

DATE: 10th JUNE 2019

Revised 26/02/2020

Compiled By D.R Willows (Managing Director Plan-It Design Ltd)

Signed:-

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Contamination Remediation Verification.

This report has been prepared in keeping with best practice and current planning guidance, such as the *National Planning Policy Framework (NPPF)*[5]. A Remediation Verification report typically forms the final stage in an iterative risk-based approach to addressing land affected by contamination in the UK as set out in the Environment Agency's *Model Procedures for the Management of Land Contamination (CLR11*[6]*)*.

To discharge condition
This application is for approval of condition 5 stated in :
Full Planning Approval Ref: H05-0563-11 approved on 1st November 2011
Revised Approval Ref: H05-0077-16 approved on 23rd March 2016.

1.0 INTRODUCTION .....

2.0 PHASE 2 SUMMARY, CONCEPTUAL MODEL & RISK ASSESSMENT.....

3.0 REMEDIATION STRATEGY SUMMARY.....

4.0 REMEDIATION & VALIDATION .....

5.0 UPDATED RISK ASSESSMENT .....

6.0 SITE CONDITION .....

INTRODUCTION

Plan-It Design Limited has been commissioned by Invicta Developments Ltd to prepare a Remediation Verification report for a site, referred to as Orchard House & Fleet Mews, located to rear of Holbeach House which is a redundant health facility converted to dwellings facing Fleet Road.

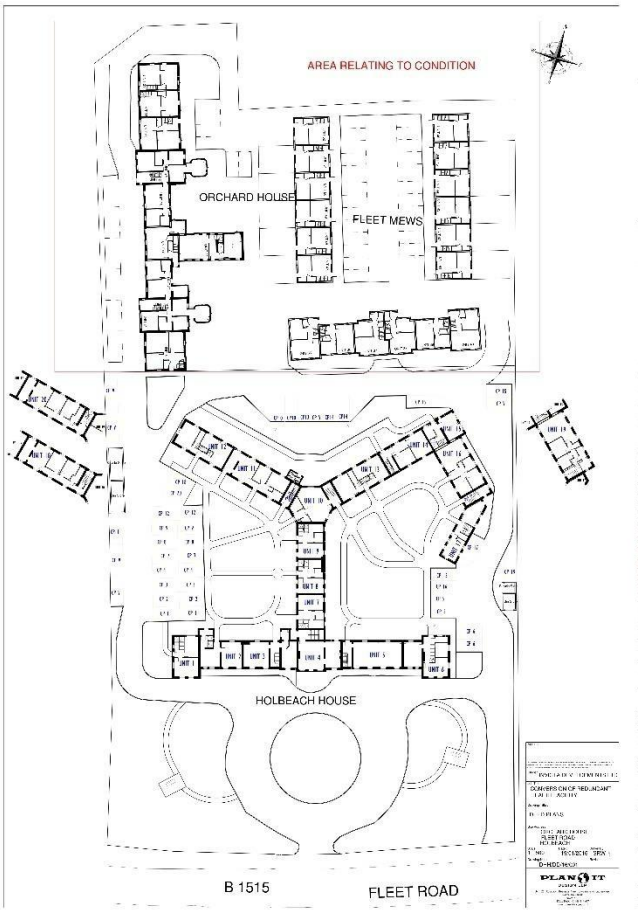
Orchard House has been redeveloped from an existing health facility to a number of terraced properties and apartments.

The site around Orchard House has the benefit of existing external areas.

Fleet Mews is a scheme of 18 terraced houses in three blocks of six. The blocks being arranged around a central courtyard, south east and west blocks.
The dwellings of the east and west blocks have the benefit of rear enclosed gardens while the dwellings south block have amenity areas to the front elevations facing into the central courtyard.

Statutory Guidance
1.10 References to the term "contaminated land" in this report relate to the statutory definition of contaminated land under the published Contaminated Land Statutory Guidance unless otherwise stated (also known as Category 1 and 2 under Part 2A). That definition is: *"any land which appears to the Local Authority in whose area it is situated to be in such a condition, by reason of substances on in or under the land that –*
a) Significant harm is being caused or there is a significant possibility of such harm being caused; or
b) Significant pollution of water environment is being caused or there is significant possibility of such pollution being caused".
Other terms such as "land affected by contamination" or "land contamination" refer to the much broader categories of land where contaminants are present but usually not at a significant level of risk to be classified as contaminated land under the definition Part 2A (also known as Category 3 or Category 4 under Part 2A).

REMEDIATION & VALIDATION



An Environmental Assessment Report was carried out by GDP and a report, Ref. 1804, and issued dated 9th March 2018.

A Remediation Method Statement was carried out and the ensuing report issued on 29th May 2018 GDP project number 1804-2

Extracts from the above Remediation Method Statement

Orchard House
Based on the investigation undertaken to date there is a single elevated concentration of a target contaminant. This relates to lead within soils located within a narrow permanently planted area of landscaping covered in a membrane and gravel mulch. There is therefore no plausible exposure pathway from this exceedance to end users or contractors and remediation is not considered warranted.

Fleet Mews
Suspected fragments of ACMs were observed in several locations across the Fleet Mews area, in particular in proposed garden areas on the east side of Fleet Mews and in trench arising stockpiles in the central area of the Site. Analysis of bulk asbestos samples identified chrysotile asbestos cement. It is considered likely that the ACM fragments originated from demolition of the small 'prefabricated' buildings in the central and eastern areas of the Site (seen on the above historical photograph), which took place prior to the Client's acquisition of the Site.
The ground investigation focussed on near surface soils as the most likely to be impacted from historical use and most likely to come into contact with construction workers and end users. Findings of the soil investigations and risk assessments reported in the GDP Environmental Assessment Report indicate that soils surrounding the Fleet Mews area of the Site contain PAH compounds in excess of the LQM S4UL GAC for residential with home grown
produce land use. With the exception of soil from HP12, all exceedances were observed in soils on the east of the development Site or from spoil in the central courtyard area.
Chrysotile and Amosite asbestos fibres were identified in 6 of 18 soil samples collected from proposed gardens and trench arisings from Fleet Mews. Of the six positive results three were recorded at concentrations below quantification (<0.001%). Positive quantification ranged from 0.002% amosite in HP1A (gardens east), 0.009% chrysotile in HP4 (gardens east) to 0.060% chrysotile in SP7 (trench arisings courtyard).
Soil in all gardens was noted to be an unsuitable growing medium and was typically hard-to dig compacted made ground.

The purpose of this Remediation Verification report is therefore to provide certification that appropriate management of the issues identified during the previous site investigations has taken place to a satisfactory standard and that the site is suitable for use.

The Verification Report has been prepared in accordance with the Verification of Remediation of Land Contamination guidance produced by the Environment Agency4 to document the remedial and verification works undertaken at the site to date. This report should be read in conjunction with the Remediation Plan and has been produced to discharge planning 5 of the (Ref H05-0563-11) Decision Notice dated 1st November 2011, imposed by the local planning authority South Holland District Council.

Orchard House.
All works to Orchard House have been completed as per the Remediation Method Statement and will remain as 100% tenanted accommodation under the control of the management company.

Remediation Plan
Fleet Mews



The above Remediation Plan which was drawn by Plan-It Design Ltd and was agreed between the LA planning officer and the author of the Plan, Mr. G Pickles of GDP in June /July 2018

<u>Removal of Contaminated material to External Areas around Nos1-18 Fleet Mews</u>

The existing soils were left in place, so no removal from site of contaminated material took place and no hand picking was carried out.
Therefore, there are no dairy entries regarding hand picking or cart away and tipping evidence.

Remedial Works

In order to save repetition the 18 terraced dwellings will be grouped into blocks of six i.e. South Block-East Block-West Block.
No contaminated spoil was taken off site all excavated material was graded on site and the ground levels were raised to allow capping layers and control construction to be applied without the need to overly disturb the existing material.

The work was carried out according to the above Remediation Plan as follows: -
The areas which were of concern were;

1. Those contained within the courtyard area which are the areas for car parking and pedestrian access routes. This area also contained all the utility routes to the 18 dwellings.
2. The amenity areas and paved areas to the front and rear of the south block of 6 dwellings.
3. The rear amenity areas to the east and west blocks (6 dwellings in each block)

Area 1.

The Courtyard

The utility trenches were excavated, and the excavated material was graded over the central vehicular manoeuvring and parking area of the courtyard. This formed a crown to provide a rainwater run off area. An ACO drainage channel was installed to accept the rainwater runoff. The outfall of the ACO drainage channel was taken to the existing on-site stormwater system.
As per the agreed detail, over the existing subsoil, a layer of 150mm thick hardcore was laid and consolidated.
75mm of Tarmac was laid over the hardcore subbase to the vehicular movement area with block paviours on a 50mm sand bed was laid over the subbase in the car parking bay areas.
The pedestrian areas were laid to 450 x450 concrete paving slabs over 50mm of sand bed again over the 150mm subbase.
The utility trenches where capped with hoggin over the utility cables/pipes in order to facilitate non contaminate risk re-dig if repairs are required.
The above construction was carried out as per the agreed detail. (see appendix for material invoices.)





Courtyard Under Construction Completed

As the whole courtyard has now been capped with hard surfacing and therefore potential pathways have been removed.

Area 2.

Amenity areas to front and rear of the Units 1-6 of the south block.

The required amenity areas around the south block were constructed as per the agreed details.
The construction to the amenity areas were as follows: -
Over the existing ground, a barrier orange geotextile layer was installed (see appendix for material specification sheet) laid over the geotextile membrane was a layer of steel mesh (6mm bars x100mm grid).
The components of this construction:-

- The steel mesh will prevent persons from digging into the contaminated ground below
- The orange geotextile layer will alert persons not to excavate the soils below.
- The above, and a restrictive covenant applied to all sales off legal transfer documents prevent owners from using the amenity areas to be cultivated.

150mm of clean consolidated hardcore has been installed over the above construction.
50mm thick layer of sand gives a firm base layer for the final capping layer of artificial turf.

A bin storage area is sited adjacent to the west of Units 1-6.
This area has been treated as per the Remediation Plan submitted to the LA and the construction, is as above except the final layer of artificial turf is replaced by a 20mm thick layer of gravel on which the waste collection bins will stand.



Amenity areas to front of South Block prior to completion

Paving slabs were laid to access routes to each dwelling as per the amenity area specification above. This area has been treated as per the Remediation Plan submitted to the LA and the construction, is as above except the final layer of artificial turf is replaced by 35mm thick concrete 450 x450 paving slabs as per the approved specification.

Area 3
The rear amenity areas to the east block (Nos 7 -12 incl)and west blocks (Nos 13- 18 incl) (6 dwellings in each block)The required amenity areas to the rear gardens of the east and west block were constructed as per the agreed details.
The construction to the amenity areas were as follows: -
Over the existing ground, a barrier orange geotextile layer was installed (see appendix for material specification sheet) laid over the geotextile membrane was a layer of steel mesh (6mm bars x100mm grid).
The components of this construction:-

- The steel mesh will prevent persons from digging into the contaminated ground below
- The orange geotextile layer will alert persons not to excavate the soils below.
- The above, and a restrictive covenant applied to all sales off legal transfer documents prevent owners from using the amenity areas to be cultivated.
- 150mm of clean consolidated hardcore has been installed over the above construction.
- 50mm thick layer of sand gives a firm base layer for the final capping layer of artificial turf

Again, access paving area has been treated as per the Remediation Plan submitted to the LA and the construction, is as above except the final layer of artificial turf is replaced by 35mm thick concrete 450 x450 paving slabs as per the approved specification.

Up dated Risk Assessment

Following the successful implementation of the various remedial measures as documented in this report, the qualitative risk assessment has been updated to present the current site condition.

The updated qualitative risk assessment is only concerned with any residual risks with the possibility of the known pollutant, chrysotile asbestos, affecting those persons living on or visiting the site.

The various stages of investigation and remediation has been collated and an updated qualitative risk assessment carried out in line with good practice and current guidance to provide a residual risk, if remaining, following remedial action. This residual risk may require long term maintenance or monitoring as part of the requirements of CDM 2015, and should be set out in the Health and Safety File for the subject site.

The potential for a pollution event to occur is an evaluated risk.
If the source or associated risk has been removed or the pathway broken, then the residual risk would be very low. In this instance the pathway has been broken by applying the approved construction to the at-risk areas.
This coupled with the “No Dig “restrictive covenant which will be applied to all sales/tenancy documentation

In summary, the risk to human health from identified contaminants, chrysotile asbestos, in the vicinity of the amenity areas and courtyard area has been effectively mitigated to very low through the capping off of the pathway.
The updated risk rating following the implemented remedial measure is now Very Low.

The site is now in a safe usable condition which can be accessed without the possibility of being affected by the presence of the known contaminant.

Photos of work carried out to the amenity areas of the east and west blocks.

It should be noted the LA also has the benefit of a comprehensive number of photographs taken on site by their building control inspector confirming the work outlined in this statement had been carried out to the approved specification. The LA building inspector is also has observed the remedial work to each plot as he completes his building control compliance certification.



Orange membrane & mesh



Depth below air vents



Completed hardcore layer



Section of construction



Completed artificial turf



Aerial photograph showing all areas capped.

List of invoices of materials used in the remediation construction (not exhaustive)

However, does include the source of the stone, orange membrane steel mesh sand artificial turf.

Specific Materials required for remediation of gardens

Area of gardens to nos1-18	872M2
Clean Hardcore	
Quanity of clean hardcore required @150mm deep	872 x 0.15 = 130.8M3
50mm clean Hardcore conversion rate 1.70 tonnes per m3	
Tonnage hardcore required	222.36 tonnes
Tonnage hardcore delivered (delivery notes attached)	233.40 tonnes
Orange Membrane	
Area required	872m2
Amount delivered	3x 4.5m x100m =1350m2

Pur 2424.

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Fax: 01332295665

Supplied by: Jackson Bc Grantham
Telephone: 01476 574444

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Bcs House
Pinfold Road
BOURNE
Lincs PE10 9HT

Delivery to:
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Fleet Mews
Orchard House
FLEET Rd
Holbeach PE12 7BB

RECEIVED
25 MAY 2018

Sale Type	DEL	Advice No.		Account No.	GTM0116
Invoice No.	GTM/384297	Customer Order No.	PLOT 1-18 FMEXL	Despatch Date	21 May 2018
Invoice Date	21 May 2018	Supplier		Page	1 of 1

Product Code	Description	Quantity	Price	Per	Discount	Value	V/C
2311670	Aco HexDrain Channel with Plastic Grate 1mtr	16.00	7.55	Each		120.80	7

BALANCE FROM ORDER GTM/383666(136668)

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Sale Type	DEL	Advice No.		Account No.	GTM0116
Invoice No.	GTM/384297	Customer Order No.	PLOT 1-18 FMEXL	Despatch Date	21 May 2018
Invoice Date	21 May 2018	Supplier		Page	1 of 1

Product Code	Description	Quantity	Price	Per	Discount	Value	V/C
2311670	Aco HexDrain Channel with Plastic Grate 1mtr	16.00	7.55	Each		120.80	7

BALANCE FROM ORDER GTM/383666(136668)

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C333HRFAQ3C2
A352 c1.68/262 b1

Sale Type	DEL	Advice No.		Account No.	GTM0116
Invoice No.	GTM/383711	Customer Order No.	FM EX CARPARK	Despatch Date	23 May 2018
Invoice Date	23 May 2018	Supplier		Page	1 of 1

Product Code	Description	Quantity	Price	Per	Discount	Value	V/C
2285039	Brett Delta 266x133x50mm Brindle - Barrow	8640.00	13.50	Per 29		4022.07	7
2285040	Brett Delta 266x133x50mm Sil Haze - Barrow	288.00	13.50	Per 29		134.07	7

Part 2316

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C333GPEPH6MS
A352 c1.95/445 b1

Sale Type	COL	Advice No.		Account No.	GTM0116
Invoice No.	GTM/380148	Customer Order No.	FMEXS	Despatch Date	16 Apr 2018
Invoice Date	16 Apr 2018	Supplier		Page	1 of 1

Product Code	Description	Quantity	Price	Per	Discount	Value	V/C
2220376	Bradstone 450x450x32mm Textured Paving Grey GOODS TAKEN ON TKT 369858 (808956)	9.00	9.19	Each	55.54%	36.77	7

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No Dig membrane.

C233HHF0D331
A352 c1.171/374 b1

Sale Type	DIR	Advice No.		Account No.	GTM0116
Invoice No.	GTM/382311	Customer Order No.	FMEXL	Despatch Date	02 May 2018
In. .e Date	11 May 2018	Supplier	Wrekin Products Ltd	Page	1 of 1

Product Code	Description	Quantity	Price	Per	Discount	Value	V/C
2989999	ORANGE FAST TRACK 4.5X100M	3.00	149.00	Each		447.00	7

Delivery Ticket No. 311799

Supplied by and Queries to:
728 Grantham Wharf Rd
Wharf Road
Grantham
NG31 6BJ
Tel: 01476 591007 Fax: 01476 592965

Pur 2517

JEWSON

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Invoice to:

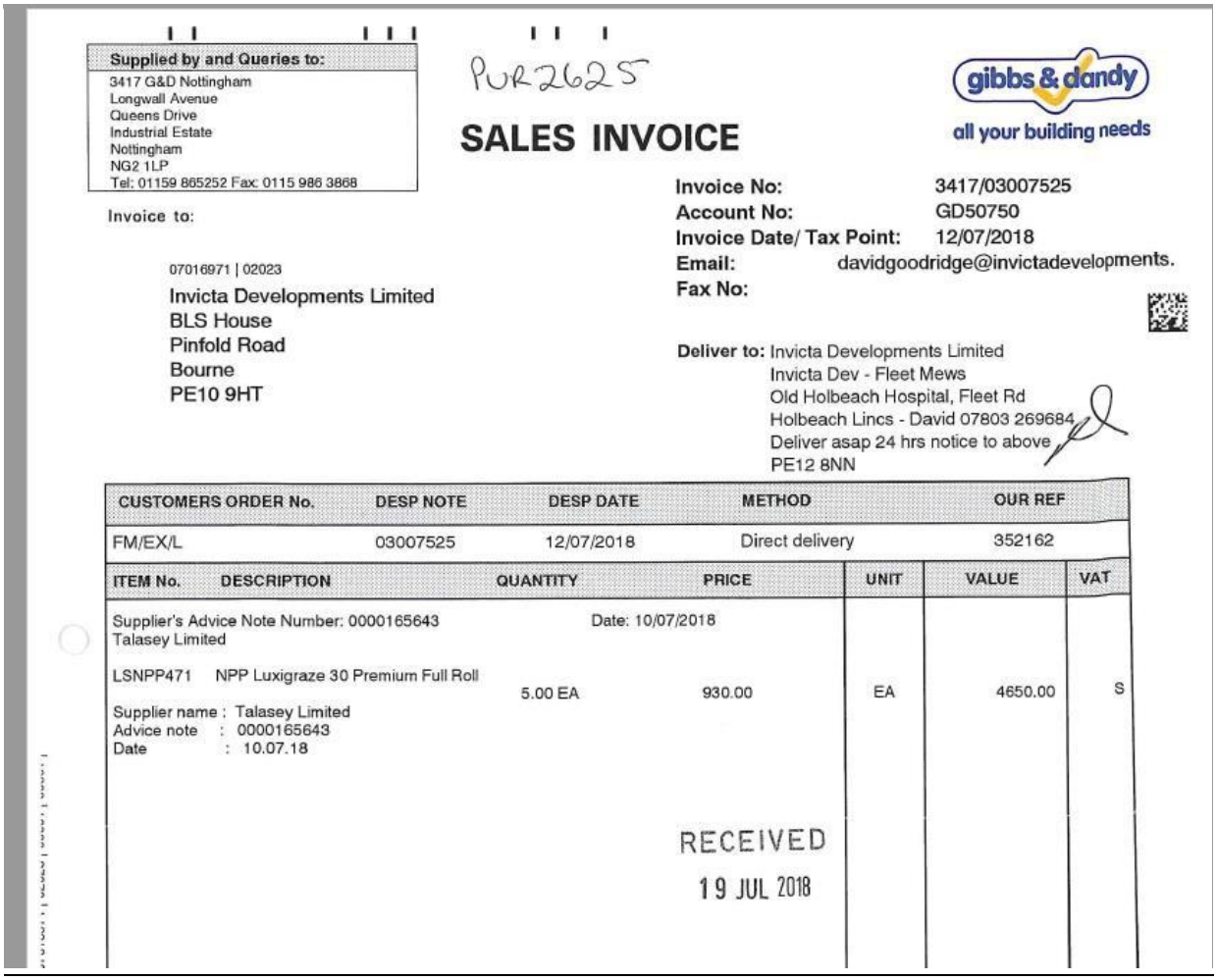
Invicta Developments Ltd
BCS House
Pinfold Road
Bourne
Lincolnshire
PE10 9HT

Invoice No: 0728/0305582
Account No: INVD014
Invoice Date/ Tax Point: 08/06/2018
Email:
Fax No: 01476 542879

Deliver to: HOLBEACH HOUSE
FLEET ROAD
HOLBEACH
FLOAT-07860166537
PE12 7BB

CUSTOMERS ORDER No.	DESP NOTE	DESP DATE	METHOD	OUR REF
FMEXL	0305582	08/06/2018	Direct delivery	51304

ITEM No.	DESCRIPTION	QUANTITY	PRICE	UNIT	VALUE	VAT
	Supplier's Advice Note Number: 1011447/07898 Date: 08/06/2018 Breedon Aggregates England Limited					
	DGZB9999/075697 Breedon - Kerb Mix	3.00 M3	122.57	M3	367.71	S



Supplied by and Queries to:
3417 G&D Nottingham
Longwall Avenue
Queens Drive
Industrial Estate
Nottingham
NG2 1LP
Tel: 01159 865252 Fax: 0115 986 3868

PUR2625

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Invicta Developments Limited
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PE10 9HT

Invoice No: 3417/03007525
Account No: GD50750
Invoice Date/ Tax Point: 12/07/2018
Email: davidgoodridge@invictadevelopments.
Fax No:

Deliver to: Invicta Developments Limited
Invicta Dev - Fleet Mews
Old Holbeach Hospital, Fleet Rd
Holbeach Lincs - David 07803 269684
Deliver asap 24 hrs notice to above
PE12 8NN

CUSTOMERS ORDER No.	DESP NOTE	DESP DATE	METHOD	OUR REF
FM/EX/L	03007525	12/07/2018	Direct delivery	352162

ITEM No.	DESCRIPTION	QUANTITY	PRICE	UNIT	VALUE	VAT
Supplier's Advice Note Number: 0000165643 Talasey Limited			Date: 10/07/2018			
LSNPP471	NPP Luxigraze 30 Premium Full Roll	5.00 EA	930.00	EA	4650.00	S
Supplier name : Talasey Limited Advice note : 0000165643 Date : 10.07.18						

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Fax: 01332295665

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Invoice No.	GTM/398888	Customer Order No.	HOLBEACH	Despatch Date	20 Aug 2018
Invoice Date	20 Aug 2018	Supplier		Page	1 of 1

Product Code	Description	Quantity	Price	Per	Discount	Value	V/C
2040015	Rom Steel Fabric 3600x2000mm 7mm A193M	30.00	24.59	Each		737.70	7
2211404	(Plastic) Rugby 25kg Premium Cement	56.00	10.65	Each	66.67%	198.78	7
	TRANS FROM COD 385714						

Fun 2376

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Sale Type	DEL	Advice No.		Account No.	GTM0116
Invoice No.	GTM/383666	Customer Order No.	PLOT 1-18 FMEXL	Despatch Date	14 May 2018
Ir. e Date	14 May 2018	Supplier		Page	1 of 1

Product Code	Description	Quantity	Price	Per	Discount	Value	V/C
22313180	Marshalls 150x50x914mm Pressed Flat Top Edging	120.00	3.30	Each		396.00	7
2311670	Aco HexDrain Channel with Plastic Grate 1mtr	54.00	7.55	Each		407.70	7

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Sale Type	DEL	Advice No.		Account No.	GTM0116
Invoice No.	GTM/383668	Customer Order No.	PLOT 1-18 FMEXL	Despatch Date	21 May 2018
..ce Date	21 May 2018	Supplier		Page	1 of 1

Product Code	Description	Quantity	Price	Per	Discount	Value	V/C
2220376	Bradstone 450x450x32mm Textured Paving Grey	540.00	9.19	Each	55.54%	2206.37	7

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ce Date	21 May 2018	Supplier		Page	1 of 1

Product Code	Description	Quantity	Price	Per	Discount	Value	V/C
2220376	Bradstone 450x450x32mm Textured Paving Grey	540.00	9.19	Each	55.54%	2206.37	7

Supplied by and Queries to:
190 Holbeach
Boston Road South
Holbeach
Spalding
PE12 7LR
Tel: 01406 422037 Fax: 01406 426099

Pur 2429

SALES INVOICE

JEWSON

Invoice No: 0190/0142893
Account No: INVD014
Invoice Date/ Tax Point: 15/05/2018
Email:
Fax No: 01476 542879

Invoice to:

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CUSTOMERS ORDER No.	DESP NOTE	DESP DATE	METHOD	OUR REF
BMGXL18	0142893	15/05/2018	Collections	17717

ITEM No.	DESCRIPTION	QUANTITY	PRICE	UNIT	VALUE	VAT
LSMSN302	MARSHALLS Saxon Paving Buff ..... 450 x 450 x 35mm	10.00 EA	4.75	EA	47.50	S

Bullimores
SAND GRAVEL & ROAD STONE
PLANT & TOOL HIRE

Pur 2570

SALES INVOICE

BULLIMORES SAND AND GRAVEL LTD
South Witham, Grantham, Lincolnshire
NG33 5QE

Telephone: 01572 767393
Facsimile: 01572 768222

E-mail: enquiries@bullimores.net
Website: www.bullimores.net

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-3 JUL 2018

Invoice to:
INVICTA DEVELOPMENTS LTD
BCS HOUSE
PINFOLD ROAD
BOURNE, LINCS
PE10 9HT

Delivered to:
FLEET ROAD
HOLBEACH X 46
PE12 7BB

Invoice Number 618453
Invoice Date 9/06/18
Customer Account Number 140139
Customer Order Number
Site Code 015

Delivery Date	Delivery Ticket	Your Reference	OS	Prod Code	Product	Quantity	Rate	Unit	Amount
5/06/18	826257		46	71	SHARP SAND	20.04	16.50	Tonne	330.66

Pwr 2579

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BCS HOUSE
PINFOLD ROAD
BOURNE, LINCS
PE10 9HT

Delivered to:

FLEET ROAD
HOLBEACH X 46
PE12 7BB

Invoice Number 618749

Invoice Date 16/06/18

Customer Account Number 140139

Customer Order Number

Site Code 015

Delivery Date	Delivery Ticket	Your Reference	OS	Prod Code	Product	Quantity	Rate	Unit	Amount
11/06/18	819925		46	71	SHARP SAND	19.66	16.50	Tonne	324.39

PUR2764

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PLANT & TOOL HIRE

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NG33 5QE

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INVICTA DEVELOPMENTS LTD
BCS HOUSE
PINFOLD ROAD
BOURNE, LINCS
PE10 9HT

Delivered to:
FLEET ROAD
HOLBEACH X 46
PE12 7BB

Invoice Number 620594
Invoice Date 31/07/18
Customer Account Number 140139
Customer Order Number
Site Code 015

Delivery Date	Delivery Ticket	Your Reference	OS	Prod Code	Product	Quantity	Rate	Unit	Amount
30/07/18	823407		46	71	SHARP SAND	18.98	16.50	Tonne	313.17

PUR 2457

Bullimores
SAND GRAVEL & ROAD STONE
PLANT & TOOL HIRE

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NG33 5QE

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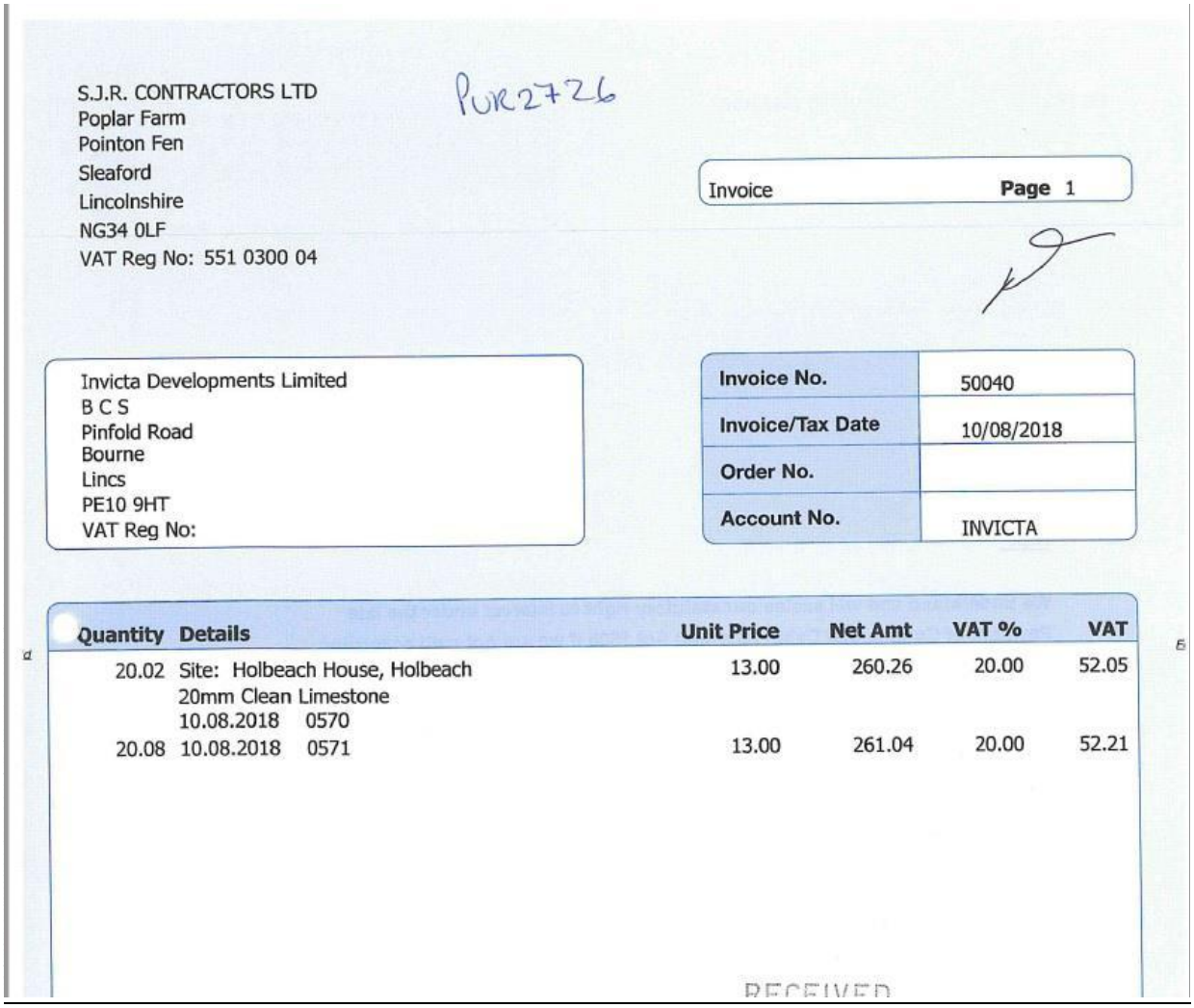
Invoice to:
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BOURNE, LINCS
PE10 9HT

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- 4 JUN 2018

Delivered to:
FLEET ROAD
HOLBEACH X 174
PE12 7BB

Invoice Number 617486
Invoice Date 12/05/18
Customer Account Number 140139
Customer Order Number
Site Code 014

Delivery Date	Delivery Ticket	Your Reference	OS	Prod Code	Product	Quantity	Rate	Unit	Amount
10/05/18	821222		74	309	20MM CLEAN LIMESTONE	19.02	15.00	Tonne	285.30



S.J.R. CONTRACTORS LTD
Poplar Farm
Pointon Fen
Sleaford
Lincolnshire
NG34 0LF
VAT Reg No: 551 0300 04

PUR2726

Invoice Page 1

Invicta Developments Limited
B C S
Pinfold Road
Bourne
Lincs
PE10 9HT
VAT Reg No:

Invoice No.	50040
Invoice/Tax Date	10/08/2018
Order No.	
Account No.	INVICTA

Quantity	Details	Unit Price	Net Amt	VAT %	VAT
20.02	Site: Holbeach House, Holbeach 20mm Clean Limestone 10.08.2018 0570	13.00	260.26	20.00	52.05
20.08	10.08.2018 0571	13.00	261.04	20.00	52.21

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Bullimores
SAND GRAVEL & ROAD STONE
PLANT & TOOL HIRE

SALES INVOICE

BULLIMORES SAND AND GRAVEL LTD
South Witham, Grantham, Lincolnshire
NG33 5QE

Telephone: 01572 767393
Facsimile: 01572 768222

E-mail: enquiries@bullimores.net
Website: www.bullimores.net

Invoice to:
INVICTA DEVELOPMENTS LTD
BCS HOUSE
PINFOLD ROAD
BOURNE, LINCS
PE10 9HT

Invoice Number 620364

Invoice Date 28/07/18

Customer Account Number 140139

Delivered to:
FLEET ROAD
HOLBEACH X 2 & 71
PE12 7BB

Customer Order Number

Site Code 011

Delivery Date	Delivery Ticket	Your Reference	OS	Prod Code	Product	Quantity	Rate	Unit	Amount
23/07/18	823126		6	18	20MM CLEAN STONE	19.42	15.00	Tonne	291.30

Run 2437

Bullimores
SAND GRAVEL & ROAD STONE
PLANT & TOOL HIRE

SALES INVOICE

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NG33 5QE

Telephone: 01572 767393
Facsimile: 01572 768222

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Website: www.bullimores.net

Invoice to:
INVICTA DEVELOPMENTS LTD
BCS HOUSE
PINFOLD ROAD
BOURNE, LINCS
PE10 9HT

Delivered to:
FLEET ROAD
HOLBEACH X 2 & 71
PE12 7BB

Invoice Number 617261
Invoice Date 5/05/18
Customer Account Number 140139
Customer Order Number
Site Code 011

Delivery Date	Delivery Ticket	Your Reference	OS	Prod Code	Product	Quantity	Rate	Unit	Amount
3/05/18	407789	Steve 0786	71	16	50MM CLEAN STONE	19.00	14.00	Tonne	266.00
4/05/18	407812		71	16	50MM CLEAN STONE	19.34	14.00	Tonne	270.76
4/05/18	407822		71	16	50MM CLEAN STONE	19.18	14.00	Tonne	268.52

Run 2451

S.J.R. CONTRACTORS LTD
Poplar Farm
Pointon Fen
Sleaford
Lincolnshire
NG34 0LF
VAT Reg No: 551 0300 04

Invoice **Page** 1

Invicta Developments Limited
B C S
Pinfold Road
Bourne
Lincs
PE10 9HT
VAT Reg No:

46638
31/05/2018
INVICTA

Quantity	Details	Unit Price	Net Amt	VAT %	VAT
20.00	Site: Holbeach 20mm Clean Limestone 24.05.2018 0305	16.50	330.00	20.00	66.00
20.10	25.05.2018 0306	16.50	331.65	20.00	66.33

Pur 2511

Bullimores
SAND GRAVEL & ROAD STONE
PLANT & TOOL HIRE

SALES INVOICE

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NG33 5QE

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Invoice to:
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PINFOLD ROAD
BOURNE, LINCS
PE10 9HT

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Invoice Number 617965

Invoice Date 26/05/18

Customer Account Number 140139

Delivered to:
FLEET ROAD
HOLBEACH X 2 & 71
PE12 7BB

Customer Order Number

Site Code 011

Delivery Date	Delivery Ticket	Your Reference	OS	Prod Code	Product	Quantity	Rate	Unit	Amount
25/05/18	815951		5	18	20MM CLEAN STONE	19.47	15.00	Tonne	292.05

PUR2626

Bullimores
SAND GRAVEL & ROAD STONE
PLANT & TOOL HIRE

SALES INVOICE

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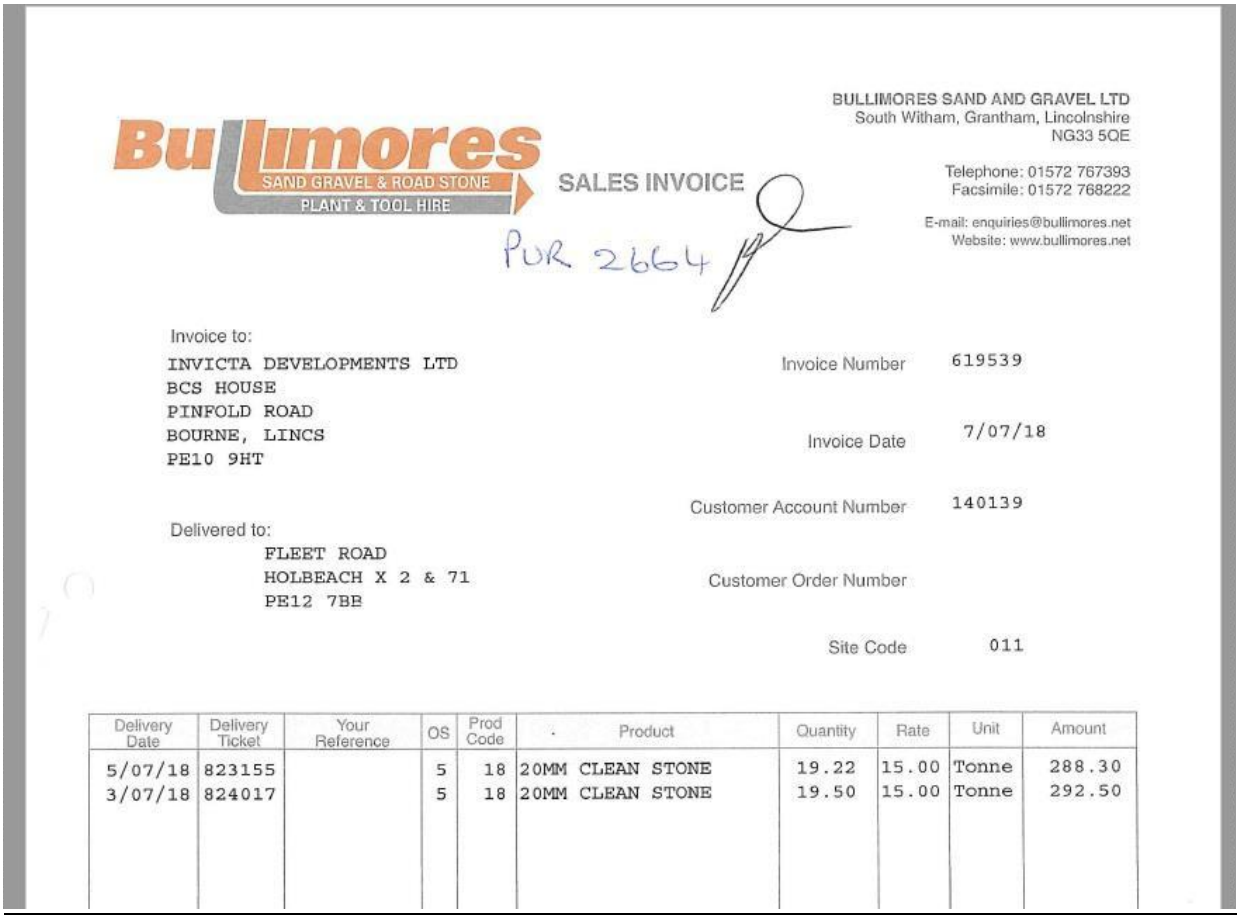
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20 JUL 2018

Invoice to:
INVICTA DEVELOPMENTS LTD
BCS HOUSE
PINFOLD ROAD
BOURNE, LINCS
PE10 9HT

Delivered to:
FLEET ROAD
HOLBEACH X 2 & 71
PE12 7BB

Invoice Number 619234
Invoice Date 30/06/18
Customer Account Number 140139
Customer Order Number
Site Code 011

Delivery Date	Delivery Ticket	Your Reference	OS	Prod Code	Product	Quantity	Rate	Unit	Amount
27/06/18	822877		2	18	20MM CLEAN STONE	20.10	15.00	Tonne	301.50



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NG33 5QE

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Bullimores
SAND GRAVEL & ROAD STONE
PLANT & TOOL HIRE

SALES INVOICE

PUR 2664

Invoice to:
INVICTA DEVELOPMENTS LTD
BCS HOUSE
PINFOLD ROAD
BOURNE, LINCS
PE10 9HT

Invoice Number 619539

Invoice Date 7/07/18

Customer Account Number 140139

Delivered to:
FLEET ROAD
HOLBEACH X 2 & 71
PE12 7BB

Customer Order Number

Site Code 011

Delivery Date	Delivery Ticket	Your Reference	OS	Prod Code	Product	Quantity	Rate	Unit	Amount
5/07/18	823155		5	18	20MM CLEAN STONE	19.22	15.00	Tonne	288.30
3/07/18	824017		5	18	20MM CLEAN STONE	19.50	15.00	Tonne	292.50

Pur 2457

Bullimores
SAND GRAVEL & ROAD STONE
PLANT & TOOL HIRE

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Part 2437

Bullimores
SAND GRAVEL & ROAD STONE
PLANT & TOOL HIRE

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PE10 9HT

Invoice Number 617261

Invoice Date 5/05/18

Customer Account Number 140139

Delivered to:
FLEET ROAD
HOLBEACH X 2 & 71
PE12 7BE

Customer Order Number

Site Code 011

Delivery Date	Delivery Ticket	Your Reference	OS	Prod Code	Product	Quantity	Rate	Unit	Amount
3/05/18	407789	Steve 0786	71	16	50MM CLEAN STONE	19.00	14.00	Tonne	266.00
4/05/18	407812		71	16	50MM CLEAN STONE	19.34	14.00	Tonne	270.76
4/05/18	407822		71	16	50MM CLEAN STONE	19.18	14.00	Tonne	268.52

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25 MAY 2018

Orange No- Dig Layer Specification

FASTRACK Orange

Standard Grade (SG) woven geotextile

Based on our popular 609 geotextile, FASTRACK Orange prevents the intermixing of contaminated and uncontaminated soils and its bright colour also alerts users and future users to the potential danger of further excavation. It is designed and manufactured to conform to the old Department of Transport & Highways specification for road and earthworks separation.

Applications for FASTRACK Orange:

- Highly visible 'Warning layer'
- Separating/Strengthening - layer under access roads and areas of hard standing
- Separation – layers under stone foundations for new buildings
- Separation – layers under new roads, car parks & industrial areas
- Separation – granular fill from sub soils and other fill types

Mechanical properties	Test	Units	FASTRACK Orange
Tensile strength - MD	EN ISO 10319	kN/m	16
Tensile strength - XD	EN ISO 10319	kN/m	11.5
Elongation at break - MD	EN ISO 10319	%	18.5
Elongation at break - XD	EN ISO 10319	%	18.5
CBR puncture resistance	EN ISO 12236	N	1500
Hydraulic properties			
Water flow normal to the plane	EN ISO 11058	$l/m^2/s$	17
Characteristic opening (pore) size	EN ISO 12956	µm	250
Physical properties			
Thickness under 2 kPa	EN ISO 9863-1	mm	0.4
Weight	EN ISO 9864	g/m^2	75
Roll width		cm	450
Roll length		m	100

