land), or controlled waters.
12. For geotechnical investigations the purpose is to broadly consider potential development constraints associated with the physical property of the soils underlying the site within the context of the proposed future or continued use of the site, as stated within the report.
13. The amount of exploratory work, soil property testing and chemical testing undertaken has necessarily been restricted by various factors which may include accessibility, the presence of services; existing buildings; current site usage or short timescales. The exploratory holes completed assess only a small percentage of the area in relation to the overall size of the Site, and as such can only provide a general indication of conditions.
14. The number of sampling points and the methods of sampling and testing do not preclude the possible existence of contamination where concentrations may be significantly higher than those actually encountered or ground conditions that vary from those identified. In addition, there may be exceptional ground conditions elsewhere on the site which have not been disclosed by this investigation and which have therefore not been taken into account in this report.
15. The inspection, testing and monitoring records relate specifically to the investigation points and the timeframe that the works were undertaken. They will also be limited by the techniques employed. As part of this assessment, WSP UK Limited has used reasonable skill and care to extrapolate conditions between these points based upon assumptions to develop our interpretation and conclusions. The assumption made in forming our conclusions is that the ground and groundwater conditions (both chemically and physically) are the same as have been encountered during the works undertaken at the specific points of investigation. Conditions can change between investigation points and these interpretations should be considered indicative.
16. The risk assessment and opinions provided are based on currently available guidance relating to acceptable contamination concentrations; no liability can be accepted for the retrospective

REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

effects of any future changes or amendments to these values. Specific assumptions associated with the WSP UK Limited risk assessment process have been outlined within the body or associated appendix of the report.

17. Additional investigations may be required in order to satisfy relevant planning conditions or to resolve any engineering and environmental issues.
18. Where soil contamination concentrations recorded as part of this investigation are used for commentary on potential waste classification of soils for disposal purposes, these should be classed as indicative only. Due consideration should be given to the variability of contaminant concentrations taken from targeted samples versus bulk excavated soils and the potential variability of contaminant concentrations between sampling locations. Where major waste disposal operations are considered, targeted waste classification investigations should be designed.
19. The results of the asbestos testing are factually reported and interpretation given as to how this relates to the previous use of the site, the types of ground encountered and site conceptualisation. This does not however constitute a formal asbestos assessment. These results should be treated cautiously and should not be relied upon to provide detailed and representative information on the delineation, type and extent of bulk ACMs and / or trace loose asbestos fibres within the soil matrix at the site.
20. If costs have been included in relation to additional site works, and / or site remediation works these must be considered as indicative only and must be confirmed by a qualified quantity surveyor.

EUROCODE 7: GEOTECHNICAL DESIGN

21. On 1st April 2010, BS EN 1997-1:2004 (Eurocode 7: Geotechnical Design – Part 1) became the mandatory baseline standard for geotechnical ground investigations.
22. In terms of geotechnical design for foundations, slopes, retaining walls and earthworks, EC7 sets guidance on design procedures including specific guidance on the numbers and spacings of boreholes for geotechnical design, there are limits to methods of ground investigation and the quality of data obtained and there are also prescriptive methods of assessing soil strengths and methods of design. Unless otherwise explicitly stated, the work has not been undertaken in accordance with EC7. A standard geotechnical interpretative report will not meet the requirements of the Geotechnical Design Report (GDR) under Eurocode 7. The GDR can only be prepared following confirmation of all structural loads and serviceability requirements. The report is likely to represent a Ground Investigation Report (GIR) under the Eurocode 7 guidance.

DETAILED QUANTITATIVE RISK ASSESSMENTS AND REMEDIAL STRATEGY REPORTS

23. These reports build upon previous report versions and associated notes. The scope of the investigation, further testing and monitoring and associated risk assessments were selected on the basis of the specific development and land use scenario proposed by the Client and may not be appropriate to another form of development or scheme layout. The risk assessment and opinions provided are based on currently available approaches in the generation of Site Specific Assessment Criteria relating to contamination concentrations and are not considered to represent a risk in a specific land use scenario to a specific receptor. No liability can be accepted for the retrospective effects of any future changes or amendments to these values, associated models or associated guidance.

REPORT LIMITATIONS - GROUND RISK AND REMEDIATION

- 24. The outputs of the Detailed Quantitative Risk Assessments are based upon WSP UK Limited manipulation of standard risk assessment models. These are our interpretation of the risk assessment criteria.
- 25. Prior to adoption on site they will need discussing and agreeing with the Regulatory Authorities prior to adoption on site. The regulatory discussion and engagement process may result in an alternative interpretation being determined and agreed. The process and timescales associated with the Regulatory Authority engagement are not within the control of WSP UK Limited. All costs and programmes presented as a result of this process should be validated by a quantity surveyor and should be presumed to be indicative.

GEOTECHNICAL DESIGN REPORT (GDR)

- 26. The GDR can only be prepared following confirmation of all structural loads and serviceability requirements. All the relevant information needs to be provided to allow for a GDR to be produced.

MONITORING (INCLUDING REMEDIATION MONITORING REPORTS)

- 27. These reports are factual in nature and comprise monitoring, normally groundwater and ground gas and data provided by contractors as part of an earthworks or remedial works.
- 28. The data is presented and will be compared with assessment criteria.

Appendix C

CONSENTS AND AUTHORISATION



Appendix C.1

PLANNING CONSENT



THE HARRIS PARTNERSHIP
THE OLD RECTORY
79 HIGH STREET
NEWPORT PAGNALL
MK16 8AB

Application	F/22/92888
Please ask for	Rachael Morris
Direct dial	023 8068 8463
Working hours	Mon to Fri 8:30am to 5pm
Email	rachael.morris@eastleigh.gov.uk

Tuesday 21 June 2022

Town and Country Planning Act 1990
The Town and Country Planning (Development Management Procedure) (England)
Order 2015

Application No. F/22/92888

In pursuance of their powers under the above Act and in accordance with your application received on Tuesday 26 April 2022 the Council, as Local Planning Authority hereby **Permit** the following :

Description: Proposed resurfacing of existing hard standing
Site: UNIT 5, BARTON PARK, CHICKENHALL LANE, EASTLEIGH,
SO50 6RR

Subject to due compliance with the following conditions:

- 1 The development hereby permitted shall be implemented in accordance with the following plans numbered: 25097-01, 25097-02, 25097-03, 17448-120 Rev B, 17448-121 and 17448-122

Reason: For the avoidance of doubt and in the interests of proper planning.

- 2 The development hereby permitted shall start no later than three years from the date of this decision.

Reason: To comply with Section 91 of the Town and Country Planning Act 1990.

- 3 Development works must be undertaken in line with the scheme for remedial works and measures, as set out in Remediation Strategy ref 70080743 dated April 2022 by WSP, to avoid the risk from contaminants and/or gases. This scheme shall be overseen by competent person.

Reason: To ensure that risks from land contamination to the future users of the land and neighbouring land are minimised, together with those to controlled

waters, property and ecological systems, and to ensure that the development can be carried out safely without unacceptable risks to workers, neighbours and other off-site receptors

- 4 Before any part of the development is occupied or used, unless otherwise first agreed in writing by the Local Planning Authority (LPA), a verification report demonstrating the effectiveness of the remediation works carried out and a remediation completion certificate confirming that the approved remediation scheme has been implemented in full shall both have been submitted to and approved in writing by the LPA.

The verification report and remediation completion certificate shall be submitted in accordance with the approved scheme and undertaken by a competent person in accordance with Defra and the Environment Agency's 'LCRM'.

Reason: To ensure that risks from land contamination to the future users of the land and neighbouring land are minimised, together with those to controlled waters, property and ecological systems, and to ensure that the development can be carried out safely without unacceptable risks to workers, neighbours and other off site receptors

- 5 All development shall be stopped immediately in the event that contamination not previously identified is found to be present on the development site and details of the contamination shall be reported immediately in writing to the Local Planning Authority (LPA).

Development shall not re-start on site until the following details have then been submitted to and approved in writing by the LPA:-

- (a) a written report of the findings which includes, a description of the extent, scale and nature of contamination, an assessment of all potential risks to known receptors, an update of the conceptual site model (devised in the desktop study), identification of all contaminant linkages and unless otherwise agreed in writing by the LPA and identified as unnecessary in the written report, an appraisal of remediation options and proposal of the preferred option(s) identified as appropriate for the type of contamination found on site. and (unless otherwise first agreed in writing by the LPA),
- (b) a detailed remediation scheme designed to bring the site to a condition suitable for the intended use by removing unacceptable risks to human health, buildings and other property and the natural and historical environment. The scheme should include all works to be undertaken, proposed remediation objectives and remediation criteria, timetable of works, site management procedures and a verification plan outlining details of the data to be collected in order to demonstrate the completion of the remediation works and any arrangements for the continued monitoring of identified contaminant linkages;

and before any part of the development is occupied or used (unless otherwise first agreed in writing by the LPA) a verification report demonstrating the effectiveness of the remediation works carried out and a completion certificate

confirming that the approved remediation scheme has been implemented in full shall both have been submitted to and approved in writing by the LPA.

The above site works, details and certification submitted shall be in accordance with the approved scheme and undertaken by a competent person in accordance with best practice as outlined in BS10175:2011+A2:2017 and LCRM. Any gas monitoring deemed appropriate is to be in accordance with best practice as outlined in such documents as BS8576:2013, BS 8485:2015+A1:2019, Claire RB17 and CIRIA C665.

Reason: To ensure that risks from land contamination to the future users of the land and neighbouring land are minimised, together with those to controlled waters, property and ecological systems, and to ensure that the development can be carried out safely without unacceptable risks to workers, neighbours and other off site receptors.

Note to Applicant: In accordance with paragraph 38 of the National Planning Policy Framework (July 2021), Eastleigh Borough Council takes a positive approach to the handling of development proposals so as to achieve, whenever possible, a positive outcome and to ensure all proposals are dealt with in a timely manner.

Yours faithfully

A handwritten signature in black ink, appearing to read "Andy Grandfield". The signature is written in a cursive, flowing style.

Andy Grandfield
Executive Head for Planning and Economy

N.B. See Attached Notes

Appendix C.2

CRUSHER PERMIT



Thorpe, Suzanne

From: [REDACTED]
Sent: 12 January 2023 12:51
To: Thorpe, Suzanne; Houghton, Andrew; Dave Cotterill
Cc: Tyrrell, Craig; Cole, Josh
Subject: RE: Unit 5 - Barton Park - Summary of meeting 09/01/23
Attachments: Crushing Notification for SO50 6RR

Hi Suzanne

The permit and notification have been sent to Southampton Council [please see attached]

The Crusher is due on-site W/C 23/01/23

Regards

Richard Gater
Senior Projects Manager



159 Ivyhouse Lane
Coseley
WV14 9LA
Tel: 01384 291782
Mob: 07946 042707
Web: www.wodehouse ltd.co.uk

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From: Thorpe, S [REDACTED]
Sent: 12 January 2023
To: Richard Gater <R [REDACTED]>
Cotterill <dave@incocontracts.co.uk>
Cc: Tyrrell, Craig <craig.tyrrell@wsp.com>; Cole, Josh <Josh.Cole@jll.com>
Subject: RE: Unit 5 - Barton Park - Summary of meeting 09/01/23

Hi Richard,

Thanks for confirming.

An MMP can take a little while to produce/ have the Declaration made by the Competent Person, so a decision as soon as you know would be ideal to keep the project moving.

Thorpe, Suzanne

From: Wayne Mills [REDACTED]
Sent: 09 January 2023 15:22
To: customerservicecentre@[REDACTED]
Cc: James Henley; Richard G
Subject: Crushing Notification for SO50 6RR
Attachments: Crusher Permit.pdf; RPH Crusher Permit

Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon

Please take this as notification of planned crushing works to start on WC 23rd

Location - Unit 5, Barton Park, Eastleigh, SO50 6RR
Duration - 2-3 Days
Works – Crushing 2000t of broken out concrete yard

Thanks

Regards

Wayne Mills
Design & Build Manager



159 Ivyhouse Lane
Coseley
WV14 9LA
Tel: 01384 291782
Mob: 07776 785953
Web: www.wodehouse ltd.co.uk

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Thorpe, Suzanne

From: Ric [REDACTED]
Sent: 09 J [REDACTED]
To: Wayne Mills
Subject: RPH Crusher Permit
Attachments: Crusher Permit.pdf

Good afternoon Wayne

Further to earlier telephone conversation I forward details of our crusher permit to enable you to notify the necessary council for the proposed concrete crushing work to be carried out. You will need to find the website for the appropriate council and notify the Environmental Health Department of the start date, address of site, permit reference as the operation may affect noise and dust in the area.

Thank you.

Jayne Richards
Richards Plant Hire

Specialist Pollution Team
Public Protection & Enforcement
Shirehall,
Abbey Foregate
Shrewsbury SY2 6ND

Tel.: 0345 678 9000



Pollution Prevention and Control Act 1999

The Environmental Permitting (England and Wales) Regulations 2010

Permit to Operate a Mobile Crusher and Screening Installation

Permit Holder: Richards Plant Hire	
Permit Reference:	EPR B102
Activity:	Operating a Mobile Crusher and Screening Installation
The Environmental Permitting (England and Wales) Regulations 2010 Schedule 1 Reference:	Section 3.5 Part B
Address of Installation:	Richards Plant Hire Westcott Westcott Lane Goldstone Market Drayton Shropshire TF9 2ED
Registered Address of Company:	Richards Plant Hire Westcott Westcott Lane Goldstone Market Drayton Shropshire TF9 2ED
Grid Reference:	371480 - 328862
Date of Application:	9 November 2004
Permit Issued:	24 March 2005
Variations:	23 October 2014, 6 th February 2018
Total Number of Pages:	1 - 7

Appendix D

WSP SITE VISIT RECORDS

Table D-1 – Summary of WSP Site Visits

Month of visit	Date of visit	Works Observed	Comment
December 2022	06.12.22	- Review of site works completed to date. - Review of documentation held onsite.	Observed completed site establishment and surface soil/material stockpiled into two stockpiles. Existing monitoring wells located and decommissioned (WS05, WS06 and WS07). WS08 could not be located and was not decommissioned.
	19.12.22	Review of site works completed to date.	Excavation commenced at the location of WS05, with asbestos consultant present to complete air monitoring. Material excavated to approximately 0.30 m bgl, where suspected ACM was encountered. Work ceased and area covered with sheeting. WSP engineer samples stockpiled material. Surface breakout and excavation works commence in north-west site. Two suspected ACM roof tiles encountered at base of concrete breakout, works ceased.
	20.12.22	Review of site works completed to date.	Monitoring well WS08 located and decommissioned. Commenced concrete breakout and removal in western and south-western boundary. Two samples of suspected ACM from WS05 excavation negative.
	21.12.22	Review of site works completed to date.	Continued removal of concrete surfacing in west and south-west. Consultant on site to complete air monitoring - low fibre count recorded and works can recommence. Start on breakout of concrete on central area between former railway lines.
	22.12.22	Review of site works completed to date.	Confirmation of location onsite for soil stockpiles, traffic routes, and wheel wash. Continued breaking up of concrete with air monitor stations and water spray in place. Potential asbestos fragments covered.
January 2023	04.01.23	Review of site works completed to date.	Startup after holiday break. Continue breakout of concrete, no visual or olfactory evidence of contamination.

Month of visit	Date of visit	Works Observed	Comment
			Wooden sleepers encountered, sample placed in bag and vapour reading taken.
	06.01.23	Review of site works completed to date.	Limited works due to contractor running out of fuel for plant. Broken out concrete stockpiled in NW of the site.
	09.01.23	Review of site works completed to date.	Continue to breakout and stockpile concrete. Surveyor on site to survey site levels in excavations to formation.
	12.01.23	Review of site works completed to date.	WSP sampling of stockpiles. Inspection of soils beneath broken out concrete. Potential fuel drips near fuel bowser.
	17.01.23	Review of site works completed to date.	WSP sampling of stockpiles. Inspection of soils beneath broken out concrete.
	19.01.23	Review of site works completed to date.	Inspection of soils beneath broken out concrete. Noted water being pumped from excavations and straight to ground. INCO told to manage water appropriately as it could be contaminated.
	20.01.23	Review of site works completed to date.	Inspection of soils beneath broken out concrete.
	23.01.23	Review of site works completed to date	Observation of manhole cover being placed h associated drainage pipe and filling in of trench. Noted a manhole cover location still filled with water awaiting a sample to be taken to determine disposal location.
	24.01.23	Review of site works completed to date	Observation of drainage runs being installed with trench excavation for additional drainage runs. Water sample taken, observed hydrocarbon sheen on water surface if disturbed. Sample dispatched to lab for analysis

Month of visit	Date of visit	Works Observed	Comment
	25.01.23	Review of site works completed to date	Limited site activity, waiting for result of water sample to continue works.
	31.01.23	Review of site works completed to date	Limited site activity, waiting for result of water sample to continue works.
February 2023	02.02.23	Review of site works completed to date	Limited excavation being undertaken for drainage
	09.02.23	Review of site works completed to date	No excavation. Installation of new manhole cover with associated pipework
	14.02.23	Review of site works completed to date	No excavation. Stockpiled soils being removed from site
	16.02.23	Review of site works completed to date	No excavation. Stockpiled soils being removed from site
	21.02.23	Review of site works completed to date	No excavation. Stockpiled soils being removed from site
	23.02.23	Review of site works completed to date	No excavation. Stockpiled soils being removed from site
	28.02.23	Review of site works completed to date	Concrete poured ready for installation of new drainage pipes. New SPEL tank delivered to site. Soil stockpile completely removed; small stockpiles still remain.
March 2023	02.03.23	Review of site works completed to date	No excavation. Installation of drainage.
	07.03.23	Review of site works completed to date.	No excavation. Piling for surface water tank install. Small stockpile noted central north of the site.
	09.03.23	Review of site works completed to date.	Excavation commenced to approximately 3.0 m bgl (GW encountered at ~2.40m) WAC sample from basal WTT. Currently 3 stockpiles on site small one^, gravel from interceptor pit north site

Month of visit	Date of visit	Works Observed	Comment
			boundary, and WTT silty clay soils south sit boundary.
	14.03.23	Review of site works completed to date.	Sampling groundwater and clay soil for WAC testing. Lorry to collect most recently excavated material.
	16.03.23	Review of site works completed to date.	5 stockpiles on site (one is tarmac from the north and south of site).
	21.03.23	Review of site works completed to date.	Stockpile of tarmac returned to site due to receiver not accepting tarmac. Excavation begun in south site, for below ground storage crates. Some timber with creosote odour and VOC reading of 20 ppm stored separate to arisings. Excavation base 0.70 m bgl. Contractor separated MG, natural RTD and natural WTT clays on site. Tarmac stockpile has been removed.
April 2023	19.04.23	- Review of site works completed to date. - Full list of stockpiles presents on site.	SPEL retention interceptor/separator installed. Excavation at attenuation tank ceased at 2.0 m. No visible or olfactory evidence of contamination evident from the dig areas carried out since last visit on 21.3.23. Over 200 loads of removed soil understood and up to 38 loads of clean imported material.
May 2023	16.05.23	- Review of site works completed to date. - Full list of stockpiles presents on site.	
	19.05.23	- Review of site works completed to date. - Full list of stockpiles present on site.	Installation of the remaining pump chamber next to SPELFilter chamber at the south east of the site. Other surfacing works preparation now started ready for concreting in. Works continue on the north and south new metal fencing installation.

Month of visit	Date of visit	Works Observed	Comment
	24.05.23		Materials on site include meshing for reinforced concrete slab above attenuation tank and ACO drainage materials. Another month on site planned to finish concreting.

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE: 6th December 2022

EXCAVATION/ GRID SQ: N/A

ENGINEER: Craig Tyrrell

WEATHER: Overcast, dry and cold

WORKS: Decommission Boreholes

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential "gross" contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

Arrived on site at 8:20am due to traffic, noticed work had begun breaking ground even though an email dated 5/12/2022 @16:09pm works were not to begin on breaking ground or excavation without appropriate environmental or asbestos management plans.

Site induction occurred once works were stopped by the site managers after being informed.

On previous day 5/12/22 it is understood that site was set up and the soil/mud on surface was scraped into stockpiles, see photos in folder w/c 5.12.22.

CAT and Genny was present on site.

Gate code 01715

Monitoring wells are to be located and decommissioned with the use of bentonite sealing pellets, WS05, WS06, WS07. WS08 was unable to be located and has not been decommissioned. Coordinates will be found in project folder and borehole located on subsequent visit.

Work completed previous to my arrival, any existing surface soils were split into 2 small stockpiles, the largest approximate 5m long, 2m wide and 1.5m tall. The second was more a "slush" and was approximately 4m wide, 5 m long and 1m tall.

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park..... DATE: 19.12.22.....

EXCAVATION/ GRID SQ: ENGINEER: DC.....

WEATHER: Rain. Heavy at time. SW winds 10-15mph gusty occasionally, dull.

WORKS: Inductions. Briefing of method around WS05, monitoring, PPE

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

0815 Arrive. Await for INCO Site Manager to arrive

0830 . All on site. – x1 INCO Samuel Boeltang 07884154362 (Main contractor) – x3 Wodehouse. Richard Gater (PM) 07946042707, x2 excavator driver and 2nd man – x2 Harper Envirosafe Ltd (asbestos watching brief subconsultants to Wodehouse and air monitoring).

0845. Induction and introduction. Key point. RG confirms start in WS05 area. Asbestos subconsultant and monitoring only for this area of the site today only. Confirm set up, sheeting available to cover if required, damping down and fibre monitoring to be set up down wind. Team briefed by asbestos subconsultant. PPE, coveralls and masks. DC briefs on remediation works is to render the site suitable for continued use as a yard and secondary to remove of identified gross contamination. Thus the observation of gross contamination to stop and inform so can assess, care when working around former pipes structures for contamination, inform of the IC and suspected soakaways, and risk to aquifer. INCO confirm have permit to dig in place to DC. DC queries vapour monitoring and has the use today of a PID meter but asks what their procedure is and has not been ignored. Asks of local supplier. DC suggests speak with nearest one know of – Safety Monitors Limited, near Bishops Waltham, Hampshire.

RG asks if WSP can sample the stockpile (SP1 at south of the site) from the surface scrap to assist offsite and understood this is something we will do from his correspondence with Suzanne. DC calls Suzanne. Confirms yes can do and would let client know cost. DC to collect some in tubs but will require some further jars at lunchtime. On view stockpile dark brown silty gravelly Sand. Gravel is of flint and brick largely. Noticeable occasional metal, fabric.

1015 Start in former suspected ‘washdown’ area at WS05 at NE of the site. Opened approx 5x12m size, 150mm reinforced slab beneath a mix of grey, dark grey brown, dark brown silty gravelly cobberly Sand. Gravel of brick and flint, some full sized bricks. Some scatter glass, fabric, metal. Some discoloration, localised, but no oily residue. Also gully removed. Only dug to approx 0.30m, just next to BH05 however subconsultant see white scattered deposits – samples, suspected fibrous asbestos such as lagging. Works cease. Area covered with sheeting.

1100. RG confirms will move to N west site boundary away from this area. Will also open some surface in different areas to allow attending asbestos subconsultant to view the material beneath. Asbestos Subconsultant and RG confirm the sample will be tested . If positive then will have to complete under watching brief of an asbestos consultant the delineation and picking of asbestos from this area before proceeding any further. DC samples stockpile but need some jars.

1200 Leave site. Collect jars.

1245. Return. Take jar samples. Contractor continues in the NW area working southwards. RG confirms only will now break the concrete and scrap it away but no excavation into the soil. Thick concrete in N-S facing beams frequent in this area up to 0.50m thick with some type 1 having been used to infill to surface in-between. Otherwise an average 200mm thick concrete, occasional reinforced. Material beneath dark brown, grey, dark grey mixture of flint ash, brick clinker, flint, occasional glass.

1445 DC stops works to check observation.. X2 ACM bonded corrugated roof sheet laying irregular (300x300 size approx) found encased at base the concrete. Looks like was thrown in when cast concrete. Concrete moved to side any smaller

bonded fragments collected and placed together and to be covered and fenced off. This will be removed at time of return and removal of the asbestos around WS05.

1545. Very heavy rain. Contractor attending to excavator. DC travels to city sprint drop of the stockpile samples. Contractor starts packing up the site for end of the day.

1700 Speak with Suzanne. Confirms we cannot test the stockpile as we are only completing verification works for the remediation strategy. I.e as these are going off site it is not our role and to be completed by the contractor. Suzanne informed the client and will confirm to contractor and RG.

Notes for tomorrow. Confirm zero fibre readings from the survey works, discuss WSP unable to test the samples- not required for our verification testing, check on the top of the former installation and to spray them up to protect that pipe is not pulled out accidentally during the works.

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park..... DATE: 20.12.22.....

EXCAVATION/ GRID SQ: ENGINEER: DC.....

WEATHER: Dry, clear, some scattered cloud, 8-10 degrees. Very light breeze (4 mph) from SW.

WORKS: Removal of Concrete surface.

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

0800 Arrive.

0815 . All on site. – x1 INCO Samuel Boeltang 07884154362 (Main contractor) – x3 Wodehouse. Richard Gater (PM) 07946042707, x2 excavator driver and 2nd man (sub contractor earthworks).

Mention to Richard and Samuel – WSP will not test the samples from stockpile. Our brief to client is verification report and watching brief. Thus for those soil going off site suggest Wodehouse enquire with their preferred Receiver what is required for testing (if landfill then likely WAC) but we can't go ahead and test these for you and the client. Richard suggests informing lab to hold these for moment as we may get instruction from the client in this instance. DC confirms.

Samuel mentions to DC regarding any risk of vibration when working today near the rail site boundary when breaking out (east perimeter). DC acknowledges and based on end of play yesterday the operators were able to proceed without the breaker and the slab was peeling up. DC suggest INCO ask Wodehouse if this can be done in this area.

0830. Wodehouse fence off the covered bulk ACM fragments noted yesterday found at base of concrete slab at west perimeter boundary.

0845. DC finds the final monitoring well at south of the site. Inform INCO and Samuel its location and if can protect / highlight and then decommission with pellets (although this hole did refuse early at 0.90m to continue to decommission for continuity). Also ask to mark up the other WS06 locations so not lost when come to check / cut the top of pipe and cap before scraping off all the concrete. DC informs pulling the pipe out may withdraw the swollen pellets forming the seal causing pathway.

0900. Start concrete removing along the west and south west perimeter. Damping down as proceed with water spray. Slab is thinner (150 -200 mm) with base anti- crack chicken wire reinforcement with some steel (5mm approx) in places. The subsurface subbase is mix off fine to coarse silty gravelly Sand with cobbles. Gravel and cobbles of flint and limestone aggregate with rare metal and rare plastic. No slag, clinker and ash noted in this area (midway to south perimeter along west perimeter west of the railway lines). PID reading <1.0ppm.

1000 Break. Wodehouse confirm PID meter on its way tomorrow to site.

1030 Commence again. Similar to before.

1100 stop works. Wodehouse Richard discusses plan / progress etc for crew. DC prep to leave site and return tomorrow. No olfactory evidence so far and ask INCO to refer to briefing yesterday and maintain vigilance with possible suspected ACM's beneath the surface and to cover as per plan, and again with any oily residues or other suspected contamination found immediately below the slab.

1130 DC leaves site.

1325. Phone call with Richard (Wodehouse). Confirms the two samples from the north east (around WS05) taken from suspected fibrous white material yesterday are confirmed as -ve. However they are going to stop any further progress today until tomorrow (wed) PM when they have the air monitors back. They are going to set them up for the remaining works this week as belt and braces to see if continues with zero airborne issues , but also mentions following discussions in

house asbestos team that they still don't know what the asbestos was in around WS05. On Wed 3rd they will return to site with their asbestos subconsultant in attendance to complete delineation around this area of the WS05.

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park..... DATE: 21.12.22

(PM).....

EXCAVATION/ GRID SQ: ENGINEER: DC.....

WEATHER: Dry, clear, overcast, 8-10 degrees. Very light breeze (4 mph) from S-SW.

WORKS: Removal of Concrete surface. Working in central strip between the exposed rail tracks

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

1330 Arrive. Team on lunch break. x1 INCO Samuel Boeltang 07884154362 (Main contractor) – x2 Wodehouse. x2 excavator driver and 2nd man (sub contractor earthworks), x1 Asbestos Air Monitoring engineer (Fibre Clean Analytical Ltd)

Team confirm no oily contamination or suspect asbestos products encountered this morning. Continued this morning with pulling up the surface concrete along central western section strip of the site from south to north. Can see on viewing the concrete surface is thicker to the north and notable more darker slag ash subgrade/base material. No oily residue. Did notice a suspected old inspection cover or chamber top in this area not yet disturbed. To inform INCO and spray up. May need care when removing this with potential contam and old pipes etc.

Air monitoring technician confirms has been monitoring since mid-morning with very low counts so far (1 – 2 fibres). So fine in that respect. The monitors were set up near and far along the west boundary. This afternoon he is providing the operator with a personnel monitor to see if any levels near the working area. Team continuing to use spray at all times and PPE adhered too.

1415. Start the central area in between the rail lines. Thicker 200mm consistently strong Concrete. Immediately beneath track ballast (ballast of limestone, with brick and concrete) with mixture of evidence of burnt products of clinker and possible some slag cobbles with some stronger colours. VOC remain < 1ppm. Some chalk fragments scattered occasionally, rare metal fragments. No odour. Team reach ½ down the strip by end of the afternoon. Periodically stopping to check over area and check for any suspected ACM.

1600 End. Crew beginning prepping to finish and lock up. 1615. DC leave site.

1700 DC emails Wodehouse (Richard) to confirm if surface area will be maintained to allow an oily residue soils that may be encountered to be set onto (impermeable surface) . Richard (1715) confirms on email with talk with the team in the morning and confirm back in the morning. Says this may be a surface or sheeting.

1615 DC leaves site.

Notes for next day.

To inform INCO and spray up. Older possible IC with the central west area of the site.

Check if the final monitoring well has been filled with bentonite as yet.

Check if the VOC meter arrived.

Confirm start date next year is the Tues 3rd or Wed 4th.

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park..... DATE: 22.12.22

(AM).....

EXCAVATION/ GRID SQ: ENGINEER: DC.....

WEATHER: Dry AM, some rain scheduled PM. Overcast. 10 degrees. Light breeze (6-8mph) from SW.

WORKS: Removal of Concrete surface. Working in central strip between the exposed rail tracks.

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

0845 Arrive. Team just about to start. x1 INCO Samuel Boeltang 07884154362 (Main contractor) – x2 Wodehouse. x2 excavator driver and 2nd man (sub contractor earthworks), x1 Asbestos Air Monitoring engineer (Fibre Clean Analytical Ltd)

0900 DC confirms response from Richard (Wodehouse) would confirm with team regarding setting down areas for soil stockpiles. Samuel (Inco) also informed and will consider with respect to their traffic routes for trucks and loading soils. Samuel also confirms there would be wheel washers also to allow no tracking of material before leaving site.

Air monitor stations 4 no. set up around excavation area and then works commences peeling back the concrete slab with bucket (no breaking with peaker required). Crew continuing with water spray at all times to control any dust . All crews and staff in working area wearing type 5/6 suits and masks.

Material exposed on surface below comprising dark grey, dark brown silty very sandy Gravel / very gravely Sand. Gravel and frequent cobbles of clinkers, track ballast shoulder (limestone or other stone aggregate) mixed with ash, flint frequent brick and frequent scattered white chalk debris. Very little slag deposits noted today. Occasional metal fragments. No odour and VOC < 1ppm. Occasionally see some clayey silty alluvial like soil debris under slab, but no oily residue or contamination noted on these or anywhere else.

Water on surface limit visibility in southern area. Stopped works and crew clear before commencing. Few fragments of brown possible fibre board material noted on surface. Crew stop, inform Samuel and Richard. The suspect fragments photographed and then covered. Area to be left for the asbestos consultant to view first day back who may confirm not risk or take sample for testing. The crew make safe then Wodehouse say will not continue uncovering any further given a lot complete (at this point only small strip left at the southern central section between the rail lines) but begin to stockpile the broken concrete to the north west corner.

DC informs Samuel (Inco) who confirms with the crew to give a good berth also around the other fenced area where the other bulk asbestos sheet fragments is covered and fenced off so allow the asbestos consultant chance to view these areas before confirming clear and ok to move. DC also points out the possible old brick topped inspection cover (apprx 1x1 m) maybe a drain or similar (spotted yesterday) in the centre of the site. Samuel confirms will leave breaking this once concrete moved away from around then inspect again. Samuel also confirms with Crew to place at good heavy concrete weight on all sheeting so does not move in windy weather).

1100. DC ask Air monitoring engineer re this morning results and confirmed all ok. Confirmed he will remain whilst they are still moving concrete around the site and monitor this also.

1130 DC leaves site.

Notes for previous day.

To inform INCO and spray up. Older possible IC with the central west area of the site. YES

Check if the final monitoring well has been filled with bentonite as yet. (Not yet but this is on MG only but have sprayed up and clearly marked ready to complete)

Check if the VOC meter arrived (Not yet DC used WSP PID again today but with no excavation planned now till new year should arrived by then).

Confirm start date next year is Tues 3rd with Richard arriving the Wed. DC said will call out Tues morning and see if anyone there or if are planning to start again around WS05 with the asbestos subconsultant (Harper) in attendance.

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE: 4/1/2023

EXCAVATION/ GRID SQ: ENGINEER: Craig Tyrrell

WEATHER: Overcast WORKS: Breaking out and stockpiling

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential "gross" contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

Arrived on site at 8AM to break out of concrete in progress, spoken with site manager about progress and what's happening onsite. Inspection of potential asbestos and contamination locations identified by D. Crellin previous to Christmas, no visible or olfactory evidence present in soils.

Spoken with John from Wodehouse (surveyor), they are under impression WSP are doing the testing, again have been informed we are not to do it, they are.

Additional Excavator arrived on site at 10am assigned to work with asbestos contractors.

A large skip arrived on site to remove metal from historic railway. One skip filled and taken away until an additional one arrives.

11:0 am the fuel cube registered as empty as no fuel had been ordered to keep it full.

Site walkover, wooden railway sleepers were identified with a creosote odour originating from them. A sample of these were taken, placed in a Ziplock bag, vapours allowed to build and checked with PID, PID revealed a high of 315.1ppm, site manager informed and told to segregate sleepers from other soils.

Lunch break at 12:30.

Work resumed 1:30pm. Metal placed in additional skip to remove from site.

Breakout resumed and stockpiling of concrete in northwest corner of site.

Off site at 4pm

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE: 9/1/2023

EXCAVATION/ GRID SQ: ENGINEER: Craig Tyrrell

WEATHER: Overcast WORKS: Breaking out, stockpiling and levels

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential "gross" contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

Arrived on site @8:15am due to heavy traffic

Work had already begun on arrival, difference from previous visit, all concrete that had been broken out had been stockpiled in northwest corner of site, informed by Wodehouse that the concrete needs to be broken down into smaller pieces in order for them to be crushed.

Spoken with site manager about testing which is now being undertaken by WSP. Enough sampling media for 20 WAC samples were ordered to Home address to be taken to site when needed. Next visit is scheduled for 12th January.

Surveyor arrived on site to take current levels and mark out levels to be built up to.

One excavator remained on concrete stockpile until departure breaking up concrete for crusher due to arrive week of the 21st January.

Soil samples to be taken on 12th include topsoil scraped from surface prior to breaking out, soils around wooden sleepers due to creosote concern and general samples to assist with waste classification and reuse.

INCO contracts manager on site on 11th, told site manager that if he has any questions he can give me a call and I'll stop by otherwise standard protocol occurs, if any unexpected contamination encountered, stop work and call me to inspect.

Some drainage pipe delivered in AM and left on site near SSE substation

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE: 6/1/2023

EXCAVATION/ GRID SQ: ENGINEER: Craig Tyrrell

WEATHER: Overcast WORKS: Breaking out and stockpiling

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential "gross" contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

Arrived on site @ 7:40am

Limited works being carried out due to no diesel left in fuel cube, works progressed very slowly.

Previous day, large amounts of breaking out were completed with the majority of concrete moved to the stockpile in north west corner. Down ramp has been broken out however still needs to be moved into stockpile. Not visible or olfactory signs of contamination present on site.

Concrete in south and north east corners only remaining concrete to be broken out however south east corner is a storage area for a soil stockpile. And north east corner is limited by SSE substation.

Some concrete stockpiled however out of diesel off site at 12:00pm

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE:12/1/2023

EXCAVATION/ GRID SQ: ENGINEER: Craig Tyrrell

WEATHER: Overcast WORKS: Sampling works

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential "gross" contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

On site at 8am, Chat with Site about sampling frequency. Crusher to arrive on site w/c 23rd January. Soil stockpiles being tested for WAC. Lab emailed for consignment number for samples to be dropped to depot in PM. Excavation Progress well during absence from site.

Oily sheen noted to be on ground near fuel cube and on surface soils. Torrential rain causing it to run into surface water drains, Site manager notified. No spill kit on site as of 12th January. Left site for office to check pool van for spill kit, no spill kit available to be taken.

Lunch @12:15 off site and samples taken to depot to be sent to lab. Back on site @13:35.

Discussed following week with Site Manager. Pop down Monday 16th in AM to discuss work for the week and visits.

Marked areas of concern around wooden sleepers with yellow spray paint, informed Wodehouse excavator driver to segregate these soils and site manager so they can be tested.

Inspected soils currently excavated for signs of contamination. No visual or olfactory signs noted to be present.

Samples taken:

Topsoil Stockpile GR: Original: SU45894 18919 Current position: SU 45848 18963

Stockpile 2 GR: SU 45855 18939

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE:17/1/2023

EXCAVATION/ GRID SQ: ENGINEER: Craig Tyrrell

WEATHER: Overcast WORKS: Sampling works

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential "gross" contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

On site at 10:10am, very heavy traffic

Spoken with Kevin (Wodehouse) about metal taken from site previous week. Initial response was very blunt saying he doesn't know. Additional response later was a phone number for Infinite Metal Recycling based in Chandlers Ford. Called later in the day in an attempt to track down metal however this was the broker that dealt with initial loads of metal taken from site previous to this. The broker also informed me that he had been called to warn him about my called and that I would be asking questions. He informed me that initial loads of metal taken from site had been taken away and waste transfer notes provided to Wodehouse with destination and weight.

Drainage pipe delivered to site along with concrete rings for manhole cover installation. Some pipe being cut down to size with use of power tools.

Site observations show small patches of sand, potential spills of fuel could have occurred.

Also noted that potentially contaminated wooden sleepers have been mixed in with potentially inert material causing cross contamination of soils despite it being emphasised that they are kept separate to the soil stockpiles and disposed of correctly.

Samples taken:

Stockpile 3 GR SU45851 18918

Stockpile 4 GR SU45853 18895

Stockpile 5 GR SU45882 18907

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE:19/1/2023

EXCAVATION/ GRID SQ: ENGINEER: Craig Tyrrell

WEATHER: Overcast WORKS: Sampling works

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential "gross" contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

On site @10am, ice causing road closures and long traffic queues

Site walkover undertaken to check on progress, noticed water from an excavation had a hose present along with a pump to remove water, water was being directly discharged to surface without a discharge consent. Recommended that either a consent or suitable container acquired and that no water is allowed to be discharged to surface.

Safety observation noted as entering excavations without appropriate shoring and supports. Contractors RAMS state that excavations are not to be entered without appropriate supports and access equipment to be used. Site manager not present to inform this has happened. Return following morning unannounced to check works being undertaken

No visible or olfactory evidence of contamination present.

Off site at 14:45

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE:19/1/2023

EXCAVATION/ GRID SQ: ENGINEER: Craig Tyrrell

WEATHER: Overcast

WORKS: Sampling works

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

On site @10am, ice causing road closures and long traffic queues

Site walkover undertaken to check on progress, noticed water from an excavation had a hose present along with a pump to remove water, water was being directly discharged to surface without a discharge consent. Recommended that either a consent or suitable container acquired and that no water is allowed to be discharged to surface.

Safety observation noted as entering excavations without appropriate shoring and supports. Contractors RAMS state that excavations are not to be entered without appropriate supports and access equipment to be used. Site manager not present to inform this has happened. Return following morning unannounced to check works being undertaken

No visible or olfactory evidence of contamination present.

Off site at 14:45

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh..... DATE: 23.01.2023.

EXCAVATION/ GRID SQ: ENGINEER: ...CT

WEATHER: WORKS:

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

Observation of manhole cover being placed h associated drainage pipe and filling in of trench.

Noted a manhole cover location still filled with water awaiting a sample to be taken to determine disposal location.

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh..... DATE: 24.01.2023.

EXCAVATION/ GRID SQ: ENGINEER: ...CT

WEATHER: WORKS:

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

Observation of drainage runs being installed with trench excavation for additional drainage runs.

Water sample taken, observed hydrocarbon sheen on water surface if disturbed. Sample dispatched to lab for analysis

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh..... DATE: 31.01.2023.

EXCAVATION/ GRID SQ: ENGINEER: ...CT

WEATHER: WORKS:

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

Limited site activity, waiting for result of water sample.

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE: 2.3.23

EXCAVATION/ GRID SQ: ENGINEER: CT

WEATHER: Overcast WORKS: Drainage installation

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

Limited activity – continuation of drainage pipe installation

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE: 7.3.23

EXCAVATION/ GRID SQ: ENGINEER: David Crellin

WEATHER: Overcast

WORKS: Preparation and Excavation of Interceptor Pit for Installation

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

- On site 0830 . Meet with Sam (INCO). Confirms no excavation today as the subcontractors (Wodehouse) prepare the temporary works for the pit excavation. Likely to tomorrow.
- 0845 Walk site and meet the other two personnel on site (Lead Supervisor and excavator operator Kevin – and groundworker x1 – assume both Wodehouse). Kevin briefly confirms the excavation likely tomorrow as they are 25% through placing in the temporary sheet piles (See images). These include the bracing supports. Kevin confirms dig will likely go to 2.6 m approximately and then see how the groundwater conditions go. So far piles going in around 4.0 to 4.5 m but hard at this depth (suspect into less weathered silty Clay WTT formation at this depth).
- DC confirms to Sam WAC sample taken by Craig last week from test dig in the interceptor location (sample taken from approx. 2 m) INCO due back Monday 13th (Next week).
- Site walkover shows open pit at base of ramp high with suspected GW level (approx. 1.50 m below base of ramp level). Water does not show any oily sheen or odour. Excavation made safe with Herras fencing. Can see other trenching from the ACO drains underway and some of the man hole installed.
- One small soil stockpile of soil noted central north of the site.(approx. 10 m³). Dark brown grey v gravelly slightly silty Sand with abundant cobbles and occasional boulders of concrete. No olfactory evidence, no odour. Occasional metal. Gravel is of concrete and brick with frequent full sized brick. Frequent plastic. No evidence of suspect ACM. Made Ground soils (see picture). Those few bulk asbestos corrugate and incased in concrete still remain separated and covered along the west site boundary.
- 0930 DC leaves site. Will return on Thursday to see progress of excavation.

Plant on site. X1 approx. 20 tonne 360 excavator and various buckets, x1 wheeled dumper, x1 skip and x1 covered skip. No temp tank storage. SPEL Interceptor/retention separator as well as the SPEL pump chamber (latter understood to be installed base of the ramp), other drainage materials and shingle backfill stockpile.

No visible or olfactory evidence of contamination present.

Off site at 0930

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE: 9.3.23

EXCAVATION/ GRID SQ: ENGINEER: David Crellin

WEATHER: Overcast WORKS: Preparation and Excavation of Interceptor Pit for Installation

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

- Arrive 0830 . Rain showers. Occasionally heavy. Meet with Sam (INCO). Confirm excavation commenced and groundwater encountered but wondering if combination of the rainwater ingress also. Sam describes how they (Wodehouse) would like advice on whether the excess can be pumped into the new installed manholes 1 or 2 (as shown on the proposed drainage layout plan) to hold the water which would then run back into the excavation via the installed drain run. I.e. so they can continue excavation. This request already been asked to Craig last week who confirmed this not acceptable and would need correct storage (or removal off site). Sam asks DC to meet now with the Forman – Kevin to review the current GW conditions and confirm best course.
- 0900 DC walkover. Observe the excavation which is approximately 3.0m depth with GW at approx. 2.40m in the supported pit (braced sheet piles) . Contractor encountered the WTT formation - silty sl. sandy brownish grey (soft becoming very stiff) CLAY and has separated these soils from the overburden (light greyish brown slightly silty gravelly SAND with abundant cobbles. Gravel and cobbles of subrounded flint (RTD). DC notes no evidence of olfactory contamination or VOC (PID <0.2 ppm) from stockpiles or soils, nor any evidence of contamination from the contact (top of the clays and overlying gravels). Contractor not able to confirm exact depth WTT clays encountered by based on size of the two stockpiles approximately 2.0 -2.5m.
- Kevin confirms depth of excavation approx. 3.0 to 3.50m. They are intending to go to 4.3 m before placing the concrete base on which the interceptor will site. However no further dig until confirmed where GW is to be displaced too. On view of water no sheen or olfactory evidence on its surface at 2.40m, contractor only noted a very slight odour during works yesterday.
- DC informs Contractor (Kevin) GW in base cannot be placed into the new manholes to flow back in controlled method to the pit whilst they works and not good practice when controlling contamination risk management. Instead noted back to Rem strategy and groundwater management required if encountered – and suggest good (tank or similar) storage or direct removal off site by tanker required. This also applies to the open pit for the silt trap (i.e. so they can carry on with this installation) at the base of the ramp and again not good practice to directly pump of the tested (and elevated) groundwater into the interceptor pit, but rather hold in controlled method and remove off site.
- DC walks remainder of the site. Recovers an extra WAC sample from the basal WTT clays **should the contractor require TBC**. Also view the current pipe work going in at approx 1m depth to manhole 1 from the western aco drain at north of the site. Take further PID readings (<0.1 ppm, also confirmed from excavation area and from stockpile of the gravels and clays). The pipe works going into natural reddish brown gravelly silty Sand (RTD) and only thin MG cover in this location appears.
- 1015 DC meet again with the Contractor (INCO and Kevin – Wodehouse) following walkover. Following discussion Kevin confirms they will arrange for the GW to be pumped via tanker and taken off site. Thus he confirms no further dig in the interceptor pit until this completed which likely next week - They key is the interceptor and the silt trap drain at base of the ramp which needs to be completed first. They have a few other bits to do but this is the focus.
- So three stockpiles of soil noted on site today –
 1. Same one from Tuesday 7th (as described: central north of the site.(approx. 10 m³). Dark brown grey v gravelly slightly silty Sand with abundant cobbles and occasional boundaries of concrete. No olfactory evidence, no odour.

Occasional metal. Gravel is of concrete and brick with frequent full sized brick. Frequent plastic. No evidence of suspected ACM. Made Ground soils (see picture).

2. Gravel from interceptor pit excavation -approx. 10-15 m³ brown very gravelly sl. Silty SAND with cobbles. Gravel and cobbles of flint (RTD). Stockpile place near north site boundary west of site entrance. No olfactory or PID / odour.
 3. WTT silty Clay soils (as previously described). Approx 10-15 m³. Stockpile noted towards the south central site boundary. Again no olfactory or odours.
- Those few bulk asbestos corrugate and incased in concrete still remain separated and covered along the west site boundary.

Plant on site. X1 approx. 20 tonne 360 excavator and various buckets, x1 wheeled dumper, x1 skip and x1 covered skip. No temp tank storage. SPEL Interceptor/retention separator as well as the SPEL pump chamber (latter understood to be installed base of the ramp), other drainage materials and shingle backfill stockpile.

Summary.

No visible or olfactory evidence of contamination present. GW proposed to be controlled by pumping and removal off site. Confirm no further GW sampling required. Contractor separated MG, natural RTD and natural WTT clays at present from the interceptor dig – required to go an approximately 1.5 m further into the clay. No other olfactory or suspected contamination soils stockpiled on the site. **Further WAC sample recovered TBC for testing from the clays.**

Off site DC 1045

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE:14.3.23

EXCAVATION/ GRID SQ: ENGINEER: David Crellin

WEATHER: Overcast

WORKS: Completion of ACO Drainage System

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

- Arrive 0945 . Rain showers. Meet with Sam (INCO). Confirm here to sample groundwater from the interceptor excavation. Confirm method of works, using telescoping rod with steel sample container, thus safe method of works behind temporary shoring. Sample to be on a fast turnaround. Also confirm a sample of the clay soil (wittering formation) is required for WAC testing, also to be collected by WSP today (reference SP-7). Sam also confirms the stockpile of natural RTD gravelly Sand from the interceptor excavation not been taken off site but awaiting the WAC test result. DC to confirm back current estimated time this result is due.
- Sam also describes how bag samples were recovered this week by ISO Testing. Understood from description as geotechnical samples tests for the storage tanks.
- 1000 DC confirms with Forman ok to approach interceptor pit and sample. GW at 2.20 m bgl. Clear water sample. A very very slight TPH/solvent-like odour to it. No VOC reading (PID = 0.0ppm) when tested at time of sample.
- 1. Contractors (Wodehouse x2 staff) only on site (Forman – Kevin and operative). Only other excavation on site is from the shallow trenching at the base of the ramp on site where ACO drain being installed. Approx 0.50m depth with 200mm concrete blinding in base on which the drain sits. DC views material stockpiled for collection and similar to previous (approx 10 tonne - Dark brown grey v gravelly slightly silty Sand with abundant cobbles and occasional boulders of concrete. No olfactory evidence, no odour. Occasional metal. Gravel is of concrete and brick with frequent full sized brick. Frequent plastic. No evidence of suspected ACM. Made Ground soils (see picture). Separated out is a smaller stockpile (is more coarse reddish brick material – again no olfactory and no odour. No suspected ACM.
- At time of visit a lorry arrives to collected some of this most recent excavated material (see photo).
- 1115 DC leaves site to dispatch the samples at the nearest City Sprint Depot (Hedge End) for fast turnaround. Confirms will return on Thur (2days time).

Plant on site. X1 approx. 20 tonne 360 excavator and various buckets, x1 wheeled dumper, x1 skip and x1 covered skip. No temp tank storage. SPEL Interceptor/retention separator as well as the SPEL pump chamber (latter understood to be installed base of the ramp), other drainage materials and shingle backfill stockpile.

Summary.

No visible or olfactory evidence of contamination present. GW sample taken today by WSP (GW-2). GW still proposed to be controlled by pumping and removal off site however Suzanne confirms request for additional test taken from the pit area and put on fast 2-3 day turnaround. Contractor separated MG, natural RTD and natural WTT clays at present from the interceptor dig – required to go an approximately 1.5 m further into the clay. No other olfactory or suspected contamination soils stockpiled on the site.

Off site DC 1115

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE:16.3.23

EXCAVATION/ GRID SQ: ENGINEER: David Crellin

WEATHER: Overcast WORKS: Completion of ACO Drainage System in the ramp area. Some tarmac stockpiling.

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

- Arrive 0815 . Rain showers but dry during walkover. Meet with Sam (INCO). DC confirm sample results from groundwater from the interceptor excavation due tomorrow 15th and will be issued by Suzanne. Sam confirms only some further excavation material likely from the shallow trench work but not much. DC confirms will look at and also take some PID readings.
- 0845. 5 stockpiles on the site - The natural gravely sands (WTT), grey brown silt/clay (WTT). Made ground stockpiles – Tarmac, general grey/brown silty gravely cobbly Sand (generally MG material viewed on 14th by DC and the more coarse brick gravel MG layer separated). No alofacotry evidence, VOC screening 0.0 ppm (see photo) and no suspect ACM's.
- DC enquires to Forman where Tarmac come from and confirm this has been taken up from the two areas at the north and south of the site. Due for off site (approx 10 tonne).
- At the time of visit DC notes x1 delivery of clean material (brownish/pinkish type 1 that has been used accrouns much of the western prepared area of the site as a subbase). See photo.
- 1. Contractors (Wodehouse x2 staff) only on site (Forman – Kevin and operative). Again only working this week in the ramp area as they await details of the groundwater management. Still not confirmed how if is to go offsite how this will be managed.
- 0945 DC leaves site to office.

QU. Has the Imported material been tested at any point? Suzanne checks and confirms every 50m³ of import needs to be tested in Rem Strategy.

Plant on site. X1 approx. 20 tonne 360 excavator and various buckets, x1 wheeled dumper, x1 skip and x1 covered skip. No temp tank storage. SPEL Interceptor/retention separator as well as the SPEL pump chamber (latter understood to be installed base of the ramp), other drainage materials and shingle backfill stockpile.

Summary.

No visible or olfactory evidence of contamination present. GW sample taken Tuesday due tomorrow lab result by WSP (GW-2). GW still assumed to be proposed to be controlled by pumping and removal off site however not been confirmed as yet (groundwater management plan) to Suzanne and WSP. confirms request for additional test taken from the pit area and put on fast 2-3 day turnaround. Contractor separated MG, natural RTD and natural WTT clays, tarmac on site (5 stockpiles). No other olfactory or suspected contamination soils stockpiled on the site.

Off site DC 0945.

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE: 21.3.23

EXCAVATION/ GRID SQ: ENGINEER: David Crellin

WEATHER: Overcast WORKS: Excavation works for the main storage crates / tanks.

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

- Arrive 0930 . Overcast. Meet with Sam (INCO) also on site Client – Josh Cole, and Dave Cotterill from INCO. Subcontractors (Wodehouse x2 staff) only on site (Forman – Kevin and operative).
- DC re confirms to Dave Cotterill groundwater cannot be recycled into system but to be removed from site . However will ask Suzanne to reply back once available to confirm their options based on the results. Sam confirm there has been 3 loads of soil returned to site and stockpiled (see picture) due to receiver not accepting due to tarmac found in it.
- Sam confirms that excavation has started at the south of the site for the below ground storage crates. DC speaks with Wodehouse Forman who confirms extent of dig reached approx 0.70 m bgl. Tarmac had previously been removed.
- Storage crates excavation. 0.70 m bgl. Approx 50-100mm of tarmac cover previous removed over 150mm of general mix of type 1 and ash material (black grey silty gravelly Sand. This in turn over white/grey/black mix of silty gravelly sand of chalk, flint, ash brick and clay. No odour. No olfactory evidence of contamination. Excavation area 20m x 11m x 0.70m depth. (see photos). DC does not take any samples as Wodehouse confirm similar MG to previously tested on the site at this depth in the trenches and DC can see no evidence of contamination incl asbestos.
- Also encountered was approximately 15 length of 250mm diameter cast iron or clay pipe (see photos). Clean. Operative / Forman confirms were empty. No odours.
- Also x1 timber with slight creosote odour and VOC reading on a fine sample of 20ppm. This has been placed separately to other arisings.
- Base of excavation around 0.70m showing slightly lighter colour brown clayey silty gravelly Sand of flint and cobbles of flint with ash and occasional brick.
- 1045. Return to office. DC then confirms with Josh about walkover at unit 7. Josh says ok to call round. Also confirms has no records available for the buried utilities and not sure where any interceptors are on site.
- Complete walkover at unit 7. (see other notes).
- 1200 return to office. Josh and Dave leave site and so DC confirms to Sam will contact Suzanne to get an update / summary on the groundwater test but will likely reiterate previous options available to them regarding removal or discharge. DC understands no further depth planned in the excavation at the storage tanks now.
- 1215 leaves site.
- 1700 DC later runs through findings with Suzanne. Suzanne enquires with completing a HazWaste on the water to allow a EWC waste code to be confirmed. This is successful and receives back - Non Hazardous Waste Classified as 16 10 02 for both water samples. Suzanne send this through with confirmation email reiterating the options available including to discharge the water if they have a discharge licence (client)

Plant on site. X1 approx. 20 tonne 360 excavator and various buckets, x1 wheeled dumper, x1 skip and x1 covered skip. No temp tank storage. SPEL Interceptor/retention separator as well as the SPEL pump chamber (latter understood to be installed base of the ramp), other drainage materials and shingle backfill stockpile.

Summary.

No visible or olfactory evidence of contamination present in the new dig 0.70 m bgl. Understand will wait till go further as subcontractor do not want to encounter further GW just yet. No further samples taken and DC will confirm in call tomorrow after speaking with Suzanne that will not need to test the new excavated material. VOC only noted in the wood timber only (20ppm). GW still assumed to be proposed to be controlled by pumping and removal off site however not been confirmed as yet (groundwater management plan) to Suzanne and WSP – have asked for a code for the waste water which Suzanne provides. Contractor separated MG, natural RTD and natural WTT clays on site (4 stockpiles). Tarmac stockpile has been removed. No other olfactory or suspected contamination soils stockpiled on the site. Receiver returned x3 loads of previous site material as it has tarmac within it. Also DC confirms to INCO the remaining clay WAC test (WTT) due this week tomorrow or Thursday (1-2days time).

WATCHING BRIEF RECORD

SITE: ...Unit 5 Barton Park, Eastleigh

DATE: 09/02/23

EXCAVATION/ GRID SQ: ENGINEER: CT

WEATHER: WORKS:

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

Installation of new manhole cover with associated pipework to connect to drainage

WATCHING BRIEF RECORD

SITE: ...Unit 5 Barton Park, Eastleigh

DATE: 14/02/23

EXCAVATION/ GRID SQ: ENGINEER: CT

WEATHER: WORKS:

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

Limited works being carried out on site as removal of waste soil stockpiles was being undertaken.

WATCHING BRIEF RECORD

SITE: ...Unit 5 Barton Park, Eastleigh

DATE: 16/02/23

EXCAVATION/ GRID SQ: ENGINEER: CT

WEATHER: WORKS:

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

Limited works being carried out on site as removal of waste soil stockpiles was being undertaken.

WATCHING BRIEF RECORD

SITE: ...Unit 5 Barton Park, Eastleigh

DATE: 21/02/23

EXCAVATION/ GRID SQ: ENGINEER: CT

WEATHER: WORKS:

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

Limited works being carried out on site as removal of waste soil stockpiles was being undertaken, in the time spent on site, 7 loads went off site.

WATCHING BRIEF RECORD

SITE: ...Unit 5 Barton Park, Eastleigh

DATE: 23/02/23

EXCAVATION/ GRID SQ: ENGINEER: CT

WEATHER: WORKS:

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

Limited works being carried out on site as removal of waste soil stockpiles was being undertaken, in the time spent on site, 5 loads went off site.

WATCHING BRIEF RECORD

SITE: ...Unit 5 Barton Park, Eastleigh

DATE: 28/02/23

EXCAVATION/ GRID SQ: ENGINEER: CT

WEATHER: WORKS:

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

Concrete poured ready for installation of new drainage pipes.

New interceptor tank delivered to site

Soil stockpile completely removed; small stockpiles still remain

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE:24.5.23

EXCAVATION/ GRID SQ: ENGINEER: David Crellin

WEATHER: Dry sunny warm

WORKS: Installation of the remaining pump chamber next to spelfilter chamber at the south east of the site. Other surfacing works preparation now started ready for concreting in. Works continue on the north and south new metal fencing installation

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

- Arrive 1530 . Meet INCO site representative – Simon (INCO)
- Walk the site with Simon.
- Plant on site. X1 360 20 tonne (or similar) excavator and wheeled dumper and small roller.
- Materials on site. X2 stockpiles. Excavated materials, likely from recent dig for the last pump chamber (chamber just east of the attenuation tank), and also clean natural gravel deposits (again likely from the pump chamber and left over from the adjacent spelfilter chamber).
- the stockpile of excavated soils from the dig approx. 5-10 Tonne. Visually inert appearance described as brown and dark brown silty clayey gravelly Sand with cobbles and boulders of concrete and brick as well as some grey brown gravelly sandy silty cobberly deposits.. Frequent wood fragments. Gravel is of flint. No olfactory evidence of contamination both from stockpile nor from the exposed excavation faces of the now installed but not concreted in pump chamber which is fenced off (see photographs).
- Other materials on site. Skip with metal debris from fencing, and delivery of the mesh for the reinforced 450mm thick slab to be cast above the attenuation tank. This is being prepared ready for concrete. Other drainage ACO drainage materials.
- Call received on Monday the 22nd that the dig had commenced for the final pump chamber by Dave at INCO. However was unable to get to see due to other site commitments. Thus during site visit confirm the exposed depth of MG and confirmation of the underlying natural RTD exposed.
- Offsite 1630

Summary.

No visible or olfactory evidence of contamination evident from the dig for the chamber from the pit sides and the spoil material. MG to 1.20m with noted thin layers of dark grey ashy clinker soil and brick foundations. No further old pipes exposed and not suspect ACM ,. DC confirms this with site operative.

DC confirms with site with only the small, short shallow trench to the mains just south of site for the outflow to connect in (approx. 200mm pipe at 1.20m depth) there is no further dig planned. They are commencing concreting now awaiting deliveries and planned at least another month on site finishing these off.

WSP need to return to get final tickets from office in coming weeks once all is complete ideally in terms of muck away.

Link to site photographs:

\\uk.wspgroup.com\central data\Projects\70095xxx\70095083 - Unit 5 Barton Park, Eastleigh Remediation Strategy\03 WIP\GR Ground Risk and Remediation\11 Site Visits\Watching Brief\Site Photos\wc 22.5.23

19.5.23. DC returns to the site AM to again give chance to photocopy further the remaining tickets.

Arrive 0845. Leave 10.15. Photogrpah a further 197 tickets of deliverys and WTN. Thus leave approx another 120 tickets in the cabin to be photographed for file.

These are saved here: \\uk.wspgroup.com\central data\Projects\70095xxx\70095083 - Unit 5 Barton Park, Eastleigh Remediation Strategy\03 WIP\GR Ground Risk and Remediation\11 Site Visits\Watching Brief\Tickets WTN and Imports

WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE:16.5.23

EXCAVATION/ GRID SQ: ENGINEER: David Crellin

WEATHER: Dry sunny warm

WORKS: Installation of the attenuation tank crates, excavation and installation of the adjacent Spelfilter chamber and installation of the pump chamber at base of the ramp. In addition the retaining wall L – Shaped have been installed on both sides of the ramp. (all completed prior to arrival). Works also started on the north and south new metal fencing installation

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

- Arrive 1030 . Meet new INCO site representative – Simon (INCO, tel 07772672657) who replaced Raphael recently. Others on site are subcontractors (Wodehouse x3 staff, Forman – Kevin and x2 other groundworker operatives).
- After introduction DC walks the site with Simon.
- Plant on site. X1 360 20 tonne (or similar) excavator and wheeled dumper and small roller.
- Materials on site. X2 stockpiles. Excavated materials, Simon confirms likely from recent dig for the Spelfilter chamber (chamber just east of the attenuation tank), and also clean natural gravel deposits (again likely from the Spelfilter chamber and left over from the adjacent attenuation tank dig). Also single pile of concrete recovered from breaking out old and installation of new boundary fencing.
- the stockpile of excavated soils from the dig approx. 5-10 Tonne. Visually inert appearance described as brown and dark brown silty clayey gravelly Sand with cobbles and boulders of concrete and brick. Frequent metal fragments also noted. Gravel is of flint. No olfactory evidence of contamination both from stockpile nor from the exposed excavation faces which is fenced off (see photographs). Some old pipe and evidence of MG but no olfactory or notable discoloration.
- Other materials on site. Skip with metal debris from fencing, some L shaped precast concrete retaining wall sections, other drainage ACO drainage materials.
- Simon confirm the remaining pump chamber is left to be installed in coming week which will be adjacent to the spelfilter chamber at the south east corner of site. . Change- outflow will now be installed just outside of the existing fence line at the south east corner of the site. This is planned in coming weeks too.DC asks if can be informed when this is likely.
- Some old cast iron pipe work recovered and placed separately to the dig around the recently installed Spel filter at the south east section of the site. See photographs. Appears the old , probable water pipes have rope seal around some of the joints. DC points out to Simon at INCO this may be ACM rope. Although small amount around the pipe DC advise should remain separate, ideally covered as they have done and have checked/confirmed prior to removal confirmed.
- DC return to cabin to review the WTN's in file and imports. DC then photographs 117 notes from recent back through APR. Still to complete March to Jan. DC will intend to return to complete more for verification file.
- Offsite 1230

Summary.

No visible or olfactory evidence of contamination evident from the dig areas carried out since last visit 19.4.23. These are the retaining remaining wall areas and the Spel filter chamber.

So far this week 9 spoil loads collected (WTN) and 17 deliveries of clean imported material. In total 339 loads of removed soil understood and up to 81 loads of clean imported material.

DC asks remaining digs to complete and when. Confirm due to finish mid June. At the north east corner understand substation is to be removed but not planning any further dig. Thus leave main digs for the remaining pump chamber at SE corner of the site.

Link to site photographs:

\\uk.wspgroup.com\central data\Projects\70095xxx\70095083 - Unit 5 Barton Park, Eastleigh Remediation Strategy\03 WIP\GR Ground Risk and Remediation\11 Site Visits\Watching Brief\Site Photos\wc 15.5.23\16.5.23 site visit

19.5.23. DC returns to the site AM to again give chance to photocopy further the remaining tickets.

Arrive 0845. Leave 10.15. Photogrpah a further 197 tickets of deliverys and WTN. Thus leave approx another 120 tickets in the cabin to be photographed for file.

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WATCHING BRIEF RECORD

SITE: Unit 5 Barton Park, Eastleigh

DATE:19.4.23

EXCAVATION/ GRID SQ: ENGINEER: David Crellin

WEATHER: Dry with sunny spells

WORKS: Further lowering of the ground level for the storm water storage crates as well as removal of existing brick retaining walls and excavation for footings for new walls (completed prior to arrival).

WATCHING BRIEF DESCRIPTION

To include description of soils (BS:5930), visual observations (staining discolouration, NAPL, sheen, objects, obstructions, utilities/ services), olfactory observations (odour – sweet, sour, hydrocarbon, solvent, sulphurous), physical observations (asbestos, NAPL, tanks, fuel lines), potential “gross” contamination observed, PID readings, photographs, sketches, notes on activities, notes on diary, notes on other observers/ discussions and audits, samples and validation.

- Arrive 0930 . Weather conditions - dry with sunny spells. Meet new INCO site representative – Raphael (INCO) who had only started on the site yesterday. Others on site are subcontractors (Wodehouse x2 staff, Forman – Kevin and x1 other groundworker operative).
- After introduction DC walks the site with Raphael.
- Plant on site. X1 360 20 tonne (or similar) excavator and wheeled dumper.
- Materials on site. X1 stockpile of clean imported Type 1 Limestone/Granite aggregate. 3 Loads received yesterday (L&S Waste)
- X1 stockpile (approx. 10 tonne) of river terrace gravel material, recovered from final remaining excavation of crate storage area (approx. 2 m depth).
- X1 small 1-2 tonne of tarmac, and
- X1 stockpile of excavated soils from the foundation dig for the retaining wall (approx. 5 Tonne). Visually inert appearance described as silty clayey gravelly Sand with cobbles and boulders of concrete and brick. Occasional plastic and frequent metal fragments also noted. No olfactory evidence of contamination both from stockpile nor from excavation faces (see photographs).
- Other materials on site. Plastic attenuation storage crates, L shaped precast concrete retaining wall sections, SPEL pump chamber or Silt trap (yet to be installed at base of ramp, other drainage ACO drainage materials.
- All excavations and any change in site levels fenced off.
- SPEL retention interceptor / separator installed. Raphael and groundworker confirm groundwater was removed and pumped into 3 waiting tankers for off site disposal. Concreted in surround.
- The excavation for the attenuation tank area has been lowered as can see in the photo. Appearance of pit sites (approx. 2m) show excavation clearly into River Terrace Deposits from approx. 1.0m. No evidence of discoloration or deep Made Ground or olfactory seepage on pit sides or pit base. Some old brick foundations of the order of 1.0m to 1.5m max in east and south pit face. Excavation has ceased at approx. 2m and test in base proven the groundwater level. The design is to go deeper but understand at present that will no go deeper (and pump whilst install, nut new design is not to dig out any further areas adjacent but to raise final ground level in this area? TBC).
- Retaining wall digs. No further planned this week. Remaining is approx. half of the southern retaining wall. Dig is from 0.50m to 1.5m max depth before concrete is poured in base with reinforced mesh. Excavation sides show upper 0.5 to 0.80m of clinker ash, brick, concrete gravelly cobblerly Sand fill consistent with remainder of the site. Becomes lighter and cleaner gravelly clayey prob reworked upper veneers of RTD below. No olfactory contamination noted and confirmed by groundworker.
- The pump chamber is yet to installed and confirmed will return with tankers to remove groundwater during its installation at the base of the ramp.

- Deliveries this week include x3 loads of the Type 1 material. Concrete lorries also as they installed the foundation bases for the L shaped retaining walls of the ramp.
- DC calls Dave Cotterill. Confirms there is a new Operations manager for the site (Jon?) and would ask him what information they have on the imported Type 1 material. DC asks if worth taking a sample from the recent stockpile for verification but Dave to confirm what records documents they have for the stone import material and to send through to S Thorpe.
- Offsite 11am.

Summary.

No visible or olfactory evidence of contamination evident from the dig areas carried out since last visit on 21.3.23. These are the retaining wall areas and lowering into the RTD for the attenuation tank.

The retention separator was installed and groundwater from the excavation was pumped off site to assist with the installation via tankers.

No further dig works planned this week. Dig areas to remain are now only the final section for the southern ramp retaining wall (approx. 10m length only, to say 1.50m depth) and the pump chamber at the base of the ramp. They are not planning it appears to dig lower the attenuation tank area as in the design drawings, awaiting confirmation from the designer but this assume may be to either extend its width or build up final level higher. TBC.

Over 200 loads of removed soil understood and up to 38 loads of clean imported material.

Link to site photographs:

\\uk.wspgroup.com\central data\Projects\70095xxx\70095083 - Unit 5 Barton Park, Eastleigh Remediation Strategy\03 WIP\GR Ground Risk and Remediation\11 Site Visits\Watching Brief\Site Photos\wc 17.04.23\19.04.23

