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Water**

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Welcome

Thank you for attending today's event about our proposals for the future of the water supply to customers in Fort Augustus and Glenmoriston.

With our delivery alliance partner, Efficient Service Delivery (ESD), Scottish Water has been developing investment plans to ensure that we can continue to provide clean, safe, fresh drinking water to our customers locally in the years ahead.

Our plans include improvements to the security of water supply for both communities.

The objectives of today's event are:

- To provide information on our plans
- To discuss how we can manage the impact of construction work
- To answer questions and discuss any concerns

We have information on:

- Where work will take place
- The approximate duration of the work
- The stage we have reached in the planning process
- What the proposed investment means for you
- What happens next and how you can keep in touch

We want to continue to keep in touch as our plans progress and will post regular updates on our dedicated webpage:

www.scottishwater.co.uk/LochNess



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Overview

The map below shows an overview of our proposals, including the location of the new Water Treatment Works, storage tanks and pumping stations.



High level overview of Scottish Water's investment proposals for Fort Augustus and Glenmoriston.

Once the proposed new infrastructure has been built, the existing Water Treatment Works near Loch Tarff would no longer be required. A new pumped distribution main is proposed to supply water to customers above the village on the B862. The existing Water Treatment Works at Invermoriston would be converted to provide additional storage capacity.



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Why is investment needed?

There are a number of factors that are driving the proposed investment for Fort Augustus and Glenmoriston.

- Both existing Water Treatment Works need to be replaced to ensure we can provide clean, safe and fresh tasting water for many years to come
- The current arrangements do not provide enough water for Fort Augustus or for Invermoriston to meet summer peak demand, meaning we currently need to import water by road tanker at busy times
- We need to be able to accommodate housing growth and high seasonal demand from tourism in both communities
- Both existing Water Treatment Works present a range of operational challenges, including the regular requirement to change carbon filters and lack of welfare facilities for operators
- The existing pipeline canal crossing in Fort Augustus also needs to be replaced to improve security of supply for the whole of the village





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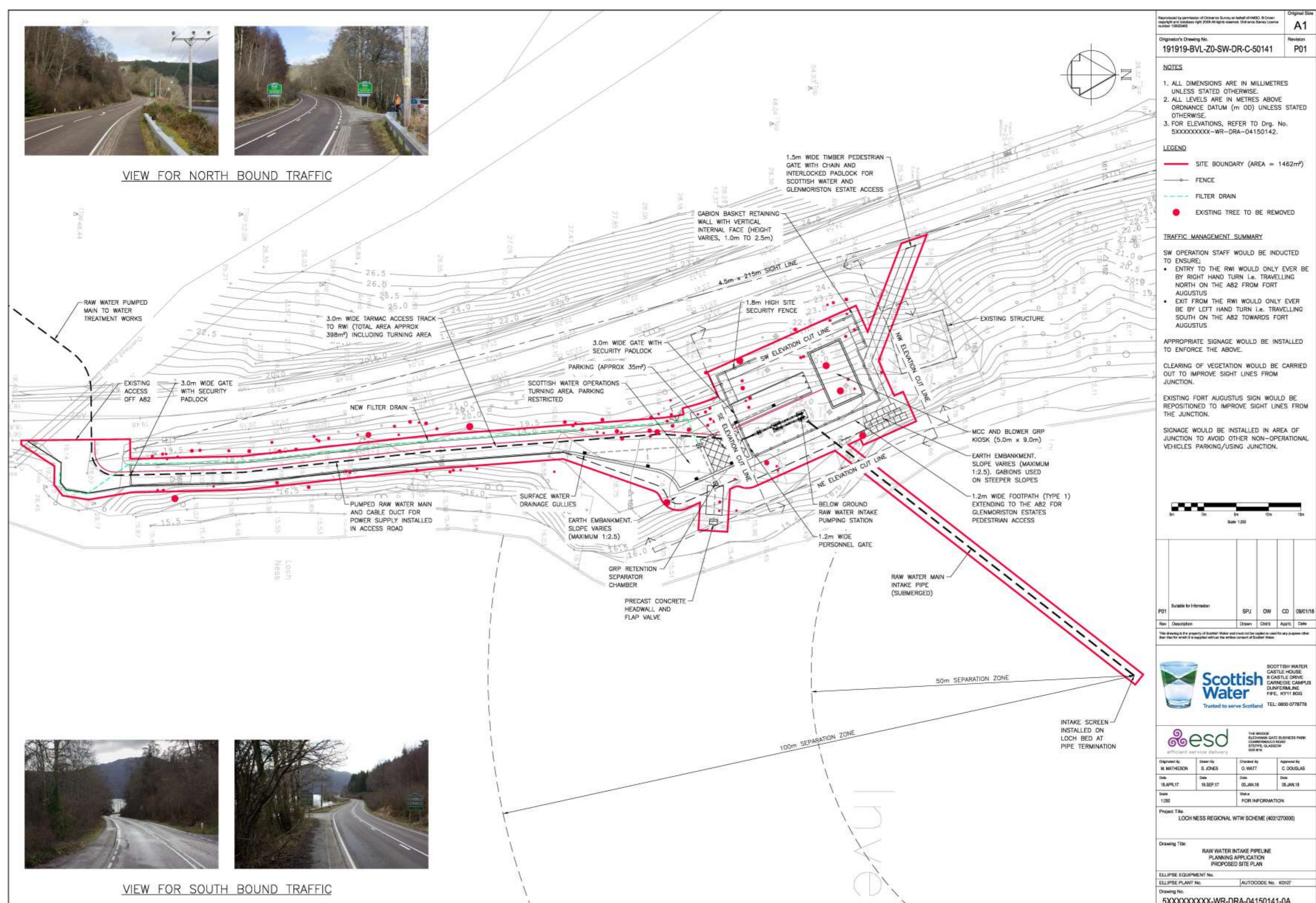
Water Intake on Loch Ness

The proposed source of raw water for the new Water Treatment Works is Loch Ness, like the existing Invermoriston supply.

A site for the new water intake has been identified alongside the old Invermoriston Pier, just south of the village on the A82.

The intake would consist of a 75 metre pipe, submerged beneath the loch's surface. A screen structure would prevent debris or small fish being drawn into the end of the pipe.

A small kiosk would also be built on the shore to control the intake and the associated underground pumping station.





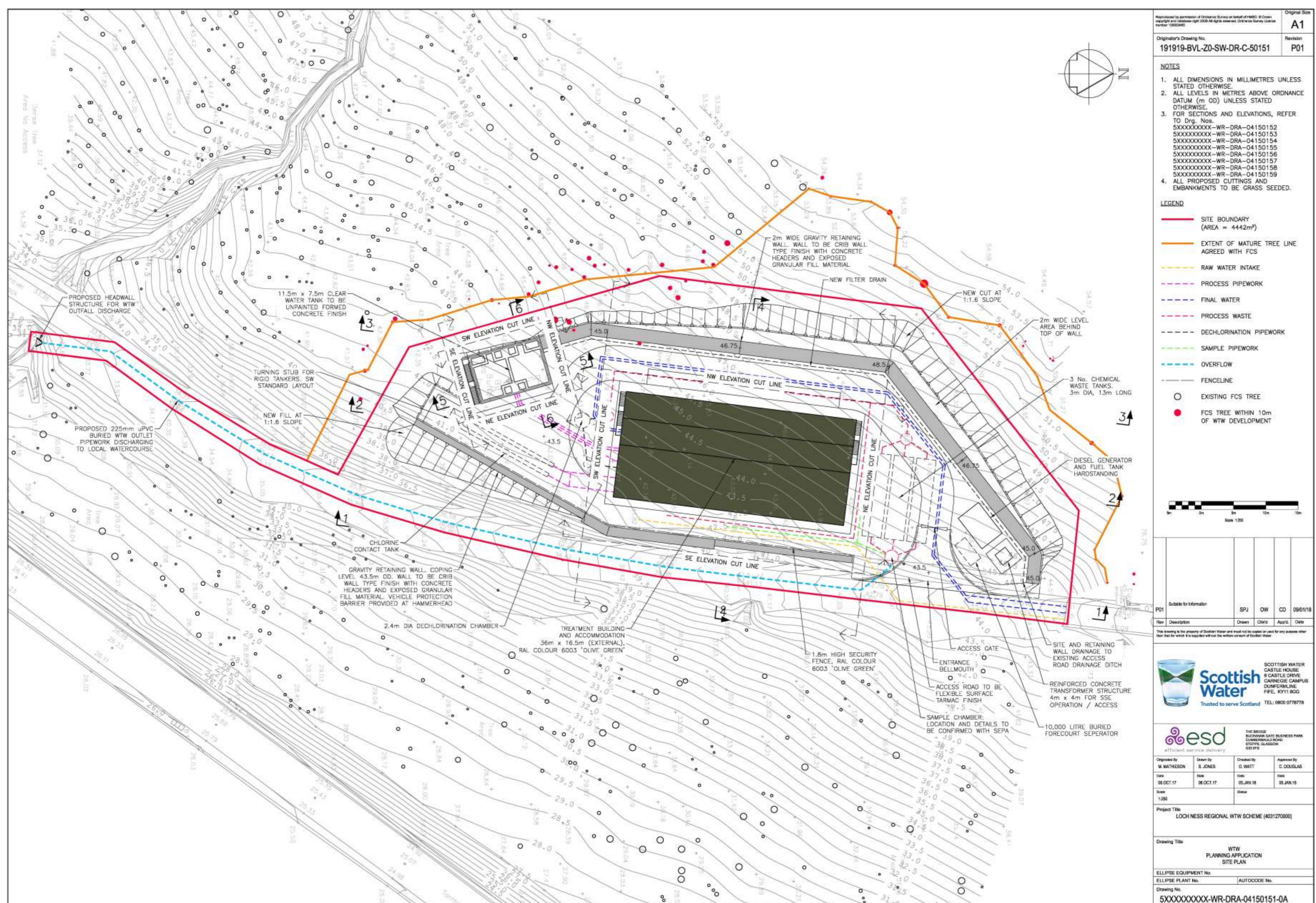
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New Water Treatment Works

From the intake on Loch Ness, water would be pumped to a new Water Treatment Works, located in forestry to the south on the other side of the A82.

The proposed pipeline would use an existing pipe clearing on the hillside above the water intake and then follow the Great Glen Way forestry track to the site of the new Water Treatment Works.





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Water Treatment Process

The new Water Treatment Works will be supplied by Ross-shire Engineering and assembled at their specialised factory in Muir of Ord, before delivery to the site.

The new works will have capacity to produce up to 1,000,000 litres of drinking water per day and will be supplied by an abundant source of raw water from Loch Ness.

Nano-filtration membranes

The main treatment process involves passing the raw water through a series of membranes which filter out larger organic compounds while allowing clean water molecules to pass through very fine pores.

The water that has passed through the membranes is then treated further to ensure that it meets customers' expectations and remains safe to drink all the way to the tap.

Chloramination

The new Water Treatment Works will use a process called chloramination to kill any micro-organisms present. This is a change from simple chlorination which is currently used.

Chloramination is already used to provide safe drinking water to over 1,000,000 customers across Scotland, including in Inverness, Fort William, Kyle of Lochalsh, Aberdeen and Edinburgh.

A factsheet with further information about chloramination is available at today's event.



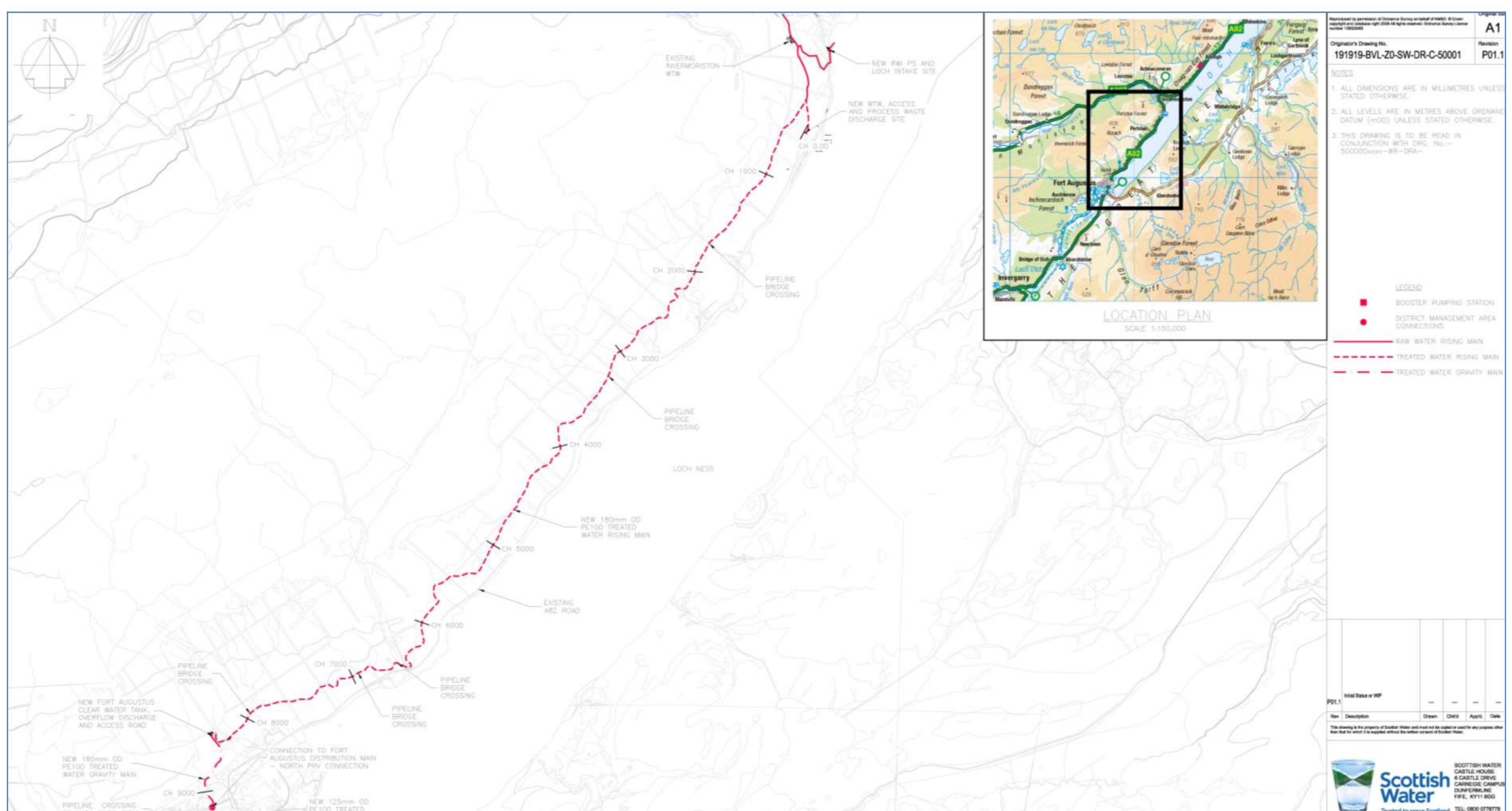
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Treated Water Main

New pumped water mains would be laid from the new Water Treatment Works to storage tanks at Fort Augustus and Invermoriston - a distance of around 8km.

The pipeline route has been designed to follow the Great Glen Way track on the hillside above the A82.



Great Glen Way

Engagement is continuing with Forestry Commission Scotland and the Highland Council to ensure that appropriate measures are in place during pipeline installation in order to minimise disruption to users of the Great Glen Way.

As during felling operations, it is proposed that this section of the Great Glen Way will be diverted to the alternative, higher route.



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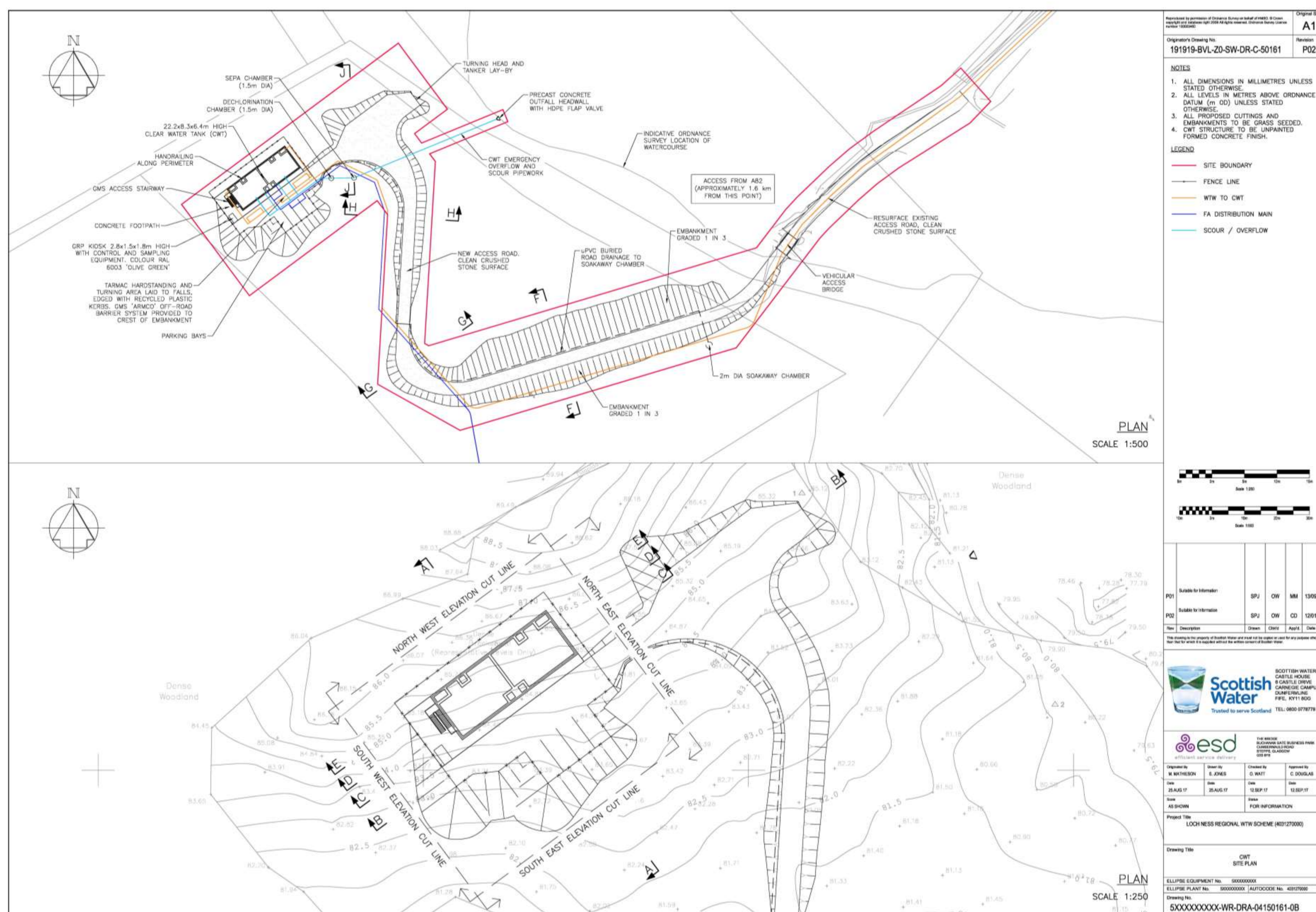
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Water Storage Tanks

A new storage tank for treated water is proposed to be built in an existing forest clearing on the hillside north of Fort Augustus.

Additional water storage capacity would also be created at Scottish Water's current site in Invermoriston, ensuring improved security of supply for customers in both communities.

The site for the new tank to serve Fort Augustus would be accessed from the Allt na Criche turning on the A82. A new access track would be created on the final approach to the site.





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Local network improvements

The new infrastructure is designed to link with the existing local water networks in Fort Augustus and Glenmoriston.

A new gravity main is proposed in Fort Augustus to connect the new storage tank north of the village to the existing network.



River and Canal crossings

This work will include new drilled crossings beneath the River Oich, Caledonian Canal and River Tarff.

At either end of each drilled crossing, a temporary working site will be created to allow this to take place. The crossings will enable the pipes to run securely beneath the canal and rivers without disturbance to them.



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Pumped main on B862

We will also need to install a new pumped water main, with two pumping stations along the B862, east of Fort Augustus.

This work is needed to maintain supply to a number of customers above the village on the B862, along the route of the existing pipe from the current Water Treatment Works.

In order to keep disruption to the B862 road surface to a minimum, the new water main will be installed using slip-lining, which involves feeding the new smaller pipe into the existing larger pipe.

Two booster pumping stations will be built near the roadside and connected with the new distribution main to transport water up the hill to customers' homes.

Road impacts

Some phases of our work will require periods of disruption to the A82 and the B862. In order to complete this work safely, we will need to use traffic lights and other suitable traffic management arrangements. As noted above, using our existing pipes in the B862 to 'slip line' the new water main will keep the need for excavation of the road surface to a minimum. Work in the A82 will be carefully planned with the roads authorities and details will be publicised once agreed.



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Traffic management

We are committed to managing our construction traffic in order to reduce disruption to the local community and keep everyone safe.

Appropriate speed: The 4 main project sites are accessed from the A82 and via forestry tracks. Drivers will be briefed on the route to the site and asked to drive with particular care when passing through Invermoriston and Fort Augustus. Clearly marked speed limits will be in place on forestry tracks and drivers will be alerted to any areas where they may encounter walkers and cyclists.

Communication: Where work is taking place within Fort Augustus and traffic will need to use roads other than the A82, we will write to residents on the affected streets to inform them of the specific arrangements in place before construction begins.

Timing of deliveries: Where construction traffic will need to pass Kilchuimen Primary and Academy, we will seek to avoid school opening and closing times; and work with the school to ensure any other appropriate measures are in place.

Abnormal loads: There will be a small number of abnormal loads on the A82 between Inverness and Invermoriston, associated with the delivery of the new Water Treatment Works to the site in pre-fabricated modules. These deliveries will be coordinated with the roads authorities to reduce disruption, where possible, and we will publicise arrangements to allow other road users to plan their journeys. Building the new Water Treatment Works off site in Muir of Ord significantly reduces the total volume of traffic associated with the construction process.



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What happens next?

Scottish Water has submitted planning applications for the three development sites associated with these proposals.

There are also several smaller planning applications which are linked to pipe crossings of burns along the route of the new water main between Invermoriston and Fort Augustus; and booster pumping stations on the B862.

Full details of all planning applications are available via the Highland Council's e-planning portal.

Subject to the outcome of the planning process and resolution of any conditions which are placed on us, we hope to begin work in the coming months. We may bring forward some work that does not require planning consent where it can deliver early benefit to customers.

The work will be phased, as there are several elements which need to be delivered in sequence. In total, we expect the work to take two to three years to complete.

Will the work involve disruption to water supplies?

The design of the scheme means that there should be little, if any, disruption to your normal water supply while our work is taking place.

If any planned interruption to supply is required, it is expected to take place towards the end of our work.

In the event that we do need to plan a short term interruption to your normal water supply, we will let you know at least 48 hours in advance.



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Keeping in touch

Scottish Water and ESD are committed to keeping you and the local community fully informed and engaged with the work we are doing.

We hope today's event has given you an understanding of our plans and an opportunity to discuss any questions or concerns.

Scottish Water is a publicly owned company, accountable to the Scottish Parliament and the people of Scotland. We operate within a strict policy and regulatory framework, but we are making this investment for our current and future customers in this area. We are keen to work with you to minimise any short term disruption this involves.

Volunteering programme



Every Scottish Water employee can take up to 2 days a year to get involved in education, conservation or community activities.

Get in touch if there are volunteering opportunities locally that you think could benefit from our support.

We would be pleased to receive your feedback on today's event. You can keep in touch at any time using these details:

Website: www.scottishwater.co.uk/LochNess

Email: help@scottishwater.co.uk*

Call: 0800 0778 778*

*Ref: Capital/403127/esd



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Your feedback

We are keen to receive your feedback on any aspect of our proposals. If you have any comments or questions which you would like us to address, please note them below:

Your name: _____

Your address: _____

Telephone: _____

Email: _____

Return to: Gavin Steel, Scottish Water, 31 Henderson Drive, Inverness, IV1 1TR