Watercare
An Auckland Council Organisation

Central Interceptor Project

Minutes of Meeting
Final

Meola Stream Community Liaison Group

Date of Meeting:	4 July 2016	**Meeting Number** 1
Attendees:	Name	Affiliation/Interest
	Alistair Shanks	Facilitator/Secretary
	Stephen Grace	Watercare
	Joby Barham	Auckland Council
	Martin Ball	Pasadena Intermediate School
	Peter Trafford	Watercare
	Elizabeth Walker	STEPS
	Sarah Peters	Council Local Parks
	June Cade	STEPS
	Frank Kroenen	Mt Albert Grammar School
	Philip Johansen	Auckland Council Stormwater
	David Ward	Watercare
Apologies:	Pat Prescot	STEPS
Venue:	Taylor Room, Mt Albert YMCA	

NO.	ITEM	ACTION

1. Introduction

This was the first meeting of the Meola Stream CLG group (MSCLG). Everyone introduced themselves and outlined their interest in the area.

2. Purpose of the Meola Stream CLG

The purpose of the meeting was explained as it is defined in Schedule A Section 12A of the Designation Conditions as agreed on 3rd October 2014 before the Environment Court.

Condition 12A.4 states that the role of the MSCLG is to provide a forum to:

1) Facilitate communication and dialogue between Watercare, landowners and organisations with an interest in the Meola Stream

NO.	ITEM	ACTION

2) Provide input into the development of Reinstatement and Open Space Restoration Plans for the Meola Stream Central Interceptor construction sites

3) Discuss and review the scope of post construction monitoring of selected sites in the Meola Stream and at the stream mouth.

Condition 12A.6 states that Watercare is to provide opportunities for the MSCLG to review and comment on the following plans before they are finalised and submitted to Council:

1) Roy Clements Treeway Enhancement Plan

2) Tree management aspects of relevant Construction Management Plans

3) Reinstatement Plan for the Haverstock Road site

4) Reinstatement and Open Space Restoration plans for Motions Road, Rawalpindi Reserve, Norgrove Avenue, Mt Albert War Memorial Reserve and Lyon Avenue sites.

The final plans are to include the comments and responses on these plans.

Watercare will prepare drafts or outlines of these plans and then circulate them for MSCLG comment. A second meeting of this group will then be convened after this work has occurred on some of the plans. This is likely to be in late November.

It was questioned if ESR and St Lukes Garden Apartments should be part of the MSCLG.

Watercare

3 Update By Watercare

A video was shown of the Central Interceptor (CI) construction proposal.

The purpose of the CI is to provide for growth, duplicate or replace aging pipelines, and to reduce wastewater overflows in wet weather.

Watercare is currently undertaking the detailed design for the CI tunnel and shafts. The combined sewer overflow (CSO)

connector sewers will be a separate project.

Watercare has been undertaking geotechnical investigations, manhole surveys, wastewater sampling and modelling, ground water sampling, briefing the local boards, having workshops with NZTA, KiwiRail, AT, Worksafe, Mines Rescue and NZFire Service, and taking part in planting days.

3.1 Specific Sites

Most of the structures will be underground. This makes it harder for maintenance. Some of the areas are flood prone. Generally equipment is better above ground level. All the shafts will have access, but for health and safety reasons generally cameras or robots will be used instead of people for inspections.
The tunnel will be kept under negative pressure so any odourous air will be sucked to Mays Road or Mangere for treatment.

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. The top of the shaft will be flush with the SLGA car-park.

Haverstock Road
A similar sized shaft as at Lyon Ave is proposed. Boffa Miskell are designing a planted area at this location.

Mt Albert War Memorial Reserve **Philip Johansen**
It was asked if the creek in this area could be daylighted. Auckland Stormwater are to consider this.
There will be several shafts in this area – two will be about 7m deep and the main one will be 36m deep.

Rawalpindi Reserve
Council Parks and Watercare are liaising together in this area so the above ground works in this area will accommodate their future plans. An above ground plant room will be built here that will be partially buried.

Norgrove Avenue
There are currently above ground structures in this area. An above ground plant room will be built here that will blend into the environs.

NO.	ITEM	ACTION

3.2 Construction Sequence

The works will commence with a deep shaft at Mangere and then a tunnel boring machine will proceed towards the Mays Road area. The tunnel will be 13km long, 4.5m diameter and be graded so wastewater will flow by gravity to Mangere. There will be 15 drop shafts up to 78m deep.

The shafts will be constructed ahead of the tunnel and the tunnel will break into them. The southern part of the project will be commissioned first.

The construction method will be similar to the construction method used for the Rosedale Wastewater Treatment Plant outfall tunnel. The boring machine will cut the tunnel face, material will be transported out and the tunnel lined. The shafts will be similar to a recent one constructed for a storage tank at Madills Farm in Kohimarama.

The London Thames Tideway Tunnel is a similar project but much larger.

3.3 Proposed Timetable

Construction is likely to start late 2018 or in 2019. It is likely to take six years to build the southern part. The northern part will be constructed later in the mid 2020s.

4. Other Matters

4.1 Future Creek Flows

There was concern that the future storm flows will reduce in the creek and what effect this would have on the creek. The base flows (dry weather flows) will remain the same which are a key to the health of the stream. The use of wetlands to retain water was discussed.

Auckland Stormwater are to further consider this. It was thought that at Lyon Avenue the reduction in peak flows could be significant, but less so down near Pasadena School. **Philip Johansen**

There was discussion on the merits of having less vegetation as vegetation can restrict stream flows and reduce sight lines.

4.2 Mixing of Creek Flows

The desirability of not mixing creek flows was discussed, The

NO.	ITEM	ACTION

Onehunga Branch Sewer will be diverted to the tunnel which will reduce the likelihood of overflows occurring into the Manukau Harbour.

4.3 Disposal of Spoil

The material excavated comes out as a slurry which will be dried before disposal. Its use as cover material for the biosolids restoration project on Puketutu Island is a possibility.

The Waterview transport tunnel spoil is currently taken to the Wiri Quarry. When the CI tunnelling is underway it is likely that the Central Rail Tunnel (CRL) Project also will be looking for sites to dispose of its spoil. Watercare is working with the CRL team to find appropriate disposal sites.

5. Next Meeting

Watercare will prepare drafts or outlines of the various reinstatement and open space plans. These should be drafted by late November. **Watercare**

When these drafts have been prepared and are ready for circulation to the MSCLG for comment another meeting will be arranged.

This is likely to be in late November or early December.