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1. Take note of the location of the drainage and drainage drainage.
2. Check the drainage layout against the site plan and the drainage layout.
3. Check the drainage layout against the site plan and the drainage layout.
4. Check the drainage layout against the site plan and the drainage layout.
5. Check the drainage layout against the site plan and the drainage layout.
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9. Check the drainage layout against the site plan and the drainage layout.
10. Check the drainage layout against the site plan and the drainage layout.

Key

Building

Existing: Building Footprint, Foundation, Wall, Column, Beam, Slab, Staircase, Lift, etc.
 Proposed: Building Footprint, Foundation, Wall, Column, Beam, Slab, Staircase, Lift, etc.

Drainage

Proposed: Drainage Line, Drainage Manhole, Drainage Chamber, Drainage Pump, etc.

Other

Proposed: Site Boundary, etc.

FOR APPROVAL

| | |
|------|-----------------------------|
| DATE | 10/07/2021 |
| BY | ALAN BAXTER PARTNERSHIP LLP |

ALAN BAXTER PARTNERSHIP LLP
 CONSULTING STRUCTURAL ENGINEERS
 100, CHICHESTER ROAD
 CHICHESTER, WEST SUSSEX, PO19 1JG
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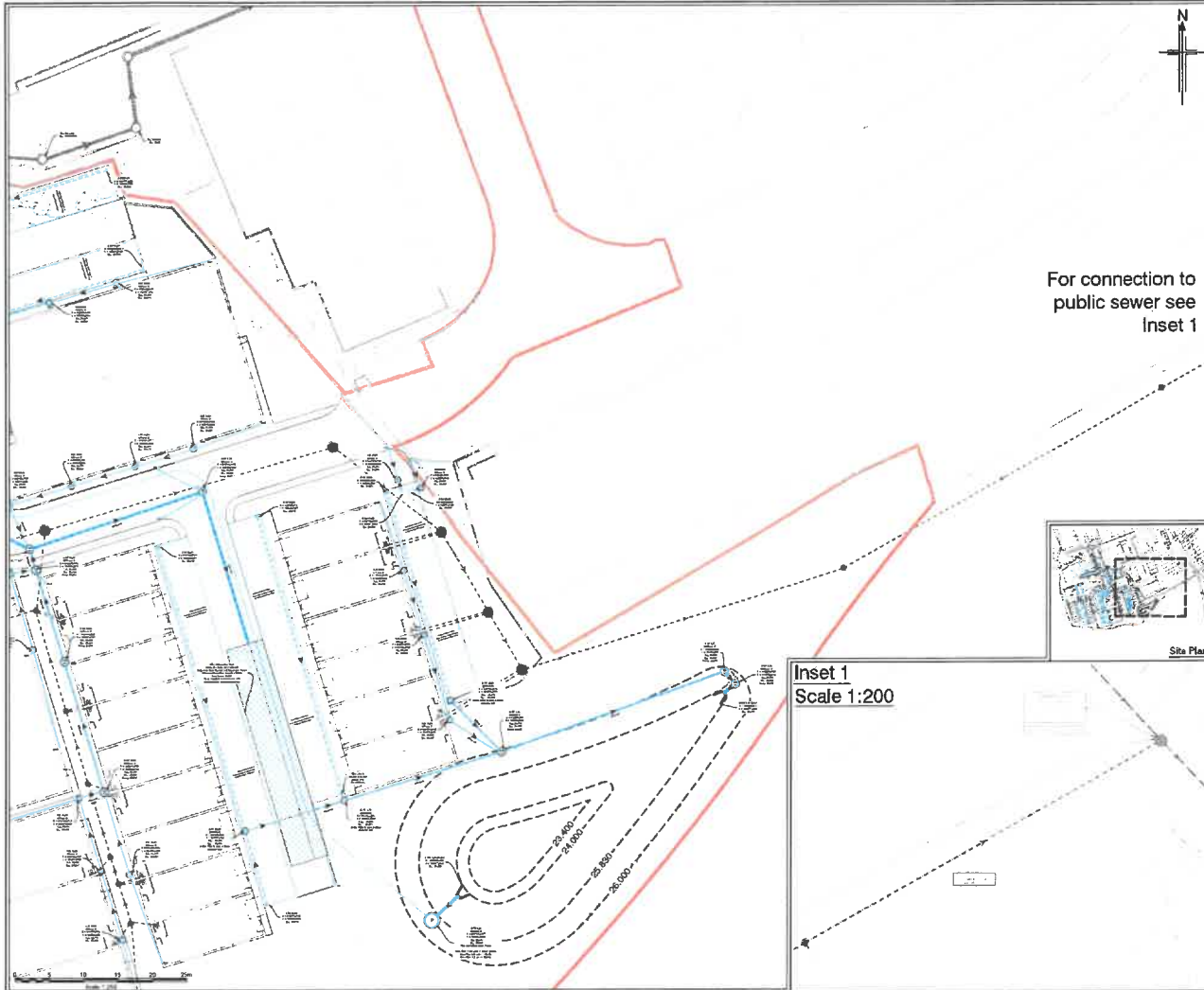
Project Title:
**Joseph Wilson Ind. Est. Expansion
 Milrood Road
 CT5 3PS**

Drawing Title:
**Below Ground Drainage
 Surface Water
 General Arrangement
 Sheet 2 of 3**

Scale: 1:250 @A1 not used both drawings

Drawing Number: W1114-0500-002 Rev: 0

Site Plan



For connection to public sewer see Inset 1

Inset 1
Scale 1:200



Notes

1. To be used in conjunction with all standards and engineering drawings.

2. All drainage systems shall be constructed in accordance with the standards of the Institution of Civil Engineers (ICE) and the Institution of Mechanical Engineers (IMECH) and shall be designed to meet the requirements of the relevant codes of practice.

3. All drainage systems shall be designed to meet the requirements of the relevant codes of practice and shall be designed to meet the requirements of the relevant codes of practice.

4. All drainage systems shall be designed to meet the requirements of the relevant codes of practice and shall be designed to meet the requirements of the relevant codes of practice.

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9. All drainage systems shall be designed to meet the requirements of the relevant codes of practice and shall be designed to meet the requirements of the relevant codes of practice.

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11. All drainage systems shall be designed to meet the requirements of the relevant codes of practice and shall be designed to meet the requirements of the relevant codes of practice.

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15. All drainage systems shall be designed to meet the requirements of the relevant codes of practice and shall be designed to meet the requirements of the relevant codes of practice.

16. All drainage systems shall be designed to meet the requirements of the relevant codes of practice and shall be designed to meet the requirements of the relevant codes of practice.

17. All drainage systems shall be designed to meet the requirements of the relevant codes of practice and shall be designed to meet the requirements of the relevant codes of practice.

18. All drainage systems shall be designed to meet the requirements of the relevant codes of practice and shall be designed to meet the requirements of the relevant codes of practice.

19. All drainage systems shall be designed to meet the requirements of the relevant codes of practice and shall be designed to meet the requirements of the relevant codes of practice.

20. All drainage systems shall be designed to meet the requirements of the relevant codes of practice and shall be designed to meet the requirements of the relevant codes of practice.

Key

Proposed: Proposed Sewer, Proposed Storm Drain, Proposed Surface Water Drain, Proposed Catchpit, Proposed Manhole, Proposed Chamber, Proposed Valve, Proposed Pump, Proposed Inlet, Proposed Outlet, Proposed Valve, Proposed Manhole, Proposed Chamber, Proposed Valve, Proposed Pump, Proposed Inlet, Proposed Outlet.

FOR APPROVAL

Site Plan

Inset 1

Scale 1:200

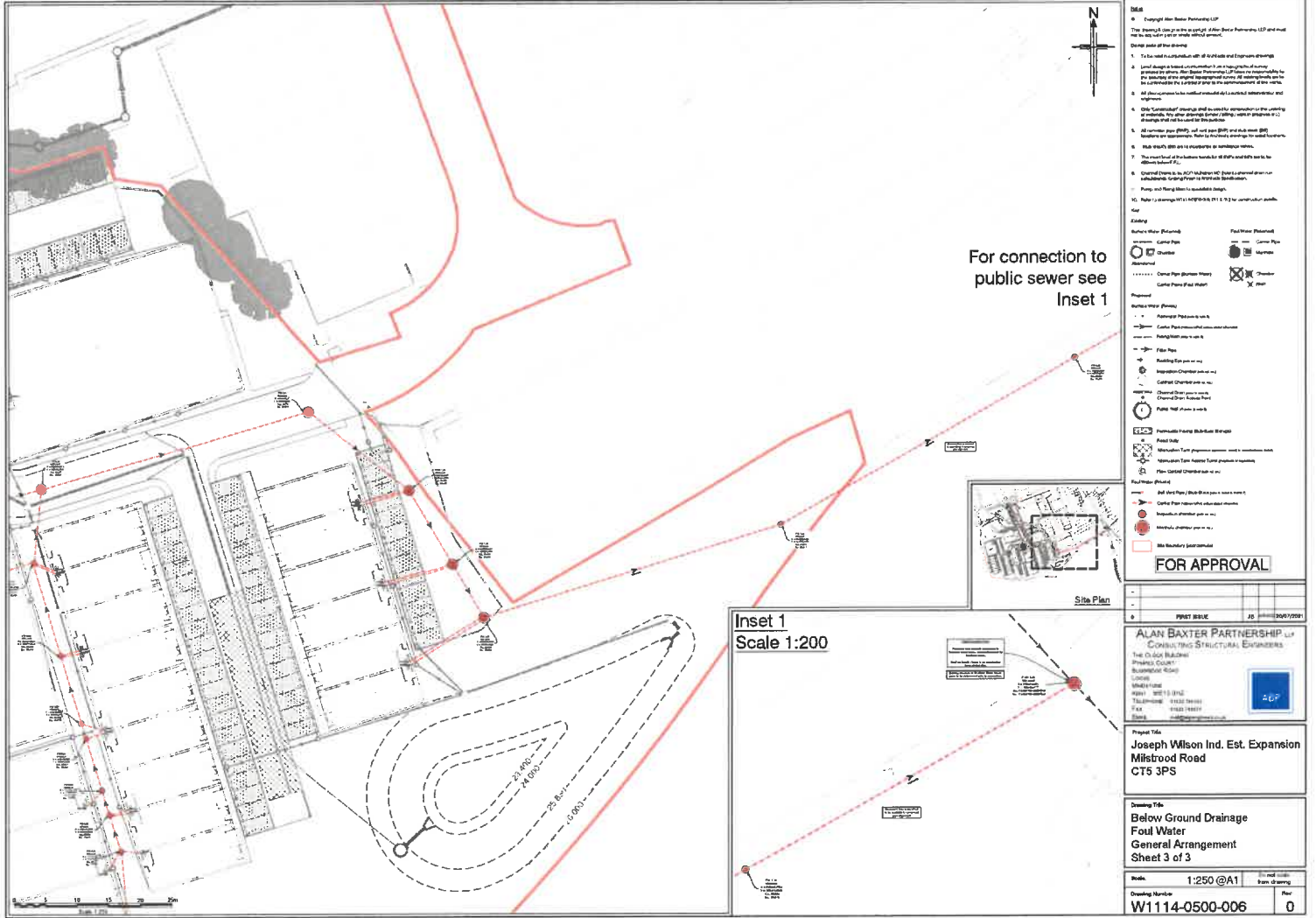
Project Title
Joseph Wilson Ind. Est. Expansion
Mistwood Road
CT5 3PS

Drawing Title
Below Ground Drainage
Surface Water
General Arrangement
Sheet 3 of 3

Scale
1:250 @A1

Drawing Number
W1114-0500-003

Sheet
0



For connection to
public sewer see
Inset 1



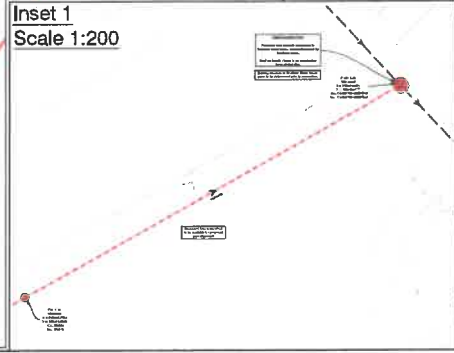
- Notes**
1. To be used in conjunction with all other sheets and drawings.
 2. All dimensions to be as shown unless otherwise stated.
 3. All dimensions to be in millimeters unless otherwise stated.
 4. All dimensions to be in meters unless otherwise stated.
 5. All dimensions to be in feet and inches unless otherwise stated.
 6. All dimensions to be in feet unless otherwise stated.
 7. All dimensions to be in feet and inches unless otherwise stated.
 8. All dimensions to be in feet and inches unless otherwise stated.
 9. All dimensions to be in feet and inches unless otherwise stated.
 10. All dimensions to be in feet and inches unless otherwise stated.

For connection to public sewer see Inset 1

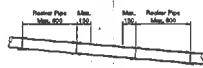
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Site Plan

Inset 1
Scale 1:200



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|---|----------------|---------------------------|
| FIRST ISSUE | | DATE: 20/01/2021 |
| ALAN BAXTER PARTNERSHIP CONSULTING STRUCTURAL ENGINEERS THE CLACK BUILDING PRINCIPAL COURT BUCKINGHAM ROAD LONDON W9 1UH Telephone: 0181 903 2000 Fax: 0181 903 2001 Email: albx@albx.com | | |
| Project Title Joseph Wilson Ind. Est. Expansion Misbroad Road CT5 3PS | | |
| Drawing Title Below Ground Drainage Foul Water General Arrangement Sheet 3 of 3 | | |
| Scale: | 1:250 @A1 | Sheet Code: Foul Water |
| Drawing Number: | W1114-0500-006 | Rev: 0 |



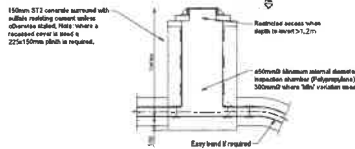
Pipes Penetrating Walls (Rocker Pipes)
 (Scale 1:20)

Short length of pipe bedded in well joints formed within 150mm of either wall face. Adjacent rocker pipes of maximum length 800mm with bedded joints.

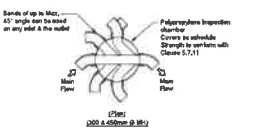


Pipes Penetrating Walls (Lintel Opening)
 (Scale 1:20)

Arch or steel opening to give a minimum of 50mm space all around the pipe. Mass opening built with pipe above material to prevent entry of air from voids. Fill void with pre-compressed sealant to prevent entry of gas.

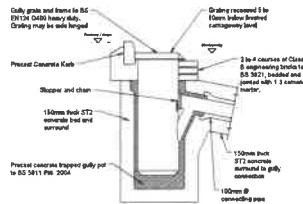


Typical PPIC Inspection Chamber
 (Scale 1:20)



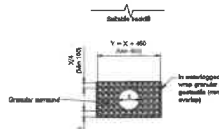
Typical PPIC Inspection Chamber
 (Scale 1:20)

- Notes:
1. Covers complying with BS EN 124 and BS 7473
 - 1.1. Highway - 2500 Loading
 - 1.2. Driveways, footpaths and landscaped areas - 1125 Loading
 - 1.3. Gardens - A15 Loading



Precast Concrete Trapped Gully
 (Scale 1:20)

- Notes:
1. Gully frame to be set on 100mm-thick Class 1 cement mortar bed, to Clause 2.4.4.
 2. Beddown - set to four courses of Class B engineering bricks on bed course, stagger in profile ten square to enable to be stopped at Class 1 mortar.
 3. The grating and frame shall be set four below the carriageway surface and flush with the kerb face, any gap to be filled with class 1 mortar.
 4. Gully grates to be class D400 angle plates, non-slip, depth set with a clear recessing area of 1.20m².



Type S Bedding (Granular Bedding)
 (Scale 1:20)

Provision for pipe bed where the depth to void of pipe > 1.2m (Scale 1:20)

The 'Subsidence' fill shall be suitable for the location and shall be carefully compacted to provide a stable fill without damaging the pipe. Fill under car parking areas, shared drives and private roads shall be well compacted graded granular material. Fill under accessible roads may need to be Type 1 granular sub-base material.

| Granular bedding and voids material to be: | Graded fill permitted: |
|--|--------------------------|
| 100 to 150 dia. - 15 single size stone | (or 20 to 5 grad.) |
| 225 to 300 dia. - 10 or 20 single size stone | (or 20 to 5 grad.) |
| 375 to 450 dia. - 20 single size stone | (or 20 to 5 grad.) |
| 600 dia. - 20 or 50 single size stone | (or 20 or 40 to 5 grad.) |

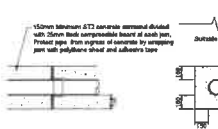


Filter Pipe within Permeable Paving
 (Scale 1:20)

Refer Also to Complementary Construction Type 2



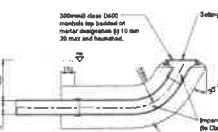
Typical Channel Drain
 (Scale 1:20)



Type Z Bedding (Concrete Encased Pipes)
 (Scale 1:20)

Provision for pipe bed at shallow depths - depth to void of pipe < 1.2m (Scale 1:20)

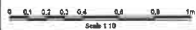
The 'Subsidence' fill shall be suitable for the location and shall be carefully compacted to provide a stable fill without damaging the pipe. Fill under car parking areas, shared drives and private roads shall be well compacted graded granular material. Fill under accessible roads may need to be Type 1 granular sub-base material.



Rodding Eye (Shallow)
 (Scale 1:20)

Notes:

1. Gully frame to be set on 100mm-thick Class 1 cement mortar bed, to Clause 2.4.4.
2. Beddown - set to four courses of Class B engineering bricks on bed course, stagger in profile ten square to enable to be stopped at Class 1 mortar.
3. The grating and frame shall be set four below the carriageway surface and flush with the kerb face, any gap to be filled with class 1 mortar.
4. Gully grates to be class D400 angle plates, non-slip, depth set with a clear recessing area of 1.20m².



Notes

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3. All dimensions to be verified immediately by relevant contractors and engineers.
4. Only 'Contractor's' drawings shall be used for construction or the making of materials. Any other drawings (order / follow-up) work to engineer's drawings shall not be used for the purpose.
5. C.I.B.C. notes of formation level are to be verified / confirmed on site during construction. Red circulation (signage, separation) measures shall be in place at formation level, subject to C.I.B.C. list notes.
6. Any finished surface levels to be measured and recorded with adequate frequency as required.
7. Where the proposed finished levels are shown the existing existing material / materials shall be to be used, supported to support the finished level. 150mm of natural material from a site of sufficient quality than material will need to be imported.

FOR APPROVAL

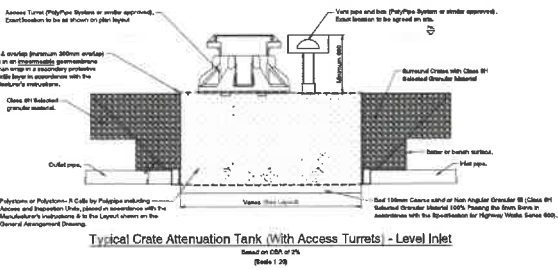
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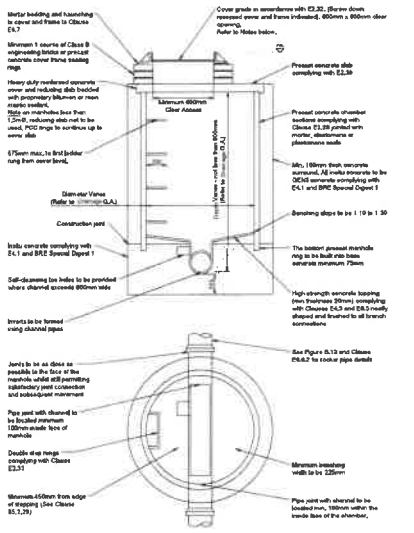
Project Title
**Joseph Wilson Ind. Est. Expansion
 Millbrook Road
 CT5 3PS**

Drawing Title
**Below Ground Drainage
 Construction Details
 (1 of 3)**

| | | |
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| Scale | AS SHOWN @ A1 | Do not scale from drawing |
| Drawing Number | W1114-0500-010 | Rev |
| | | 0 |



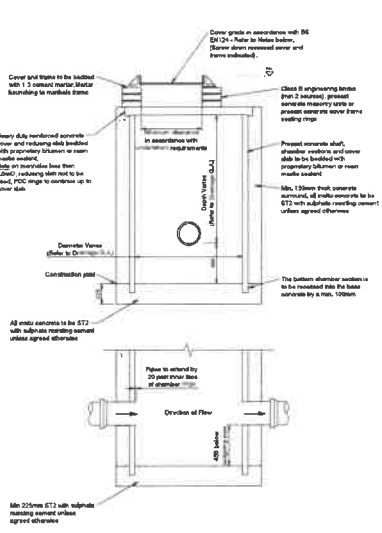
Typical Crate Attenuation Tank (With Access Turrets) - Level Inlet
Based on C&A of 24
Scale 1:20



Precast Concrete Manhole - Design and Construction Guidance

Precast Concrete Round
Chamber 6 to Class 0E.2.12
1.2m to 2.0m deep
(Cover chambers are to be individually designed)
Scale 1:20

- Notes**
- Covers complying with BS EN 124 and BS 7999
 - Highways - D40 Loading
 - Drainage, Sewer and Landfill areas S128 Loading
 - Drainage - A15 Loading
 - All bed structures are to have a lean concrete surround
 - Precast concrete manhole units shall comply with the relevant provisions of BS EN 1917 and BS 5811-3 and shall be manufactured from concrete with a Design Class CC-4.
 - All details to be in accordance with Design and Construction Guidelines for full and surface water sewers referred to adjacent



Precast Concrete Catchpit - 450mm Sump

Chambers between 1000mm and 1800mm Ø
Up to 3.0m deep
(Cover chambers are to be individually designed)
Scale 1:20

- Notes**
- Covers complying with BS EN 124 and BS 7999 (D40 Loading)
 - Precast concrete manhole units shall comply with the relevant provisions of BS EN 1917 and BS 5811-3 and shall be manufactured from concrete with a Design Class CC-4.
 - All bed structures are to have a lean concrete surround

Notes

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- Level heights in limited circumstances may be determined from a topographical survey generated by others. Alan Baxter Partnership LLP takes no responsibility for the accuracy of its original topographical survey. All working levels are to be confirmed by the contractor prior to the commencement of the works.
- All dimensions to be verified immediately to works and immediately to engineer.
- Only Contractor's drawings shall be used for construction or the working of materials. Any other drawings (including I/B's) / work in progress etc.) drawings shall not be used for the job.
- C&A, values at chamber level are to be verified / established on site during construction, but installation (depths, separation) remains the responsibility of the contractor. Adjust to C&A, best results.
- Any finished soil areas are to be reinstated and bedded with suitable aggregate if required.
- Where the proposed finished levels are above the existing, existing ground (Levels B) to be used, completed to levels no higher than 150mm. If material excavated from site is not of a sufficient quality then material will need to be imported.

FOR APPROVAL

| | |
|------------|--------|
| PROJECT NO | JOB NO |
| DATE | DATE |

ALAN BAXTER PARTNERSHIP LLP
CONSULTING STRUCTURAL ENGINEERS

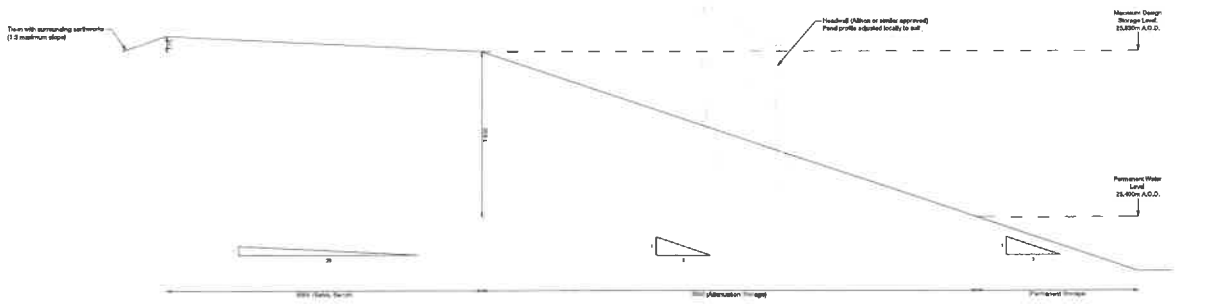
THE COVER BUILD
Fleming Court
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LU1 3JH
Tel: 01525 521111
Fax: 01525 521110
Email: info@alanbaxter.co.uk

Project Title
Joseph Wilson Ind. Est. Expansion
Milestead Road
CT5 3PS

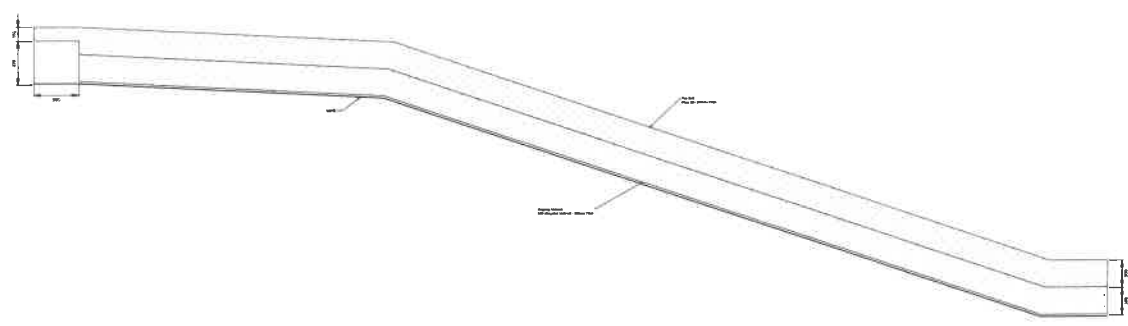
Drawing Title
Below Ground Drainage
Construction Details
(2 of 3)

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| Issue | AS SHOWN @A1 | Do not scale from drawing |
| Drawing Number | W1114-0500-011 | No |



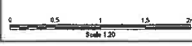


Attenuation Pond 1 Side Profile
(Scale 1:20)



Attenuation Pond Section
(Scale 1:20)

- Notes
1. Pond Plan approximate dimensions (including Safety Cowl) are 15m x 7.5m.
 2. Permanent Water Parameter 20m.
 3. Permanent Water Volume 82m³.
 4. Surface Water Storage Volume 721m³.
 5. Maximum discharge rate from pond 1.8 l/s.



- Notes
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 2. Do not exceed a maximum width of 10m and Engineers Approval.
 3. Level design is based on information from a topographical survey provided by Alan Baxter Partnership LLP and is not responsible for the accuracy of the original topographical survey. All existing levels are to be confirmed by the contractor prior to the commencement of the works.
 4. All dimensions to be confirmed immediately to architect, structural and engineers.
 5. Only Construction drawings shall be used for construction or the ordering of materials. Any other drawings (including / work in progress etc.) drawings shall not be used for the purposes.
 6. Existing profile based on the requirements of CBR Report CT5 Part D, Figure 25.5 A 22A.
 7. 1.5MPa Linear Specification
Thickness 150mm
Tensile strength (BS 5752 P3) Minimum 130N/mm²
Flexure Resistance (ASTM D 781) 200kg/m
Tensile strength 4.2N/mm²
 8. The base shall have an appropriate partial factor for the installation and construction design, determined by the particle size distribution of the underlying Class F2 layer, the composition of the underlying drainage fill and the sheet piling to be used for disposal and support the protection layer. The design shall be based on full scale tests carried out by someone with BS 5900 Part 2 Annex C and authorized by an independent Approval Authority, if required by the Project Manager. The Contractor shall provide supporting documentary evidence of testing for this and any other partial factors assumed in the design.
 9. The waterproof membrane shall be used in all domestic naturally based in soils and shall have no joints at ambient temperature. It shall not be susceptible to tearing, shall be resistant to aqueous solutions of acids, alkalis and salts, shall be non-combustible.
 10. The waterproofing shall be provided so as to provide and adhere to all in large orders so as to reduce any leakage.
 11. Membranes shall be sealed by suitable equipment and tested approved. All site work including walling shall be carried out to an approved standard such as BS60921 or equivalent.
 12. The Contractor shall limit all site cars, when carrying out operations in the vicinity of the protection membranes, to prevent damage to the membrane, should a test occur within the membrane, all site in general (except the Contractor shall allow repairs to the sheet in which it occurs, or seal the leak in full by patching, joints of membrane or structural treatment and properties to the damaged sheet, attending a maximum of 150mm beyond the leak or hole.

FOR APPROVAL

| | | | |
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| DATE | PROJECT | JOB | NO. |
| | W1114-0500 | AS SHOWN | 012 |

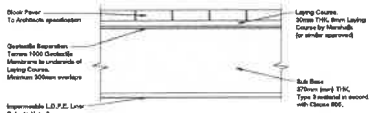
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Project Title
**Joseph Wilson Ind. Est. Expansion
Milstrood Road
CT5 3PS**

Drawing Title
**Below Ground Drainage
Construction Details
(3 of 3)**

| | | |
|----------------|----------------|----------------------------|
| Scale | AS SHOWN @A1 | Do not scale from drawings |
| Drawing Number | W1114-0500-012 | Rev |
| | | 0 |



Carriageway - Permeable
Block Paving (Full Depth) (C.B.R. 10-15)
Total Construction Depth = 460mm (incl)



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 - All discrepancies to be notified immediately to nearest authorities and engineers.
 - Only Contractor drawings shall be used for construction or the working of materials. Any other drawings (number / title / work in progress etc.) drawings shall not be used for the purposes.
 - C.P.C. values are to be verified on site prior to construction.
 1. D.P.F. Layer Specification & Installation
 Thickness 1.5mm
 Tensile strength (5.2 T10) 100N/250mm
 Tensile Resistance (ASTM D 711) 2000N
 Minimum permeability <math> < 0.01 < /math> mDarcy
 - The D.P.F. Layer shall have an appropriate partial factor for site installation and construction drawings. Allowance for the periodic site distribution of the working Type 3 Sub base. The preparation of the underlying bedding 0/8 and the final sub base shall be as noted and approved the production level. The factor shall be based on full scale test carried out in accordance with BS 5911:1999, 2.1 and submitted to an independent Approved Authority, if required by the Project Manager. The Contractor shall provide appropriate documented evidence of testing for this and any other partial factors required for the design.
 - The waterproof measures shall be used to all permeable materials used in soils and shall have no tolerance or tolerance temperature. It shall not be susceptible to hydrolysis shall be resistant to leaching, alkalis or acids and shall be able to withstand high pH.
 - The permeability shall be verified to be as to provide and delivered in site in large tubes to be used in the works.
 - Materials should be used by reliable experienced and trained personnel. All site work including testing shall be carried out by an approved standard level in ISO9001 or equivalent.
 - The Contractor shall take all due care when carrying out operations in the vicinity of the production materials. To prevent damage to the materials. Should a leak occur within the materials, it shall be stopped immediately. The Contractor shall report the leak in which it occurs, or call the hot line to take by phoning a person of maintenance or identified individual and prepare for the damaged prior to sending a minimum of 15 litres beyond the hot line.
 - The L.O.P.F. Layer is to be installed in the vicinity of the Type 3 Sub base and lying over it. The bottom and the sides of the excavation up to the underside of the bedding.

FOR APPROVAL

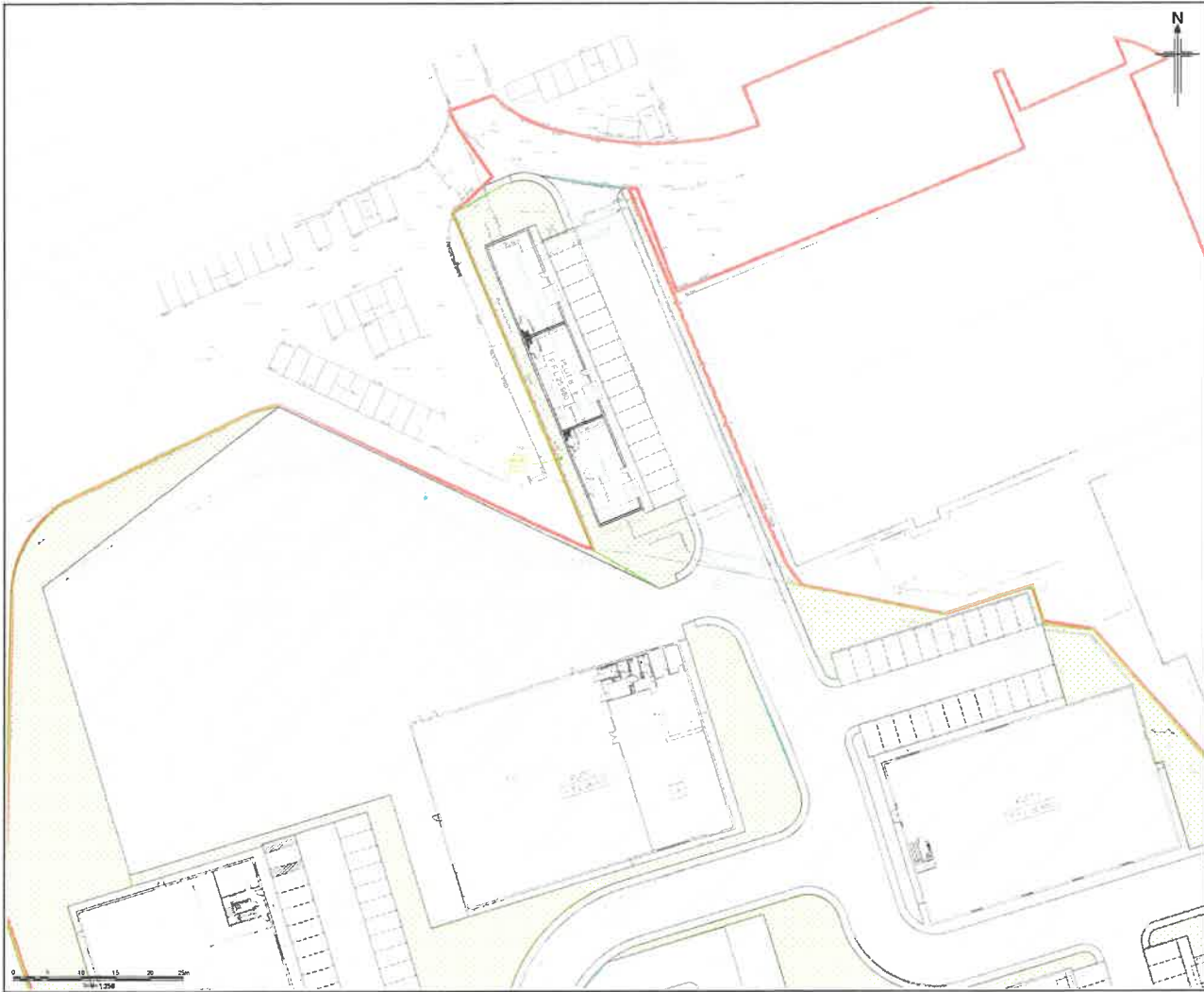
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| NO. | DATE | BY | REVISION |
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ALAN BAXTER PARTNERSHIP LLP
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Project Title
Joseph Wilson Ind. Est. Expansion
Milstrood Road
CT5 3PS

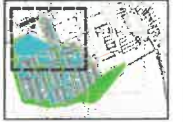
Drawing Title
Road Pavements
Construction Details

Scale **AS SHOWN @ A1** Do not scale from drawing
Drawing Number **W1114-0700-005** Rev **0**



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- All dimensions to be noted on site at the time of construction and approval.
- Site boundaries, drainage and the details of construction are the responsibility of the client. Alan Baxter Partnership LLP is not responsible for the design and construction of any work done on the site by the client or its employees at the time.



Site Plan

FOR APPROVAL

| | | | |
|---|------------|----|-----------------|
| 0 | PRINT DATE | 25 | DATE 2007/09/01 |
|---|------------|----|-----------------|

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Project Title
 Joseph Wilson Ind. Est. Expansion
 Milstrod Road
 CT5 3PS

Drawing Title
 Proposed Catchments
 Sheet 1 of 3

Scale: 1:250 @A1
 Drawing Number: W1114-SK-011
 Rev: 0



- Notes**
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 2. Site has been in consultation with all relevant authorities.
 3. Landscaping, drainage and other details are not shown on this drawing. Responsibility for these details shall be the responsibility of the appropriate authority. All existing trees are to be retained unless otherwise stated.
 4. All dimensions are in metres unless otherwise stated.
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Site Plan

FOR APPROVAL

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 CONSULTING STRUCTURAL ENGINEERS

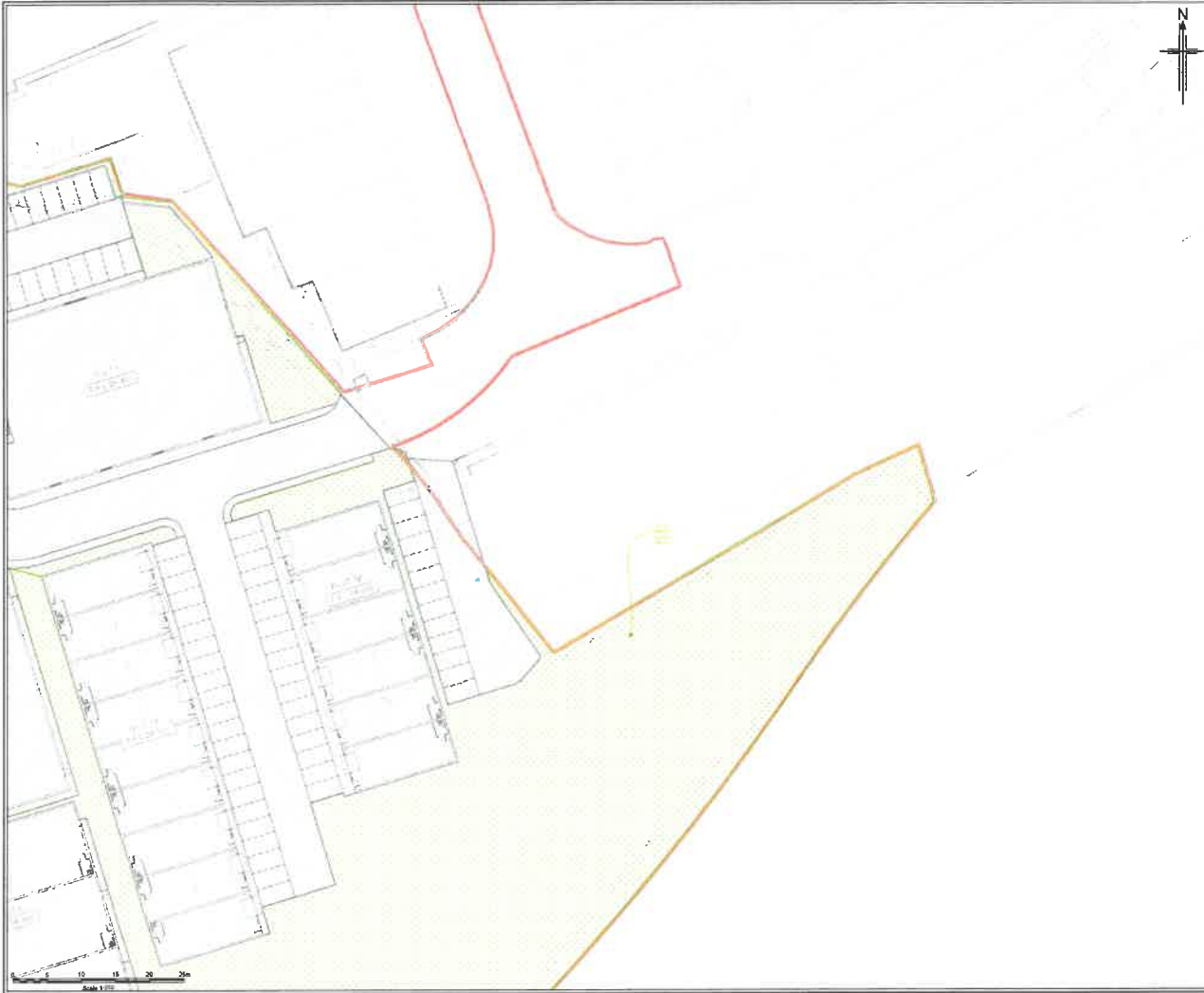
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Project Title
 Joseph Wilson Ind. Est. Expansion
 Milstroad Road
 CT5 3PS
 (Option B)

Drawing Title
 Proposed Catchments
 Sheet 2 of 3

| | | | | |
|----------------|--------------|------------------------------|-----|--|
| Scale | 1:250 @A1 | Do not scale from drawing | Rev | |
| Drawing Number | W1114-SK-012 | | 0 | |



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Site Plan

FOR APPROVAL

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|----------|-------------|----|-------------|
| DATE | ISSUE | BY | NO. |
| 08/11/11 | FIRST ISSUE | LD | 001/001/001 |

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 609-951-1007
 609-951-1008
 609-951-1009
 609-951-1010

Project Title:
 Joseph Wilson Ind. Est. Expansion
 Mistwood Road
 CT5 3PS

Drawing Title:
 Proposed Catchments
 Sheet 3 of 3

| | | | |
|----------------|--------------|--------------|---|
| Scale | 1:250 @A1 | Sheet Number | 0 |
| Drawing Number | W1114-SK-013 | Rev | 0 |

Appendix C. Drainage Strategy Summary



| 1. Site details | |
|-----------------------------|--|
| Site/development name | JOSEPH WILSON INDUSTRIAL ESTATE |
| Address including post code | MILSWOOD ROAD CT5 3PS |
| Grid reference | E612105 N 165044 |
| LPA reference | CA118/02408 |
| Type of application | Outline <input type="checkbox"/> Full <input type="checkbox"/> Discharge of Conditions <input checked="" type="checkbox"/> Other <input type="checkbox"/> |
| Site condition | Greenfield <input type="checkbox"/> Brownfield <input checked="" type="checkbox"/> |

| 2. Existing drainage | | Document/Plan where information is stated: | |
|--|---|--|--------------|
| Total site area (ha) | 3.09 | REPORT/ DRAWINGS | |
| Impermeable area (ha) | 0.14 | | |
| Final discharge location | Infiltration <input type="checkbox"/> | | |
| | Watercourse <input type="checkbox"/> | | |
| | Sewer <input checked="" type="checkbox"/> | | |
| | Tidal reach/sea <input type="checkbox"/> | | |
| Greenfield discharge rate (l/s) for existing site area | QBAR (l/s) | 8.97 | CALCULATIONS |
| | 1 in 1 year (l/s) | 7.62 | |
| | 1 in 30 year (l/s) | 20.63 | |
| | 1 in 100 year (l/s) | 28.61 | |
| 3. Proposed drainage areas | | Document/Plan where information is stated: | |
| Impermeable area (ha) | Roof | 0.82 | DRAWINGS |
| | Highway/road | 1.36 | |
| | Other paved areas | | |
| | Total | 2.18 | |
| Permeable area (ha) | Open space | 0.91 | DRAWINGS |
| | Other permeable areas | | |
| | Total | 0.91 | |
| Final discharge location | Infiltration <input type="checkbox"/> | DRAWINGS | |
| | Infiltration rate _____ m/s | | |
| | Watercourse <input type="checkbox"/> | | |
| | Sewer <input checked="" type="checkbox"/> | | |
| Climate change allowance included in design | Tidal reach/sea <input type="checkbox"/> | CALCULATIONS | |
| | 20% <input type="checkbox"/> 30% <input type="checkbox"/> 40% <input checked="" type="checkbox"/> | | |

| | | | |
|--|-----------------------------------|-----------------------------------|--|
| 4. Post-Development Discharge rates, without mitigation | | | Document/Plan where information is stated: |
| Developed discharge rates (l/s) | 1 in 1 year | N/A | N/A |
| | 1 in 30 year | N/A | |
| | 1 in 100 year | N/A | |
| | 1 in 100 year + CC | N/A | |
| 5. Post-Development Discharge rates, with mitigation | | | Document/Plan where information is stated: |
| Describe development drainage strategy in general terms: ATTENUATION USING CATCHES, PERMEABLE PAVEMENTS + A POND WITH A PUMP FLOW CONTROL CONNECTION TO A PUBLIC SEWER. | | | DITCHWORKS |
| (a) No control required, all flows infiltrating <input type="checkbox"/> | | | |
| (b) Controlled developed discharge rates (l/s) | 1 in 2 year | 12.5 | CALCULATIONS |
| | 1 in 30 year | 18.0 | |
| | 1 in 100 year | 18.0 | |
| | 1 in 100 year + CC | 18.0 | |
| 6. Discharge Volumes | | | Document/Plan where information is stated: |
| | Existing volume (m ³) | Proposed volume (m ³) | CALCULATIONS |
| 1 in 2 year | 4.8 | 391 | |
| 1 in 30 year | 20 | 1007 | |
| 1 in 100 year | 30 | 1651 | |
| 1 in 100 year + CC | 48 | 2551 | |

All information presented above should be contained within the attached Flood Risk Assessment, Drainage Strategy or Statement and be substantiated through plans and appropriate calculations.

| | |
|---------------------------------|-------------------------------|
| Form completed by | JAMES BAGG |
| Qualifications | MENCA |
| Company | ABP |
| Telephone | 01622 744263 |
| Email | james.bagg@abpengineers.co.uk |
| On behalf of (client's details) | GW THORNTONS |
| Date | 19-07-21 |