

Minutes of Meeting

Final

Secretary email:

aldshanks@gmail.com

**Meola Stream Community Liaison
Group**

Date of Meeting: 8 August 2017

Meeting Number 4

Attendees:

Name

Affiliation/Interest

Alistair Shanks

Facilitator/Secretary

Stephen Grace

Watercare

Alan Nicol

St Lukes Garden

Pat Prescott

STEPS

Elizabeth Walker

STEPS

Graeme Easte

Local Council Board

Sel Arbuckle

STEPS

June Cade

STEPS

Bernice Chiam

Watercare

David Ward

Watercare CI Project Manager

Rhianna Drury

Auckland Council

Andrew MacKintosh

STEPS

Apologies:

Roseline Klein

Watercare

Roger Levie

HOBANZ (for St Lukes Garden)

Bill Bennett

Chair St Lukes Body Corp

Belinda Drake

Pasadena School

Joby Barham

Auckland Council Parks

Frank Koenen

Mt Albert Grammar School Property
Manager

Venue:

Garlic Room, Mt Albert YMCA

NO.

ITEM

ACTION

Preamble

It was agreed that minutes would be issued as a draft until they are approved at the following meeting. After amendment and confirmation at the following meeting, they will then be reissued as final minutes.

Watercare is also developing a portal (like a new web site) for all the documents. This will have restricted access and members will be invited to access it and have a pass word for this purpose.

1. Minutes of the Meeting held on 10 May 2017

These were approved as correct subject to the following amendment under Section 4: "STEPS requested that the plant

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species list for Roy Clements Treeway needs to be drawn up in association with STEPS, noting that a 2020's ecological planting list could look different from what exists on any of these sites at this time. (Note the draft Lyon Ave site plan plant list needs to be rewritten.)”

2. Update by Watercare

Draft site plans were presented and discussion had on each one.

It was considered that sites could be viewed as a treeway or corridor for birds and insects within the city, rather than islands.

Lyon Ave Site

A 3D presentation of the site will be developed to make it easier to visualise. Concern was expressed at the number and type of tree species listed. STEPS are to prepare a list of suggested species. The numbers of each tree was thought to be a detail that should be developed later. It was suggested that the planting schedule at this stage be changed to “Indicative Planting Schedule”. The plan shows the final form of the structures, such as retaining walls and chambers. The extent of the site has been restrained. Rock gardens will help to screen structures.

STEPS

There are security concerns for the St Lukes residences nearby. Pathways will need to be left open in case of flooding. The residents are considering video cameras with signage notifying people that they are being recorded.

Mt Albert Memorial Reserve Site

This area is currently mostly paved and is a busy site with regular users of the area. It will be reinstated after the works to a similar layout.

The site is for a link sewer connection into the main tunnel. The Meola Stream is in a box culvert under this site. There are aspirations to day light the stream in this area. Watercare stated that because they are preparing documents for a contract, works have to be clearly shown so the contract can be efficiently administered.

Haverstock Road Site

The site goes from Haverstock Road through to Camden Road. The works will intercept the overflow by Haverstock Road and drop it down a shaft into the tunnel. There will be a small plant room above ground on the site.

The adjacent site will not be developed as it is an overland flow

NO.	ITEM	ACTION
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path. Healthy Waters are proposing scruffy domes to drop stormwater into the local stormwater culvert, while maintaining the swampy area as a wetland. There are natural springs behind the site. Flax was shown in the swampy area.

Watercare will need some of the site for structures and access. There will be a strip for all weather vehicle access. This will be grassed with a geo-grid under it. Plant and Food Research, who are adjacent to the site, could have security concerns relating to the area.

STEPS would like to provide a planting species list for this site.

STEPS

Norgrove Avenue Site

The reserve is called Norwood Reserve. The road used to have this name, but was renamed without changing the name of the adjacent reserve.

The end of the box culvert of the Meola Stream discharges here, with a smaller natural stream flowing into the area as well.

The works on this site will be a shaft at the end of the street to divert the overflows in the area into the tunnel. There will be an outfall constructed for use if the control gate is closed, a small above ground plant room, and some permeable paving for access. There was a desire to see a rock forest in this area.

There are community aspirations for a bridge over the stream and a walkway along the side of the golf course on the opposite bank.

Rawalpindi Site

The plan for this site was not presented.

Roy Clements Treeway Enhancement Plan

A draft had been prepared and distributed to the group.

STEPS envisaged that here will be pathways and big trees. It is hoped that there can be a consistent plan for the whole area, including the five shaft sites. The timing of the planning is critical to make it work for Watercare and the community.

The local board have been asked for a Meola Strategic Plan. This needs to include the plans envisaged by Healthy Waters.

The creek is currently considered by Council as two parts because of the 1.6km of culverting in the middle. Sites could be linked with

NO.	ITEM	ACTION
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signage and indicated ways for walking between the sites.

Watercare can modify its plans to be aligned with the vision of Council and STEPS, but the timing is critical for this to happen. The basic elements of the enhancement plan need to be developed.

Watercare requested that plans and the basic elements be developed for the next meeting. Rhianna and Liz are to develop the elements they see for the Enhancement Plan.

**Liz,
Rhianna**

3. Watercare Sustainability Goals

Bernice gave a presentation on the sustainability aspects of the Central Interceptor project. These included:

Design Improvements

Improvements resulted in the reduction of the number of link sewers and permanent shafts as the design progressed from conceptual to more detailed design. It was found that the proposed shaft at Kiwi Esplanade in Mangere Bridge was not required. This is an area used by birds and pedestrians.

Improvements have resulted in the reduction of the permanent footprint required at the various shaft sites. At Lyon Avenue the footprint is now much smaller.

Consideration is being given to improved concrete mixes which could lead to a saving of 20,000m³ of concrete for the project. This would be achieved by making concrete that is more corrosion resistant to the wastewater. If the rate allowed for corrosion is 1.5mm per year, for a 100 year life the tunnel needs to be an extra 300mm in diameter. Savings can be achieved if this could be reduced.

Energy Optimisation

If the existing sewers are used as much as possible, less volume of wastewater will need pumping at Mangere. Once the tunnel is in operation, the condition of the various existing sewers will be checked and reused as much as they can practically.

Spoil Reuse

About 30% of the spoil can be reused as cover for the biosolids operations on Puketutu Island. As the island is close to the tunnel end, this will minimise transportation of the spoil as well. Some of the Hobson Bay spoil has been used successfully to enhance the bird roost areas at Mangere.

Next Steps

Further sustainability gains will be possible by considering the sources of materials used in the construction works, maximising the

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use of renewable energy, and the minimising the construction waste going to landfill.

It was suggested that the presentation could include design aims regarding minimising impervious areas.

Other Watercare Projects

4.

A video was shown of the construction of the Glen Eden wastewater storage tank. This was on a restricted site and involved sinking a shaft as part of the tank construction. It involved constructing concrete walls, and construction crane and concrete pump usage in a small site area.

Other similar projects undertaken by Watercare were the construction of the Kohimarama wastewater storage tank and the Fred Thomas Drive wastewater storage tank.

All these projects involved sinking a shaft in a manner similar to what is likely to be undertaken on the Central Interceptor shaft sites.

Healthy Waters

5.

The site visit to Artillery Drive in Papakura will be in mid August.

STEPS Update

6.

It was reported that STEPS had meet with the local board. STEPS is wanting to see an aligned strategy that includes Healthy Waters, Watercare and Auckland Council. With five Meola sites and Chamberlain Park, there are many separate sites being worked on and a “big picture” is needed.

Regarding the Albert Eden Local Board’s plans at the north end in Chamberlain Park, STEPS supports restoration of the creek. This should be included in the overall strategy plan.

STEPS is working on the draft Roy Clements Enhancement Plan. This will identify which improvements from the “big picture” are achievable in the near term.

The annual planting day was on 21st May.

STEPS are discussing the merits of scruffy domes and would like to see more of them, especially in the upper creek above Haverstock.

NO.	ITEM	ACTION
7.	Other Matters	
	7.1 Interaction with the Public	
	Discussion was held on how to engage with the general community. There was consideration of having an open day. STEPS indicated they could be involved in this. It was thought a communication plan should be developed as part of the enhancement plans.	
	The actual work by Watercare on the various sites is likely to be five or six years way. The shafts will only be sunk when they are needed according to the construction schedule, so they do not sit there unused for a long period of time.	
	Public engagement is to be on the next meeting agenda.	Secretary
	7.2 Local Soils	
	It was requested that local soils be returned to the same site after the construction works are complete. Generally as far as practically, the top soil will be stripped off a site, stock piled somewhere, and then returned to the site as part of the landscaping and reinstatement works.	
	The group requested that the return of the same soil to where it came, from be considered.	Watercare
8.	Next Meeting	
	This is proposed for late November 2017. Notification will be sent out once a date is determined.	

Ongoing Actions

Meeting Number	Action	Responsibility	Response	Status
1	ESR and St Lukes Apartments to be invited to group	Watercare	Done	Closed
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		Closed
2	Meet with STEPS to discuss best method of communication of plans	Watercare	On going	
2	Stormwater from two developments in Meola Creek to be discussed	Healthy Waters	Discussed generally at meeting 3	Closed
3	Draft Roy Clements Treeway Enhancement Plan to be developed and distributed for comment	Watercare	Ongoing	
3	Site visit to Artillery Drive (a stormwater tunnel project in Papakura)	Healthy Waters		
3	Discussion of sustainability aspects of CI at next meeting	Watercare	Done at meeting on 8 August 2017	Closed
4	List of suggested species be prepared for each site	STEPS		

4	Basic elements for Enhancement Plans be developed	STEPS, Healthy Waters		
4	Retention of top soil especially at Lyon Ave	Watercare		