# Keith Hay Park Site (proposed location)

## Land Owner:

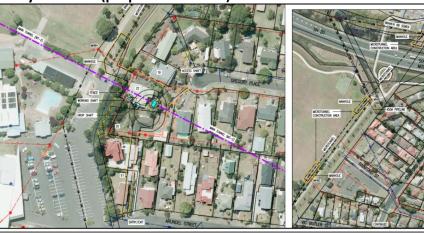
Auckland Council, 1 private residential property

# Construction site location

- Connection to Branch 9B Sewer
- Construction access via Arundel Street across 49 and 51 Arundel Street and Rainford Street (for micro-tunnelling works)

# Maintenance & Operations

- Permanent structures finished generally at ground surface level
- Permanent access via Gregory Place



# Land use effects

- Landscape Low level adverse effects on open space and landscape character for passersby and residents at the northern end of Keith Hay Park. More than minor adverse effects on visual amenity for closest neighbours on Arundel Street and Gregory Place.
- Neighbours & amenity Limited separation from residential neighbours (approx. 15 m between 19 Gregory Place and closest shaft location shown on drawing). Loss of amenity due to construction traffic and noise.
- Recreation Limited effect on recreation values as only microtunnel connection sites on part of reserve currently used for recreation. Design minimises conflict with Keith Hay Park Concept Plan.

# Cultural heritage effects

• Cultural heritage - Site in modified area with no archaeological evidence.

# Environmental effects

- Traffic Additional traffic within the capacity of surrounding roads. Access to works site and to micro-tunnelling sites will require traffic management. Alternative pedestrian/cycle facilities to be provided.
- Trees Limited vegetation removal. Some vegetation removal being undertaken by Auckland Council as part of their park development works. Recently planted buffer along eastern boundary to be retained.
- Ecology Low overall ecological value and effects less than minor.
- Noise Noise levels are expected to exceed Construction Noise Standard at 18 and 19 Gregory Place and 47 Arundel Street at times.
- Vibration Given the ground conditions, vibration levels are not expected to cause damage or disturbance.
- Groundwater & settlement Not expected to cause adverse effects on adjacent buildings or structures.

# Keith Hay Park Sports Fields Site

# Land Owner:

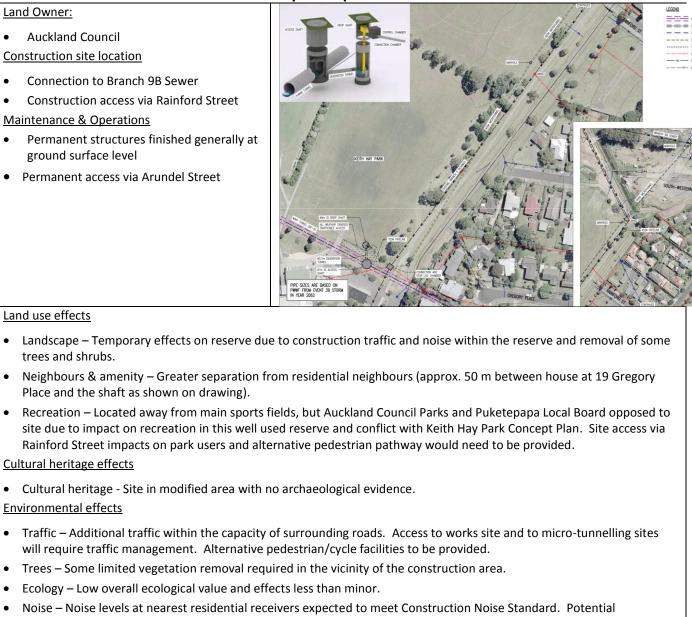
Auckland Council

# Construction site location

- Connection to Branch 9B Sewer •
- Construction access via Rainford Street

# Maintenance & Operations

- Permanent structures finished generally at ground surface level
- Permanent access via Arundel Street



# Land use effects

- trees and shrubs.
- Place and the shaft as shown on drawing).
- Rainford Street impacts on park users and alternative pedestrian pathway would need to be provided. Cultural heritage effects
- Cultural heritage Site in modified area with no archaeological evidence. **Environmental effects**
- will require traffic management. Alternative pedestrian/cycle facilities to be provided.
- Trees Some limited vegetation removal required in the vicinity of the construction area.
- Ecology Low overall ecological value and effects less than minor.
- Noise Noise levels at nearest residential receivers expected to meet Construction Noise Standard. Potential exceedence at recreational complex within the Park.
- Vibration Given the ground conditions, vibration levels are not expected to cause damage or disturbance.
- Groundwater & settlement not expected to cause adverse effects on adjacent buildings or structures.

# Keith Hay Park Site (49 and 51 Arundel Street)

# Land Owner:

- Auckland Council **Construction site location**
- Connection to Branch 9B Sewer
- Construction access via Arundel ٠ Street and Rainford Street (for micro-tunnelling works)
- Site area and internal circulation constrained

#### Maintenance & Operations

- Permanent structures finished generally at ground surface level
- Permanent access via Arundel Street

#### Land use effects

- Landscape Low level adverse effects on open space and landscape character for passersby and residents at the northern end of Keith Hay Park. More than minor adverse effects on visual amenity for closest neighbours on Arundel Street and Gregory Place.
- Neighbours & amenity Limited separation from residential neighbours (approx. 10 m between 47A Arundel Street and shaft location shown on drawing). Loss of amenity due to construction traffic and noise.
- Recreation Limited effect on recreation values as only microtunnel connection sites on part of reserve used for recreation. Design minimises conflict with Keith Hay Park Concept Plan.

# Cultural heritage effects

• Cultural heritage - Site in modified area with no archaeological evidence.

# **Environmental effects**

- Traffic Additional traffic within the capacity of surrounding roads. Access to works site and to micro-tunnelling sites will require traffic management. Alternative pedestrian/cycle facilities to be provided.
- Trees Vegetation removal undertaken by Auckland Council. Not possible to retain recently planted buffer along eastern boundary due to space constraints.
- Ecology Low overall ecological value and effects less than minor.
- Noise Noise levels would likely exceed Construction Noise Standard at times at the closest residential • properties.
- Vibration Vibration levels not expected to cause damage to structures but could disturb residents.
- Groundwater & settlement Not expected to cause adverse effects on adjacent buildings or structures.

# 11

## Keith Hay Park (20 and 22 Gregory Place)

# Land Owner:

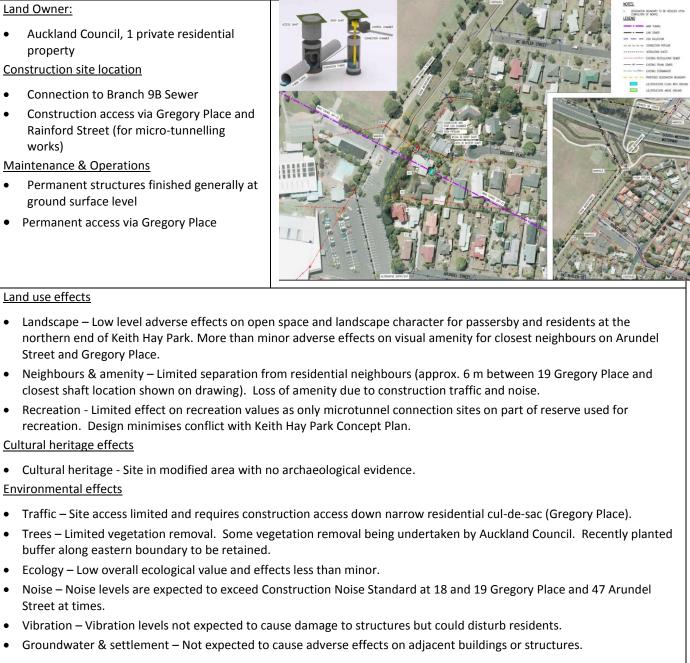
Auckland Council, 1 private residential property

# Construction site location

- Connection to Branch 9B Sewer
- Construction access via Gregory Place and Rainford Street (for micro-tunnelling works)

# Maintenance & Operations

- Permanent structures finished generally at ground surface level
- Permanent access via Gregory Place



# Land use effects

- Landscape Low level adverse effects on open space and landscape character for passersby and residents at the Street and Gregory Place.
- closest shaft location shown on drawing). Loss of amenity due to construction traffic and noise.
- Recreation Limited effect on recreation values as only microtunnel connection sites on part of reserve used for recreation. Design minimises conflict with Keith Hay Park Concept Plan. Cultural heritage effects
- Cultural heritage Site in modified area with no archaeological evidence. **Environmental effects**
- Traffic Site access limited and requires construction access down narrow residential cul-de-sac (Gregory Place).
- buffer along eastern boundary to be retained.
- Ecology Low overall ecological value and effects less than minor.
- Street at times.
- Vibration Vibration levels not expected to cause damage to structures but could disturb residents.
- Groundwater & settlement Not expected to cause adverse effects on adjacent buildings or structures.