

APPENDIX 1

KEY CONSTRUCTION AND INSPECTION STAGE CERTIFICATES

Key stages and Certificates of Construction

Traditional Construction (T)	SUDs Construction (S)
Key Stage T1 - Drainage	Certification for Pervious Pavements S1 – stages Drainage to Kerbing.
Key Stage T2 – Site Investigation/Formation/Earthworks	
Key Stage T3 – Carriageway Subbase	
Key Stage T4 – Kerbing	
Key Stage T5 – Carriageway Binder Course	
Key Stage T6 – Footways	
Key Stage T7 – Block Paving	Certification for Pervious Pavements S2 – Permeable Block Paving
Key Stage T8 – Carriageway Surface Course	Certification for Swales & Filter Strips S3
Key Stage Inspection – Pre-Maintenance Period Inspection	
Key Stage Inspection – Pre-Adoption Inspection	

NOTE

The certificates in this appendix are subject to review and amendment. The version of the certificates current at the time the Section 38 agreement is signed will apply to works covered by that agreement.

The certificates are now in electronic format and can be downloaded via the Lincolnshire County Council web site. The downloadable versions of the Key Stage Certificates are available at www.lincolnshire.gov.uk/DRS

DEVELOPMENT ROAD CONSTRUCTION STAGE CERTIFICATE

KEY STAGE T1 - DRAINAGE

In accordance with the Section 38 Agreement for the development known as:-

General Information	
Developers Name	
Phase	
Site location	

are required to obtain from the County Council, as Highway Authority, certification that the drainage works on this development have been carried out in accordance with the specification and agreed drawings and inspected and tested by an authorised representative of the County Council at the correct time.

In order to meet the above requirements, the nominated person named in accordance with the Section 38 Agreement as being responsible for managing construction and quality for the developer, in addition to ensuring compliance with this specification, shall notify in good time (**a minimum of five working days' notice**) and provide facility for the authorised representative of the County Council to carry out the critical inspections and tests detailed below:-

Critical Inspections/Tests

Inspection or Test	Essential	Frequency	Date passed by LCC Authorised Representative
Verification of material sources for pipes, PCC units, covers/ frames, bedding and backfill material	√	All lengths	
Inspection of excavation and pipe bed	√	All lengths	
Inspections of line and level of laid pipes	√	All lengths	
Inspection of backfill and compaction (including on pipelines to be adopted by water company under S104 Agreement)	√	All lengths	
Air tests on pipelines (Water tests may be required if air test not satisfactory).	√	Each length between manholes	

Should the above nominated representative of the developer fail to notify, inform or allow facility for the authorised representative of the County Council to carry out the above Critical Inspections and Tests at the correct time, then the County Council will require retrospective testing, to be determined by the authorised representative, to be carried out, at the developer's expense, which will include the following as a minimum:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Detailed investigation of backfill suitability and compaction	√	1/100m min 3 per site
Verification of material sources for pipes PCC units, covers/frames, bedding and backfill materials	√	All lengths
CCTV survey of pipelines	√	All lengths
Air tests on pipelines (Water tests may be required if air test not satisfactory)	√	Each length between manholes
Level survey	√	All lengths

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Drainage

In addition and irrespective of any retrospective testing or the outcome of such tests, should the Developer fail to obtain the relevant certificate for the key stage of Drainage Works on this development or proceed without the consent of the Executive Director for Communities (or persons authorised by him), then the Council will require the Developer to pay a sum to the Council to cover possible future risk to the Authority associated with the lack of inspection and/or testing at the correct stage. This will be calculated as 10% of the estimated cost of the drainage works, discounted over a 120 year period, plus 10% of the estimated cost of the carriageway sub-base binder course and surface course, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

**CERTIFICATION OF DEVELOPMENT ROAD
KEY CONSTRUCTION STAGE**

KEY STAGE T1 - DRAINAGE

This is to certify that the key construction stage of Drainage has been satisfactorily notified and completed :-

General Information	
Developers Name	
Phase	
Site location	

Development and that the key inspections and the key tests, above, have been successfully completed.

Signed

Authorised representative of the
County Council on behalf of the
Executive Director for Environment and
Economy

Date

Counter Signed

Lincolnshire County Council Technical
Manager - Development

Date

Notwithstanding the above, the responsibility for all works and supervision on Development Roads lies with the developer. It is totally his responsibility to ensure and achieve compliance with the specification. Inspections and testing carried out by Lincolnshire County Council and this certification do not absolve the developer from this responsibility in any way.

NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION FOR A DEVELOPMENT KEY CONSTRUCTION STAGE

KEY STAGE T1 - DRAINAGE

You are hereby informed that the key construction stage of Drainage

General Information	
Developers Name	
Phase	
Site location	

was not notified by yourselves and inspected and tested wholly in accordance with the specification and as required by the Section 38 Agreement and as you have now commenced a subsequent stage of construction the following retrospective testing will be required:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Detailed investigation of backfill suitability and compaction	√	1/100m min 3 per site
Verification of material sources for pipes PCC units, covers/frames, bedding and backfill materials	√	All lengths
CCTV survey of pipelines	√	All lengths
Air tests on pipelines (Water tests may be required if air test not satisfactory)	√	Each length between manholes
Level survey	√	All lengths

Please inform the authorized representative of the county Council below, when the above tests are to be carried out and by whom. NB only tests carried out by a UKAS accredited laboratory or organization will be acceptable.

Payment by Developer for failure to Achieve Certification of the Key Stage of Construction Drainage

In addition, and irrespective of any retrospective testing or the outcome of such tests, you are informed that a letter will be sent to informing of the

County Council's requirement for you to pay a sum to the County Council to cover possible future risk to the authority associated with the lack of inspection and testing at this stage. This will be calculated as 10% of the estimated cost of the drainage works, discounted over a 120 year period, plus 10% of the estimated cost of the carriageway sub-base, binder course and surface course, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

**NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION FOR A
DEVELOPMENT KEY CONSTRUCTION STAGE**

KEY STAGE T1 - DRAINAGE

Signed Authorised representative of the County
Council on behalf of the Executive Director
for Environment and Economy

Date

Counter Signed Lincolnshire County Council
Technical Manager - Development

Date

DEVELOPMENT ROAD CERTIFICATION OF PERVIOUS PAVEMENT S1

PERMEABLE PAVING – Stages Drainage to Kerbing Direct & Partial Infiltration

General Information	
Developers Name	
Phase	
Site location	

are required to obtain from the County Council, as Highway Authority, certification that the Drainage / Site Investigation and Formation / Geotextile / Sub-base / Kerbing works on this development have been carried out in accordance with the specification and agreed drawings and inspected and tested by an authorised representative of the County Council at the correct time.

In order to meet the above requirements, the nominated person named in accordance with the Section 38 Agreement as being responsible for managing construction and quality for the developer, in addition to ensuring compliance with this specification, shall provide the information required below and shall notify in good time (**a minimum of five working days' notice**) and provide facility for the authorised representatives of the County Council to carry out the critical inspections and tests detailed below:-

Information required

- Site Investigation Report
- Brownfield or Greenfield site classification
- Contamination Risk Assessment
- Typical ground water level. Where this is not available the level shall be established on site.

Critical Inspections or Tests	Essential	Frequency	Summary Details	Date Passed by LCC Authorised Representative
Verification of approved sub base material and sample tested	√	1 sample prior to use		
Confirm voids ratio for Type 3 subbase material				
Verification of approved geotextile	√	All lengths		
Confirm all shallow services are located within service corridors	As required	All lengths		
Inspection of backfill & compaction of all pipelines to be adopted by water company under S104 Agreement	As required	All lengths		
Verification of protection method of any pipework	As required	All lengths		
Confirm check dam locations and construction detail	As required	All lengths		
Removal of vegetation/topsoil	√	All lengths		
Inspection of formation and levels	√	All lengths		
Check for soft spots, made up ground and agree remedial action	√	All lengths		

Inspection of backfilling of all pits, service trenches, redundant land, drainage, etc. (with Type 1 or Type 3 sub-base material)	√	All lengths		
Inspection of pipework, including bedding material and backfill and CCTV survey carried out, as required	√	All lengths		
Laying and lapping of geotextile - ensuring enough overhang is left to run up the back of the back of the kerb race	√	All lengths		
Bulk sample testing – Type 3 Subbase	As required	Every 1/150 tonnes		
Kerb race inspection, including line and level, dimensions and verification of concrete mix	√	All lengths		
Inspection of kerb line, levels and correct upstands/kerb face	√	All lengths		
Inspection of sub base for contamination	√	All lengths		
Check subbase depth	√	Every 50 metres		
Dynamic Plate test (DWT) or Plate bearing test (PBT)	√	DWT Every 10m Or min of 2 PBT		

Retrospective Tests/Inspections

Should the named representative of the developer fail to notify, inform or allow facility for the authorised representative of the County Council to carry out the above Critical Inspections and Tests at the correct time, then the County Council will require retrospective testing to be carried out, at the developer's expense, to be determined by the authorised representative, which will include the following as a minimum:-

Inspection or Test	Essential	Frequency
Verification of approved materials source (including confirmation of non-frost susceptibility) and verification of backfill materials - may require sample analysis	√	1/100m min 2/site
Confirmation that contamination is not a problem and review past uses	√	All lengths
CCTV survey of pipelines	√	All lengths
Verification of depth and CBR values (through trial pits)	√	1/100m min 2/site
Verification of correct geotextile, laying & lapping methods	√	All lengths
Plate Bearing test to assess compaction of capping and or subbase	√	1/100m min 2/site
Verification of check dam detail and locations	√	As required
Inspection of kerb race, including line, level & dimension	√	All lengths
Verification of correct concrete	√	All lengths
Verification of correct kerb lines, level control, faces and upstands	√	All lengths
Level survey	√	As required

Payment will be required by the Developer for Failure to Achieve Certification of Pervious Pavement S1 – Stages Drainage to kerbing - Permeable Paving

In addition and irrespective of any retrospective testing or the outcome of such tests, should the Developer fail to obtain the relevant certificate for Pervious Pavement S1 on this development or proceed without the consent of the Executive Director for Environment & Economy (or persons authorised by him), then the Council will require the Developer to pay a sum to the Council to cover possible future risk to the Authority associated with the lack of inspection and/or testing at the correct stage. This will be calculated as 10% of the overall replacement cost of the Porous Pavement - Stages Drainage to Kerbing, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

CERTIFICATION OF PERVIOUS PAVEMENTS S1

PERMEABLE PAVING – Stages Drainage to Kerbing Direct & Partial Infiltration

This is to certify that the key construction stage of Drainage / Site Investigation / Formation / Geotextile / Sub-base / Kerbing works has been satisfactorily notified and completed by

General Information	
Developers Name	
Phase	
Site location	

Development and that the key inspections and the key tests, above, have been successfully completed.

Signed Authorised representative of the County Council on behalf of the Executive Director for Environment & Economy

Date

Counter Signed Lincolnshire County Council
Technical Manager – Development

Date

Notwithstanding the above, the responsibility for all works and supervision on Development Roads lies with the developer. It is totally his responsibility to ensure and achieve compliance with the specification. Inspections and testing carried out by Lincolnshire County Council and this certification do not absolve the developer from this responsibility in any way.

NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION FOR A DEVELOPMENT ROAD OF PERVIOUS PAVEMENT S1

Permeable Paving – Stages Drainage to Kerbing Direct & Partial Infiltration

You are hereby informed that the Permeable Paving – Stages Drainage to Kerbing

Developers	
Name	
Phase	
Site location	

was not notified by yourselves and inspected and tested wholly in accordance with the specification and as required by the Section 38 Agreement, and as you have now commenced a subsequent stage of construction, the following retrospective testing will be required:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Verification of approved materials source (including confirmation of non-frost susceptibility) and verification of backfill materials - may require sample analysis	√	1/100m min 2/site
Confirmation that contamination is not a problem and review past uses	√	All lengths
CCTV survey of pipelines	√	As required
Verification of depth and CBR values (through trial pits)	√	1/100m min 2/site
Verification of correct geotextile, laying & lapping methods	√	All lengths
Plate Bearing test to assess compaction of capping and or subbase	√	1/100m min 2/site
Verification of check dam detail and locations	√	As required
Inspection of kerb race, including line level & dimension	√	All lengths
Verification of correct concrete	√	All lengths
Verification of correct kerb lines, level control, faces and upstands	√	All lengths
Level survey	√	As required

Please inform the authorized representative of the county Council below, when the above tests are to be carried out and by whom. NB only tests carried out by a UKAS accredited laboratory or organization will be acceptable.

Payment by Developer for failure to Achieve Certification of the Pervious Pavement S1 – Stages Drainage to Kerbing

In addition, and irrespective of any retrospective testing or the outcome of such tests, you are

informed that a letter will be sent to

confirming the County Council's requirement for you to pay a sum to the County Council to cover possible future risk to the authority associated with the lack of inspection and testing at this stage. This will be calculated as 10% of the overall replacement cost of the Pervious Pavement S1- Stages Drainage to Kerbing, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

**NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION
FOR A DEVELOPMENT ROAD OF PERVIOUS PAVEMENT S1**

**Permeable Paving – Stages Drainage to Kerbing
Direct & Partial Infiltration**

Signed Authorised representative of the County Council on behalf of
the Executive Director for Environment & Economy

Date

Counter Signed Lincolnshire County Council
Technical Manager – Development

Date

**DEVELOPMENT ROAD
CERTIFICATION OF PERVIOUS PAVEMENT S2**

PERMEABLE BLOCK PAVING S2

General Information	
Developers Name	
Phase	
Site location	

are required to obtain from the County Council, as Highway Authority, certification that permeable block paving works on this development have been carried out in accordance with the specification and agreed drawings and inspected and tested by an authorised representative of the County Council at the correct time.

In order to meet the above requirements, the nominated person named in accordance with the Section 38 Agreement as being responsible for managing construction and quality for the developer, in addition to ensuring compliance with this specification, shall provide the information required below and shall notify in good time (**a minimum of five working days' notice**) and provide facility for the authorised representatives of the County Council to carry out the critical inspections and tests detailed below:-

Critical Inspections or Tests	Essential	Frequency	Summary Details	Date Passed by LCC Authorised Representative
Review dip measurements for laying course thickness	√	All lengths		
Verification of 2- 4mm infill grit material source Verification of 6 – 8mm laying course grit material source	√	All lengths		
Ensure road is power washed and mechanically swept prior to drilling the infiltration holes.	√	All lengths		
Inspect damaged kerbing for replacement	√	All lengths		
Inspection of drilled infiltration holes in binder course eg spacing intervals, depth and check for contamination.	√	All lengths		
Sweep clean area to remove any contamination from drilling.	√	All Lengths		
Inspection of backfill of infiltration holes – to be completed immediately after drilling to prevent contamination	√	All lengths		
Inspection of 6 – 8mm laying course – verification of depth (± 10mm)	√	All lengths		
Check correct block dimensions and paving laying pattern	√	All lengths		
Inspection of cut blocks to be no less than 1/3 size of block.	√	All lengths		
Inspection of jointing grit, ensuring joints are filled to the top of the block	√	All lengths		
Inspection of block paving for ponding or irregularities	√	All lengths		
Inspection of any surface contamination in the block joints	√	All lengths		

PERMEABLE BLOCK PAVING S2

Retrospective testing is not feasible on this stage of pervious pavement construction.

To achieve compliance and future adoption, the Developer must remove all current construction material to allow full inspection of the drilled perforated binder course, to allow specified inspections and testing to take place in accordance with the Section 38 Agreement.

**DEVELOPMENT ROAD
CERTIFICATION OF PERVIOUS PAVEMENT S2**

PERMEABLE BLOCK PAVING S2

This is to certify that the key construction stage of Permeable block paving works has been satisfactorily notified and completed by

General Information	
Developers Name	
Phase	
Site location	

Development and that the key inspections and the key tests, above, have been successfully completed.

Signed Authorised representative of the County Council on behalf of the Executive Director for Environment & Economy

Date

Counter Signed Lincolnshire County Council
Technical Manager – Development

Date

Notwithstanding the above, the responsibility for all works and supervision on Development Roads lies with the developer. It is totally his responsibility to ensure and achieve compliance with the specification. Inspections and testing carried out by Lincolnshire County Council and this certification do not absolve the developer from this responsibility in any way.

**DEVELOPMENT ROAD
CERTIFICATION FOR SWALES & FILTER STRIPS – S3**

General Information	
Developers Name	
Phase	
Site location	

are required to obtain from the County Council, as Highway Authority, certification that the swales and filter strip works on this development have been carried out in accordance with the specification and agreed drawings and inspected and tested by an authorised representative of the County Council at the correct time.

In order to meet the above requirements, the nominated person named in accordance with the Section 38 Agreement as being responsible for managing construction and quality for the developer, in addition to ensuring compliance with this specification, shall provide the information required below and shall notify in good time (**a minimum of five working days' notice**) and provide facility for the authorised representatives of the County Council to carry out the critical inspections and tests detailed below:-

Information required

- Site Investigation Report
- Brownfield or Greenfield site classification
- Contamination Risk Assessment
- Typical ground water level. Where this is not available the level shall be established on site.

Critical Inspections or Tests	Essential	Frequency	Summary Details	Date Passed by LCC Authorised Representative
Verification of approved geotextile	√	All lengths		
Verification of Type B filter material	√	All lengths		
Confirm all services are located within service corridors	√	All lengths		
Verification of topsoil grade	√	All lengths		
Removal of existing vegetation/topsoil	√	All Lengths		
Inspection of formation and levels	√	All lengths		
Check for made up ground and agree remedial action	√	All lengths		
Check swale / filter strip dimension / profile on site	√	All lengths		
Check dimensions of any underdrain	√	All lengths		
Check correct erosion & scour protection on outlet pipes	√	As required		
Inspection of pipework, including bedding material and backfill and CCTV survey carried out	√	All lengths		
Laying and lapping of geotextile	√	All lengths		
Check 25mm kerb upstand to swale run off area.	√	All lengths		
Check top soil depth	√	All lengths		
Check sub base depth & width in run off area	√	All lengths		
Verification of correct grass seed or turf species.	√	All lengths		
Inspect root protection systems for any tree planting	√	As required		
Verify correct tree species	√	As required		

CERTIFICATION FOR SWALES & FILTER STRIPS – S3

Retrospective Tests/Inspections

Should the named representative of the developer fail to notify, inform or allow facility for the authorised representative of the County Council to carry out the above Critical Inspections and Tests at the correct time, then the County Council will require retrospective testing to be carried out, at the developer's expense, to be determined by the authorised representative, which will include the following as a minimum:-

Inspection or Test	Essential	Frequency
Verification of materials source (including confirmation of non-frost susceptibility) may require sample analysis	√	1/100m min 2/site
Confirmation that contamination is not a problem and review past uses	√	All lengths
CCTV survey of pipelines	As required	All lengths
Confirm type & location of geotextile	√	All lengths
Confirm location and depth of subbase in run off areas	√	All lengths
Verification of correct kerb face	√	All lengths
Level and profile survey of swales and strips	√	As required

Payment will be required by the Developer for Failure to Achieve Certification for Swales & Filter Strips – S3

In addition and irrespective of any retrospective testing or the outcome of such tests, should the Developer fail to obtain the relevant Certification for Swales & Filter Strips on this development or proceed without the consent of the Executive Director for Environment & Economy (or persons authorised by him), then the Council will require the Developer to pay a sum to the Council to cover possible future risk to the Authority associated with the lack of inspection and/or testing at the correct stage. This will be calculated as 10% of the overall replacement cost of the Swale & Filter Strip, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

**CERTIFICATION OF DEVELOPMENT ROAD
CERTIFICATION FOR SWALES & FILTER STRIPS – S3**

This is to certify that the key construction stage of swales and filter strip works has been satisfactorily notified and completed by

General Information	
Developers Name	
Phase	
Site location	

Development and that the key inspections and the key tests, above, have been successfully completed.

Signed Authorised representative of the County Council on behalf of the Executive Director for Environment & Economy

Date

Counter Signed Lincolnshire County Council
Technical Manager – Development

Date

Notwithstanding the above, the responsibility for all works and supervision on Development Roads lies with the developer. It is totally his responsibility to ensure and achieve compliance with the specification. Inspections and testing carried out by Lincolnshire County Council and this certification do not absolve the developer from this responsibility in any way.

NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION FOR A DEVELOPMENT ROAD FOR SWALE & FILTER STRIP S3

You are hereby informed that the Swale and or Filter strip

Developers	
Name	
Phase	
Site location	

was not notified by yourselves and inspected and tested wholly in accordance with the specification and as required by the Section 38 Agreement, and as you have now commenced a subsequent stage of construction, the following retrospective testing will be required:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Verification of approved materials source (including confirmation of non-frost susceptibility) and verification of backfill materials - may require sample analysis	√	1/100m min 2/site
Confirmation that contamination is not a problem and review past uses	√	All lengths
CCTV survey of pipelines	√	As required
Verification of correct geotextile, laying & lapping methods	√	All lengths
Confirm material source, location and depth of subbase in overrun areas	√	As required
Verify correct erosion and scour protection on outfall	√	As required
Verification of correct kerb face and upstand	√	All lengths
Level and profile survey of swales filter strips	√	As required

Please inform the authorized representative of the county Council below, when the above tests are to be carried out and by whom. NB only tests carried out by a UKAS accredited laboratory or organization will be acceptable.

Payment by Developer for failure to Achieve Certification for Swale and Filter Strip -S3

In addition, and irrespective of any retrospective testing or the outcome of such tests, you are informed that a letter will be sent to

confirming the County Council's requirement for you to pay a sum to the County Council to cover possible future risk to the authority associated with the lack of inspection and testing at this stage. This will be calculated as 10% of the overall replacement cost of the Swale and Filter Strip, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

**NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION
FOR A DEVELOPMENT ROAD FOR SWALE & FILTER STRIP – S3**

Signed Authorised representative of the County Council on
behalf of the Executive Director for Environment &
Economy

Date

Counter Signed Lincolnshire County Council
Technical Manager – Development

Date

DEVELOPMENT ROAD CONSTRUCTION STAGE CERTIFICATE

KEY STAGE T2 – SITE INVESTIGATION / FORMATION / EARTHWORKS / GEOTEXTILE

In accordance with the Section 38 Agreement for the development known as:-

General Information	
Developers Name	
Phase	
Site location	

are required to obtain from the County Council, as Highway Authority, certification that the Site Investigation and Formation / Earthworks / Geotextile works on this development have been carried out in accordance with the specification and agreed drawings and inspected and tested by an authorised representative of the County Council at the correct time.

In order to meet the above requirements, the nominated person named in accordance with the Section 38 Agreement as being responsible for managing construction and quality for the developer, in addition to ensuring compliance with this specification, shall provide the information required below and shall notify in good time (**a minimum of five working days' notice**) and provide facility for the authorised representatives of the County Council to carry out the critical inspections and tests detailed below:-

Information required

- Site Investigation Report
- Brownfield or Greenfield site classification
- Contamination Risk Assessment

Critical Inspections/Tests

Inspection or Test	Essential	Frequency	Date Passed by LCC Authorised Representative
Inspection of formation and levels	√	All lengths	
Check for soft spots, made up ground and agree remedial action	√	All lengths	
Inspection of backfilling of all pits, service trenches, redundant land, drainage, etc (with sub-base material)	√	All lengths	
Removal of vegetation/topsoil	√	All lengths	
Verification of approved source for geotextile	√	When used	
Verification of approval source of capping layer	√	When used	
Laying and lapping of geotextile	√	When used	
Bulk Sample Testing of fill materials		As required 1/400t	
Plate Bearing test to assess compaction of capping layer	√	1/100m min 2 per site when used	

DEVELOPMENT ROAD CONSTRUCTION STAGE CERTIFICATE

KEY STAGE T2 – SITE INVESTIGATION / FORMATION / EARTHWORKS / GEOTEXTILE

Should the named representative of the developer fail to notify, inform or allow facility for the authorised representative of the County Council to carry out the above Critical Inspections and Tests at the correct time, then the County Council will require retrospective testing to be carried out, at the developer's expense, to be determined by the authorised representative, which will include the following as a minimum:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Verification of formation levels	√	All lengths
Verification of material source for geotextiles	√	When used
Verification of material sources of capping inset	√	When used
Geology for the site	√	All lengths
Verification of sub-grade design CBR	√	All lengths
Review of past uses	√	All lengths
Confirmation that contamination is not a problem	√	All lengths

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Site Investigation Formation / Earthworks / Geotextile

In addition and irrespective of any retrospective testing or the outcome of such tests, should the Developer fail to obtain the relevant certificate for the key stage of Site Investigations/ Formation/Earthworks/ Geotextiles Works on this development or proceed without the consent of the Executive Director for Communities (or persons authorised by him), then the Council will require the Developer to pay a sum to the Council to cover possible future risk to the Authority associated with the lack of inspection and/or testing at the correct stage. This will be calculated as 10% of the overall construction works less the cost of drainage (provided that this has been previously certified) discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

**CERTIFICATION OF DEVELOPMENT ROAD KEY CONSTRUCTION STAGE
KEY STAGE T2 – SITE INVESTIGATION / FORMATION / EARTHWORKS / GEOTEXTILE**

This is to certify that the key construction stage of Site Investigation / Formation / Earthworks / Geotextile works has been satisfactorily notified and completed by :-

General Information	
Developers Name	
Phase	
Site location	

Development and that the key inspections and the key tests, above, have been successfully completed.

Signed

Authorised representative of the
County Council on behalf of the
Executive Director for Environment and
Economy

Date

Counter Signed.....

Lincolnshire County Council Technical
Manager - Development

Date

Notwithstanding the above, the responsibility for all works and supervision on Development Roads lies with the developer. It is totally his responsibility to ensure and achieve compliance with the specification. Inspections and testing carried out by Lincolnshire County Council and this certification do not absolve the developer from this responsibility in any way.

NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION FOR A DEVELOPMENT KEY CONSTRUCTION STAGE

KEY STAGE T2 – SITE INVESTIGATION / FORMATION / EARTHWORKS / GEOTEXTILES

You are hereby informed that the key construction stage of Site Investigation / Formation / Earthworks / Geotextiles at :-

General Information	
Developers Name	
Phase	
Site location	

was not notified by yourselves and inspected and tested wholly in accordance with the specification and as required by the Section 38 Agreement, and as you have now commenced a subsequent stage of construction, the following retrospective testing will be required:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Verification of formation levels	√	All lengths
Verification of material source for geotextiles	√	When used
Geology for the site	√	All lengths
Verification of sub-grade design CBR	√	All lengths
Review of past uses	√	All lengths
Confirmation that contamination is not a problem	√	All lengths
Verification of material sources of capping	√	When used

Please inform the authorized representative of the County Council below, when the above tests are to be carried out and by whom. NB only tests carried out by a UKAS accredited Laboratory or organization will be acceptable.

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Site Investigation Formation / Earthworks / Geotextile

In addition, and irrespective of any retrospective testing or the outcome of such tests, you are informed that a letter will be sent to informing

of the County Council's requirement for you to pay a sum to the County Council to cover possible future risk to the authority associated with the lack of inspection and testing at the correct stage. This will be calculated as 10% of the overall construction works less the cost of drainage (provided that this has been previously certified) discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

**NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION FOR A DEVELOPMENT
KEY CONSTRUCTION STAGE**

KEY STAGE T2 – SITE INVESTIGATION / FORMATION / EARTHWORKS / GEOTEXTILES

Signed

Authorised representative of the County
Council on behalf of the Executive
Director for Environment and Economy

Date

Counter Signed

Lincolnshire County Council
Technical Manager – Development

Date

CERTIFICATION OF DEVELOPMENT ROAD CONSTRUCTION STAGE

KEY STAGE T3 – CARRIAGEWAY SUB-BASE

In accordance with the Section 38 Agreement for the development known as :-

General Information	
Developers Name	
Phase	
Site location	

are required to obtain from the County Council, as Highway Authority, certification that the carriageway sub-base works on this development have been carried out in accordance with the specification and agreed drawings and inspected and tested by an authorised representative of the County Council at the correct time.

In order to meet the above requirements, the nominated person named in accordance with the Section 38 Agreement as being responsible for managing construction and quality for the developer, in addition to ensuring compliance with this specification, shall notify in good time (**a minimum of five working days' notice**) and provide facility for the authorised representative of the County Council to carry out the critical inspections and tests detailed below:-

Critical Inspections/Tests

Inspection or Test	Essential	Frequency	Date passed by LCC Authorised Representative
Verification of approved material source (including confirmation of non-frost susceptibility)	√	All sources	
Bulk Sample Testing		As required 1/150t	
Check depth of material	√	1/100m or part there of	
Visual Inspection of completed sub-base	√	All lengths	
Plate bearing tests to assess compaction	√	1/100m min 2/site	

Should the named representative of the developer fail to notify, inform or allow facility for the authorised representative of the County Council to carry out the above Critical Inspections and Tests at the correct time, then the County Council will require retrospective testing to be carried out, at the developer's expense, to be determined by the authorised representative, which will include the following as a minimum:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Verification of approved materials source (including confirmation of non-frost susceptibility), may require sample analysis	√	1/100m min 2/site
Verification of depth and CBR values (through trial pits)	√	1/100m min 2/site

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Carriageway Sub-Base

In addition and irrespective of any retrospective testing or the outcome of such tests, should the Developer fail to obtain the relevant certificate for the key stage of carriageway Sub Base Works on this development or proceed without the consent of the Executive Director for Development Service (or persons authorised by him), then the Council will require the Developer to pay a sum to the Council to cover possible future risk to the Authority associated with the lack of inspection and/or testing at the correct stage. This will be calculated as 10% of the replacement costs of the carriageway sub-base, binder course and surface course layers where applicable, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

This is to certify that the key construction stage of carriageway Sub-base works has been satisfactorily notified and completed by :-

General Information	
Developers Name	
Phase	
Site location	

development and that the key inspections and the key tests, above, have been successfully completed.

Signed

Authorised representative of the
County Council on behalf of the
Executive Director for Environment and
Economy

Date

Counter Signed.....

Lincolnshire County Council
Technical Manager – Development

Date

Notwithstanding the above, the responsibility for all works and supervision on Development Roads lies with the developer. It is totally his responsibility to ensure and achieve compliance with the specification. Inspections and testing carried out by Lincolnshire County Council and this certification do not absolve the developer from this responsibility in any way.

NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION FOR A DEVELOPMENT KEY CONSTRUCTION STAGE

KEY STAGE T3 – CARRIAGEWAY SUB BASE

You are hereby informed that the key construction stage of carriageway Sub Base at

General Information	
Developers Name	
Phase	
Site location	

was not notified by yourselves and inspected and tested wholly in accordance with the specification and as required by the Section 38 Agreement, and as you have now commenced a subsequent stage of construction, the following retrospective testing will be required:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Verification of approved materials source (including confirmation of non-frost susceptibility), may require sample analysis	√	1/100m min 2/site
Verification of depth and CBR values (through trial pits)	√	1/100m min 2/site

Please inform the authorized representative of the County Council below, when the above tests are to be carried out and by whom. NB only tests carried out by a UKAS accredited Laboratory or organization will be acceptable.

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Carriageway Sub-Base

In addition, and irrespective of any retrospective testing or the outcome of such tests, you are informed that a letter will be sent to informing of the County Council's requirement for you to pay a sum to the County Council to cover possible future risk to the authority associated with the lack of inspection and testing at the correct stage. This will be calculated as 10% of the replacement costs of the carriageway sub-base, binder course and surface course layers where applicable, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

Signed Authorised representative of the County Council on behalf of the Executive Director for Environment and Economy

Date

Counter Signed Lincolnshire County Council
Technical Manager - Development

Date

DEVELOPMENT ROAD CONSTRUCTION STAGE CERTIFICATE

KEY STAGE T4 – KERBING AND CHANNELLING

In accordance with the Section 38 Agreement for the development known as :-

General Information	
Developers Name	
Phase	
Site location	

are required to obtain from the County Council, as Highway Authority, certification that the kerbing and Channelling works on this development have been carried out in accordance with the specification and agreed drawings and inspected and tested by an authorised representative of the County Council at the correct time.

In order to meet the above requirements, the nominated person named in accordance with the Section 38 Agreement as being responsible for managing construction and quality for the developer, in addition to ensuring compliance with this specification, shall notify in good time (**a minimum of five working days' notice**) and provide facility for the authorised representative of the County Council to carry out the critical inspections and tests detailed below:-

Critical Inspections/Tests

Inspection or Test	Essential	Frequency	Date passed by LCC Authorised Representative
Inspection of kerb/channel races, including line and level and dimensions (Kerb race/bed to be laid separate to backing)	√	All lengths	
Binder course to be laid in two stages and thickened if kerbs to be installed at a later stage	√	Check in all cases	
Verification of correct concrete mix		As required	
Verification of kerbs/channels from approved source and correct types		As required	
Inspection of kerb lines and levels	√	All lengths	
Correct faces and upstands	√	All lengths	

Should the named representative of the developer fail to notify, inform or allow facility for the authorised representative of the County Council to carry out the above Critical Inspections and Tests at the correct time, then the County Council will require retrospective testing to be carried out, at the developer's expense, to be determined by the authorised representative, which will include the following as a minimum:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Trial holes to inspect races		As required
Verification of use of correct concrete mixes	√	All lengths
Verification of source of kerbs and channels		As required
Inspection of kerb lines and levels	√	All lengths
Level survey		As required

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Kerbing and Channelling

In addition and irrespective of any retrospective testing or the outcome of such tests, should the Developer fail to obtain the relevant certificate for the key stage of Kerbing and Channelling Works on this development or proceed without the consent of the Director for Development Services (or persons authorised by him), then the Council will require the Developer to pay a sum to the Council to cover possible future risk to the Authority associated with the lack of inspection and/or testing at the correct stage. This will be calculated as 10% of the replacement cost of kerbing/channelling including races, together with replacement costs of carriageway surface course and all footway construction, where applicable, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

This is to certify that the key construction stage of Kerbing and Channelling works has been satisfactorily complete notified and by :-

General Information	
Developers Name	
Phase	
Site location	

Development and that the key inspections and the key tests, above, have been successfully completed.

Signed

Authorised representative of the
County Council on behalf of the
Executive Director for Environment and
Economy

Date

Counter Signed.....

Lincolnshire County Council
Technical Manager - Development

Date

Notwithstanding the above, the responsibility for all works and supervision on Development Roads lies with the developer. It is totally his responsibility to ensure and achieve compliance with the specification. Inspections and testing carried out by Lincolnshire County Council and this certification do not absolve the developer from this responsibility in any way.

NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION FOR A DEVELOPMENT KEY CONSTRUCTION STAGE

KEY STAGE T4 – KERBING AND CHANNELLING

You are hereby informed that the key construction stage of Kerbing and Channelling

General Information	
Developers Name	
Phase	
Site location	

was not notified by yourselves and inspected and tested wholly in accordance with the specification and as required by the Section 38 Agreement, and as you have now commenced a subsequent stage of construction, the following retrospective testing will be required:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Trial holes to inspect races		As required
Verification of use of correct concrete mixes	√	All lengths
Verification of source of kerbs and channels		As required
Inspection of kerb lines and levels	√	All lengths

Please inform the authorized representative of the County Council below, when the above tests are to be carried out and by whom. NB only tests carried out by a UKAS accredited Laboratory or organization will be acceptable.

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Kerbing and Channeling

In addition, and irrespective of any retrospective testing or the outcome of such tests, you are

informed that a letter will be sent to informing of the County Council's requirement for you to pay a sum to the County Council to cover possible future risk to the authority associated with the lack of inspection and testing at this stage. This will be calculated as 10% of the replacement cost of kerbing/channelling including races, together with replacement costs of carriageway surface course and all footway construction, where applicable, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

Signed

Authorised representative of the County Council on behalf of the Executive Director for Environment and Economy

Date

Counter Signed

Lincolnshire County Council Technical Manager – Development

Date

DEVELOPMENT ROAD CONSTRUCTION STAGE CERTIFICATE

KEY STAGE T5 – CARRIAGEWAY BINDER COURSE

In accordance with the Section 38 Agreement for the development known as :-

General Information	
Developers Name	
Phase	
Site location	

are required to obtain from the County Council, as Highway Authority, certification that the carriageway binder course works on this development have been carried out in accordance with the specification and agreed drawings and inspected and tested by an authorised representative of the County Council at the correct time.

In order to meet the above requirements, the nominated person named in accordance with the Section 38 Agreement as being responsible for managing construction and quality for the developer, in addition to ensuring compliance with this specification, shall notify in good time (**a minimum of five working days' notice**) and provide facility for the authorised representative of the County Council to carry out the critical inspections and tests detailed below:-

Critical Inspections/Tests

Inspection or Test	Essential	Frequency	Date passed by LCC Authorised Representative
Verification of approved material source and supply (check correct binder penetration)	√	All lengths	
Bulk sample testing		As required 1/150t	
Inspection of top of binder course (potential drainage problems)	√	All lengths	
Cores to assess thickness, compaction and bond	√	1/paver lane/ 100m min 3 per site	
Rolling Straight Edge tests		As required all wheelpaths	

Should the named representative of the developer fail to notify, inform or allow facility for the authorised representative of the County Council to carry out the above Critical Inspections and Tests at the correct time, then the County Council will require retrospective testing to be carried out, at the developer's expense, to be determined by the authorised representative, which will include the following as a minimum:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Verification of approved material source and supply (check correct binder penetration)	√	All sources
Material analysis		1/150t
Cores to assess thickness compaction and bond	√	1/paver/lane/100 m min 3 per site
Level survey		As required

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Carriageway Binder Course

In addition and irrespective of any retrospective testing or the outcome of such tests, should the Developer fail to obtain the relevant certificate for the key stage of Binder Course Works on this development or proceed without the consent of the Executive Director for Development Services (or persons authorised by him), then the Council will require the Developer to pay a sum to the Council to cover possible future risk to the Authority associated with the lack of inspection and/or testing at the correct stage. This will be calculated as 10% of the replacement cost of the carriageway binder course and carriageway surface course or block paving, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

This is to certify that the key construction stage of Carriageway Binder Course has been satisfactorily notified and completed by :-

General Information	
Developers Name	
Phase	
Site location	

Development and that the key inspections and the key tests, above, have been successfully completed.

Signed Authorised representative of the
County Council on behalf of the
Executive Director for Environment and
Economy

Date

Counter Signed..... Lincolnshire County Council
Technical Development Manager

Date

Notwithstanding the above, the responsibility for all works and supervision on Development Roads lies with the developer. It is totally his responsibility to ensure and achieve compliance with the specification. Inspections and testing carried out by Lincolnshire County Council and this certification do not absolve the developer from this responsibility in any way.

NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION FOR A DEVELOPMENT KEY CONSTRUCTION STAGE

KEY STAGE T5 – CARRIAGEWAY BINDER COURSE

You are hereby informed that the key construction stage of Carriageway Binder Course

General Information	
Developers Name	
Phase	
Site location	

was not notified by yourselves and inspected and tested wholly in accordance with the specification and as required by the Section 38 Agreement, and as you have now commenced a subsequent stage of construction, the following retrospective testing will be required:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Verification of approved material source and supply (check correct binder penetration)	√	All sources
Material analysis		1/150t
Cores to assess thickness compaction and bond	√	1/paver/lane/100 m min 3 per site
Level survey		As required

Please inform the authorised representative of the County Council below, when the above tests are to be carried out and by whom. NB only tests carried out by a UKAS accredited Laboratory or organisation will be acceptable.

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Carriageway Binder Course

In addition, and irrespective of any retrospective testing or the outcome of such tests, you are informed that a letter will be sent to informing of the County Council's requirement for you to pay a sum to the County Council to cover possible future risk to the authority associated with the lack of inspection and testing at this correct stage. This will be calculated as 10% of the replacement cost of the carriageway binder course and carriageway surface course or block paving, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

**NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION FOR A DEVELOPMENT
KEY CONSTRUCTION STAGE**

KEY STAGE T5 – CARRIAGEWAY BINDER COURSE

Signed

Authorised representative of the County
Council on behalf of the Executive Director
for Environment and Economy

Date

Counter Signed

Lincolnshire County Council
Technical Manager - Development

Date

DEVELOPMENT ROAD CONSTRUCTION STAGE CERTIFICATE

KEY STAGE T6 – FOOTWAYS AND EDGING

In accordance with the Section 38 Agreement for the development known as :-

General Information	
Developers Name	
Phase	
Site location	

are required to obtain from the County Council, as Highway Authority, certification that the Footways and Edging works on this development have been carried out in accordance with the specification and agreed drawings and inspected and tested by an authorised representative of the County Council at the correct time.

In order to meet the above requirements, the nominated person named in accordance with the Section 38 Agreement as being responsible for managing construction and quality for the developer, in addition to ensuring compliance with this specification, shall notify in good time (**a minimum of five working days' notice**) and provide facility for the authorised representative of the County Council to carry out the critical inspections and tests detailed below:-

Critical Inspections/Tests

Inspection or Test	Essential	Frequency	Date passed by LCC Authorised Representative
Inspection of formation	√	All lengths	
Inspection of all backfilling and compaction of all pits, service trenches, redundant land drainage, etc. (with sub-base material)	√	All lengths	
Removal of vegetation/topsoil	√	All lengths	
Weed spray to formation		All lengths	
Verification of approved source for sub-base material (confirmation non-frost susceptibility)	√	All source	
Check depth of sub-base	√	All lengths	
Inspection of edgings, including bed/backing, crossfalls, line and level (ensure line of edgings are dropped at vehicular crossings to prevent excessive gradients on footways)	√	All lengths	
Verification of correct concrete type		As required	
Verification of edgings from approved source and correct type		As required	
Check for dropped kerbs and tactile crossing points at all junctions, ensure dropped channel kerbs are to be flush with finished surface (Not to exceed 6mm upstand) NOT 25mm UPSTAND	√	All locations	
Verification of approved material source and supply for binder course and surface courses	√	All lengths	
Bulk sample testing		As required 1/50t	
Ensure sufficient depth is allowed following the laying of binder course to allow for 25mm of surface course	√	All lengths	
Cores to separately assess thickness, compaction and bond of binder and surface course layers	√	1 per 100m min 3 per site	

Should the named representative of the developer fail to notify, inform or allow facility for the authorised representative of the County Council to carry out the above Critical Inspections and Tests at the correct time, then the County Council will require retrospective testing to be carried out, at the developer's expense, to be determined by the authorised representative, which include the following as a minimum:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Verification of <u>all</u> approved material sources and supply	√	All materials
Trial holes to determine material thicknesses, depth and sub- base compaction		1/100 m min 3 per site
Materials analysis		1/150t
Cores to determine depth, compaction and bond of binder and surface course layers.	√	1/100 m min 3 per site
Level survey		As required

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Footways and Edgings

In addition and irrespective of any retrospective testing or the outcome of such tests, should the Developer fail to obtain the relevant certificate for the key stage of Footway and Edging Works on this development or proceed without the consent of the Executive Director for Communities (or persons authorised by him), then the Council will require the Developer to pay a sum to the Council to cover possible future risk to the Authority associated with the lack of inspection and/or testing at the correct stage. This will be calculated as 10% of the replacement cost of the footways and edgings, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

CERTIFICATION OF DEVELOPMENT ROAD KEY CONSTRUCTION STAGE

KEY STAGE T6 – FOOTWAYS AND EDGINGS

This is to certify that the key construction stage of Footways and Edging works has been satisfactorily notified and completed by :-

General Information	
Developers Name	
Phase	
Site location	

Development and that I have carried out the key inspections and the key tests, above, have been successfully completed.

Signed

Authorised representative of the
County Council on behalf of the
Executive Director for Environment and Economy

Date

Counter Signed.....

Lincolnshire County Council
Technical Manager – Development

Date

Notwithstanding the above, the responsibility for all works and supervision on Development Roads lies with the developer. It is totally his responsibility to ensure and achieve compliance with the specification. Inspections and testing carried out by Lincolnshire County Council and this certification do not absolve the developer from this responsibility in any way.

NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION FOR A DEVELOPMENT KEY CONSTRUCTION STAGE

KEY STAGE T6 – FOOTWAYS AND EDGINGS

You are hereby informed that the key construction stage of Footways and Edging Works at :-

General Information	
Developers Name	
Phase	
Site location	

was not notified by yourselves and inspected and tested wholly in accordance with the specification and as required by the Section 38 Agreement, and as you have now commenced a subsequent stage of construction, the following retrospective testing will be required:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Verification of <u>all</u> approved material sources and supply	√	All materials
Trial holes to determine material thicknesses, depth and sub- base compaction		1/100 m min 3 per site
Materials analysis		1/150t
Cores to determine depth, compaction and bond	√	1/100 m min 3 per site
Level survey		As required

Please inform the authorised representative of the County Council below, when the above tests are to be carried out and by whom. NB only tests carried out by a UKAS accredited Laboratory or organization will be acceptable.

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Footways and Edgings

In addition, and irrespective of any retrospective testing or the outcome of such tests, you are informed that a letter will be sent to

informing of the

County Council's requirement for you to pay a sum to the County Council to cover possible future risk to the authority associated with the lack of inspection and testing at this stage. This will be calculated as 10% of the replacement cost of the footways and edgings, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

Signed

Authorised representative of the County Council on behalf of the Executive Director for Environment and Economy

Date

Signed

Lincolnshire County Council
Technical Manager – Development

Date

DEVELOPMENT ROAD CONSTRUCTION STAGE CERTIFICATE

KEY STAGE T7 – BLOCK PAVED AREAS

In accordance with the Section 38 Agreement for the development known as :-

General Information	
Developers Name	
Phase	
Site location	

are required to obtain from the County Council, as Highway Authority, certification that the block paved areas on this development have been carried out in accordance with the specification and agreed drawings and inspected and tested by an authorised representative of the County Council at the correct time.

In order to meet the above requirements, the nominated person named in accordance with the Section 38 Agreement as being responsible for managing construction and quality for the developer, in addition to ensuring compliance with this specification, shall notify in good time **(a minimum of five working days' notice)** and provide facility for the authorised representative of the County Council to carry out the critical inspections and tests detailed below:-

Critical inspections/Tests

Inspection or Test	Essential	Frequency	Date passed by LCC Authorised Representative
Notification of approved material sources (eg blocks and bedding and jointing sand)	√	All lengths	
Inspect approved laying patterns (mortar infill not to be used)	√	All lengths	
Ensure sufficient edge restraints	√	All lengths	
Check correct thickness, colours and dimensions of blocks	√	All lengths	
Check correct type and dimensions of small element kerbing	√	All lengths	
Check correct kerbfaces	√	All lengths	
Depth of bedding sand within tolerances	√	All lengths	
Inspect completed surface regularity (check for drainage problems and possible areas of ponding).	√	All lengths	

Should the named representative of the developer fail to notify, inform or allow facility for the authorised representative of the County Council to carry out the above Critical Inspections and Tests at the correct time, then the County Council will require retrospective testing to be carried out, at the developer's expense, to be determined by the authorised representative, which will include the following as a minimum:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Verification of approved material sources	√	All lengths
Inspect approved laying patterns	√	All lengths
Remove areas of blockwork to check depth of bedding sand within tolerances		As required
Inspect completed surface regularity (check for drainage problems and possible areas of ponding)	√	All lengths
Level survey		As required
Profile survey		As required

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Block Paved Areas

In addition and irrespective of any retrospective testing or the outcome of such tests, should the Developer fail to obtain the relevant certificate for the key stage of Block Paving Works on this development or proceed without the consent of the Executive Director for Communities (or persons authorised by him), then the Council will require the Developer to pay a sum to the Council to cover possible future risk to the Authority associated with the lack of inspection and/or testing at the correct stage. This will be calculated as 10% of the overall replacement cost of the block paving, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

This is to certify that the key construction stage of Block Paved areas have been satisfactorily notified and completed by:-

General Information	
Developers Name	
Phase	
Site location	

Development and that I have carried out the key inspections and the key tests, above, have been successfully completed.

Signed

Authorised representative of the County Council on behalf of the Executive Director for Environment and Economy

Date

Counter Signed.....

Lincolnshire County Council
Technical Manager - Development

Date

Notwithstanding the above, the responsibility for all works and supervision on Development Roads lies with the developer. It is totally his responsibility to ensure and achieve compliance with the specification. Inspections and testing carried out by Lincolnshire County Council and this certification do not absolve the developer from this responsibility in any way.

NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION FOR A DEVELOPMENT KEY CONSTRUCTION STAGE

KEY STAGE T7 – BLOCK PAVED AREAS

You are hereby informed that the key construction stage of Block Paving Works at :-

General Information	
Developers Name	
Phase	
Site location	

was not notified by yourselves and inspected and tested wholly in accordance with the specification and as required by the Section 38 Agreement, and as you have now commenced a subsequent stage of construction, the following retrospective testing will be required:-

Retrospective tests/inspections

Inspection or Test	Essential	Frequency
Verification of approved material sources	√	All lengths
Inspect approved laying patterns	√	All lengths
Remove areas of blockwork to check depth of bedding sand within tolerances		As required
Inspect completed surface regularity (check for drainage problems and possible areas of ponding)	√	All lengths
Level survey		As required
Profile survey		As required

Please inform the authorised representative of the County Council below, when the above tests are to be carried out and by whom. NB only tests carried out by a UKAS accredited Laboratory or organisation will be acceptable.

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Block Paved areas

In addition, and irrespective of any retrospective testing or the outcome of such tests, you are informed that a letter will be sent to informing of the County Council's requirement for you to pay a sum to the County Council to cover possible future risk to the authority associated with the lack of inspection and testing at this stage. This will be calculated as 10% of the overall replacement cost of the block paving, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

Signed

Authorised representative of
the County Council on behalf of
the Executive Director for
Environment and Economy

Date

Counter Signed

Lincolnshire County Council
Technical Manager – Development

Date

**DEVELOPMENT ROAD
CONSTRUCTION STAGE CERTIFICATE**

KEY STAGE T8 – CARRIAGEWAY SURFACE COURSE

In accordance with the Section 38 Agreement for the development known as :-

General Information	
Developers Name	
Phase	
Site location	

are required to obtain from the County Council, as Highway Authority, certification that the carriageway surface course works on this development have been carried out in accordance with the specification and agreed drawings and inspected and tested by an authorised representative of the County Council at the correct time.

In order to meet the above requirements, the nominated person named in accordance with the Section 38 Agreement as being responsible for managing construction and quality for the developer, in addition to ensuring compliance with this specification, shall notify in good time (**a minimum of five working days' notice**) and provide facility for the authorised representative of the County Council to carry out the critical inspections and tests detailed below:-

Critical Inspections/Tests

Inspection or Test	Essential	Frequency	Date passed by LCC Authorised Representative
Surface of binder course clean and free of contamination	√	All lengths	
Verification of approved material source and supply (check PSV requirements and chipping source for HRA)	√	All sources	
Bulk sample testing:- - Coated Chippings 1. HRA or Close Graded Surface Course	√	1/20t As required 1/150t	
Texture depth testing for HRA or Thin Surfacing	√	All wheelpaths	
Cores to assess thickness compaction and bond of all bound layers	√	1/paver lane/ 100m min 3 per site	
Rolling straight edge tests	√	All wheelpaths	
Inspect completed surface regularity (check for drainage problems and possible areas of ponding)	√	All lengths	

Should the named representative of the developer fail to notify, inform or allow facility for the authorised representative of the County Council to carry out the above Critical Inspections and Tests, then the County Council will require retrospective testing to be carried out, at the developer's expense, to be determined by the authorised representative, which will include the following as a minimum:-

Retrospective – Testing/Inspections

Inspection or Test	Essential	Frequency
Verification of approved material source and supply (check correct binder penetration, PSV requirements and chipping source for HRA)	√	All lengths
Material analysis		1/150t
Cores to assess thickness compaction and bond of all bound layers	√	1/paver lane/ 100m min 3 per site
Rolling straight edge tests	√	All wheelpaths
Texture depth testing for HRA	√	All wheelpaths
White line testing		As required
Level survey	√	All lengths

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Carriageway Surface Course

In addition and irrespective of any retrospective testing or the outcome of such tests, should the Developer fail to obtain the relevant certificate for the key stage of the Carriageway Surface Course on this development or proceed without the consent of the Executive Director for Communities (or persons authorised by him), then the Council will require the Developer to pay a sum to the Council to cover possible future risk to the Authority associated with the lack of inspection and/or testing at the correct stage. This will be calculated as 10% of the replacement cost of the carriageway surface course, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

**DEVELOPMENT ROAD
CONSTRUCTION STAGE CERTIFICATE**

KEY STAGE T8 – CARRIAGEWAY SURFACE COURSE

This is to certify that the key construction stage of Carriageway Surface Course has been satisfactorily notified and completed by :-

General Information	
Developers Name	
Phase	
Site location	

development and that the key inspections above and the key tests have been successfully completed.

Signed

Authorised representative of the
County Council on behalf of the
Executive Director for Environment and
Economy

Date

Counter Signed.....

Lincolnshire County Council Technical
Manager – Development

Date

Notwithstanding the above, the responsibility for all works and supervision on Development Roads lies with the developer. It is totally his responsibility to ensure and achieve compliance with the specification. Inspections and testing carried out by Lincolnshire County Council and this certification do not absolve the developer from this responsibility in any way.

NOTIFICATION OF FAILURE TO OBTAIN CERTIFICATION FOR A DEVELOPMENT KEY CONSTRUCTION STAGE

KEY STAGE T8 – CARRIAGEWAY SURFACE

You are hereby informed that the key construction stage of the Carriageway Surface Course at

General Information	
Developers Name	
Phase	
Site location	

was not notified by yourselves and inspected and tested wholly in accordance with the specification and as required by the Section 38 Agreement, and as you have now commenced a subsequent stage of construction, the following retrospective testing will be required:-

Retrospective Tests/Inspections

Inspection or Test	Essential	Frequency
Verification of approved material source and supply (check correct binder penetration, PSV requirements and chipping source for HRA)	√	All lengths
Material analysis		1/150t
Cores to assess thickness compaction and bond of all bound layers	√	1/paver lane/ 100m min 3 per site
Rolling straight edge tests	√	All wheelpaths
Texture depth testing for HRA or Thin Surfacing	√	All wheelpaths
Inspect completed surface regularity (check for drainage problems and possible areas of ponding)	√	All lengths
White line testing		As required
Level survey	√	All lengths

Please inform the authorized representative of the County Council below, when the above tests are to be carried out and by whom. NB only tests carried out by a UKAS accredited Laboratory or organization will be acceptable.

Payment by the Developer for Failure to Achieve Certification of the Key Stage of Construction of Carriageway Surface Course

In addition, and irrespective of any retrospective testing or the outcome of such tests, you are Informed that a letter will be sent to

.....informing of the

County Council's requirement for you to pay a sum to the County Council to cover possible future risk to the authority associated with the lack of inspection and testing at this correct stage. This will be calculated as 10% of the replacement cost of the carriageway surface course, discounted over a 40 year period, as determined by the County Council.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

Signed

Authorised representative of the County Council on behalf of the Executive Director for Environment and Economy

Date

Counter Signed

Lincolnshire County Council
Technical Manager – Development

Date

**DEVELOPMENT ROAD
INSPECTION STAGE CERTIFICATE**

KEY STAGE – PRE-MAINTENANCE PERIOD INSPECTION

In order for this development at :-

General Information	
Developers Name	
Phase	
Site location	

to be entered into the 12 months maintenance period in accordance with the Section 38 Agreement, a Pre-Maintenance period inspection must be undertaken between the person named in the S38 Agreement as being responsible for managing construction and quality for this developer and the authorised representative of the County Council.

The following are areas for inspection:

Inspection	Summary Details	Date passed by LCC Authorised Representative
Road and footway are correctly swept & cleaned		
Overall condition of all surfaces, ensuring there are no outstanding defects, temporary reinstatements or excavations		
Any damage to kerbs channels blocks or edgings		
Any weed growth to be treated		
Confirm no sediment build up in the pervious pavement, swales or filter strips		
Confirm pervious pavement is draining effectively, no settlement in levels has taken place and no significant block migration		
Gullies and drainage systems cleansed		
Erosion and scour check at surface water discharge point		
Final drainage CCTV survey by certified company		
Grassed and overrun areas prepared, mown and edged back		
Confirm correct tree planting details are fully established		
Service margins marked in accordance with specification – no encroachment into service margins		

Signs and road markings correctly in place, with no deterioration of markings		
Lighting columns and signs are within area to be adopted as highway		
Visibility splays established		
As built survey drawings required		
As built level surveys of drainage infrastructure and carriageways		
Ensure foul and surface water drainage systems are certified to enter their maintenance period by the relevant water authority		
Any easements are in the correct location, no other encroachments and no permanent structures positioned within the area		
Any obvious other defects		

In order for the development to be entered into the 12 months maintenance period, the Developer will also need to provide copies of satisfactory certificates for the completed construction stages and pay any sums specified to cover possible future risk to the Authority associated within the lack of inspection and/or testing at the correct stages.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

This is to certify that the development by :-

General Information	
Developers Name	
Phase	
Site location	

has been inspected and that certificates for key construction stages have been satisfactorily notified and completed.

The development can now commence the 12 months maintenance period provided:-

- Any outstanding sums, to cover possible future risk to the Authority associated with the lack of inspection and/or testing at the correct stage, are paid
and
- The developer agrees to undertake any outstanding remedial works during the maintenance period.

Outstanding Items to be rectified during the maintenance period

NB: The County Council's Street Lighting Engineer will also check the street lighting and any illuminated traffic signs during the maintenance period and he will contact you regarding any remedial works which may be required.

Signed Authorised representative of the County Council on behalf of the Executive Director for Environment & Economy

Date

Counter Signed Lincolnshire County Council
Technical Manager – Development

Date

**DEVELOPMENT ROAD
INSPECTION STAGE CERTIFICATE**

KEY STAGE – PRE-ADOPTION INSPECTION

In order for this development at :-

General Information	
Developers Name	
Phase	
Site location	

to be formally adopted by the County Council as highway maintainable at the public expense, a pre-adoption inspection must be undertaken between the person named in the Section 38 Agreement as being responsible for managing construction and quality for the developer and the authorised representative of the County Council.

The following are areas for inspection:

Inspection	Date passed by LCC Authorised Representative
Any outstanding issue identified at Key Stage Pre Maintenance inspection	
Road and footways correctly swept & cleaned	
Overall condition of all surfaces, ensuring there are no outstanding defects, temporary reinstatements or excavations	
Any damage to kerbs, channel blocks or edgings are replaced/repared as agreed with the Highways and Flood Authority	
Confirm no sediment build up in pervious pavement, swales or filter strips	
Confirm pervious pavement is draining effectively, no settlement in levels has taken place and no significant block migration	
Any weed growth to be treated	
Gullies and drainage systems cleansed	
Erosion and scour check at surface water discharge point	
Final drainage CCTV survey by certified company	
Grassed and overrun areas prepared, mown and edged back	
Confirm tree planted areas are established	
Service margins marked in accordance with specification - no encroachment into service margins	
Any easements are in the correct location, no other encroachments and no permanent structures positioned within the area	
Signs and road markings are correctly in place, with no deterioration of markings	
Lighting columns are within the adopted highway area	
Visibility splays established	
CDM information to be provided (to include Health and Safety file)	
Obtain copies of the appropriate foul and surface water drainage adoption certificate/management company maintenance agreements.	
All sales advertising signs are removed from site and existing highway street furniture	
As built survey drawings required, electronic and paper copies	
Any obvious other defects	

**CERTIFICATION OF DEVELOPMENT ROAD
KEY INSPECTION STAGE**

KEY STAGE – PRE-ADOPTION INSPECTION

This is to certify that the development by :-

General Information	
Developers Name	
Phase	
Site location	

Has been inspected successfully and there are no outstanding issues. The Development can now be formally adopted by the County Council as highway maintainable at the public expense.

Signed

Authorised representative of the County Council on behalf of
the Executive Director for Environment & Economy

Date

Counter Signed

Lincolnshire County Council
Technical Manager – Development

Date

NB: You will be sent a separate letter detailing the formal date of adoption, the areas to be adopted and when the bond can be cancelled.

DEVELOPMENT ROAD CONSTRUCTION STAGE CERTIFICATE

KEY STAGE St1 – STRUCTURES

In accordance with the Section 38 Agreement for the development known as:-

General Information	
Developers Name	
Phase	
Site location	

are required to obtain from the County Council, as Highway Authority, certification that the **Highway Structures** works on this development have been carried out in accordance with the specification and agreed drawings and inspected and tested by an authorised representative of the County Council at the correct time.

The requirements for inspection, notice, testing, approval and certification for different types of Highway Structure are defined on the "*INSPECTION REQUIREMENTS FOR STRUCTURAL WORKS*" sheet. For all other structures, the requirements must be agreed with LCC representatives in advance of commencement of the works.

In order to meet the above requirements, the nominated person named in accordance with the Section 38 Agreement as being responsible for managing construction and quality for the developer, in addition to ensuring compliance with this specification, shall notify in good time (**a minimum of two clear working days' notice**) and provide facility for the authorised representative of the County Council to carry out the required inspections, tests and the like detailed below:-

Key to requirements:

'A' – Prior approval of process / material source by LCC before commencement of associated operation.

'N' - Notice to LCC of activity commencement is required, to allow LCC representatives the opportunity to be present on site during these operations to witness, inspect and test during the execution of the specified operations.

'M' - Mandatory testing to be undertaken by contractor, with the results passed to LCC for approval. Some testing may be required to be witnessed by LCC representatives on site, as noted below.

'I' - Inspection of works on activity completion. Several items shall be expected to be inspected during a site visit. For concrete pours, this will be in the form of a pre-pour inspection by LCC representatives.

Sufficient time must be allowed for the rectification of any defects discovered during inspection before the commencement of subsequent operations, notably the delivery of fresh concrete.

'C' - Certification on successful completion of all required structural works.

Inspection, Test, Notification, Approval and Certification Stages

Item			Frequency / Inspection Timing	Completed ³	
				By	Date
Earthworks & Backfill	Formation	I	All areas* ¹		
	Lower Bedding to CSS	A	All sources		
	Lower & pipe bedding	A	All sources		
	Upper bedding	I	All areas		
	Excavation prior to backfill	I	All areas		
	Surround material to CSS	A	All sources		
	Structural backfill material	A	All sources		
	Geotextiles	I,N	All areas		
	Sub-base	N	All areas – as <i>Key Stage T3</i>		
Drainage	Drains < 600mm dia - prior to backfill	I	All areas – as <i>Key Stage T1</i>		
	Drains < 600mm dia - following backfill	I	All areas – as <i>Key Stage T1</i>		
	Weep Holes	I	All, prior to any backfilling		
	Pore water relief drains	I	All, prior to any backfilling		
	Pipes >= 600mm diameter	N	All lengths		
	Pitching / Facings / Revetments	I	All		
	Service ducts & diversions	A	Before commencement		
Surfacing		I,N	All areas – as <i>Key Stage T8</i>		
Structural Concrete	Blinding	I	All areas		
	Shuttering	I	All, as pre-pour inspection		
	Reinforcement	I	All, as pre-pour inspection		
	Dowel bars & sleeves	I	All, as pre-pour inspection		
	Construction joints	I	All, as pre-pour inspection		
	Concrete Pours	N	All, to be witnessed by LCC		
	Compressive Strengths (Cube tests)	M	3x28 day cubes, each pour/15t		
	Water stop / water bar	I	All, as pre-pour inspection		
Pre-cast	Installation of pre-cast box, beam, units	N	All, to be witnessed by LCC		
	Installation of pipes > 600mm dia	N	All lengths, before backfill		
	Manhole / catch-pit chambers	I	All		
	Filling of clutches / lifting eyes	I	All		
	Jointing material	I	All		
Brick work	Fixings, channels etc.	I	All		
	Brickwork / Blockwork	I	All		
	Stone copings	I	All		
Water-proofing	Spray applied waterproofing	N	To be witnessed by LCC Rep.		
	Pin hole 'Holiday' testing	M	To be witnessed by LCC Rep.		
	Sheet applied waterproofing	I	All		

	Expansion joints	A, N	All		
	Movement joints	I	All		
	Other Below ground waterproofing	I	All		
RRS	Steel Parapets (Veh/Ped)	I	All		
	Brick Parapets	I	All		
	Safety barriers	I	All		
	Timber Fences	I	All		
Steel work	Trial Erection	M	All		
	Final Erection	I,N	To be witnessed by LCC Rep.		
	Preparation for protective systems	A,I	All, req. to be confirmed		
	Completion of protective systems	I	All, req. to be confirmed		
Completion		C	All structures		
As-built drgs, inv. sheet & maint. manual		I	Info to be supplied for review		
Pre-Adoption		C	All structures		

Mandatory testing to be undertaken by the Contractor	Frequency	Results passed by LCC Authorised Representative
Compaction of 6N material in backfill to structures	All areas, minimum daily or 1 test every 100t of material	
Fresh concrete - workability	Every delivery – All loads outside of specification tolerances shall be rejected. No additional water shall be added to concrete on site	
Fresh concrete - strength	3 test cubes to be taken every 15t (each delivery) or part thereof. To be tested at age 28 days only ^{*2} . Care to be taken in correctly curing the test cubes.	
Concrete (in-situ only) – cover to reinforcement	Cover measurement survey of all reinforced concrete surfaces, on a 500 mm grid over the whole structure.	
Spray applied waterproofing material - bond	2 tests minimum daily, per 100m ² of waterproofing area.	
Spray applied waterproofing material – pinhole tests	Entire waterproofing membrane, and all defects after repair	
Trial erection of steelwork	For all structures	

*¹ – In-situ ground testing may be required to corroborate design values with the exposed formation material

*² – Additional cubes tests at earlier age may be required to demonstrate sufficient early structural strength for subsequent operations or use by traffic

*³ – To be endorsed by LCC Authorised Representative once all operations are satisfactorily completed

Should the named representative of the developer fail to notify, inform or allow facility for the authorised representative of the County Council to carry out the above Inspections, Tests and the like at the correct time, the County Council may refuse to sanction adoption of the structure and any associated carriageway, footway etc. dependent on the structure for access.

Generally, retrospective testing will not be sufficient to demonstrate the suitability of a structure for adoption.

Payment by the Developer for Failure to Achieve Certification of the Key Stage of STRUCTURES

In addition and irrespective of any retrospective testing or the outcome of such tests, should the Developer fail to obtain the relevant certificate for the key stage of STRUCTURES on this development or proceed without the consent of the Executive Director for Development Services (or persons authorised by him), then the Council will require the Developer to pay a sum to the Council to cover possible future risk to the Authority associated with the lack of inspection and/or testing at the correct stage.

Any deficiency or failure potentially affecting public safety will require rectification prior to adoption.

Any deficiency or failure affecting the potential durability of the structure may be subject to an additional risk payment.

This additional risk payment will generally be calculated as a substantial reduction in the "time to replacement" in, and/or additional maintenance operations added into the, commuted sum calculation as determined by LCC representatives.

The alternative course of action to the above is for the Developer to remove all works and materials down to the lowest stage of construction which has an approval certificate to allow the specified inspections and testing to take place in accordance with the Section 38 Agreement.

**CERTIFICATION OF DEVELOPMENT ROAD
KEY CONSTRUCTION STAGE**

KEY STAGE St1 - STRUCTURES

This is to certify that the key construction stage of STRUCTURES has been satisfactorily notified and completed by:-

General Information	
Developers Name	
Phase	
Site location	

Development and that the key inspections and the key tests, above, have been successfully completed.

Signed

Authorised representative of the
County Council on behalf of the
Executive Director for Environment
and Economy

Date

Counter Signed

Lincolnshire County Council
Technical Manager

Date

Notwithstanding the above, the responsibility for all works and supervision on Development Roads lies with the developer. It is totally his responsibility to ensure and achieve compliance with the specification. Inspections and testing carried out by Lincolnshire County Council and this certification do not absolve the developer from this responsibility in any way.