

SEL ENVIRONMENTAL LTD

FIRST ISSUE INFORMATION PACK



Sel Environmental
Real Innovation.

**SEL Environmental Ltd
Canal House
Bonsall Street
Blackburn
BB2 4DD**

**T:01254 589987
www.selel.co.uk**



SEL Environmental Ltd
Canal House
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Blackburn
Lancashire
BB2 4DD
T 01254 589987
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Contents

1. Company Details
2. Mission Statement
3. Areas of Expertise
4. Company Structure
5. Certificate of Registration for VAT
6. Company Insurances
7. Company Policies
8. Health and Safety Statistics
9. Quality Assurance BS EN ISO 9001:2000 Certificate
10. SSIP Acclaim Accreditation
11. Constructionline Gold Award
12. Builders Profile Registration
13. Sample Method Statement & Risk Assessments
14. Recent Project List

Registered Office: Canal House, Bonsall Street, Blackburn, Lancashire, BB2 4DD
Co Reg: 03740358 Vat No: 896 2451 85 Web: www.selel.co.uk Email: info@selenvironmental.com
Managing Director: A Shuttleworth Directors: T Murphy, M Lomax, M Gilsenan, L Warwick





SEL Environmental Ltd
Canal House
Bonsall Street
Blackburn
Lancashire
BB2 4DD
T 01254 589987
F 01254 695141

COMPANY DETAILS

Company Registration No: 03740358

V.A.T Registration No:

UTR No:

Bank:

Sort Code:

Account No:

Signed:

M Gilsonan (Director)

Registered Office: Canal House, Bonsall Street, Blackburn, Lancashire, BB2 4DD
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COMPANY DETAILS

Company Registration No: 03740358

V.A.T Registration No:

Bank:

Sort Code:

Account No:

UTR No:

Trade References

Dave Andrews
Andrews Bowen Ltd
Singleton Grange,
Fleetwood Rd,
Preston
FY6 8NE
T: 01995 672103

Bill Eley
Bowmer + Kirkland Limited
High Edge Court,
Heage,
Belper,
DE56 2BW
T: 01773 853131

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Mission Statement

SEL Environmental Ltd provides high quality, value-engineered solutions for storm water management (SUDS) and contaminated land remediation throughout the UK.

We achieve this goal by embracing distribution deals with key suppliers using innovative technologies, and an open-minded approach to developing solutions.

We excel where the works aren't run of the mill and our engineering ability tested to provide a technical solution to overcome challenging site issues.

We maintain close relationships with leading academic institutions and key research bodies to stay ahead of the competition and provide an unrivalled capability offering design, supply and installation package systems.

A.B. Shuttleworth B.Eng (Hons)

Managing Director

August 2018

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Specialists in Sustainable Drainage & Ground Gas Protection

SEL Environmental Ltd is a specialist contractor with over 20 years of experience in sustainable drainage and gas protection. We operate in 6 independent divisions which concentrate on the design, supply and installation of specialist products, services and solutions to the construction industry throughout the UK. SEL can deliver an innovative, well designed solutions. For more in-depth information on our products and services please visit www.selel.co.uk.

Below is a brief summary of our specialisms:



Integrated water management solutions and products for Housing, Office, Retail, Warehousing, Industrial, Leisure and School developments. SEL have developed a reputation to deliver innovative solutions. Most recently we partnered with Thames Water and Atkins to provide the first of its kind, retrofit SuDS in London, to manage run-off and reduce loading on the existing sewer. We can cater for all aspects of SuDS such as effective water management at source, passive irrigation of green infrastructure, at source car park pollution prevention.

For more information please visit: www.selsource.co.uk



Remote integrated water management solution that combines monitoring sensors, remote valve operation technologies and cloud computing. This is a cloud based remote water monitoring and control that operates in real-time. Our cloud water control (CwC) system is extremely accessible and can be incorporated into endless management systems. Currently the CwC technology is applied to optimize water usage and make savings where possible. This technology is particularly useful when incorporating green infrastructure within SuDS design. Using underground passive irrigation technology, it is possible to save up to 80% water usage by minimizing evaporative loss, and remotely managing inlets and outlets using CwC technology.

For more information please visit: www.cloudwatercontrol.com



SEL are very experienced in the management of membrane installations and can provide a valuable liaison between Engineer, Client, Supplier and Groundworker. Working closely with all parties SEL can coordinate all aspects of an installation, ensuring designs have buildability, are correctly quantified and installation is executed to meet expectations. SEL have invaluable experience in the delivery of attenuation tanks, pond liners, podium deck drainage systems, permeable pavement liners and reed beds with quality assured supply and installation of a wide range of membrane types such as PP, HDPE and LLDPE to suit any requirement.

For more information please visit: www.geomembrane-installation.co.uk



SELSports specialise in the complete design, supply and installation of ground level and rooftop sports facilities incorporating cutting edge drainage systems. SELSports take care of all aspects of sports constructions by offering an all in one package solution including the sports surface, drainage, fencing, lighting, netting and bespoke ancillary components. Cutting edge rooftop sports facilities such as MUGAs or running tracks combining water management systems with quality sports surfacing.

For more information please visit: www.selsports.co.uk



SEL offer the reassurance of a single point of contact to all parties involved in the design, supply, installation and validation of a complete gas protection system. All solutions will be CIRIA, NHBC & Building Regulations compliant with supporting calculations and CAD details with particular consideration of system performance, constructability, risk assessment and architectural aesthetics with access to a range of vent outlets developed to satisfy the requirements of Client and Architect.

For more information please visit: www.ground-gas-protection.co.uk



The SEL Virtual Curtain Gas Migration System is a cost-effective solution to intercept, treat and control lateral migrating ground gas. The system has been used on numerous commercial and residential projects throughout the UK where ground gas within or adjacent to the development posed an issue. The system has been successfully installed on many development sites over the last 20 years and is a realistic alternative to a physical gas barrier and gravel vent trench.

For more information please visit: www.virtual-curtain.com

Recent Notable Schemes

London Greenstreets – Retrofit shallow solution below existing roads above road formation partnering with Thames Water and Atkins Global. This project is also known as Counters Creek.

Anfield LFC – Installation of a combined drainage and aeration layer, facilitating the most technologically advanced football pitch in the Premier League.

London 2012 Olympic Games – Temporary structure in Greenwich park, had to be lightweight so not to damage any archeological remains and trees in the ground, but robust enough to operate effectively and provide a perfect running surface for the equestrian arena events.

White Hart Lane THFC – Installation of a lightweight under pitch drainage system to sustain a natural grass pitch whilst being able to be retracted underneath the stands.

Coronation Street – A SuDS solution to overcome high water table, needed to be shallow solution and withstand the heavy trafficking from the studio operations.

Smart street, London – A temporary retrofit permeable drainage and surfacing solution to a pop-up shopping street off Oxford Street

White Collar Factory - A first for London to unveil a rooftop running track so fitness-obsessed employees can exercise at 230ft. SEL are the UK's no.1 provider of rooftop sports facilities such as running tracks, MUGAs and playdecks.

Pinewood Studios – Installation of a virtual curtain gas migration barrier and gas pressure alleviation system to allow the £200M expansion of the studios to ensure James Bond and Star Wars epics continue in the UK.

Innovative Solutions & Quality Assured Installation

Below are the fundamental strengths of SEL

Design Review

The goal of SEL has always been to identify the most cost effective design possible for our customers. Using specialist software we can undertake catchment analysis and offer advice on drainage layouts, the positioning and sizing of attenuation and providing criteria for flow restrictions. This service also has the benefit that pipework and chamber sizes can be reduced.

Value Engineering

SEL believe Value Engineering should be more than simply an exercise to reduce costs. Value, quality, maintenance and life expectancy are key factors we use to determine which solutions will best meet the needs of the project. Our engineers and design team carefully consider all aspects of the project when making value engineering proposals. We thoroughly explain all options in the following areas; Cost reduction: Suggestions of alternatives to specified materials or systems; Value added: A higher quality product that may or may not carry a higher price but will bring added value to the project; Whole life cost analysis: During our review of products and systems, we typically identify options that will allow us to strike the best balance between initial construction cost and long-term operational costs; Ongoing Maintenance: Recommendations of systems and products that can produce long-term savings through reduced maintenance costs

Design & Specification

There are a number of reasons a drainage design or product may be specified; The designer has experience with a particular product; The designer works with the specific manufacturer; A buyer has a preferred list of suppliers; Performance based specifications. When reviewing or proposing a scheme SEL is committed to; Identify a cost effective design; Produce a simpler solution; Optimise procurement; Ensuring products specified are fit for purpose.

Management & Consulting

SEL are very experienced in the management of SuDS installations and can provide a valuable liaison between Engineer, Client, Supplier and Groundworker. Working closely with all parties mentioned SEL can coordinate all aspects of a SuDS installation, ensuring designs have buildability and are correctly quantified (taken-off), realistic budgets are produced, manage deliveries and labour, overcome 'design oversights' that become installation problems. This service can be invaluable on a complex installation such as a podium deck.

Supply & Installation

SEL have a very experienced, fully trained specialist team of site installation engineers, all of who have many years experience installing SuDS systems across the UK in all aspects of construction. They have invaluable experience of all membrane types (PP, LLDPE, HDPE) and most SuDS systems currently being promoted. All works are undertaken with a commitment to CIRIA best practice and under a strict Quality Assurance protocol as part of our ISO9001 accreditation. In support of all our installation works we can provide method statements, risk assessments, technical support and Cad details. All our operatives are CSCS certified.

SEL ENVIRONMENTAL LTD - COMPANY STRUCTURE

Andy Shuttleworth
Managing Director

Tom Murphy
Director

INCOME STREAMS

KIA CEED LD16 AYF
DIRECT SALES
Danny Rawson
Procurement
Fab Workshop
Stock

HOUSING
Kevin Price
Housing
IWM

VERGE
Jack Shuttleworth

Nissan Navara DD09 SEL
IWM
Lee Warwick
Director
IWM
Installations
Housing
Polypipe

SELSPORTS
Ken Hecker
Selsports
Estimator
QS

Nissan Navara BA66 RZX
VIRTUAL CURTAIN
Matt Gilsean
Director
Division Support
H&S, QA, HR

Darren Whiley
(part-time)
IMW

CWC
Ben Shuttleworth
CWC
Equestrian
Filtabund

Jason Gillespie
Trainee CAD
Apprentice
CNC Operator

RAIL
Jack Shuttleworth
Rail
3D's
Business
Development

FABRICATIONS

Chris Sweeney
Admin
Fabricator

DD04 SEL
Anthony Strange
Fab Foreman

TBC
Fabricator

TBC
Dylan Varley
Apprentice
Fabricator

Paul Rawson
Fabricator

TBC
Cameron Russell
Apprentice
Fabricator

Jack Woolridge
CNC Operator
Laser / Router

Andrew Gibb
Stock Controller

Stephen Longbottom
Fabricator
Stock
Yard

INSTALLATIONS

TRANSIT CON DD07 SEL
Andy Bowden
Bury
Installations
Manager

Keith Brown
H&S
QA
Fab Drawings
VC

Bailey McGovern
LBW Support
Trainee Estimator

TRANSIT DD06 SEL
Mick Bradley
Lancaster

TRANSIT DD08 SEL
Mick Lyons
Leeds

TRANSIT DD03 SEL
Karl Brierley
Bury

Renault Traffic
Chris Warmesley
Accrington

Renault Traffic
Sean McGuigan
Garstang

Spencer Campbell
Morecombe

John Hulme
Moston

Michael Dawson
Bury

Scott Morton
Burnley

TBC

FINANCE

Mark Lomax
Finance Director

Phillipa Merriman

Simone Lomax

Emma Curran



SEL ENVIRONMENTAL LTD

VAT Registration Number: 896 2451 85

VAT Certificate

VAT Registration Number: 896 2451 85

VAT registration status: Registered

Business details

Registered name: SEL ENVIRONMENTAL LTD

Trading name: Not provided

Principal Place of Business address line 1: CANAL HOUSE

Principal Place of Business address line 2: BONSALL STREET

Principal Place of Business address line 3: BLACKBURN

Principal Place of Business address line 4: LANCASHIRE

Postcode: BB2 4DD

Email address: ACCOUNTS@SELENVIRONMENTAL.COM

Bank account number: *****0000

Bank sort code: 00 00 00

Type of business: Incorporated company

Trade classification (SIC code): 96090

Business activity description: Other service activities n.e.c.

Important dates

Effective Date of Registration: 13 Nov 2006

Date of certificate: 02 May 2018

VAT return period end date : 31 Jul 2018

Frequency of returns: Quarterly in October, January & April

[Back](#)

[Print](#)

TO WHOM IT MAY CONCERN

Our Ref: JCH

Date: 5th August 2020

Dear Sirs

Our client: SEL Environmental Limited

This letter is to certify that the following insurances are in force for the renewal periods shown plus any renewal periods subsequently agreed. Brief details of the cover provided is set out below:-

Employers Liability Insurance

Insurer: Zurich Insurance Plc
Policy No: PC115018
Cover: The policy provides an indemnity in respect of the insured's legal liability to employees for death of or bodily injury arising out of their employment anywhere in the United Kingdom
Indemnity Limit: £10,000,000 any one occurrence
Renewal Period: 17th August 2020 to 16th August 2021

Public and Products Liability Insurance

Insurer: Zurich Insurance Plc
Policy No: PC115018
Cover: The policy provides an indemnity in respect of the insured's legal liability for death of or bodily injury to third party persons or loss or damage to third party property arising out of the insured's business activities anywhere in the United Kingdom
Indemnity Limit: £5,000,000 any one occurrence
Excess: £500 each and every claim for tangible property
Renewal Period: 17th August 2020 to 16th August 2021

London

54 Clarendon Road, Watford
Hertfordshire WD17 1DU
Tel: 01923 438 008

Head Office

2 Anchorage Court, Caspian Road, Atlantic Street
Broadheath, Altrincham, Cheshire WA14 5HH
Tel: 0161 928 4444 Fax: 0161 928 4555
Email: sales@ukandi.com www.ukandi.com

South Wales

12 Monk Street, Abergavenny
Monmouthshire NP7 5NP
Tel: 01873 859700

Contractors All Risk/Plant Insurance

Insurer: Zurich Insurance Plc
Policy No: PC115018
Cover: All risks of physical loss or damage to the Contract Works, Temporary Works, Materials, Plant, Tools, Equipment and Temporary Buildings owned or on hire anywhere in the United Kingdom
Excess: £1,000 each and every claim
Indemnity Limit(s): Contract Works: £1,000,000 any one loss/contract
Own Plant: £ 90,000 any one loss
Hired Plant: £ 350,000 any one loss
Renewal Period: 17th August 2020 to 16th August 2021

Professional Indemnity Insurance:

Insurer: HCC International
Policy No: PI20Q649708
Cover: The policy provides an indemnity in respect of the insured's legal liability for claims arising out of or in connection with their professional negligence as environmental engineering contractors
Indemnity Limit: £2,000,000 any one claim and in total including defence costs
Excess: £5,000 each and every claim, does not apply to defence costs
Renewal Period: 26th April 2020 to 25th April 2021
Geographical Limit: Worldwide excluding USA/Canada

Extensions Applicable to All the Foregoing Insurances

1. Indemnity to Principals.
2. Contractual Liability.
3. Joint Insured Clause (Contract Works/Plant Policy).

All the insurances detailed in this letter are subject to the terms, conditions, exceptions and limitations of the Insurers policies and any additional information will be provided on request.

Yours faithfully



J C Hiscott
Director

e-mail: jeremy.hiscott@ukandi.com

(Direct Dial: 0161 925 4939)



SEL Environmental Ltd
Canal House
Bonsall Street
Blackburn
Lancashire
BB2 4DD
T 01254 589987
F 01254 695141

Policy Documents

 [SEL Alcohol & Drugs Policy 10.2019.pdf](#)

Size : 101.929 Kb
Type : pdf

 [SEL Anti Bribery Policy.pdf](#)

Size : 67.143 Kb
Type : pdf

 [SEL Anti Tax Evasion Policy.pdf](#)

Size : 420.674 Kb
Type : pdf

 [SEL Environmental Management Policy 09.2019.pdf](#)


Size : 341.275 Kb
Type : pdf

 [SEL Modern Slavery Policy 09.2019.pdf](#)

Size : 856.42 Kb
Type : pdf

 [SEL Recruitment Policy.pdf](#)

Size : 237.431 Kb
Type : pdf

 [SEL Occupational Health Strategy.pdf](#)

Size : 169.607 Kb
Type : pdf

 [SEL Equal Opportunities Policy Statement 10.2019.pdf](#)

Size : 85.198 Kb
Type : pdf

 [SEL GDPR External.pdf](#)

Size : 172.853 Kb
Type : pdf

 [SEL GDPR Internal.pdf](#)

Size : 147.936 Kb
Type : pdf

 [SEL H&S Policy and Procedures 07.2019.pdf](#)

Size : 4944.149 Kb
Type : pdf

 [SEL Training Policy Statement 09.2019.pdf](#)

Size : 154.266 Kb
Type : pdf

 [SEL Training Policy Statement.pdf](#)

Size : 102.939 Kb
Type : pdf

 [SEL Waste Management Policy & Procedures.pdf](#)

Size : 289.168 Kb
Type : pdf

 [SEL Work Safe Policy.pdf](#)

Size : 273.871 Kb
Type : pdf

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Managing Director: A Shuttleworth Directors: T Murphy, M Lomax, M Gilsenan, L Warwick





SEL Environmental Ltd. Health and Safety Statistics

Man Hrs. - 2016 Man Hrs. - 2017 Man Hrs. - 2018 Man Hrs. - 2019 Man Hrs. - 2020

January	3500	3716	3488	3348	4366
February	3828	3716	3944	4368	4215
March	4052	3555	3576	4352	800
April	3604	3456	3672	4114	700
May	3940	3657	3380	4167	700
June	3940	3825	3816	3983	3456
July	3828	3759	3708	4423	3988
August	3940	3658	3906	4451	4215
September	3940	3722	3681	4774	4538
October	3828	3650	3772	4914	3282
November	3940	3750	3691	5032	
December	3380	3240	3166	4674	

Total Man Hrs.	45720	43704	43800	52600	30260
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Employees

Staff	9	15	15	14	14
Employed direct	14	14	14	20	20
Sub contractors	0	0	0	0	0
Total	23	29	29	34	34

RIDDOR Accidents	0	0	0	1	0
RIDDOR Dangerous Occurrences	0	0	0	0	0
First Aid Injuries	6	2	3	2	0
Ill Health incidents	0	0	0	0	0
Near Misses	0	0	0	0	0

Frequency Rate	0	0	0	2	0
Incident Rate	0	0	0	2941	0

Frequency Rate = $\frac{\text{Number of Reportable Accidents}}{\text{Total Hours Worked}} \times 100,000$ No. Injuries per 100,000 hours worked

Incident Rate = $\frac{\text{Number of Reportable Injuries}}{\text{Average number of Employees}} \times 100,000$ No. Injuries per 100,000 workers



Registration Certificate

*This document certifies that the
Quality Management Systems of*

S.E.L ENVIRONMENTAL LTD

*Have been assessed and approved by
CQS (Certified Quality Systems) Limited
to the following Management System Standard*

BS EN ISO 9001 : 2015

*The scope of this certification applies to the
Quality Management Systems relating to the following activities*

**THE PROVISION OF SPECIALIST
ENVIRONMENTAL SOLUTIONS**



Certificate Issued: 20th September 2018

Certificate No: GB2002803

Expiry Date: 19th September 2021

*Should verification of the validity of this certificate
be required please contact:*

*CQS (Certified Quality Systems) Ltd
United Kingdom Head Office: +44(0)1684 571350
email: verification@cqsltd.com*

On behalf of CQS (Certified Quality Systems) Limited

EAC 35

SIC 43120

Certificate of Health & Safety Accreditation

This is to certify that

S E L Environmental Ltd

has achieved Acclaim Accreditation

Contractor with 5 or more employees

signed



Dave Sherwood

Quality Assurance and Contract Manager

Constructionline registration no. 156798

Acclaim assessment no. 80838

Start date 15 November 2019

End date 15 November 2020

This certificate remains the property of Acclaim Accreditation and must be surrendered on demand.

For verification please contact Acclaim Accreditation on 0844 892 0313 (Option 3).

AcclaimAccreditation.co.uk
acclaim@constructionline.co.uk



Constructionline
Gold Member

Certificate of membership

S E L Environmental Ltd

Registration No: **156798**

Expiry Date: **03/07/2021**

This certifies that the firm named above has met pre-qualification requirements appropriate to public and private sector procurement.

John Edmunds
Chief Executive Officer



Certificate of Builder's Profile Premium Membership

The standard in PQQ data Exchange

www.buildersprofile.co.uk

This is to certify that

SEL ENVIRONMENTAL LIMITED

.....

is a Premium Member of the Builder's Profile.

Account Registration Number: 45008	
Membership Commenced 25 February 2020	Membership Expires 22 March 2021



CERTIFICATE OF MEMBERSHIP 2017

This is to certify that

SEL Environmental Ltd

is an

Ancillary Contractor



Eric Page, Chairman



Chris Trickey, Chief Executive

METHOD STATEMENT & RISK ASSESSMENTS



Contract No. 2180687

Job Title: VG Construction Ltd , Perry Road

Site Address: VG Construction Ltd
Perry Road
Dagenham
London
RM9 6QD

Contact: Geoff Goonan – 07810 826244

Location: Surface water attenuation tank

Operation: Specialist hot air welding of Selflex LL Geomembrane.
Installation of surface water attenuation tank.

Start Date: 11th July 2018

Site Supervisor: Darren Fitzsimmons - 07971 139805

Contracts Manager: Andrew Bowden - 07971 139808

H&S Co-ordinator: Keith Brown - 07971 139802

SEL ENVIRONMENTAL LTD

Canal House
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Tel: 01254 589987
www.selel.co.uk

Prepared by:	K Brown	Date:	06/07/2018
Checked by:	L Warwick	Date:	07/07/2018
Issue No.	01		
Revision:	-		

CONTENTS



Method Statement

This task sheet details a safe system of work for the installation of the surface water attenuation tank and hot air welding of geomembranes.

Risk Assessments

Specifically in relation to specialist installation works as described in the method statement provided, all risks have been properly assessed and steps taken to avoid or reduce them so far as is reasonably practicable.

COSHH

Control of Substances Hazardous to Health (COSHH) documentation to prevent or reduce their workers' exposure to substances that are hazardous to their health. COSHH assessments are provided relevant to the works described within.

Acknowledgement Sheet

Acknowledgment sheet to confirm that all relevant persons involved in the installation works as described have read and understood this document prior to commencement of the installation works.

METHOD STATEMENT



Job Title:	VG Construction Ltd , Perry Road
Contract No.	2180687

Location:	Surface water attenuation tank
Operation:	Specialist hot air welding of Selflex LL Geomembrane. Installation of surface water attenuation tank.
Start Date:	11th July 2018

INTRODUCTION

This task sheet details a safe system of work for the installation of the surface water attenuation tank and hot air welding of geomembranes.

Anticipated duration of works: 3 Days

Site Address: VG Construction Ltd
Perry Road
Dagenham
London
RM9 6QD

Contact: Geoff Goonan – 07810 826244

General Requirements:

- 1 All operatives must attend the project specific Site Safety induction.
- 2 Operatives will be briefed on the tasks by the Site Supervisor prior to commencement.
- 3 CSCS/CPCS competency cards should be carried at all times.
- 4 Hot works permit for welding operations.

Environmental:

- 1 All waste, packaging, off-cuts, debris etc. should be collected and segregated at the end of each shift, and removed for re-cycling or disposal.
- 2 Noise should be kept to a minimum.

Pre-Start Activities:

SEL Environmental Ltd

- 1 All operatives must sign task briefing register to acknowledge that they have read and fully understood this Method Statement, risk assessments and COSHH assessments.
- 2 Check that the working area is a safe working environment.

VG Construction Ltd

- 1 Setting out of the works.
- 2 The provision of mechanical handling plant and operator for unloading, manoeuvring materials on site and lowering materials in to base of excavation.

METHOD STATEMENT



Job Title:	VG Construction Ltd , Perry Road
Contract No.	2180687

- 3 All excavations should be fully prepared (shored or stepped, as appropriate) and the base graded evenly, with sufficient unhindered access (minimum 0.5m over dig on all sides of the tank) to allow welding operations.
- 4 Provision of minimum 1 nr competent operative
- 5 Provision of shared welfare facilities.
- 6 Provision of trained first aider.

Sequence of Works and Methodology:

- 1 All excavations, sub-base and blinding preparation by VG Construction Ltd. This will be inspected and SEL QA record sheet no. SELQA002 signed off as acceptance.
- 2 Report any concerns regarding the installation formation immediately to the VG Construction Ltd site representative.
- 3 Confirm position of the attenuation tank within the prepared excavation with VG Construction Ltd site representative.
- 4 Liaise with VG Construction Ltd for lowering 2nr geotextile / geomembrane dispensing rollers in to the base of the excavation.
- 5 Liaise with VG Construction Ltd for the lowering of a roll of SELtex HD protection geotextile on to the dispensing rollers.
- 6 Dispense panels of the SELtex HD protection geotextile to suit the tank base configuration across the formation ensuring a minimum of 150mm laps between adjoining panels.
- 7 The SELtex HD protection geotextile will be cut / trimmed using hand held utility knives. Kevlar type gloves should be worn when cutting and trimming membranes and geotextiles.
- 8 Liaise with VG Construction Ltd for removal of the part roll of SELtex HD protection geotextile off the dispensing rollers and out of the excavation.
- 9 Liaise with VG Construction Ltd for the lowering of a roll of SELflex LL geomembrane on to the dispensing rollers.
- 10 Dispense panels of the SELflex LL geomembrane on to the previously installed SELtex geotextile to suit the tank configuration ensuring a minimum of a 120mm lap between adjoining panels.
- 11 Once the SELflex LL geomembrane is in place it will then cut / trimmed, using hand held utility knives, and wiped clean prior to welding. Kevlar type gloves should be worn when cutting and trimming membranes and geotextiles
- 12 The SELflex LL geomembrane will then be welded to form the base and sides of the tank using a 110v Hot wedge welder.
- 13 Invite the VG Construction Ltd site representative to inspect the testing of the hot air welded joints.
- 14 All wedge welded joints will be tested in compliance with our on-site QA procedures and the test results recorded on SELQA004.
- 15 Liaise with VG Construction Ltd for removal of the part roll of SELflex LL geomembrane off the dispensing rollers and out of the excavation.

METHOD STATEMENT



Job Title:	VG Construction Ltd , Perry Road
Contract No.	2180687

- 16 Liaise with VG Construction Ltd for removal of the dispensing rollers from the base of the excavation.
- 17 Liaise with VG Construction Ltd for lowering the pallets of Polystorm PSM1A attenuation tank units in to the base of the excavation.
- 18 Install the Polystorm PSM1A units to suit the tank configuration.
- 19 The tank units will be secured using purpose made clips and anti-shear pins to give the designed capacity.
- 20 Upon completion of the Polystorm PSM1A attenuation unit installation liaise with VG Construction Ltd for removal of the empty pallets from the base of the excavation.
- 21 The SELflex LL geomembrane will then be dressed up and around the sides of the tank and welded in to place on to the top of the tank and tack welded to the Polystorm attenuation units using a 110v Hot air guns and hand rollers.
- 22 Liaise with VG Construction Ltd for line and level of the drainage connections to the attenuation tank.
- 23 Heat seal the pre-formed spigot pipe adaptors (i.e. inlet, outlet and vent pipes) to the main encapsulation geomembrane using 110v hot air guns and hand rollers.
- 24 Liaise with VG Construction Ltd for lowering the part roll of SELflex LL geomembrane on to the top of the attenuation tank.
- 25 Dispense panels of the SELflex LL geomembrane on to the top of the tank to suit the tank lid configuration ensuring a minimum of a 120mm lap between adjoining panels.
- 26 Once the SELflex LL geomembrane is in place it will then cut / trimmed, using hand held utility knives, and wiped clean prior to welding. Kevlar type gloves should be worn when cutting and trimming membranes and geotextiles
- 27 The SELflex LL geomembrane will then be welded to into position and to the previously installed geomembrane using a 110v Hot wedge welder / 110v hot air gun.
- 28 Liaise with VG Construction Ltd for removal of any part rolls / off cuts of SELflex LL geomembrane out of the excavation.
- 29 Invite the VG Construction Ltd site representative to inspect the completed geomembrane installation.
- 30 All wedge welded joints will be tested in compliance with our on-site QA procedures and the test results recorded on SELQA004
- 31 Liaise with VG Construction Ltd for the lowering of a part roll / panels of SELtex HD protection geotextile on to the previously installed SELflex LL geomembrane on top of the attenuation tank.
- 32 Dispense panels of the SELtex HD protection geotextile to suit the attenuation tank lid and sides configuration ensuring a minimum of 150mm laps between adjoining panels.
- 33 Drape the SELtex protection geotextile down the side of the tank ensuring a minimum of 150mm lap on the previously installed base geotextile.

METHOD STATEMENT



Job Title: VG Construction Ltd , Perry Road
Contract No. 2180687

- 34 The SELtex HD protection geotextile will be cut / trimmed using hand held utility knives. Kevlar type gloves should be worn when cutting and trimming membranes and geotextiles.
- 35 Invite the VG Construction Ltd site representative to inspect the completed geotextile installation.
- 36 Liaise with VG Construction Ltd for removal of any part rolls / off cuts of SELtex protection geotextile out of the excavation.
- 37 The working area will be tidied, and all relevant QA record sheets signed off by both parties.
- 38 Hand over completed works to VG Construction Ltd site representative.
- 39 Back-fill operations will be carried out by VG Construction Ltd.

Plant Requirements: (For welding operations)

- 1 5 KVA Generator
- 2 110v Hot Wedge Welder
- 3 110v Hot Air Gun
- 4 Weld Testing Kit

PPE Requirements:

- 1 Hard Hat
- 2 Hi vis vest
- 3 Gloves
- 4 Kevlar Gloves if needed
- 5 Steel safety boots (steel toe and steel mid sole)
- 6 Glasses (site specific)

Material Requirements:

- 1 0.75mm SELflex LL geomembrane
- 2 SELtex HD protection geotextile
- 3 Pre-formed spigot adaptors
- 4 Polystorm PSM1A attenuation units including clips and anti-shear pins.

COSHH:

- 1 COSHH assessment required for Petrol (Generator Fuel)

Drawings:

- 170017/101 rev 5

Special Requirements:

- 1 Kevlar type gloves should be worn when cutting and trimming membranes.

RISK ASSESSMENTS



Job Title: VG Construction Ltd , Perry Road Contract No. 2180687	Operation: Specialist hot air welding of Selflex LL Geomembrane. Installation of surface water attenuation tank.	Start Date: 11th July 2018
Location: Surface water attenuation tank	Site Supervisor: Darren Fitzsimmons - 07971 139805	

Key to Risk Rating:		Severity (S)				
		1	2	3	4	5
Likelihood (L)	1	1	2	3	4	5
	2	2	4	6	8	10
	3	3	6	9	12	15
	4	4	8	12	16	20
	5	5	10	15	20	25

Likelihood (L)		Severity (S)					
1	Extremely Unlikely	1	No risk of Injury or damage				
2	Remote	2	Minor injury, less than 3 days lost time, minor damage				
3	Possible	3	Injury resulting in 3 days or more lost time, reportable under RIDDOR				
4	Probable	4	Major injury reportable under RIDDOR.				
5	Almost Certain	5	Fatality, major damage and disruption.				
Risk Rating (RR) = Likelihood (L) x Severity (S)							

Item	Activity	Potential Risks / Hazards	Risk Rating			Control Measures	Residual Risk			PPE Requirements	Persons at Risk
			S	L	RR		S	L	RR		
1	Hot air welding of Geomembranes	Burns, electric shock, trip hazards.	3	3	9	Visual inspection of all equipment and cables. All portable electrical equipment to be 110v and subject to planned maintenance and PAT tested. Extension cable routed in such a manner so as not to create trip hazards. Appropriate training in the use of welding equipment. Hot works permit.	3	2	6	Hi- Vis vest, hard hat, appropriate gloves, and safety footwear as a minimum.	All installation personnel.
2	Housekeeping	Slips, trips and falls. Obstructions and cluttered working area, including packaging, offcuts and material debris. General health hazards.	3	4	12	Materials should only be stored in designated area. All surplus packaging, offcuts and debris should be collected, segregated and removed for disposal or recycling on a daily basis. Food and drink should only be consumed in designated canteen area.	3	1	3	Hi- Vis Vest, hard hat, appropriate gloves, and safety footwear as a minimum.	All site operatives. Visitors. Cleaners.
3	Correct use of PPE	Slips, trips and falls. Exposure to noise, dust, fumes etc. Cuts and lacerations.	4	4	16	Safety footwear should be worn at all times. Hearing protection, dust masks and eye protection available for use as appropriate. Upon distribution, all personnel must sign to acknowledge receipt of PPE. Supervisor to instruct on usage and monitor correct use of PPE	4	1	4	-----	All operatives and visitors.
4	Use of Hand Tools	Minor injuries through improper use or badly maintained hand tools, e.g. Hand saws, utility knives, de-burring tools, scrapers etc.	3	4	12	Ensure hand tools are well maintained, if an item becomes damaged or broken, discard and replace with new. Only use the correct tool for the job in hand. Do not leave hand tools scattered around the working area.	3	2	6	Kevlar type gloves when cutting and trimming membranes, in addition to minimum site requirements.	All installation personnel.

RISK ASSESSMENTS



Job Title: VG Construction Ltd , Perry Road Contract No. 2180687	Operation: Specialist hot air welding of Selfflex LL Geomembrane. Installation of surface water attenuation tank.	Start Date: 11th July 2018
Location: Surface water attenuation tank	Site Supervisor: Darren Fitzsimmons - 07971 139805	

Key to Risk Rating:		Severity (S)				
		1	2	3	4	5
Likelihood (L)	1	1	2	3	4	5
	2	2	4	6	8	10
	3	3	6	9	12	15
	4	4	8	12	16	20
	5	5	10	15	20	25

Likelihood (L)		Severity (S)					
1	Extremely Unlikely	1	No risk of Injury or damage				
2	Remote	2	Minor injury, less than 3 days lost time, minor damage				
3	Possible	3	Injury resulting in 3 days or more lost time, reportable under RIDDOR				
4	Probable	4	Major injury reportable under RIDDOR.				
5	Almost Certain	5	Fatality, major damage and disruption.				
Risk Rating (RR) = Likelihood (L) x Severity (S)							

Item	Activity	Potential Risks / Hazards	Risk Rating			Control Measures	Residual Risk			PPE Requirements	Persons at Risk
			S	L	RR		S	L	RR		
5	Use of Portable Electrical Equipment : Wedge welders, drills, hot air guns, extension leads etc.	Burns, electric shocks, trip hazards and flying debris	3	4	12	Visual inspection of all equipment and cables. All portable electrical equipment to be 110v and subject to planned maintenance and PAT tested. Extension cable routed in such a manner so as not to create trip hazards. Appropriate training in the use of welding equipment.	3	2	6	Appropriate gloves, eye protection and safety footwear must be worn.	All operatives involved with welding and fabrication works.
6	Installation of modular attenuation units.	Plant movements when unloading and distributing. Stacks overturning. Units falling into excavations. Manual handling.	4	3	12	Only certified drivers to operate plant. Banksman to accompany telescopic handler driver. Sides of excavation should be shored or stepped / battered. Due care and attention when lowering units into excavation.	4	2	8	Hi- Vis Vest, hard hat, appropriate gloves, and safety footwear as a minimum.	All installation personnel. Plant operators and banksman. Other trades within the vicinity.
7	Manual Handling	Injuries affecting muscles, nerves, ligaments, tendons. Discs, hernias, fractures, abrasions and cuts.	4	4	16	Avoidance of manual handling wherever possible, otherwise personnel to feel comfortable about their ability to handle weight (or bulk) of the load, check route / installation formation conditions, ensure load does not obscure view, twisting, reaching out or up and stooping down should be avoided, awkward loads , journeys and frequent manual handling should be individually assessed.	4	2	8	Long sleeve Hi-vis vest, hard hat appropriate gloves, safety footwear and overalls / work clothing	All operatives involved with / carrying out the installation.

SEL ENVIRONMENTAL COSHH ASSESSMENT

Assessment No: 012 Name of Substance or Material: Gasoline (Unleaded Petrol)
 Supplied By: Shell UK Oil Products Ltd. - 0151 350 4595
 To be used for: Fuel for spark ignition engines.

Solid or Liquid: Solid Liquid Material Safety Data Sheet: Yes No

What is the Health Hazard? A B C D E S None

How much is being used? Small Medium Large

How dusty is the Product? Low Medium High N/A

How Volatile is the Product? Low Medium High

Is the Product a known or suspected Carcinogen? Yes No

Control Approach required: General Ventilation Engineering Control
 Containment Special

Control Measures: Care should be taken when filling items of plant and equipment to avoid contact with skin and spillages.
 No sources of ignition within vicinity.

Will the Product be mixed with other chemicals or Substances? No. (Avoid strong oxidising agents)

Personal Protective Equipment Required: Wear impervious gloves and overalls where regular contact is likely, wear goggles if there is a risk of splashing

Task specific control Guidance Note: None

Special Training Required: No

Safety Recommendations:

Emergency Action Required If:

Spillage	Fire
Beware that vapours can travel considerable distances. Remove all possible sources of ignition. Ventilate area thoroughly. Contaminated clothing may be a fire hazard, soak with water before removing. Absorb liquid with sand, earth or other suitable material.	For small fires use Foam, CO2 or Dry powder. DO NOT USE WATER JET.

Waste Disposal Requirements: Following absorption, sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations. Do not dispose into an interceptor.

Name of Assessor: K.Brown Date of Assessment: July 2017
 Checked By: L. Warwick Review Date: July 2018

SEL Environmental Ltd - Recent Project List



No.	Type	Date	Name	Total Net	Customer Order No	Job Title	Sector
216145	Ord	23/03/2016	Willmott Dixon Construction Ltd	624408.45			
214185	Ord	11/03/2014	Vertase FLI Ltd	538697.14	1583BEL-SC15		
216356	Ord	31/05/2016	Landcare (Redhill) Ltd	414989.25	ALM/10253	REDHILL DESIGN	VC
216318	Ord	06/06/2016	Durkan Ltd	230163.48		Putney Green School	SS
216584	Ord	13/10/2016	S & C Slatter	218655.64			mc
215847	Ord	12/11/2015	Winworth Construction Ltd	208113.19		COMPLETE Marsden Ave	VC
214162	Ord	03/03/2014	Carnell Support Services Ltd	203319.09	SUB12034		
215400	Ord	10/09/2015	Sir Robert McAlpine Ltd	196077.05	348900S		
217421	Ord	08/08/2017	Carillion Construction Ltd	190182.98		PHOENIX COLLEGIATE	VC
2180625	Ord	26/06/2018	WYG, Jake Crompton, T:0161 8723	190000.00	57000	East Lancs Paper Mill	VC
216317	Ord	02/08/2016	McCormick Flat Roofing Limited	174382.27		White Collar Factory	SS
2180003	Ord	10/05/2018	Gallagher Limited	152874.00		Colt Data	MC
212250	Ord	14/11/2012	C J O'Shea & Co Ltd	148131.12	13228/M/54052		
217226	Ord	04/05/2018	HH Smith & Sons Co Ltd	141793.93		Barnet Youth Zone	SS
216813	Ord	21/12/2018	Piperhill Construction Ltd	138189.08		Barking & Dagenham Youth Zone	SS
214144	Ord	24/02/2014	Heyrod Construction Ltd	136138.18			
215370	Ord	21/07/2015	Travis Perkins/Keyline	132669.55	131927089		
217762	Ord	23/11/2017	McLaren Construction Group	124381.99	29666	Bracken House	SS
216312	Ord	27/07/2018	Moda Living (Angel Gardens) Ltd	121565.95	TBC	Angel Gardens	SS
217467	Ord	15/06/2017	Direct Site Supplies Ltd	121264.28	PO000938	Tottenham Permavoid	MC
214042	Ord	03/06/2014	Constructionlines	121034.09	1042086		
217427	Ord	22/05/2019	Armfield Construction Ltd	110512.00	24312	Croydon Youth Zone	SS
213339	Ord	07/11/2013	Modebest Builders Ltd	103833.62	085173 00644		
213369	Ord	02/12/2013	Modebest Builders Ltd	102920.17	086957 00644		
216029	Ord	15/01/2016	Travis Perkins/Keyline	102110.28	121786790		
216319	Ord	27/05/2016	Midgard Ltd	100302.76		Battersea Park	SS
216572	Ord	22/11/2016	FM Conway	98504.00	6200340		
216386	Ord	25/08/2016	HH Smith & Sons Co Ltd	97197.09		Wirral Youth Zone	SS
216326	Ord	20/06/2016	Walker Construction (UK) Ltd	95855.54			
217050	Ord	31/08/2017	Bowmer and Kirkland Limited	88970.79		Project Greengrass Peterboroug	MC
216848	Ord	09/06/2017	Hannafin Contractors Ltd	87071.74			
216320	Ord	12/07/2016	O'Hare and McGovern Ltd	86330.01		Boroughmuir High School	SS
216485	Ord	19/07/2016	Water 8 Solutions Limited	81291.07			
216277	Ord	27/04/2016	Partnering Contractors Ltd	78788.58			
216137	Ord	03/03/2016	Winworth Construction Ltd	78054.47			
214493	Ord	21/08/2014	Charcon Construction Solution	75456.58	3301		
216018	Ord	08/01/2016	Travis Perkins/Keyline	70694.89			
217224	Ord	15/05/2017	W.E Hewitt & Son Ltd	67926.79			
216735	Ord	04/08/2017	Kier Construction - Eastern	66536.98	17992	The Stephen Perse Foundation	SS
2180301	Ord	20/04/2018	W.E Hewitt & Son Ltd	66103.00	12692	Tottenham Pitch	SS
214149	Ord	26/02/2014	Churchgate Construction Ltd	64350.00			
213181	Ord	11/12/2013	Balfour Beatty Civil Engineering Ltr	61879.96	CECT0731 SC10		
215237	Ord	24/04/2015	Andrews Bowen Ltd	60777.28	AB/RHS/4475		
214177	Ord	07/03/2014	RM Carson Groundworks	58090.36	Verbal		
216353	Ord	09/02/2017	Coventry University	57500.00	PD345-LC		
215074	Ord	13/02/2015	HH Smith & Sons Co Ltd	57415.90			
215234	Ord	01/04/2015	Andrews Bowen Ltd	56638.03	AB/BRE/4292		
2180068	Ord	28/06/2018	Andrews Bowen Ltd	54847.95	AB/SWI/3946	Cranmore Farm, Tetbury	CWC
216048	Ord	26/02/2016	Modebest Builders Ltd	54766.20	126079/00940		
214668	Ord	30/10/2014	E McEvilly Contractors Ltd	52461.48	Email Order		
215429	Ord	28/07/2015	TRAVIS PERKINS TRADING CO. LTD	48954.51	914908221		
217046	Ord	28/02/2018	Shuttleworth Environmental Limite	48351.00			
217133	Ord	18/04/2017	The New West End Company	47285.92	B950	Bird Street	SS
2180197	Ord	07/03/2018	W.E Hewitt & Son Ltd	46553.47		LBW	INST
217132	Ord	04/05/2017	Mildren Construction Limited	45554.96	16624/18644		
215099	Ord	12/02/2015	Team Northern Construction Ltd	44072.72			
217774	Ord	05/10/2017	S.E.S. Developments Limited	43164.54	18832 - 1071	KP	INST
2180935	Ord	17/09/2018	Polypipe Civils	42939.50	C268063	Samares Nursery, Jersey	DS
216803	Ord	18/11/2016	Hydro Water Management Solutio	41839.58	18-11-16 JT		
2190206	Ord	13/03/2019	Beech Developments (NW) Ltd	41564.77	53721/SJD	Pinewood	INST
215845	Ord	18/01/2016	3 Counties Hire Ltd	41446.78	EMAIL		
216354	Ord	12/07/2017	HH Smith & Sons Co Ltd	41366.33		Chorley Youth Zone	SS
215571	Ord	09/07/2015	Charcon Construction Solution	40860.48	4303		
215915	Ord	15/12/2015	East Lancs Chamber of Commerce	40000.00			
216274	Ord	05/05/2016	Jones Lang LaSalle Ltd	39369.99	00571683		
2180240	Ord	05/04/2018	Polypipe Civils	38100.52	C262736	Danny	DS
215501	Ord	06/07/2015	Charcon Construction Solution	37800.00	4276		
216660	Ord	29/09/2016	Bayanix Ltd	37768.45			
214195	Ord	24/03/2014	Charcon Construction Solution	37728.29	2800		
216173	Ord	17/03/2016	Hydro Water Management Solutio	37008.72	Stock		
217935	Ord	12/12/2017	Permavoid Technologies (USA) Ltd	37000.00			
214548	Ord	30/09/2014	J Reddington Ltd	36624.48	C370 DL SC 021 SEL		
2190341	Ord	16/04/2019	Lindum Group Ltd	36114.00	016921\217680	Hanbury Ave, Grantham	H

SEL Divisional Websites

SEL Environmental Ltd Tel: 01254 589987 Email: sales@selenvironmental.com

SEL Environmental Ltd is a privately owned specialist contractor with over 20 years of experience in sustainable drainage solutions and gas protection barriers. For clarity we have separated our specialisms into 6 independent divisions which concentrate on the design, supply and installation of specialist products, services and solutions for the construction industry. Click on the links below for more information or give us a call if you have a project you would like to discuss.



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www.geomembrane-installation.co.uk

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www.cloudwatercontrol.com

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www.ground-gas-protection.co.uk

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www.virtual-curtain.com

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Turnkey Solutions

SEL can provide complete offer design, supply and installation packages, install only or supply only, to suit your requirements. We can provide technical advice over the phone or full design support. We offer a free design review service and have an extensive library of technical information, specifications and DWG CAD details we can provide for your assistance.

END OF DOCUMENT