Kendal Town Council

Town Hall, Highgate, Kendal LA9 4ED www.kendaltowncouncil.gov.uk

14 March 2022

To Members of the Planning Committee



| Cllr J Cornthwaite | Cllr D Rathbone (Chair) |
|-----------------------------|-------------------------|
| Cllr P Gibson | Cllr C Rowley |
| Cllr H Ladhams (Vice chair) | Cllr K Teasdale |
| Cllr D Miles | Cllr G Vincent |

You are summoned to a meeting of Kendal Town Council Planning Committee on Monday 21 March 2022 at 6.30pm, at the Town Hall, Highgate, Kendal.

Distributed to other members of the Council for information only.

Yours faithfully

Chris Bagshaw Town Clerk

AGENDA

Public Participation

Any member of the public who wishes to ask a question, make representations or present a deputation or petition at this meeting should apply to do so before the commencement of the meeting. Information on how to make the application is available on the Council's Website - http://www.kendaltowncouncil.gov.uk/kendal-town-council/statutory-information/guidance-on-public-participation-at-kendal-town-council-meetings/ or by contacting the Town Clerk on 01539 793490.

1. Apologies

To receive and accept any apologies. If accepted, apologies will be considered to be for reasons approved by the council under the terms of local government act 1972, s85.

2. Declarations of Interest

To receive declarations by members and/or co-optees of interests in respect of items on this agenda.

Exclusion of Press and Public (Public Bodies Admission to Meetings Act 1960)
 To consider whether there are any agenda items during consideration of which the press and public should be excluded.

4. Minutes from the Last Meeting

To receive the minutes of the meeting on 7 March 2022 and affirm them as a true record.

5. Planning Process and Issues

To consider any planning process or related issues arising from the Council's interaction with the Planning Authorities. These may include items for reference, training, or guidance following feedback from previous applications.

6. Biodiversity Net gain Regulations Consultation

To receive an update on the Council's response to the Government's consultation on biodiversity net gain regulations.

7. Kendal Town Council Flood Relief Scheme Working Group

To receive an update on the activities of the Working Group. The minutes of their last meeting are attached.

8. Planning Applications (see attached schedule)

To consider the following planning applications received from South Lakeland District Council and Cumbria County Council.

The Committee will consider planning applications received and published by local planning authorities up to the date of the meeting. Where the publication of the application is after the initial publication of the agenda, items will be added up to the day of the meeting where necessary to meet planning consultation timeframes. A full list of applications likely to be considered can be obtained by checking the local planning authority websites:

https://applications.southlakeland.gov.uk/fastweb/welcome.asphttps://planning.cumbria.gov.uk/Search/Results

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Minutes of a meeting of the Planning Committee held on Monday 7 March 2022 at 6pm.

| Cllr J Cornthwaite | Present | Cllr D Rathbone (Chair) | Present |
|-----------------------------|-----------|-------------------------|---------|
| Cllr P Gibson | Apologies | Cllr C Rowley | Present |
| Cllr H Ladhams (Vice Chair) | Present | Cllr K Teasdale | Present |
| Cllr D Miles | Present | Cllr G Vincent | Present |

In Attendance: No officer was present due to Covid.

P137/21/22 Apologies

Apologies were received and accepted from Councillor Gibson

P138/21/22 Declarations of Interest

None

P139/21/22 Exclusion of Press and Public (Public Bodies Admission to Meetings Act 1960)

No issues were considered for exclusion.

P140/21/22 Minutes of the Previous Meeting

The Committee received the minutes of the previous planning committee meeting held on 21 February 2022. It was noted that the date of the previous meeting was incorrectly recorded in the wrong month.

Resolved: To accept them as a true record, with this correction.

P141/21/22 Planning Process and Issues

A matter regarding an issue of potential encroachment was raised, discussed and referred to the Flood Group for an update at the next meeting if not resolved by that time.

P142/21/22 Net Biodiversity Gain Consultation

The Committee considered the Council's response to the Defra consultation on Net Biodiversity Gain. After a discussion of relevant points the committee agreed that the Chair, Vice Chair and Clerk would liaise to create a document, which is to include the matters raised. This is to be used in conjunction with the agenda item at Environment & Highways Committee's next meeting. This is then to come before the committee's next meeting.

Resolved: To adopt the approach outlined above.

P143/21/22 Kendal Town Council Flood Relief Scheme Working Group

The Chair of the Working Group reported that the Committee had met on 24 February to consider an urgent timetabling problem from the EA. The issue was as yet unresolved, but it did not rule out having to meet again to look at the consequential effects. It was noted that the Planning Application which included the amended glass screen had now been submitted. EA were setting out a payments schedule which would include the Town Council's contribution.

Resolved: To note the report and receive it formally at the next meeting.

P144/21/22 Planning Applications

The Committee considered the Planning Applications shown in Appendix 1.

Resolved: To submit the recommendations in Appendix 1 to the Planning Authority.

The meeting closed at 19.05

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| No | App No./ Type | Address/ Proposed Development | Comments To SLDC | Observations/ Recommendations |
|----|------------------|---|-------------------------------------|---|
| 1 | SL/2022/0115 | 20 Kirkland Change of use of ground floor from dog grooming business (Use class Sui generis) & residential (Use class C3) to commercial, business and service use (Use class E) | 7 March (extension requested) | No Material Objection provided due note is made of neighbour comments at 1 Yard, 18 Kirkland with regard to disturbance. |
| 2 | SL/2022/0128 | Former Safehands Nursery, Captain French Lane Conversion & adaptation of units 3 & 5 to create a single dwelling as approved as under planning permission SL/2020/0648 | 7 March (extension requested) | No Material Objection |
| 3 | SL/2022/0133 | 2 Romney Villas Single storey rear extension | 15 March | No Material Objection |
| 4 | SL/2022/0136 | 10 Castle Grove Raise roof height of outbuilding to 2.6 meters | 15 March | No Material Objection provided Development Control are satisfied by the level of information provided because it is difficult for this committee to make any positive comment regarding this application given the rather approximate nature of the figures supplied. |
| 5 | SL/2022/0137 | 8 Silver Howe Close Demolition of existing garage & porch and erection of single storey side extension, front porch & alterations to drive (Resubmission of SL/2021/0415) | 15 March | No Material Objection but to approve this application net biodiversity offered needs to be increased to actually be a genuine 'net gain' rather than merely be 'different'. |
| 6 | SL/2022/0157 | 30 Copperfield Lane | 17 March | No formal objection but the committee did note the size of build in relation to the neighbouring |

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| | | Two storey side extension and single storey rear and side extension | | houses' visual amenity. This application is taking up a large amount of garden and requires significant net biodiversity gain, which should not just be a bird box but requires additional planting. |
|----|--------------|--|------------------|---|
| 7 | SL/2021/0495 | Queen Katherine School, Appleby Road, Extension of Sandgate SEN school comprising of new educational classrooms, multi-purpose hall with pupil facilities, teaching facilities and external works | 18 March | No Material Objections. However, the committee supports the letters from Friends of the Lake District regarding light and Kendal Swifts. The impact of increased traffic and evening activities on residents should be seriously addressed in any decision. |
| 8 | SL/2021/1201 | 7 Oak Tree Road | 18 March | Material Objection – Recommend Refusal. |
| | | Roof, rear & side extensions | | Based on the scale and dominance of the proposed alterations and extension and the committee support the comments from 52 Sedbergh Rd. It is felt to be detrimental to the character and appearance of the area to an undue degree. In addition no serious effort has been made to make any net biodiversity gain on such a large development on this site. |
| 9 | SL/2022/0161 | 7 Kentwood Road Garage/workshop extension on the side of the property | 18 March | No Material Objections |
| 10 | SL/2022/0166 | 43 Bellingham Road Single storey rear extension & rear dormer window | 18 March | No Material Objections. Provided the alterations are not felt to be overlooking neighbouring properties. |
| 11 | SL/2022/0167 | Bankfield House, Bankfield Road Renovate, draught proof and double glaze existing sliding sash windows | 21 March 2022 | No Material Objections |

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| 12 | SL/2022/0172 | 2 Murley Moss | 18 March | Material Objection – Recommend Refusal |
|----|--------------|--|----------|---|
| | | Detached garden room with air conditioning units (Retrospective) revision to approved planning permission SL/2021/0129 (Single storey rear extension & detached garden room) | 2022 | The committee confirms its comments and concerns stated in the original permission to SL/2021/0129. |
| | | | | It also supports comments from 1 Murley Moss and Buttermere Drive, which should be fully taken into account and investigated. If proven, these objections potentially include increased size out of keeping with both the area and neighbouring houses' visual amenity, inappropriate appearance and materials used. All of these seem to be in direct contravention of the original application, potentially including the resultant number of customers visiting the property as a business. The original application was questionable as discussed at length between the committee and Development Control, and the assumptions that decision was based on, from the 2021 application, seem not to have been built to plan at all. |
| | | | | The committee separately and specifically, without prejudice, also objected to the application for air conditioning units. These would be noisy and spoil the neighbours' quiet enjoyment and felt to be commercial and not residential in need and form specific material objection of their own. |
| | | | | Enforcement should therefore be instructed to investigate this premises with respect to all the above points and to take any necessary remedial action. |
| | | | | Finally the committee was disappointed that this is a retrospective application with not even an |

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| | | attempt to justify why planning permission was |
|--|--|--|
| | | not sought for this before it was built. |

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Notes from the Kendal Flood Relief Scheme Working Group meeting held on Thursday 25 February 2022 at 7pm via Zoom.

| Cllr J Brook | Present | T McCormick (EA) | Present |
|----------------------------|-------------|----------------------------|-----------|
| Cllr J Cornthwaite (Chair) | Present | Cllr D Rathbone | Apologies |
| C Cowperthwaite (EA) | Present | Cllr C Rowley | Present |
| Cllr J Dunlop | Not present | Cllr P Thornton (CCC) | Apologies |
| Cllr S Evans | Present | Cllr G Vincent | Present |
| Cllr E Hennessey | Present | Cllr G Harrison (Co-optee) | Present |
| Cllr S Long (Vice Chair) | Present | | |

Invitees

| N Cotton (CCC) | Not present | |
|----------------|-------------|--|
| B Gray (CCC) | Not present | |

In attendance: Chris Bagshaw (Town Clerk)

KFRS 35/21/22 Apologies

Apologies were received and accepted from Cllrs D Rathbone and P Thornton.

KFRS 36/21/22 Minutes of the Previous Meeting

The working group considered the minutes of the meeting held on 19 January 2022.

Resolved: To accept them as a true record.

KFRS 37/21/22 Environment Agency Update

Craig Cowperthwaite presented an update on the progress of the scheme. His presentation is appended to these minutes.

Notes and observations included:

Aynam Road reaches (G1, G3 and H1) presented significant operational challenges. This has dragged the schedule of works significantly over the redline project end date, which is also the cut-off date for the ERDF Funding Agreement (worth £5.4 million).

One solution to this is to bring forward the Aynam Road tree works from September 2022 to March/April 2022, which would then release the summer period of in-river work 2022 to allow the project to get back on track. This solution is now being considered by EA and Defra Management.

Councillors queried whether the ERDF funding wasn't aligned to Mintsfeet, where problems were less sensitive or severe. Craig explained that the business case to Defra was for the whole programme of work, and it couldn't be disaggregated quite so simply. Councillors stressed that they did not like the prospect of the additional risk of the tree work being

completed but the in-river work being left for a year, which would leave Kendal shorn of sensitive trees, with no apparent sign of work to mitigate the effects. It was reiterated that the tree work was within the scope of existing planning consents from 2019, and that the final decision would be made by senior management at EA and Defra, not at project management level. It was noted that there was little purpose in further discussion on this item until a decision had been taken, after which Councillors could reconvene to consider the issue.

Craig reported that plans for the Mintsfeet nature area were progressing well, and would be shared soon. Contact had been made with county council colleagues working on the KNAR project and the LCWIP. Tom McCormick reported on the arts initiative taking place with schools and the College presently – there is a display at the Wildman St Gallery, opening on Saturday.

The schedule of payments from additional funders was being finalised. SLDC would pay KTC's share, and recharge the Town Council over the four years agreed.

There has been quite a lot of finessing of the glass wall design, in line with the Public Safety Risk Assessment (PSRA). Detail is shown in the slide of other changes, but the most obvious is the proposal that the wall coping takes on a 30-degree slop to deter people from standing on the top of the wall – the glass is a significant fall hazard from this position.

Tree planting had been carried out at Helsington in conjunction with Kendal Conservation Volunteers, and "hiberacula" had been added, to encourage over wintering insects etc.

It was noted that the Floodhub website includes details of the planting schemes as well as those from elsewhere in the country for comparison.

KFRS 38/21/22 KTC Update

The Chair asked the group for their views on the movement of the fountain currently sited at the Aynam Road side of Jennings Yard bridge. Members were encouraged to give their feedback direct to the Chair.

A query was raised about the apparent insertion of new fencing at Beezon Fields, which might compromise the connectivity of the site to the riverside path. This would have to be taken up by SLDC property, as the riverside land up to the railway viaduct was theirs.

The Chair asked if EA could do anything about the blocked footpath at Mint Bridge, following Storm Arwen. EA confirmed that unless the tree was in the river, this would be a landowner/rights of way issue to resolve. This could be reported on the Highway Hotline.

Chris Rowley reported that he had received a letter from the EA following the last meeting and was speaking to other groups with an interest in NFM and upstream work. He would report progress to the next meeting.

KFRS 37/21/22 Date of Next Meeting

The next meeting would be Wednesday 23 March 2022, unless there was urgent business to discuss.

The meeting closed at 20.42.

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Kendal Town Council Flood Relief Scheme Working Group Meeting

Environment Agency Update

Thursday 24th February 2022, 7pm

















Design

Service diversion →

Construction

| | | | | | 779 | 20-0 | | | 20 | 022 | | 504 | | | . 0 | 1 | | 23 | | | 20 | 923 | - 2 | ē. | | | | | |
|-------------|---------------|--------------------|---------------------|------|-------|--------|--------|-----|----|--------|---|------|--------|---|-----|----------|-----|-----|--------|---|----|--------|-----|-----|--------|----|------|----------------|---|
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| SOUTH | Design States | Location | Type | J | F | M | A | M | J | J | A | S | 0 | N | D | J | F | M | A | M | J | J | A | S | 0 | N | D | J | F |
| Reach L1 | CP issued | Watercrook/Scroggs | road raising, scour | | | 2 | | | | | | 10 | | | | | | | | | 1 | | | 8 | | | 1 | | 4 |
| Reach L2 | CP issued | Helsington Mills | embankment | | | 100 | | | | | | | | | | | | | 100 | | 5 | | : 3 | | | | | | |
| Reach K | CON | STRUCTION COL | MPLETED | | | | | | | | | | | | | | | 1 3 | Ī | | | | | | | | | | |
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| Reach H1 | | Ayeam Road | floodvall | | | - | | | | | | | | | | | | | | | | | | | | | | | |
| Reach H2 | CP Issued | Abbotts Hall | floodvall | | 1.0 | TE COM | STRUCT | ION | | | | | | | | | | | | | | | | | | | | | |
| Reach G1 | CP (10%) | Miller Bridge | floodwall | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Reach G2 | | Wateroide café | floodwall | 1 11 | | | | | | | | | | | | | | | | | | 1 | | | | | 0.00 | | 2 |
| Reach G3 | DD2 (15%) | Jennings Bridge | floodwall | | | CO. | | | | | - | | | | | | | | | | | | | | 1. | | | | |
| Reach G4 | CP Issued | Waterside flats | floodvall | | | | | | | | | | | 1 | | | 9 | | | | 2 | | | | | 2 | | | |
| Reach F1 | CP (60%) | Stramongate | floodwall | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reach F2 | CP (60%) | Sand Aire House | floodwall | | | | | | | | | | | | | | | | | | | | | 19 | | | | | |
| Reach F3 | | New Road | floodwall, ramp | | | | - | | | | | - | | | | | | | | | | | . / | | | | 1 | | |
| Reach F4 | | Gooseholme walls | floodwall | | | | | | - | | | 1000 | | | | | | | | | | | | | | | | | |
| F4 Pump Stn | DD1(85%) | Gooseholme PS | pumping station | | | | | | | | | | | | - | | | | | | | | | - 0 | | | | | |
| Reach F5 | BOD (95%) | Gooseholme | floodwall, ramp | • | | | | + | | | | | | | | | | | | | - | | | | | 6 | 100 | | |
| Reach F6 | BOD (95%) | uls Miller Bridge | floodwall | | - | _ | = | - | | | | | | | | | | | | | | | | | | | | \blacksquare | |
| Reach E1 | | Besher Walk | embankment | | | | | | | | | | | | | | | | | | | | 2 | | | | | - | |
| Reach E3 | CP Issued | Skate park | embankment | | | | _ | _ | _ | - | | | - | _ | - | _ | | _ | _ | | | _ | | | _ | | | \vdash | _ |
| Reach D | | VSTRUCTION CO | MPLETE | | | 4/ | | | | | | | | | | | | | | | | | | | | | | | |
| Reach C1 | DD1(90%) | Jubilee Fields | embankment | | - | | 7 | | | | | | | | | | | | | | | | | - 1 | | | | | |
| Reach C2 | | Aikrigg | floodwall | | - | | | | | | | | | | | | | | | | | | | | | 10 | | \Box | |
| Reach B1 | | Mint Bridge | floodwall | • | | - | | | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| Reach B2 | BOD (98%) | Mint Bridge | floodwall | • | | | | | | | | | | | | | | | | | | | | | - | | 9 3 | | |
| Reach A | BOD (80%) | Lakeland Plastics | embifloodvall | + | | | - | 1 | 3 | | | | | | | | | | | | | | 1 | 1 3 | | | 1 | | |





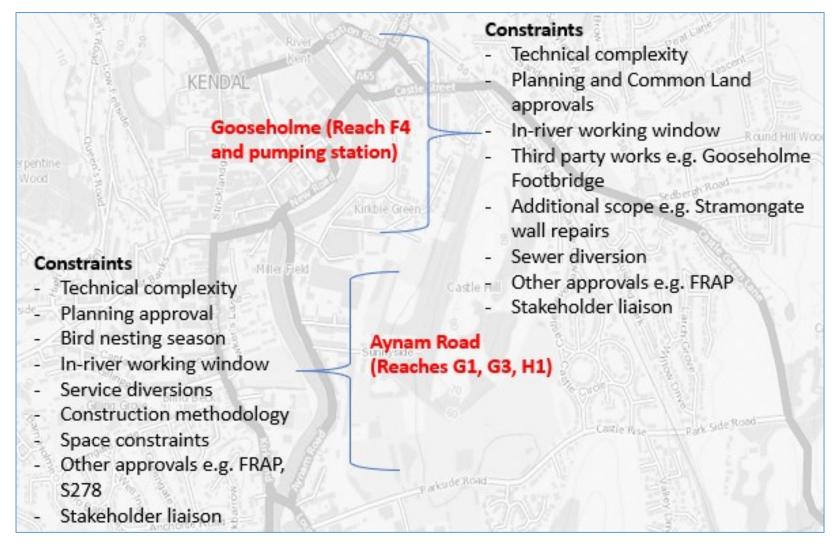






Phasicommittee 2 March 2023 ign Challenges





- The design of flood defences for central Kendal is very complex.
- There are a number of key constraints which are interdependant and are critical to the phasing and timing of our work.
- Some of these are directly manageable, others are dependant upon third parties or legislation.
- The team have been undertaking detailed analysis to try and remove/reduce the impact of these constraints on our programme.











Phase demand Progress Update

- The planning documents for Aynam Road and Waterside have now been submitted to SLDC.
- Technical and landscape design for Gooseholme is underway, with planning documentation being developed ready for pre-consultation. We are aiming to arrange a separate session with the Kendal Town Council working group within the next few weeks to discuss proposals ahead of anticipated planning submission in May '22.
- Development of our Common Land applications is progressing alongside design development. We will be aiming to submit our Gooseholme application in March '22 and our New Road application in July '22.
- Detailed design work is progressing well on all Phase 1 reaches. However, the team are navigating their way through some major challenges, and difficult decisions will be needed to maintain the project programme.
- The design of Mintsfeet nature area is developing and preliminary landscape plans will be available shortly.
- We are continuing discussions with United Utilities (Aynam Road and Gooseholme sewer diversions, and UU work at Burneside), and with Cumbria County Council (Gooseholme footbridge co-ordination, Stock Beck culvert repairs, Kendal Northern Access Road and footpath/cycleways).
- Public art improvements are progressing well, with a short list of tile designs having been selected for Mint Bridge footpath. Also progress made with Beezon Fields mosaic tiles and Parish Church sculpture.











Phase ning committee of Marster uction Progress



Reach H2 – Parish Church



Work to construct the concrete flood walls is continuing adjacent to the Parish Church.

Archaeological assessments are continuing alongside the construction, and the old church vestry has recently been uncovered.

Earthworks and footpaths are being created at Beezon Fields.

We are also preparing for construction at Busher Walk.

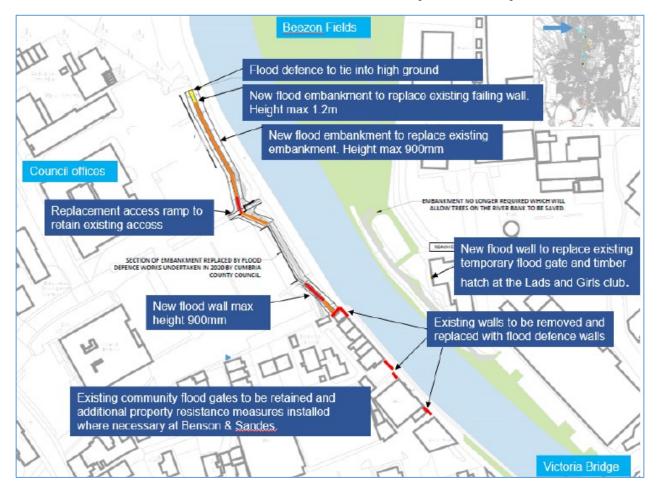




Work to construct the flood walls is continuing adjacent to Waterside Flats.

Phase Construction Activities

Busher Walk & Benson and Sandes (Reach E)













Waterside Planning Application Next Steps

Next steps

We have submitted a planning application to South Lakeland District Council which will 'go live' next week. The application will include:-

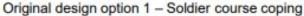
- Glass flood wall with soldier course coping design
- Changes to wall finishes
- Changes to foundation type
- Changes to construction working method
- Inclusion of design finishes e.g. Webster railings

A further consultation period will take place as part of the formal planning determination period

How has the feedback informed the design?

One of the key focusses of the consultation has been the glass walls, including the design of the frames and wall copings. Ongoing engagement and discussion resulted in two design options.







Alternative design option 2 - Chamfered coping

The coping stone design originally put forward for consultation was a 'Soldier' course style. Consultation feedback received from some stakeholders indicated a preference for a chamfered coping, which was perceived to be more fitting for the location. Both coping designs are shown above.

Through further engagement and discussion with key partners including Kendal Town Council as co-funders of the additional glass panels along Aynam Road, a decision has been collectively made to progress with the original design option 1 of the Soldier course coping.



















GLASS PANEL UNVEILING – JANUARY 2022



Delivering and demonstrating a strong Partnership working message

Representation included:-

- Kendal Town Council
- Environment Agency
- VBA

CAPITA

- SLDC
- Flood Action Groups x4
- Pilkington supplier
- Sentry Glass supplier
- Flood Control supplier



CAPITA

IMPROVED VISUALISATIONS AND BRANDING



Kendal Flood Risk Management Scheme Retaining views of the River Kent

Proposed tree planting after 5yrs growth

Glassification defence panel

- We are currently drafting the legal agreement to facilitate the provision of financial contributions from SLDC and KTC for the glass panels, which will be subject to planning permission being granted
- South Lakeland District Council have agreed to pay fixed contributions to the Environment Agency of £250k (2022/23), £125k (2023/24) and Kendal Town Council a fixed contribution of £150k (2022/23-£35k, 2023/24-£35k, 2024/25-£40k, 2025/26-£40k) respectively towards the glass panel flood defences.
- The Environment Agency will pick up all other related costs regarding planning, design, purchase and installation, and will carry out future work to maintain the glass panels and flood walls as a flood defence.
- South Lakeland District Council will pay Kendal Town Council's £150,000 contribution as part of this
 agreement and receive reimbursement for Kendal Town Council's contribution through a separate
 agreement.











Overall objectives

- To retain and improve the open aspects of the riverside views along Aynam Road by increasing the total length of glass panels from 92m to 411m (137No x 3m panels) along Aynam Road.
- Change the glass panel specification from aluminium powder coated glass panels to an upgraded stainless steel
 specification glass panels in all three locations. The design principle along Aynam Road being to replace the approved
 flood wall above 1.2m in height with 800mm high glass panels located on a lower flood wall of varying heights.
- This will improve the open views along the riverside and to maintain a consistent specification across the scheme
- These changes will also be incorporated into the glass panel design at Gooseholme (35m) and Waterside (130m).

Glass flood defence Panel - specification

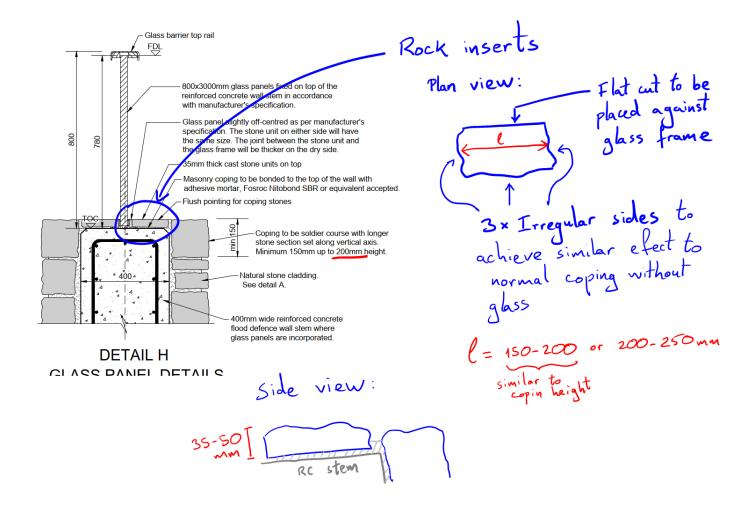
- Design of glazed panel flood defences, including support frames, posts and fixing arrangements to connect to supporting structures will be by the Environment Agency and agreed in consultation with Kendal Town Council and South Lakeland District Council.
- Design life of the glazing and associated structural supports shall be minimum 50 years.
- Design life of replaceable seals and fixings shall be minimum 25 years.
- Glazed panel installation shall be waterproof to its full height.
- Any specified maintenance, cleaning activities or additional products necessary for effective operation of the defences over the design life are wholly compatible with and do not cause damage to components.
- All material joints within the installation shall be mechanical and not rely upon water pressure or hydrophilic expansion.
- All structural and secondary support framing shall be suitably fixed directly to the structure of the flood defence walls, so that design loads are suitably transferred to foundation wall.
- All joints, seals and associated fixings within the glazed panel installation shall accommodate differential movement and that of the requisite construction and movement joints incorporated into the foundation wall.
- All structural and secondary support framing shall be arranged as such that all glazed panel edges are protected when installed.
- All glazing is laminated and/or toughened safety glass compliant with BS 6206: 1981 Class A and all other relevant BS, CE and industry standards.
- The overall system and each individual component shall be designed to withstand a 10kN
 point load impact to simulate potential debris damage, measured at a central location along
 the component 200mm below top level of defence, without causing structural failure or
 leakage.
- Where the design incorporates copings fixed to the top of walls at the lower edge of glazed panels, the support frames to be designed such that the top of the lower part of the frames are flush with the top of the copings. The Environment Agency has consulted with Kendal Town Council and South Lakeland District Council (as co-funder and planning authority) on the coping and stone facing to ensure an integrated design between the flood wall and the glass panels. As a result a glass flood defence test panel has been produced.

Glass - specification

| Component | | Description | | | | | |
|-----------------------|----------|--|--|--|--|--|--|
| Framing | Material | Stainless Steel - 316L | | | | | |
| Framing | Finish | Bead blasted Stainless steel | | | | | |
| Glazing | Material | Ultra-clear low iron glass | | | | | |
| Glazing | Finish | Premium self-clean coating on glass | | | | | |
| Glazing Interlayer | Material | Use of SGP (Sentry Glass Plus) between panes | | | | | |

| Component | | Description |
|-------------------------------|----------|---|
| Framing | Material | <u>European – Base Metal – Stainless Steel - 316L</u> |
| Framing | Finish | Bead blasted Stainless steel (Virgin beads only, to avoid contamination of the stainless steel) |
| Glazing-Central Glass Pane | Material | Ultra-clear low iron glass - Minimum 12mm Pilkington Optiwhite TM |
| Glass Panes | Finish | Premium self-clean coating on glass - 10mm Pilkington Activ TM Clear |
| Glazing Interlayer | Material | Use of 1.52mm SentryGlas®, single layer in sheet form SGP (Sentry Glass Plus) between glass panes |

Glassifice dudefence panel – design refinements





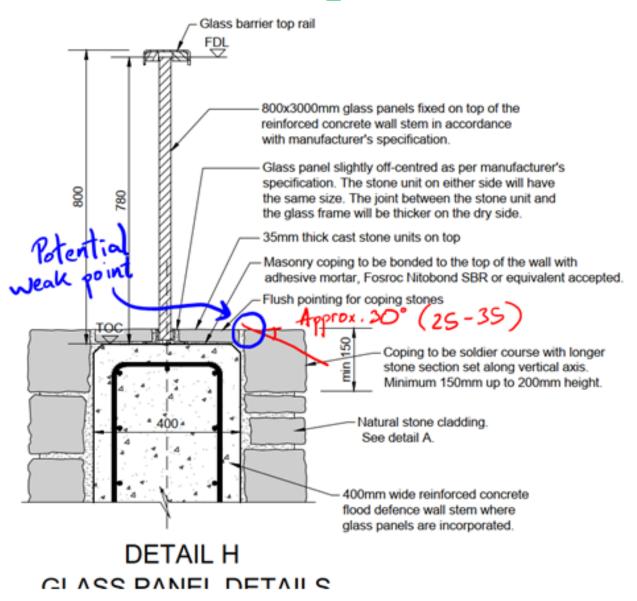








Glass flood defence Panel – design refinements



Glass 11000 defence Panel -



Glassification defence panel – timescales

| Activity | Kendal FRMS Phase 1 (Reaches G1, G2, G3, H1& F1) | | | | | | |
|---|--|----------------|--|--|--|--|--|
| | Start date | End date | | | | | |
| Detailed design | - | Sept 2022 | | | | | |
| Aynam Rd & Waterside new planning application | Feb 2022 | June 2022 | | | | | |
| Construction incl. landscaping | Summer/autumn 2022 | Spring 2024 | | | | | |
| Gooseholme new planning application | May 2022 | September 2022 | | | | | |
| Construction incl. landscaping | Summer 2022** | Spring 2024 | | | | | |

^{**} This start date is for river wall repair work at Chantry Gardens that the EA are carrying out in agreement and on behalf of SLDC to take advantage of the 'in river working window'







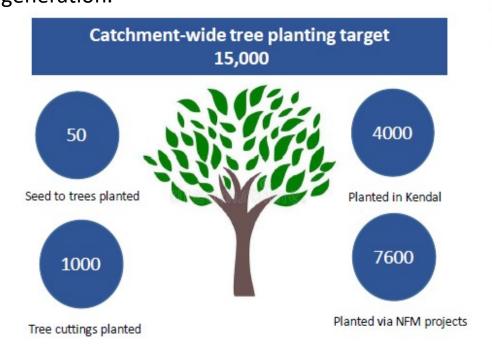


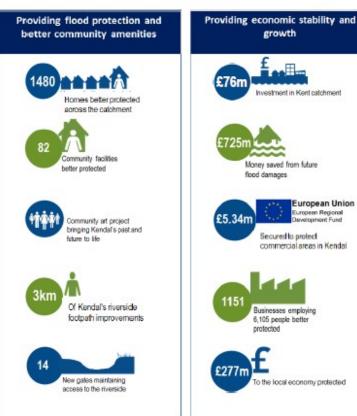


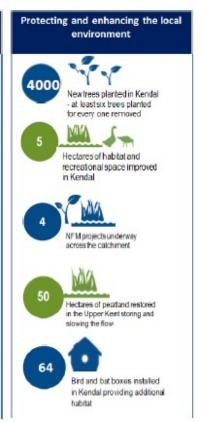
Kendal CERMS 2022 Benefits Being Delivered

- Kendal FRMS represents a major investment in flood risk management and climate change adaptation.
- The scheme is also providing benefit to the town economy through use of local businesses and skills during the scheme development, and reducing flood risk to businesses and transportation links over the longer term.

• Overall we want to see a net gain for biodiversity and the scheme will provide this through the development of new nature areas, planting of 4,000 trees in Kendal (and 15,000 in the Kent catchment), river restoration and peat regeneration.







Kendaling Phase of 2022 Tree Planting



Kendal Conservation Volunteers assisted in tree planting and creation of hibernacula structures at Helsington on 15th February.

46 trees have now been planted in this area, consisting of:-

- 34 Hawthorn
- 8 Oak
- 4 Beech

To-date we have planted a total of 323 trees over the completed reaches. This figure includes 21 heavy standard trees which have girths of 12-14cm and heights up to 4.5m.



Hibernacula Construction (Helsington)

Kendalin Phase 1022 Other Initiatives



Planting of cuttings with local schools

Tree Cuttings and Seed Collection

We are supporting community-based projects to collect tree cuttings and seeds.

To-date over 2,000 tree cuttings and over 100 seeds have been taken from trees along Aynam Road and Waterside.

With the help of Kendal Conservation Volunteers and other local groups these are being grown-on for further replanting.

Tree planting across the Catchment

In addition, we have supported Natural Flood Management projects which have planted over 7,500 trees to date.



Tree planting at Birds Park

Getting in touch and keeping up to date





Kendal Flood Risk Management Scheme



Volker Stevin Engage - Kendal Flood Scheme App



Join many others who now access Kendal flood scheme information by downloading our new Flood Scheme App.

The new App provides you with real time information on scheme progress.

Scan the QR to download VolkerStevin Engage. Available from both Apple and Google Play.

It's the easiest way to keep up to date.

To find out more about the Scheme App visit The Flood Hub https://thefloodhub.co.uk/kendal/#section-13



03708 506 506 KendalFRMS@environment-agency.gov.uk

Keep up to date

www.thefloodhub.co.uk/kendal www.thefloodhub.co.uk/upperkent

EnvAgencyNW VolkerEngage App















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| No | App No/Type | Address/Proposed Development | Comments to SLDC | Observations/Recommendations |
|----|--------------|---|------------------|------------------------------|
| 1 | SL/2022/0163 | Waterside and Aynam Road Erection of flood defences along Waterside and Aynam Road. Amendments to Reaches G1, G2, G3 and H1 of the Kendal Flood Risk Management Scheme approved under reference SL/2018/0925. | 31 March 2022 | |
| 2 | SL/2022/0178 | 28 Larch Grove Single storey front extension | 23 March 2022 | |
| 3 | SL/2022/0179 | 30 Larch Grove Single storey front extension | 23 March 2022 | |
| 4 | SL/2022/0176 | Brewery Arts Centre, 118-120 Highgate Replacement illuminated digital screen display hoarding | 28 March 2022 | |
| 5 | SL/2022/0186 | 26 Strickland Court, Windermere Road Replacement UPVC windows and doors | 28 March 2022 | |
| 6 | SL/2022/0191 | 14 Back Lane Erection of a front boundary wall (Retrospective) | 29 March 2022 | |
| 7 | SL/2022/0177 | 16 Stonecross Road Demolition of single storey garage & | 30 March 2022 | |

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| | | erection of a 2-storey side extension | |
|----|--------------|---|------------------|
| 8 | SL/2022/0202 | 48 Natland Road (note property is incorrectly addressed on application) Two storey side & single storey rear extensions. | 31 March 2022 |
| 9 | SL/2022/0108 | 6 Cliff Terrace Replacement windows & roof lights, new rear roof light & alterations to kitchen window & back door openings | 4 April 2022 |
| 10 | SL/2022/0217 | Netherfield Sports And Social Club, Parkside Road Raised decked area on existing patio enabling better disabled access to the Sports and Social Club | 4 April 2022 |