

**Meola Stream Community Liaison  
Group**

**Date of Meeting:** 14 December 2016

**Meeting Number** 2

<b>Attendees:</b>	<u>Name</u>	<u>Affiliation/Interest</u>
	Alistair Shanks	Facilitator/Secretary
	Stephen Grace	Watercare
	Joby Barham	Auckland Council Parks
	Pat Prescott	STEPS
	Bojan Jovanovic	Watercare
	Elizabeth Walker	STEPS
	Graeme Easte	Local Council Board
	Rebecca Barclay	Auckland Council
	Simon Davies	Pt Chevalier Sea Scouts
	Philip Johansen	Auckland Council Stormwater
	David Ward	Watercare CI Project Manager
	Alice Rieger	Environmental Scientist
	Bevan Tse	Home Owners and Buyers Association
	Andrew Chin	Strategy & Resilience Manager for Healthy Waters, Auckland Council
<b>Apologies:</b>	Peter Trafford	Watercare
	Frank Koenen	Mt Albert Grammar School Property Manager
	Martin Ball	Pasadena Intermediate School

**Venue:** Garlic Room, Mt Albert YMCA

<b>NO.</b>	<b>ITEM</b>	<b>ACTION</b>
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**1. Minutes of the Meeting held on 4<sup>th</sup> July 2016**

These were approved as correct subject to the following amendment under section 3.1 Lyon Avenue:

“Planting is to be designed for this area. The site is on a flood plan and basalt. It is a large and complex site. The shaft here will be about 50m deep and 7.5m in diameter. The large diameter is required for ventilation”

**2. Update by Watercare**

It was reported that most of the engineering design will be completed by the end of January. The work will then go out for tender. It is projected that the construction work will commence at the southern end in 2018 after a contract has been let. Work will

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	<p>get to the Mays Road end in about 2021. The Miranda Street to Mays Road part will be constructed by 2023, and the remaining northern section in 2026.</p> <p>There is still geotechnical work to be undertaken in the Chamberlain Park area as a result of a peer review that has identified further test bore holes should be drilled.</p> <p>In the Rawalpindi Reserve area Council plan to construct walkways which will be located as far as practical with consideration to the Watercare proposed works. Some reinstatement work will be required by Watercare when it undertakes its work in 4 -5 years time.</p> <p>Discussion was held on how Watercare can best articulate its proposals to STEPS. Drawings are still a work in progress and will not be released too early as this could effect the tender process. It was thought that schematic drawings would be the best for future meetings to identify surface features. Drawings of interest will be for the construction phase identifying interim effects and for the final phase identifying permanent effects.</p>	
	<p>Watercare is to have separate meetings with STEPS to keep them informed and to discuss how best to transmit information to STEPS.</p>	<b>Watercare</b>
<b>3.</b>	<b>Healthy Waters Update</b>	
	<p>Andrew Chin explained that Council will not be looking at day lighting streams until the wastewater overflows have been mitigated by the construction of the Central Interceptor. Then opportunities for day lighting will be able to be identified and design work undertaken. Day lighting will be a much smaller and quicker project than the Central Interceptor.</p> <p>In the combined sewer areas there will be a joint planning team with Watercare with the aim to maximise the benefits from the Central Interceptor.</p> <p>In day lighting there will be issues with erosion and impacts on private property. The focus will be on opportunities in public land. There is concern about the need of piping overflows around schools. Local schools can be keen for day lighting but the Education Department may be concerned about health and safety issues. Opportunities that alleviate flooding or provide for growth will have a case for their implementation.</p> <p>The impacts of the Central Interceptor on Meola Creek have been considered. Base flows, overland flows and greater than 1 in 10</p>	

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year storm flows will still go into the creek, which will flush the creek. The piped combined sewer storm flows up to a 1 in 10 year storm will go into the Central Interceptor.

There was concern expressed that as development progresses with more apartments under the Unitary Plan, that the Central Interceptor will not be ready in time. Currently peak stormwater flows from developments have to be limited to the current peak flows. Sewer separation, soakage or new stormwater pipes are also being considered with each new development. These will progressively take the stormwater load off the combined sewers. For example in development in the Three Kings area, stormwater is being separated out into soakage.

Near Haverstock Road there is a new Housing NZ development of about 50 units and another large development in Wagner Place. Healthy Waters are to report back to the group on how the stormwater is or will be handled from these developments.

**Healthy Waters**

#### **4. STEPS**

##### **4.1 Planting Plans**

These do not seem to be well developed. Detailed planting plans will be brought to future meetings.

**STEPS**

##### **4.2 Signage**

Joby Barham from Council is leading signage replacement. The sign locations will be impacted by the project.

STEPS were concerned at the lack of progress with the signs and that the allocated Council budget will not roll over after the end of June. Assurances were given that the signage work would be undertaken this year. Time is being taken to ensure the signs are done properly.

It was questioned if the Council have standard vandal proof signage. Current signs with a perspex cover are easily damaged. It was reported that the Council have a standard for signs which includes a composite sticker on aluminum which is cheaper to replace.

#### **5. Other Matters**

##### **5.1 Chamberlain Park**

Graeme Easte outlined how he was wanting to see Chamberlain Park developed during this term of Council. The development would

**NO.****ITEM****ACTION**

include work in the creek. There is now funding for \$1 million. This work will involve some open creek, some area of land filled for the motorway and some earthworks. Concern was raised that solids could flush into the proposed wetland. This work is being considered by the Healthy Waters arm of Council.

**5.2 Shaft Sites**

Watercare presented an overall plan with five sites for shafts into the tunnel. These sites were discussed in more detail.

**Mt Albert Site**

This is to be located by the carpark of the YMCA complex. The existing Meola Creek is culverted under this area and the Branch 8 Watercare sewer passes through the carpark, and will drop into the tunnel at this location. At this location electrical equipment will be in a small plant room located above ground. There will be access chambers at ground level. There will be occasional visits by small vehicles to the plant room, but no access to the tunnel.

**Lyon Avenue Site**

Currently the egg shaped Edendale Branch Sewer in this location carries wastewater onto the Mangere Wastewater Treatment Plant. Excess flows in wet weather in the future will drop into the tunnel at this site. Originally the design was for two shafts here, but this has been changed to only one shaft which will reduce the area of land required. An area will be needed for the construction works. This will be temporary and its size dependent on the contractor, but will be kept as small in area as practical. Access will be through the Morning Star area.

There will be a retaining wall about two to three meters high in the area to contain the works above the existing spillway invert. The shaft will be 7.5 meters in diameter. It has been modeled at Auckland University. This is to get the flow into the tunnel and the displaced air out of the tunnel.

There will be a small single story building to house equipment above flood level. The retaining wall will be screened by trees. It can be painted green and covered with creepers.

The aim is to minimise the permanent footprint in this area.

<b>NO.</b>	<b>ITEM</b>	<b>ACTION</b>
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### **Haverstock Road Site**

The overflow here will be diverted into the tunnel. There will be a control facility here so flow can be diverted back into the creek and there will be a small above ground plant room.

There are possibilities on this site with the Special Housing developments to day light part of the creek. Further details need to be developed.

### **Rawalpindi Reserve Site**

Council Parks and Watercare are liaising together in this area so the above ground works will accommodate their future plans.

There is currently a grit chamber on this site. A link sewer will be through the site. A small plant room is proposed here.

### **Norgrove Avenue Site**

There are currently small above ground structures in this area. The flows here will be redirected into a link sewer. This area will be difficult for trenching because of the rock in the area.

## **5.3 Miscellaneous**

The Orakei Main Sewer and the Eastern Interceptor will have flows reduced in them as a result of diversion of flows into the Central Interceptor.

The flow in the Western Interceptor will be reduced in the future when some of the flow is diverted to the Rosedale Wastewater Treatment Plant.

The Manukau Harbour Restoration Society were concerned about the age of the wastewater arriving at Mangere for treatment. The Central Interceptor is a shorter route for much of the wastewater to get to Mangere so this part of the wastewater will be fresher than if it had travelled through the city and eastern suburbs on its way to Mangere.

## **6. Next Meeting**

This is proposed in March or April 2017. Notification will be sent out once a date is determined.

### Ongoing Actions

Meeting Number	Action	Responsibility	Response
1	ESR and St Lukes Apartments to be invited to group	Watercare	Done
1	Discussion on day lighting	Healthy Waters	Discussed at meeting 2
1	Discussion on future creek flows	Healthy Waters	Discussed at meeting 2
1,2	Draft planting plans to be presented	STEPS	
2	Meet with STEPS to discuss best method of communication of plans	Watercare	
2	Stormwater from two developments in Meola Creek to be discussed	Healthy Waters	