

HERNE BAY COLLECTOR

T&T-HBC-RPT-00007_2

HBC MH02 SHAFT RELOCATION S127 AEE

Issued for Use

Review and Approval

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Herne Bay Collector: Shaft MH02 Relocation

Section 127 Assessment of Effects on the Environment

Prepared for: Watercare Services Limited

Prepared by: Tonkin & Taylor Ltd

Job Number: 30552.9089

Date: June 2026

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1 Introduction

This Assessment of Effects on the Environment (AEE) report has been prepared to support an application for a change to conditions of consent to authorise the relocation of shaft MH02 associated with the Herne Bay Collector project.

Watercare Services Limited ('Watercare') has constructed the Central Interceptor tunnel between Mangere Wastewater Treatment Plant and Point Erin Park. The Herne Bay Collector is a 1.5 km trunk sewer line which connects to the Central Interceptor in the south-west corner of Point Erin Park. Consent for this collector tunnel and associated infrastructure was granted in March 2024 (reference BUN60420393 (LUC60420246, WAT60420394, DIS60422394)).

MH02 (previously "Shaft One" in the application documents) is shown on the consent drawings at the intersection of Curran and Sarsfield Streets, located primarily in the road reserve and partially extending into Point Erin Park. To minimise traffic disruption and avoid clashes with critical utilities, Watercare proposes to relocate MH02 approximately 9.3 m to the north further into the south-west corner of Point Erin Park. The relocation of the shaft results in a slight change in alignment of the first drive of the tunnel.

Watercare is seeking to amend Conditions 1, 89 and 90 of BUN60420393 to authorise this change. In accordance with section 127(3)(a) of the RMA, this application is to be assessed as if it were an application for a resource consent for a discretionary activity.

Table 1.1: Applicant and property details

Applicant	Watercare Services Limited	
Address	94 Shelly Beach Road, Ponsonby, Auckland 1011 (Point Erin Park)	37 Sarsfield Street, Herne Bay, Auckland 1011 (also referred to as 70 Curran Street)
Owner of application site	Auckland Council	John Lionel Speight, Christine Nicola Geddez Mary Speight, Christopher Gary Deane
Property area	42,896 m ²	501 m ²
Legal description	PT ALLOT 9-10 SEC 8 Suburbs AUCKLAND Part Deposited Plan 501 Lot 3 Deposited Plan 48893	Lot 5 Deeds Plan 499
Record of Title reference	NA26B/385	NA542/176
Council / Plan	Auckland Council Auckland Unitary Plan (Operative in Part) 2016	
Existing Consent Reference	BUN60420393 (LUC60420246, WAT60420394, DIS60422394)	
Address for service during consent processing	Tonkin & Taylor Ltd 1 Fanshawe Street, Auckland Central, Auckland 1010 Attention: Damon Burdett Phone: 09 529 8066 Email: dburdett@tonkintaylor.co.nz	

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consent implementation
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We attach a copy of the relevant Records of Title in **Appendix A** and the existing consent in **Appendix B**.

2 Site description

Point Erin Park is located in Herne Bay, Auckland and is bounded to the west by Curran Street, the south by Sarsfield Street, and the east by Shelly Beach Road, with residential development beyond (Figure 2.1). The site is within the Open Space – Informal Recreation and Sport and Active Recreation Zones under the AUP and is utilised as a public park. The Curran Street on ramp is located approximately 200 m to the north of the project area and provides access to the northbound lanes of State Highway 1 and the Auckland Harbour Bridge. 37 Sarsfield Street is within the Residential - Mixed Housing Urban Zone and contains an existing dwelling.



Figure 2.1: Site aerial and zoning. The indicative location is shown by the blue outline
(Source: Auckland Council Geomaps, 2026)

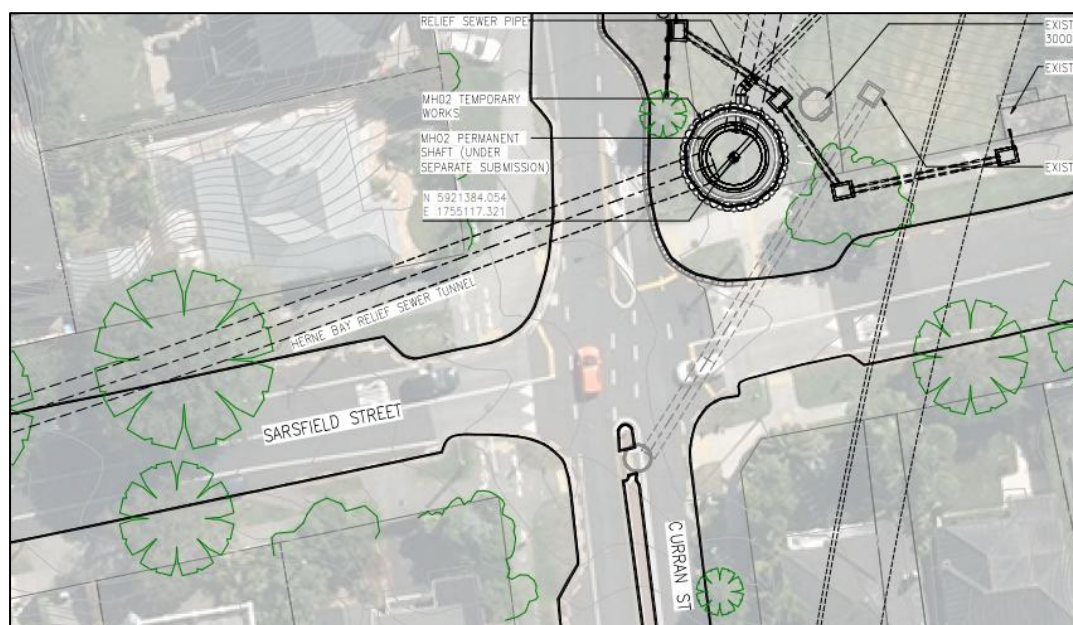


Figure 2.2: Proposed alignment of tunnel and shaft MH02

(Source: Ghella, 2026)

3 Proposed change of conditions

3.1 Reasons for change of conditions

As noted above, the existing consent drawings for BUN60420393 show shaft MH02 at the intersection of Curran and Sarsfield Streets, located primarily in the road reserve and partially extending into Point Erin Park. However, to minimise traffic disruption and avoid clashes with critical utilities, Watercare proposes to relocate MH02 approximately 9.3 m to the north, further into the south-west corner of Point Erin Park. The relocation of the shaft also results in a slight change in alignment of the first drive of the tunnel between MH02 and MH03, which will cross beneath the corner of the property located at 37 Sarsfield Street.

The revised proposal is shown on Drawings 2014514.155 (Issue A) and 2014514.161 (Issue A) attached as **Appendix C**, and a comparison of this change with the consented shaft location is shown on Drawing DSB5R-DEL-SKT-C-G-00021-1 (Issue 2) attached as **Appendix D**.

3.2 Changes to conditions sought

Watercare is seeking to change Conditions 1, 89 and 90 of Consent BUN60420393 to incorporate the revised design of these elements of the project.

Additions to Condition 1 are shown in bold underline below.

“Except as modified by the Conditions below and subject to final design, the works must be undertaken in accordance with the plans and all information submitted with the application detailed below, and all referenced by the Council as consent numbers LUC60420246, WAT60420394, DIS60422394, of BUN60420393:

- *Application form and Assessment of Environmental Effects, prepared by WSP, Project Number W-SL007.01, Revision 03, dated 7 August 2023 except as amended by the Minor Methodology and AEE Update Letter, prepared by Watercare Services Limited, dated 8 August 2023, **and the Herne Bay Collector MH02 Relocation Section 127 Assessment of Effects on the Environment, prepared by Tonkin & Taylor Limited, dated June 2026.***

...

Report lodged with Section 127 AEE

Groundwater and settlement effects assessment, prepared by Tonkin & Taylor Limited, Job Number 0030552.9089, dated 27 May 2026.

Drawing Title and reference

Prepared by Watercare Services Limited

Herne Bay Relief Sewer (DSB5R) 82 Gravity Sewers Including Manholes – Manhole MH02 Temporary Works Structure Location Plan Dwg No. 2014514.155 Issue A 6 March 2026

Herne Bay Relief Sewer (DSB5R) 82 Gravity Sewers Including Manholes – Manhole MH02 Temporary Works General Arrangement Dwg No. 2014514.161 Issue A 6 March 2026”

Additions to Condition 89 are shown in bold underline below.

“The Consent Holder must consult with owners of existing buildings and structures identified through the building risk assessment process defined in Condition 88 and as a minimum, those buildings listed in Table 4.1 of the report titled “Herne Bay Connector Project – Groundwater and Settlement Monitoring & Contingency Plan”, prepared by Tonkin & Taylor,

*dated October 2023, Job No. 1090120v2, referenced in Condition 1; **and 37 Sarsfield Street;** and all retaining walls at the block of five units at 92, 94, 96 & 98 Sarsfield Street and 51 Wallace Street, together with the swimming pool and adjacent area at 99 Sarsfield Street, the garage, retaining walls, swimming pool and adjacent area at 2 Stack Street, and subject to the owner's approval on terms acceptable to the Consent Holder, undertake a detailed pre-construction Condition Survey of these structures to confirm their existing condition and enable the sensitivity of the existing buildings and structures to any groundwater and ground settlement changes to be accurately determined.*

[...]"

Additions to Condition 90 are shown in bold underline below.

*"Unless otherwise agreed in writing with the building owner that such survey is not required, the Consent Holder must (subject to the owner(s) approval), within six months of the Completion of Dewatering of any Project stage involving shaft sinking, chamber excavation or tunnelling, undertake a post construction survey of buildings identified in accordance with Condition 89, and as a minimum, those buildings listed in Table 4.1 of the report titled "Herne Bay Connector Project – Groundwater and Settlement Monitoring & Contingency Plan", prepared by Tonkin & Taylor, dated October 2023, Job No. 1090120v2, referenced in Condition 1; **and 37 Sarsfield Street;** and all retaining walls at the block of five units at 92, 94, 96 & 98 Sarsfield Street and 51 Wallace Street, together with the swimming pool and adjacent area at 99 Sarsfield Street, the garage, retaining walls, swimming pool and adjacent area at 2 Stack Street.*

[...]"

No other changes to the conditions are sought or required.

The existing conditions require a Groundwater and Settlement Monitoring and Contingency Plan which has extensive requirements regarding groundwater and settlement monitoring. Monitoring in relation to the revised shaft location and amended tunnel alignment are subject to these existing consent conditions and will need to demonstrate, amongst other things, that the location and number of monitoring marks is sufficient to provide a reliable basis for assessing, monitoring and responding to settlement risk and for confirming compliance with the limits set out in the GSCMP (Condition 102(b)).

The draft GSMCP, including required monitoring to ensure compliance with the conditions of consent, will be updated based on detailed design, and the final provided to Council for certification at least 20 working days prior to the commencement of dewatering or tunnelling.

4 Assessment of effects of changing conditions

4.1 Introduction

Section 127 of the RMA provides for conditions of consent to be changed or cancelled, with the provisions of sections 88 to 121 applying as if:

- The application were an application for a discretionary activity; and
- The references to a resource consent and to the activity were references only to the change or cancellation of a condition and the effects of the change or cancellation.

In accordance with section 127(3)(b) of the RMA, the following assessment identifies and assesses the effects that may arise from the proposed condition changes only, and not the effects of the activity itself. This assessment also outlines the measures that the applicant proposes to avoid, remedy or mitigate any potential adverse effects on the environment.

4.2 Positive effects

Due to the need for construction works within the road reserve of Sarsfield Street, the activity consented under BUN60420393 would require a full closure of the street for approximately 100 days, and diversion of traffic onto Emmett and Curran Streets. This temporary disruption was assessed as a significant adverse effect in the original application.

The revised proposal captured in this application relocates MH02 to the north, further into Point Erin Park. As a result, full closure of Sarsfield Street will not be required, and partial closure of the carriageway will only be required very intermittently for the delivery of oversize loads. Accordingly, the proposed relocation of MH02 will have a positive effect on the local community through a material reduction in traffic and transportation related adverse effects.

4.3 Key elements and change in effects

Table 4.1 below provides a comparison of the changes between the project design consented under BUN60420393 and the revised proposal captured by this application. More detail on the associated groundwater and settlement and noise and vibration effects is provided in the following sections. The level of adverse effect from these revisions will not change from that which was originally consented.

Table 4.1: Comparison of key elements – consented shaft vs revised proposal

Element	Consented Shaft	Revised proposal	Comment
Shaft location	In Sarsfield Street road reserve and partly within Point Erin Park.	Shifted 9.3 m north. Largely within Point Erin Park but still extending slightly into Sarsfield Street road reserve.	The shaft is located on the same properties, but the footprint shifts further into Point Erin Park, reducing works in the road reserve.
Shaft diameter	13 m (internal diameter).	7 m (internal diameter).	Smaller shaft reduces construction footprint and earthworks volumes.
Shaft depth	11.5 – 16.9 m bgl (below ground level) -4.0 m pipe IL.	16-17 m to base of excavation (to depth of -4.40 m RL). -2.34 m pipe IL.	The shaft depth is in line with the expected depth and remains well above the maximum consented depth of -8 m IL.

Element	Consented Shaft	Revised proposal	Comment
	With a maximum depth for Shaft One of -8 m IL.		
Construction method	- Sheet piling - Sheet piling/casing shaft/secant piling.	Secant bored piles.	Methodology provided for in consent documents.
Transport and access	Requires full closure of Sarsfield Street for approximately 100 days, diversion of traffic onto Emmett Street and Curran Street.	Intermittent partial closure may be required for oversize deliveries. However full closure of Sarsfield Street no longer required.	Traffic impact will be notably reduced as full closure of Sarsfield Street is not required.
Permanent works and park reinstatement	- Manhole in road reserve. - Reserve reinstatement in accordance with Park Restoration and Landscape Plan (PRLP).	- Manhole in Point Erin Park. - Reserve reinstatement in accordance with Park Restoration and Landscape Plan (PRLP).	No change. (Works in south-west corner are provided for in CI Point Erin consent. Details of reserve reinstatement are to be provided through submission of a PRLP).
Tunnel alignment	The tunnel between Shaft One/MH02 and SE01/MH03 is entirely within Sarsfield Street road reserve.	The tunnel between Shaft One/MH02 and SE01/MH03 will be entirely within Sarsfield Street road reserve except for part of the tunnel crossing beneath a corner of 37 Sarsfield Street.	Alignment remains in Sarsfield Street road reserve except for a short section beneath the corner of 37 Sarsfield Street at around 13 m depth.

4.4 Groundwater and settlement effects

Groundwater and settlement effects associated with the proposed changes have been assessed in **Appendix E**. As noted above, the proposed change involves the relocation of Shaft MH02 approximately 9.3 m further into Point Erin Park. Additionally, a minor amendment to the collector tunnel alignment will result in a short section of tunnel passing beneath the corner of 37 Sarsfield Street at a depth of approximately 13 m below ground level.

Tunnel alignment amendment (tunnelling effects at 37 Sarsfield Street)

A conservative combined assessment (dewatering-induced plus mechanically induced settlement) indicates a maximum predicted total settlement of approximately 5 to 6 mm at the corner of the property, with maximum predicted differential settlement of approximately 1V:4200. The assessment concludes the tunnelling-related settlement effects remain less than minor, and the existing consenting framework and conditions remain appropriate.

Shaft MH02 (relocation and size reduction)

The revised design also results in the relocation of shaft MH02 approximately 9.3 m further into Point Erin Park and a reduction in the internal diameter of the shaft from 13 m to 7 m. The shaft footprint and depth remain within the limits previously assessed and consented, and the construction methodology (secant piling) remains as previously provided for. Predicted settlement effects on nearby properties remain negligible and are assessed as less than 1 mm total settlement

for neighbouring buildings (including 26, 28, 30 and 37 Sarsfield Street), meaning effects remain less than minor.

On the basis of Appendix E, the proposed MH02 relocation (including the reduction in shaft size) and the minor tunnel alignment change do not result in any material change in groundwater or settlement effects compared with those previously consented. Effects are expected to remain less than minor.

4.5 Noise and vibration effects

The revised proposal relocates MH02 approximately 9.3 m north, moving it slightly closer to the existing dwellings at 37 Sarsfield Street and 71 - 74 Curran Street, and further from the dwellings at 26 - 30 Sarsfield Street. Additionally, the revised tunnel alignment will pass beneath 37 Sarsfield Street at a depth of approximately 13 m. The shaft diameter also reduces from 13 m to 7 m (ID). The noise and vibration effects assessment attached as Appendix F assesses the impact of this change.

Shaft construction - noise

Updated predictions (with the construction methodology remaining as consented), indicate that noise levels which exceed the construction noise standard daytime limits set out in the AUP (E25.6.27(4)) will impact the same number of receivers as the consented design. However, the relocation and reduced shaft size results in an overall improvement in the magnitude of noise effects, including reduced predicted noise at 30 Sarsfield Street (78 to 73 dB LAeq), 28 Sarsfield Street (76 to 72 dB LAeq) and 26 Sarsfield Street (72 to 69 dB LAeq). Minor increases are predicted to be experienced at 37 Sarsfield Street (72 to 73 dB LAeq) and 72 Curran Street (70 to 72 dB LAeq). However, changes of this magnitude (1-2 dB) are negligible and are typically not a perceptible change to occupants.

Shaft construction - vibration

Regarding surface vibration, the number of receivers which are predicted to experience levels above the 2 mm/s PPV threshold will reduce from four to three. The predicted vibration level range experienced at 72 Curran Street slightly increases from 1-2 mm/s PPV to 2-3 mm/s PPV but remains well below the building damage criterion of 5 mm/s PPV. This increase is negligible and remains within the envelope of effects assessed in the CNVTA.

Tunnelling - vibration and regenerative noise

For tunnelling vibration, the predicted vibration level of 0.2 mm/s PPV experienced at 37 Sarsfield Street will comply with the daytime amenity limit of 2 mm/s. While tunnelling will not be undertaken at nighttime, we note it will also comply with the most stringent night-time AUP amenity criteria of 0.3 mm/s PPV and is likely to be imperceptible. Additionally, the duration of vibration experienced at this property would be limited to approximately 1-2 days maximum.

Ground-borne noise from daytime tunnelling works is unlikely to be noticeable above normal day-to-day indoor activities and remains within the same envelope of effects as presented in the consented project effects.

Summary

All effects are consistent with the envelope of effects assessed in the consented project and will be managed in accordance with the associated consent conditions, including the approved Construction Noise and Vibration Management Plan (CNVMP). Overall, the adverse effects which are anticipated to arise from the proposed change of conditions represent a minimal variation from those which have been consented under BUN60420393. Accordingly, the proposed change will have a negligible adverse effect.

4.6 Conclusion

The activity consented under BUN60420393 would require a full closure of Sarsfields Street for approximately 100 days, and diversion of traffic onto Emmett and Curran Streets. This temporary disruption was assessed as a significant adverse effect in the original application. The revised proposal relocates Shaft MH02 further into Point Erin Park and reduces the need for works within the road reserve, meaning the full closure of Sarsfield Street will no longer be required. Any carriageway restrictions would be limited to intermittent partial closures (e.g. for occasional delivery of oversize loads). Accordingly, the proposed relocation is anticipated to have a positive effect for the local community through a material reduction in traffic and transport-related adverse effects.

The revised proposal also includes a reduction in shaft size and a minor adjustment to the tunnel alignment as set out above. Technical assessments conclude that this change remains within the consented envelope of effects, with groundwater and settlement effects remaining less than minor and noise and vibration effects also remaining consistent with the consented project and manageable under the existing CNVMP framework.

Overall, the proposed change to conditions of consent does not result in materially different adverse effect, nor does it represent a fundamentally different activity from that currently consented. Accordingly, the adverse effects on the environment remain less than minor as assessed and consented, with a net improvement in traffic and access outcomes. These effects will continue to be avoided, remedied and mitigated through implementation of the environmental management plans and mitigation measures required by the existing consent conditions.

5 Statutory assessment

5.1 Section 127

The change will not have materially different adverse effects or result in a fundamentally different activity to that currently consented¹. We therefore consider it appropriate for this application to be processed under section 127 of the RMA as a discretionary activity.

5.2 Consideration of applications

Section 104(1) of the RMA sets out the matters to which a consent authority must have regard to, subject to Part 2 of the RMA, when considering an application for resource consent. Any actual and potential effects on the environment of allowing the activity and any mitigation, offset or compensation measures are addressed in Section 4 above.

The section 104(1) matters relevant to this application, being the relevant policy and plan provisions and any other matters, are addressed below. Pursuant to section 127(3), the consideration is limited to the change or cancellation of a condition and the effects of the change/cancellation only. This statutory assessment does not revisit or reassess the original proposal in its entirety.

5.3 National Policy Statement for Infrastructure 2025

The National Policy Statement for Infrastructure (NPS-I) 2025 came into force on 15 January 2026, and as such was not considered as part of the original application. We note that the NPS-I contains provisions which require recognition of the operational need for infrastructure to be located in particular locations and are supportive of new infrastructure which provides regional and local benefits. The proposed change of conditions is supported by these provisions.

5.4 Auckland Unitary Plan Assessment

A comprehensive assessment of the project against the relevant provisions of the Auckland Regional Policy Statement (RPS) and AUP has been undertaken as part of the original application. We consider that the proposed changes captured by this application are so minor in nature that they do not warrant a separate assessment or additional assessment. Rather, we consider the assessment provided with the original application continues to apply, as the overall nature of the works remains consistent with these assessments given the overall nature of the works is the same and the effects remain consistent with those already assessed and authorised.

We also consider that Part 2 matters have been assessed through consideration of the AUP provisions in the original application.

¹ High Court decision on *Body Corporate 97010 v Auckland City Council* (2000) 6 ELRNZ 183. Confirmed by the Court of Appeal in *Body Corporate 97070 v Auckland City Council* [2000] 3 NZLR 513.

6 Notification assessment

6.1 Public notification

Section 95A of the RMA is relevant when a consent authority is considering whether an application under section 127 should be considered with or without public notification. Section 95A identifies a four-step process. In relation to these steps, we note the following:

- The applicant does not request public notification of the application.
- There is no rule or national environmental standard that precludes or requires public notification of this application.
- This application is made under section 127 and under section 127(4) a consent authority must only consider the effects of the change.
- An assessment of effects on the environment is provided in Section 4 of this AEE report. This assessment concludes that the overall change in the level of adverse effects from the proposed change of conditions is negligible, and thus the adverse effects on the environment remain less than minor.
- The application is not for any of the activities identified in section 95A(5)(b) (i.e. a controlled activity or a boundary activity).
- No special circumstances are considered to exist in relation to the application.

Based on this assessment, we consider that this proposal meets the tests of the RMA to be processed without public notification.

6.2 Limited notification

For applications that are not publicly notified, under section 95B, the consent authority must determine whether to give limited notification of an application to any affected parties. Section 95B identifies a four-step process. In relation to these steps, we note the following:

- The application does not need to be notified to any parties under section 95B(4). The proposed change will not affect any customary rights.
- The proposed activity is not on or adjacent to, or does not affect, land that is the subject of a statutory acknowledgement.
- There are no applicable rules or national environmental standards precluding limited notification.
- No special circumstances are considered to exist in relation to the application that warrant notification of the application to any other persons not already determined to be eligible for limited notification.

The effects of the proposed change to conditions, including the effects on 37 Sarsfield Street, are assessed as less than minor and, on that basis, there are no affected persons.

Notwithstanding this, the owners of 37 Sarsfield Street have provided affected party approval (attached as Appendix G) and therefore cannot be considered adversely affected by the application. This approval is subject to Watercare preparing comprehensive reports on the condition of the property pre- and post-construction and remaining responsible for long-term maintenance of the relocated infrastructure and any resulting property damage. Watercare has accepted these conditions and they are reflected in the proposed amendments to consent conditions 89 and 90. Evidence of the owners of 37 Sarsfield Street sighting the most updated project documentation is attached as Appendix I.

Watercare has an existing lease agreement with Auckland Council for the use of Point Erin Park. An updated copy of this lease which reflects the relocated shaft and associated reduction in size is attached as Appendix H. Additionally, an acknowledgement from Auckland Council Parks and Community Facilities that Shaft MH02 will be included in the Pt Erin Reinstatement Plan is attached as Appendix J.

In addition to the requirements of section 95B, section 127(4) states that for the purposes of determining who is adversely affected by the change of consent conditions, the consent authority must consider, in particular, every person who made a submission on the original application **and may be affected by the change**.

The original application (BUN60420393) was publicly notified as requested by Watercare. Although submissions were received relating to ground settlement, those submitters are not considered to be affected by the proposed change as the changes and associated effects are small in scale and confined to the immediate vicinity of the relocated shaft and the short section of revised tunnel alignment. Accordingly, the overall change in the level of adverse effects is negligible. The groundwater and settlement assessment concludes that effects remain less than minor. Ground settlement risk will continue to be appropriately managed through implementation of the environmental management plans and mitigation measures required by the consent conditions.

Accordingly, no persons have been identified as being affected by the proposed change of conditions.

Based on this assessment, we consider that this proposal meets the tests of the RMA to be processed without limited notification.

6.3 Sections 95A and 95B conclusions

Following the steps set out in sections 95A and 95B, and considering section 127(4), we consider that the application should be processed without public or limited notification.

7 Conclusion

Watercare proposes to relocate shaft MH02 approximately 9.3 m to the north of the location indicated in consent BUN60420393. As a result of the relocated shaft, a short section of the first drive of the tunnel from MH02 will also be realigned and will cross below the corner of the property at 37 Sarsfield Street. Watercare is seeking to change Conditions 1 , 89 and 90 of BUN60420393 to authorise this change.

This AEE report assesses the effects of the change of conditions and draws the following conclusions:

- The proposal will result in a negligible change to the level of adverse effects authorised under the existing consent.
- The change will not have materially different adverse effects on the environment or result in a fundamentally different activity to that currently consented.
- The proposed change is consistent with the relevant objectives and policies of the NPS-I and remains consistent with the assessments of the RPS and AUP as set out in the existing application for resource consent.

Accordingly, we respectfully request that this application be granted on a non-notified basis.

8 Applicability

This report has been prepared for the exclusive use of our client Watercare Services Limited in accordance with Tonkin & Taylor's Ltd letter of engagement dated 8 April 2026, and with respect to the particular brief given to us. It may not be relied upon in other contexts or for any other purpose, or by any person other than our client, without our prior written agreement.

We understand and agree that our client will submit this report as part of an application for resource consent and that Auckland Council as the consenting authority will use this report for the purpose of assessing that application.

Tonkin & Taylor Ltd
Environmental and Engineering Consultants

Report prepared by:

Authorised for Tonkin & Taylor Ltd by:



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Damon Burdett
Planner



.....
Karen Baverstock
Project Director

Damon Burdett

Appendices

Appendix	Appendix Title	Document Number
Appendix A	Record of Title	T&T-HBC-RCD-00001
Appendix B	Existing consent	T&T-HBC-RCD-00001
Appendix C	Drawings of new shaft location	T&T-HBC-RCD-00001
Appendix D	Drawings – Comparison of existing and consented shaft location	T&T-HBC-RCD-00001
Appendix E	Groundwater & Settlement Effects Assessment	T&T-HBC-RPT-00008
Appendix F	Noise and Vibration Effects Assessment	T&T-HBC-RPT-00009
Appendix G	Affected party approval – 37 Sarsfield Street	T&T-HBC-RCD-00001
Appendix H	Point Erin Park updated lease	T&T-HBC-RCD-00001
Appendix I	Updated record of Stakeholder Engagement	T&T-HBC-RCD-00001
Appendix J	Confirmation of inclusion in Pt Erin Reinstatement Plan	T&T-HBC-RCD-00001



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