

Puketāpapa Local Board Workshop Programme

Date of Workshop: Thursday, 11 April 2024

Time: 11.00am – 3.00pm

Venue: Puketāpapa Local Board, 560 Mt Albert Road, Three Kings and Online via Microsoft Teams.

| Time | Workshop Item | Overview | Governance role | Presenter/s |
|------|---------------|--|-----------------|-------------|
| | | <p style="text-align: center;">Karakia</p> <p style="text-align: center;">Whakataka te hau ki te uru.</p> <p style="text-align: center;"><i>The wind blows from the west.</i></p> <p style="text-align: center;">Whakataka te hau ki te tonga.</p> <p style="text-align: center;"><i>The wind blows from the south.</i></p> <p style="text-align: center;">Kia mākinakina ki uta.</p> <p style="text-align: center;"><i>It pierces the land with its wintry nip.</i></p> <p style="text-align: center;">Kia mātaratara ki tai.</p> <p style="text-align: center;"><i>And slices the sea with its freezing chill.</i></p> <p style="text-align: center;">Kia hī ake ana te atakura</p> <p style="text-align: center;"><i>When the red dawn breaks</i></p> <p style="text-align: center;">he tio, he huka, he hauhū.</p> <p style="text-align: center;">there is ice, snow and frost.</p> <p style="text-align: center;">tihei mauri ora!</p> <p style="text-align: center;">indeed, there is life</p> | | |

| Time | Workshop Item | Overview | Governance role | Presenter/s |
|--------------------------------------|--|---|--|--|
| 11.00am (5 mins) | <u>Item 1</u> Declarations of interest | Board only discussion. | What is the local board's governance role with regards to the item being workshopped: <ul style="list-style-type: none"> • Keeping informed | <ul style="list-style-type: none"> • Ella Kumar Chair |
| 11.05 – 11.30am (25 mins) | <u>Item 2</u> Board member time | Board only discussion. | What is the local board's governance role with regards to the item being workshopped: <ul style="list-style-type: none"> • Setting direction/priorities and budget • Local Board feedback/direction • Keeping informed | <ul style="list-style-type: none"> • Ella Kumar Chair |
| 11.30 – 12.30pm (60 mins) | <u>Item 3</u> Connected Communities Information Materials: To be released following the approval of the 2024/2025 work programme. | To provide a monthly update from Connected Communities. This month's presentation is focused on the work programme lines. | That the local board members provide feedback. <ul style="list-style-type: none"> • Setting direction/priorities and budget • Local Board feedback/direction • Keeping informed | <ul style="list-style-type: none"> • Kat Teirney Community Broker • Stephen Johnson Connected Communities Lead and Couch Daylyn Braganza Manager Community Programme Delivery Akiko Shimizu Alexander Specialist Advisor |
| 12.30pm – 1.00pm (30 mins) | Board Lunch Time | | | |

| Time | Workshop Item | Overview | Governance role | Presenter/s |
|--|--|--|--|---|
| <p>1.00pm – 1.45pm (45 mins)</p> | <p><u>Item 4</u> I&ES Update <u>Information Materials:</u> Powerpoint Oakley Creek Pest Plant Buffer</p> | <p>To provide a monthly update from Infrastructure and Environmental Services. This month the presentation is focused on an update on the Te Auaunga (Oakley Creek) Pest Plant control buffer project.</p> | <p>What is the local board's governance role with regards to the item being workshopped:</p> <ul style="list-style-type: none"> • Setting direction/priorities and budget • Local Board feedback/direction • Keeping informed | <ul style="list-style-type: none"> • Taylor Farrell Relationship Advisor • Matt Sutton Conservation Advisor |
| <p>1.45pm – 2.45pm (60 mins)</p> | <p><u>Item 5</u> Parks and Community Facilities</p> | <p>To provide a monthly update from Parks and Community Services.</p> | <p>What is the local board's governance role with regards to the item being workshopped:</p> <ul style="list-style-type: none"> • Local Board Feedback / Direction • Oversight and monitoring • Keeping informed | <ul style="list-style-type: none"> • Jody Morley Area Operations Manager |
| <p>1.45 – 1.50pm (5 mins)</p> <p>1.50 – 2.15pm (25 mins)</p> | <p>5.1 Introductions</p> <p>5.2 Puketāpapa Play Revision Assessment Update</p> <p><u>Information Materials:</u> Memo Puketāpapa Play Revision Assessment Update PDF Puketāpapa Play Network Gap Analysis</p> | | | <ul style="list-style-type: none"> • Jody Morley Area Operations Manager • Jody Morley Area Operations Manager • Brad Congdon Parks and Places Specialist |

| Time | Workshop Item | Overview | Governance role | Presenter/s |
|----------------------------|--|----------|-----------------|--|
| 2.15 – 2.35pm (15 mins) | 5.3 Puketāpapa Coastal Track Renewal Update <u>Information materials</u> Document: Puketāpapa coastal track damage update Document Puketāpapa coastal track assessment report rev2 Map AO Te Oneroa ō Kahu | | | <ul style="list-style-type: none"> • Jody Morley Area Operations Manager • Grant Burke Programme Manager |
| 2.35 – 2.40pm (5 mins) | 5.4 New LDI Capex Project – Monte Cecilia Playground <u>Information materials</u> PDF presentation Puketāpapa work programme proposed LDI capex change FY2024-2025 | | | <ul style="list-style-type: none"> • Jody Morley Area Operations Manager • Rodney Klaassen Work Programme Lead |
| 2.40 – 2.45pm (5 mins) | 5.5 Questions or queries | | | <ul style="list-style-type: none"> • Jody Morley Area Operations Manager |

| Time | Workshop Item | Overview | Governance role | Presenter/s |
|------|--|----------|-----------------|-------------|
| | <p style="text-align: center;">Closing remarks - Closing - Karakia</p> <p style="text-align: center;">Unuhia, unuhia <i>Draw on, draw on</i></p> <p style="text-align: center;">Unuhia mai te urutapu nui <i>Draw on the supreme sacredness</i></p> <p style="text-align: center;">Kia wātea, kia māmā, <i>To clear and to set free</i></p> <p style="text-align: center;">te ngākau te tinana, te hinengaro <i>the heart, the body and the inner essence</i></p> <p style="text-align: center;">i te ara takatū <i>In preparation for our pathways</i></p> <p style="text-align: center;">Koia rā e Rongo <i>Let peace and humility</i> <i>be raised above all</i></p> <p style="text-align: center;">e whakairia ake ki runga</p> <p style="text-align: center;">Kia tina! Haumi e! <i>Manifest this! Realise this!</i> <i>Bind together! Affirm!</i></p> <p style="text-align: center;">Hui e! Tāiki e!</p> | | | |

Next workshop: Thursday, 18 April 2024 at 1.30pm Next business meeting Thursday, 18 April 2023 at 10am

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admin@renature.co.nz

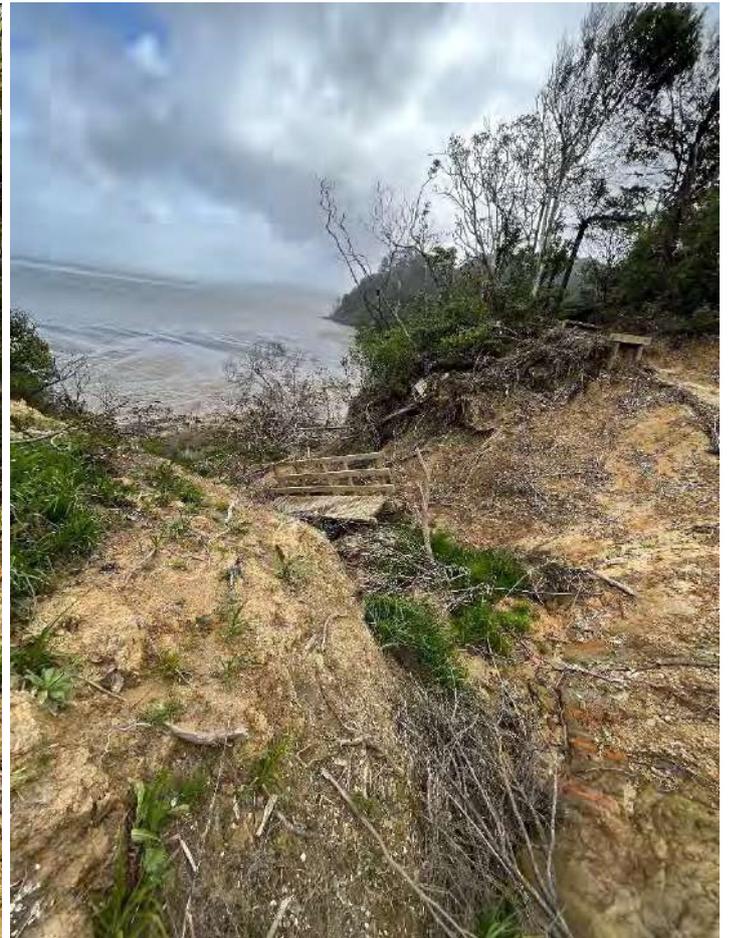
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Takapuna 0740

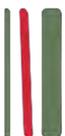


Puketāpapa Coastal Tracks

Assessment Report



Prepared For:
Auckland Council
By reNature Limited
Job #23200



Document Control

Document Properties

| Job# | Title | Publish Date | |
|----------|---------------------------|------------------|------------|
| 23200 | Puketāpapa Coastal Tracks | 17/04/2024 | |
| Revision | Document Author | Reviewed by | Date |
| 0 | Cameron Glitz | Andrew Mackenzie | 2/04/2024 |
| 1 | Cameron Glitz | Andrew Mackenzie | 4/04/2024 |
| 2 | Cameron Glitz | Andrew Mackenzie | 5/04/2024 |
| 3 | Cameron Glitz | Andrew Mackenzie | 17/04/2024 |

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1.0 Introduction

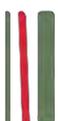
The Waikōwhai Walkway provides coastal track experience for users along the northern shore of the Manukau Harbour. The Puketāpapa Coastal track sections relevant to this report include the reserves within the Puketāpapa Local Board area, from Manukau Domain in the west to the Onehunga Foreshore in the east, covering approximately 5km of the shoreline with over 10km of track (Figure 1).



Figure 1: Map of the Waikowhai walkway (<https://ourackland.aucklandcouncil.govt.nz>)

The Auckland Anniversary Weekend and Cyclone Garielle storm events of 2023 caused widespread damage through these reserves, effectively closing most of the track sections to the public. Site investigations by reNature and Auckland Council staff were performed in the last quarter of 2023 and the first quarter of 2024 to scope the extent of the damage and develop a package of works to reestablish the effected connections.

This report provides a high-level summary of the damage to the track network, the works required to reestablish the connections, estimated costings, and suggested priorities.



2.0 Current Condition

The condition of the tracks and pedestrian outdoor structures are assessed with PRAMS Condition Grading Guidelines which rates assets from grade 0 to grade 5 with worsening condition attributed to higher numbers.

2.1 Manukau Domain

The Manukau Domain coastal walkway sections consist of approximately 400m of track, steps and boardwalk structure. Most of the track network is in Good to Average (grade 2 – 3) condition. Two slip events have rendered a section of track and boxed steps non-existent (Figure 2) and damaged a boardwalk (Figure 3) that is now in a Poor condition (grade 4).



Figure 2: Manukau Domain - upper slip



Figure 3: Manukau Domain - lower slip on boardwalk structure

2.2 Wattle Bay

The Wattle Bay coastal walkway sections consist of approximately 2,400m of track, concrete path, steps, boardwalk structures, timber bridges, etc. Most of the track network is in Good to Average (grade 2 – 3) condition. Numerous landslips, ranging in size from small to large, occur throughout the park and along the track alignment. The damage caused by these slip events range from minor obstructions to complete destruction of track sections. Evidence of this damage is displayed in Figure 4 to Figure 10. In addition, the movement of material has altered the course of some overland flow paths resulting in increased stormwater damage in some locations and soaking the lower picnic area so that it can no longer function as a picnic amenity (Figure 10).



Figure 4: Wattle Bay - Slip material obstructing track



Figure 5: Wattle Bay - Informal benched track through slip



Figure 6: Wattle Bay - Major slip through valley



Figure 7: Wattle Bay - Slip debris along coast



Figure 8: Wattle Bay - Major slip through valley



Figure 9: Wattle Bay - Slip debris on concrete path (left); ground movement resulting in failed concrete path (right)



Figure 10: Wattle Bay - Flooded picnic area

2.3 Waikōwhai Park, Captains Bush, & Kingswood Reserve

The Waikōwhai Park, Captains Bush, and Kingswood Reserve coastal walkway sections consist of approximately 3,400m of track, concrete path, steps, boardwalk structures, timber bridges, etc. Most of the track network is in Good to Poor (grade 2 – 4) condition. Numerous landslips, ranging in size from small to medium, occur throughout the reserves and along the track alignment. The damage caused by these slip events range from minor obstructions to complete destruction of track sections. Evidence of this damage is displayed in Figure 11 to Figure 18.



Figure 11: Waikōwhai Park - Slip through track section



Figure 12: Waikōwhai Park - Scoured aggregate track

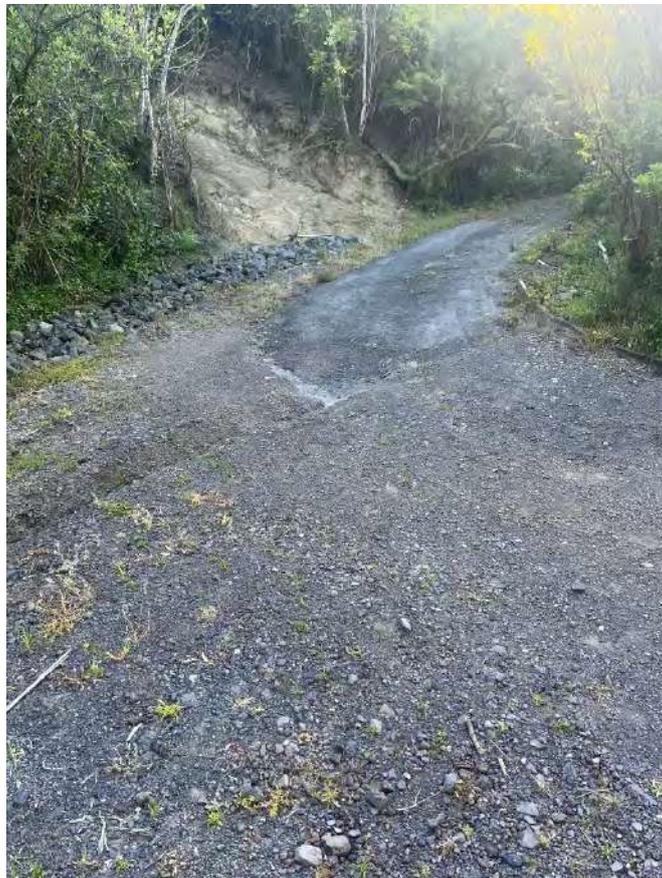


Figure 13: Waikōwhai Park - Scoured aggregate access road



Figure 14: Captains Bush - Slip and failed retaining wall



Figure 15: Captains Bush - Slip below track

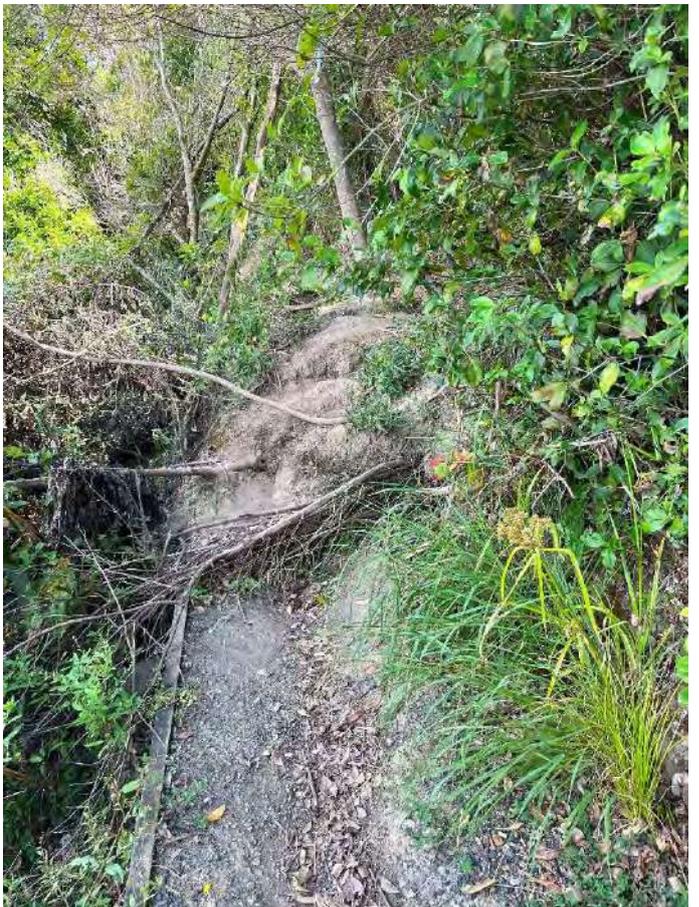


Figure 16: Captains Bush - Path disrupted by fallen/overgrown vegetation

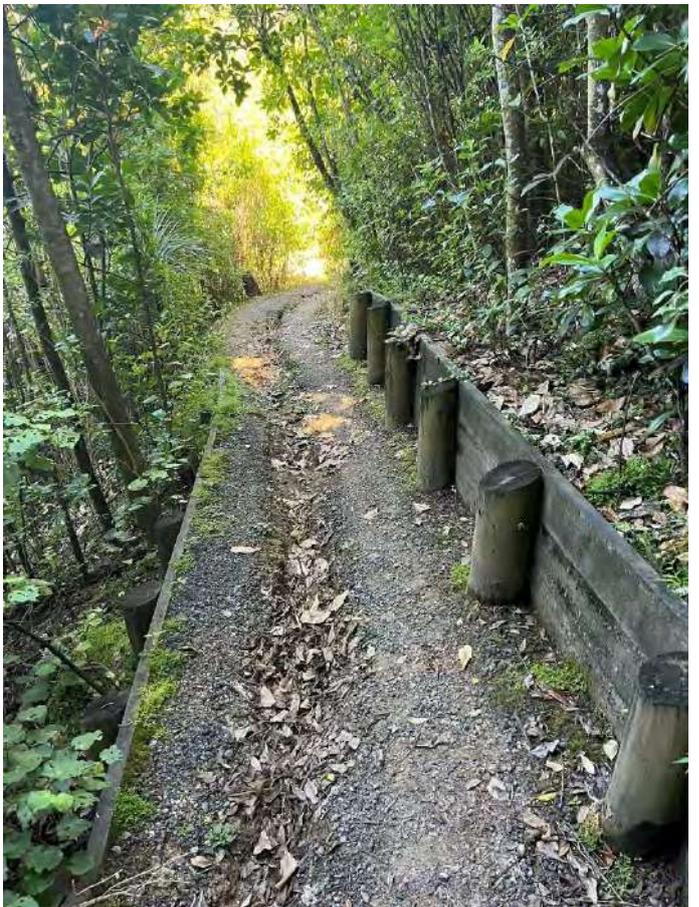
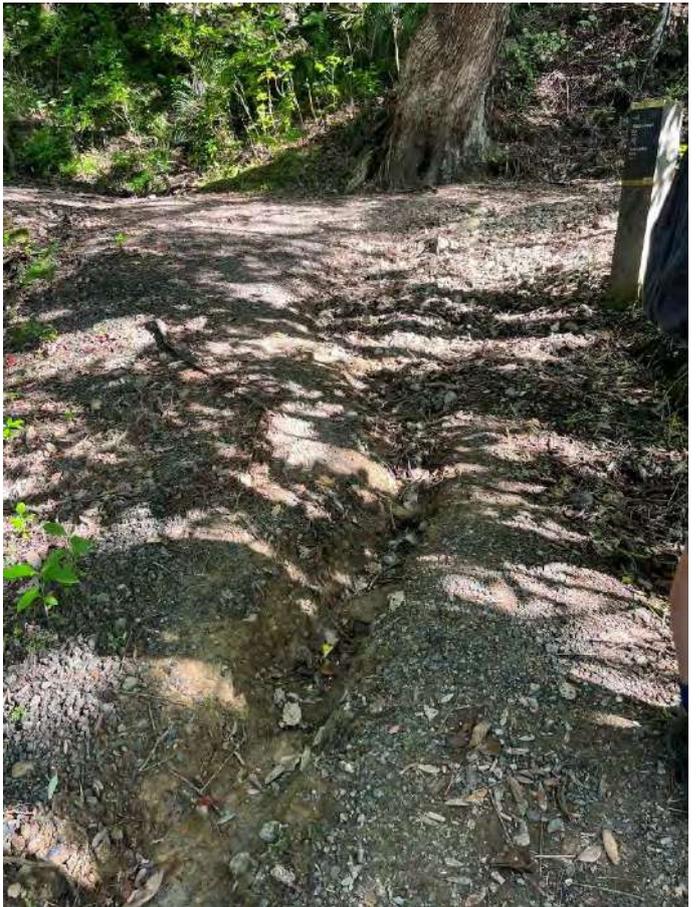


Figure 17: Captains Bush - Aggregate track scour



Figure 18: Captains Bush - Slip and failed retaining wall

2.4 Aldersgate Reserve

The Aldersgate Reserve coastal walkway sections consist of approximately 550m of track, concrete path, steps, boardwalk structures, timber bridges, etc. Most of the track network is in Average to Very Poor (grade 3 – 5) condition. Significant land movement and scouring along the stream and valley that runs from Aldersgate Road to the coast has resulted in major damage to the entire track network along this section. The remaining track section connecting to Kingswood Reserve is predominately affected by a major slip with other minor damage/obstructions occurring due to failed retaining walls and smaller slip events. Evidence of this damage is displayed in Figure 19 to Figure 21.



Figure 19: Aldersgate Reserve - Slip at coast

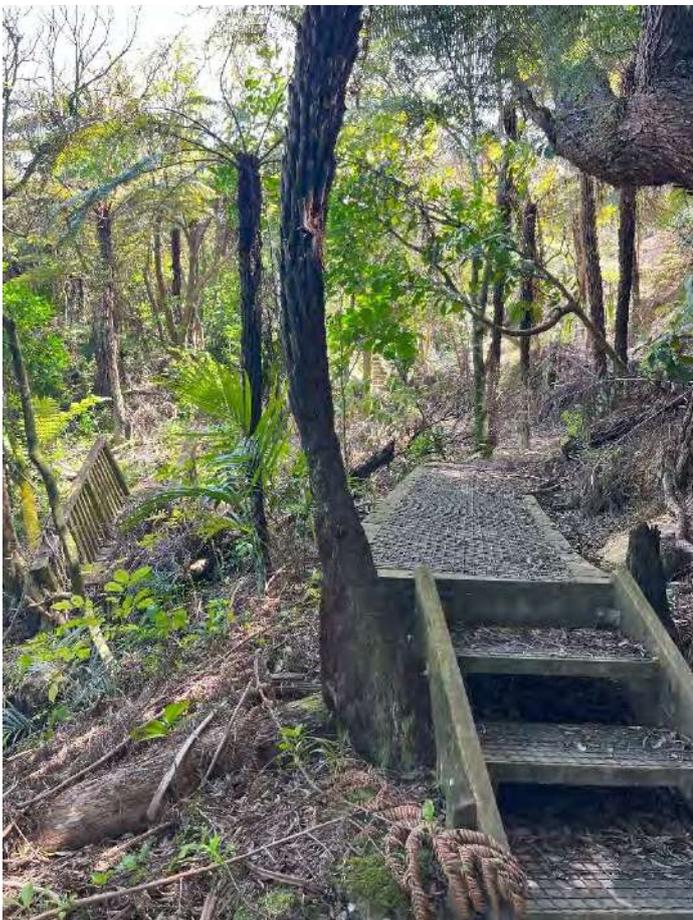


Figure 20: Aldersgate Reserve - Slips/scour along track network



Figure 21: Aldersgate Reserve - Slip through section of track

2.5 Hillsborough & Grannys Bay Reserve

The Hillsborough and Grannys Bay Reserve coastal walkway sections consist of approximately 1,200m of track, concrete path, steps, boardwalk structures, timber bridges, etc. Most of the track network is in Average to Very Poor (grade 3 – 5) condition. Significant slips within the two main valleys have resulted in damage to the track alignment where these intersect. This is mostly confined to 3 main areas of damage/obstruction. The remaining track sections are in poor condition as a result of direct runoff and lack of maintenance. Evidence of this damage is displayed in Figure 22 to Figure 26.



Figure 22: Hillsborough reserve - Head scarp of large slip

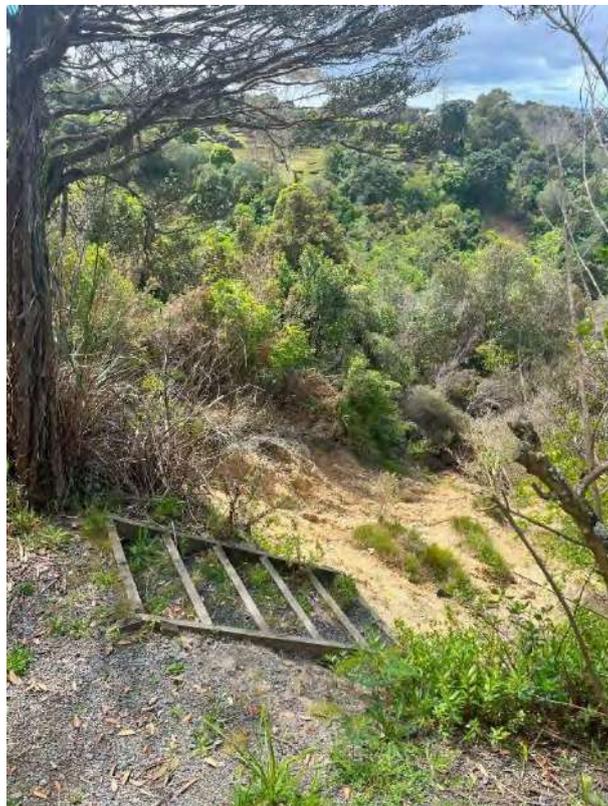


Figure 23: Hillsborough reserve - Large slip along path alignment



Figure 24: Hillsborough Reserve - Slip through valley, track and bridge



Figure 25: Hillsborough Reserve - Slip material on boardwalk and path



Figure 26: Hillsborough Reserve - Timber bridge from upper valley washed onto beach

2.6 Belfast Reserve

The Belfast Reserve walkway sections consist of approximately 950m of track, steps, boardwalk structures, timber bridges, etc. Most of the track network is in Average to Poor (grade 3 – 4) condition. Several large land slips and scouring have resulting in significant damage to components of the track alignment resulting if complete closure of the reserve to the public. Evidence of this damage is displayed in Figure 27 to Figure 30.



Figure 27: Belfast Reserve – Large slip and tree debris through track alignment



Figure 28: Belfast Reserve - Slip through track alignment



Figure 29: Belfast Reserve - Failure of retaining wall from stream scour



Figure 30: Belfast Reserve - Large slip through valley

2.7 Waikowhai Boardwalk

The Waikowhai Boardwalk is an approximately 2.5m wide by 420m long coastal boardwalk connecting Bamfield Reserve to Onehunga foreshore. Several slips along the adjacent coastal cliffs have resulted in significant damage to the boardwalk structure effectively rendering the structure unusable (Figure 31).



Figure 31: Manukau Coastal Walkway - Slip damage to coastal walkway

3.0 Proposed Works

Works required to return the approximately 10km track network to industry standard is explored in this section. The extent and degree of damage is broad, and it is likely the work will need to be performed over several years in different stages. Required work is categorised into high, medium, and low priorities to better understand the importance of the recommended renew/repair works to the overall functioning of the network.

The best value for money will likely be achieved by packaging repair and renewal works to include the entire track network of a specific reserve before performing works on the next reserve. The outcome will be 8 reserves all achieving a high standard. The alternative of only scheduling high-priority and/or damaged sections will allow the reserves to be opened but with differing track standards throughout a particular reserve.

The location plans on the following pages identify locations of low to high priorities.

Examples of track infrastructure constructed to industry standard are presented below in Figure 32 to Figure 35.



Figure 32: Aggregate track with side drain and culvert



Figure 33: Edged aggregate track and boxed steps (left), culvert (right)

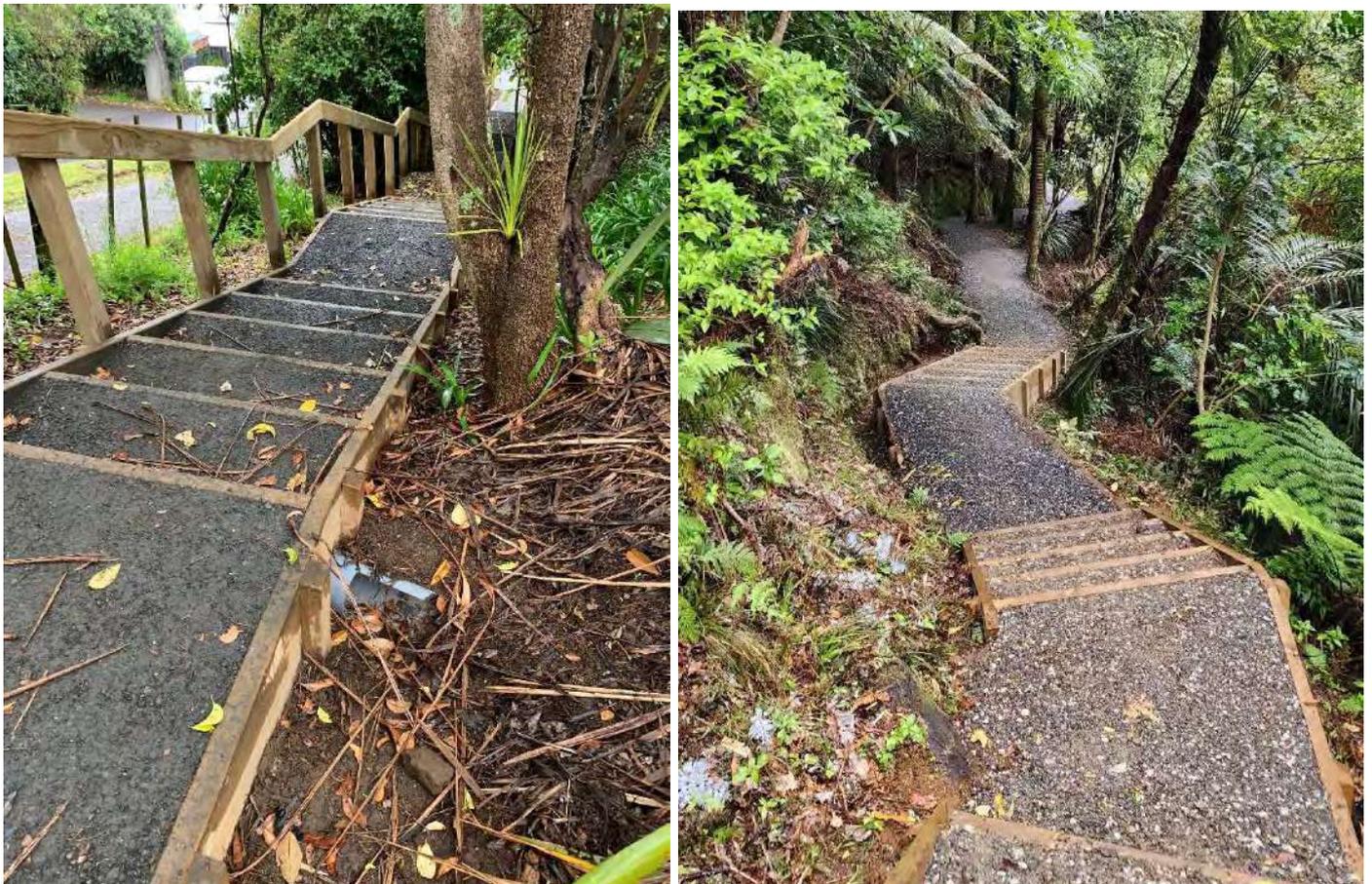


Figure 34: Boxed steps



Figure 35: Timber boardwalk and staircase structures

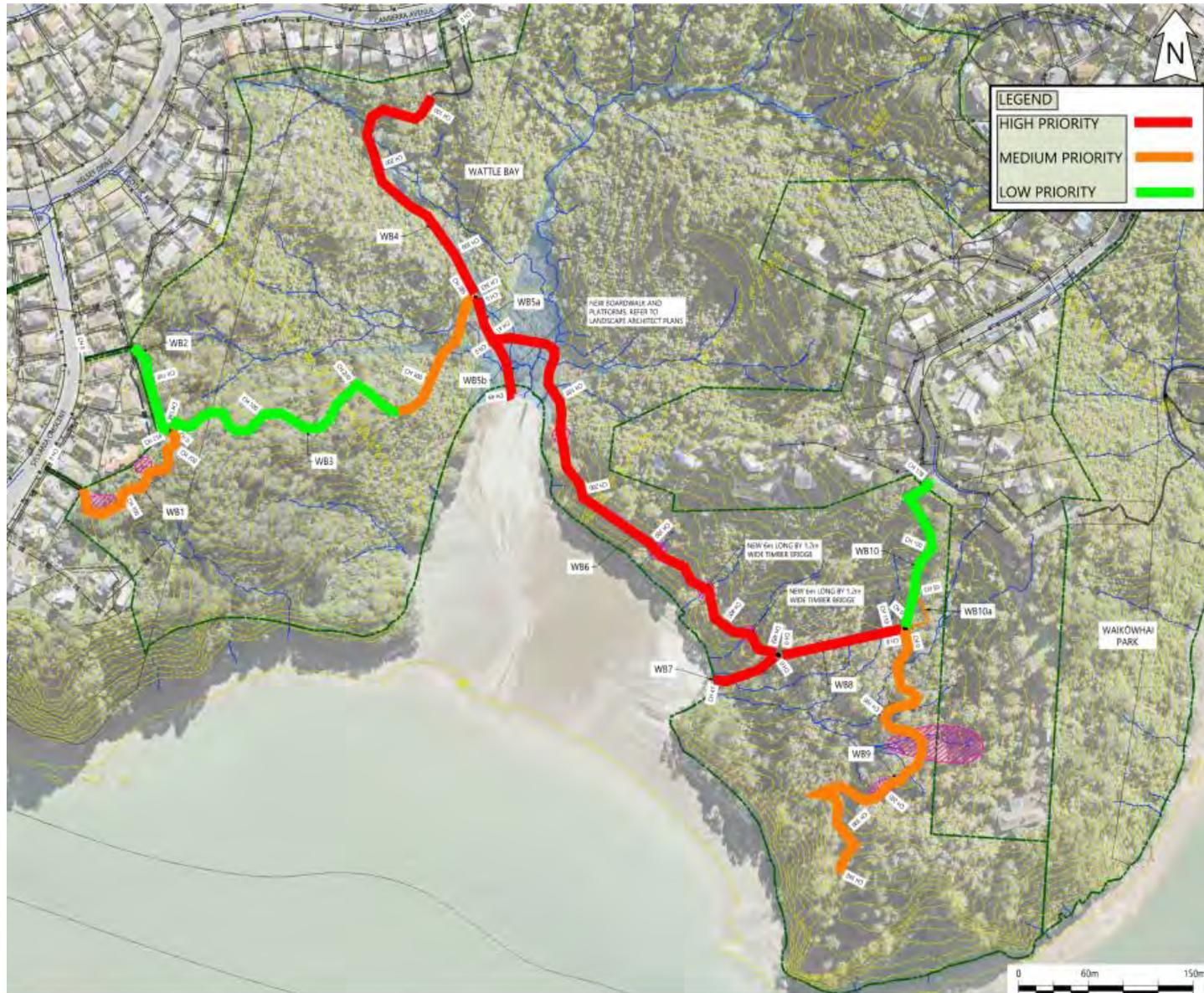
Overall Location Plan



Manukau Domain



Wattle Bay



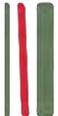
Waikōwhai Park, Captains Bush & Kingswood Reserve



Aldersgate Reserve



Hillsborough and Grannys Bay Reserve



Belfast Reserve



Appendix A: Drawings

AUCKLAND COUNCIL

PUKETĀPAPA COASTAL TRACK UPGRADES

ENGINEERING DRAWINGS

| DRAWING | TITLE | REVISION | DATE |
|-------------|-----------------------|----------|------------|
| 23200 - 000 | OVERALL LOCATION PLAN | 0 | 26/03/2024 |





NOTES:

LEGEND

- PROPERTY BOUNDARY
- RESERVE BOUNDARY
- EXISTING TRACK - NO WORK REQUIRED
- DECOMMISSION TRACK
- FORMAL TRACK UPGRADE AS PER REQUIRED WORK SCHEDULE (RWS)
- CONCRETE PATH
- EXISTING BOARDWALK / STAIRCASE
- NEW LOW BOARDWALK / STAIRCASE
- DAMAGED BOARDWALK
- EXISTING BRIDGE
- NEW BRIDGE

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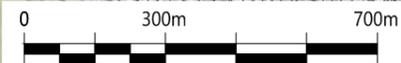


PROJECT:
PUKETĀPAPA COASTAL TRACK UPGRADES

DRAWING:
OVERALL LOCATION PLAN



| | | |
|-----------------------------------|--------------------------|--------------------------|
| DESIGNED BY: C.GLITZ | DRAWN BY: F.CONTRERAS | APPROVED: A.MACKENZIE |
| STATUS: FOR INFORMATION | SCALE: 1:15000 @ A3 | REVISION: 0 |
| DRAWING NO: 23200 - 000 | | |



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AUCKLAND COUNCIL

PUKETĀPAPA COASTAL TRACK UPGRADES - MANUKAU DOMAIN COASTAL TRACK ENGINEERING DRAWINGS

| DRAWING | TITLE | REVISION | DATE |
|-------------------|--|----------|------------|
| 23200 - MDA - 010 | MANUKAU DOMAIN COASTAL TRACK SITE PLAN | 0 | 26/03/2024 |



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NOTES:

LEGEND

- PROPERTY BOUNDARY
- RESERVE BOUNDARY
- CONTOURS
- WATERLINE
- STORMWATER PIPE
- WASTEWATER
- EXISTING TRACK - NO WORK REQUIRED
- DECOMMISSION TRACK
- FORMAL TRACK UPGRADE AS PER REQUIRED WORK SCHEDULE (RWS)
- EXISTING BOARDWALK / STAIRCASE
- NEW LOW BOARDWALK / STAIRCASE
- OVERLAND FLOW PATH
- LANDSLIP APPROX. LOCATION

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| REV | DESCRIPTION | BY | CHKD | DATE |

DESIGNER:



reNature

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PUKETĀPAPA COASTAL TRACK UPGRADES

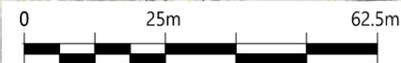
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MANUKAU DOMAIN COASTAL TRACK SITE PLAN

CLIENT:



Auckland Council
 Te Kaunihera o Tamaki Makaurau

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PUKETĀPAPA COASTAL TRACK UPGRADES - WATTLE BAY

ENGINEERING DRAWINGS

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PUKETĀPAPA COASTAL TRACK UPGRADES - WAIKŌWHAI PARK, CAPTAINS BUSH & KINGSWOOD RESERVE

ENGINEERING DRAWINGS

| DRAWING | TITLE | REVISION | DATE |
|------------------|---|----------|------------|
| 23200 - WP - 010 | WAIKŌWHAI PARK, CAPTAINS BUSH & KINGSWOOD RESERVE SITE PLAN | 0 | 26/03/2024 |



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- RESERVE BOUNDARY
- CONTOURS
- WATERLINE
- STORMWATER PIPE
- WASTEWATER
- EXISTING TRACK - NO WORK REQUIRED
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- NEW LOW BOARDWALK / STAIRCASE
- EXISTING BRIDGE
- TIMBER RETAINING
- OVERLAND FLOW PATH
- FLOOD PLAIN
- LANDSLIP APPROX. LOCATION

| | | | | |
|-----|-----------------|----|------|------------|
| 0 | FOR INFORMATION | FC | AM | 26/03/2024 |
| REV | DESCRIPTION | BY | DATE | |



PROJECT:
PUKETĀPAPA COASTAL TRACK UPGRADES

DRAWING:
WAIKŌWHAI PARK, CAPTAINS BUSH & KINGSWOOD RESERVE SITE PLAN



| | | |
|--|--------------------------|--------------------------|
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PUKETĀPAPA COASTAL TRACK UPGRADES - ALDRSGATE RESERVE

ENGINEERING DRAWINGS

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NOTES:

LEGEND

- PROPERTY BOUNDARY
- RESERVE BOUNDARY
- CONTOURS
- WATERLINE W
- STORMWATER PIPE SW
- WASTEWATER SS
- EXISTING TRACK - NO WORK REQUIRED
- DECOMMISSION TRACK
- FORMAL TRACK UPGRADE AS PER REQUIRED WORK SCHEDULE (RWS)
- EXISTING BOARDWALK / STAIRCASE
- NEW LOW BOARDWALK / STAIRCASE
- EXISTING BRIDGE
- NEW BRIDGE
- OVERLAND FLOW PATH
- LANDSLIP APPROX. LOCATION

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|-----|-----------------|----|------|------------|
| 0 | FOR INFORMATION | FC | AM | 26/03/2024 |
| REV | DESCRIPTION | BY | CHKD | DATE |

DESIGNER:



reNature

PROJECT:
PUKETĀPAPA COASTAL TRACK UPGRADES

DRAWING:
ALDERSGATE RESERVE SITE PLAN

CLIENT:



Auckland Council
 Te Kaunihera o Tamaki Makaurau

| | | |
|--|--------------------------|--------------------------|
| DESIGNED BY: C.GLITZ | DRAWN BY: F.CONTRERAS | APPROVED: A.MACKENZIE |
| STATUS: FOR INFORMATION | SCALE: 1:1250 @ A3 | REVISION: 0 |
| DRAWING NO: 23200 - AG - 010 | | |



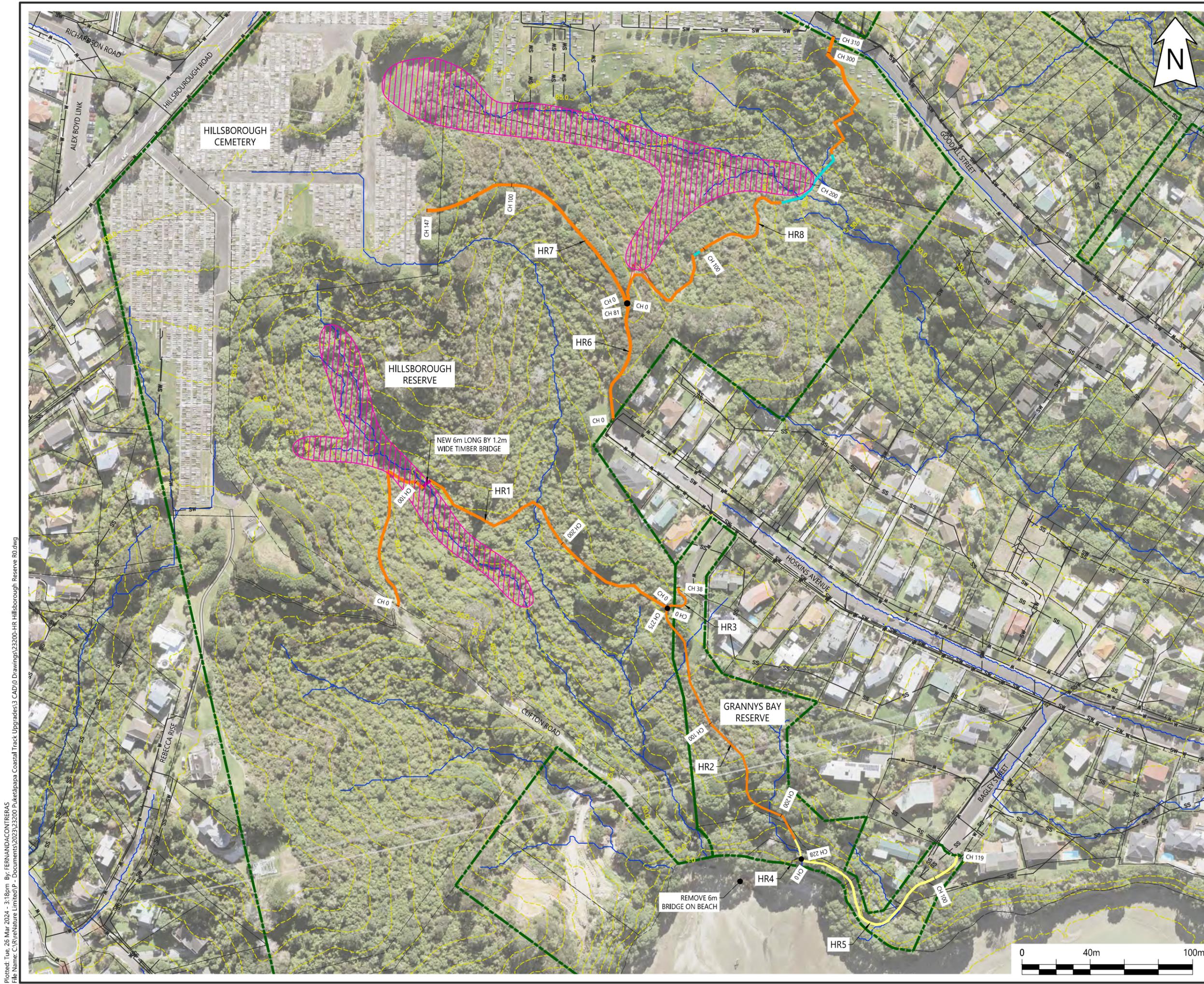
AUCKLAND COUNCIL

PUKETĀPAPA COASTAL TRACK UPGRADES - HILLSBOROUGH & GRANNYS BAY RESERVES

ENGINEERING DRAWINGS

| DRAWING | TITLE | REVISION | DATE |
|------------------|---|----------|------------|
| 23200 - HR - 010 | HILLSBOROUGH & GRANNYS BAY RESERVES SITE PLAN | 0 | 26/03/2024 |





NOTES:

LEGEND

- PROPERTY BOUNDARY
- RESERVE BOUNDARY
- CONTOURS
- WATERLINE
- STORMWATER PIPE
- WASTEWATER
- EXISTING TRACK - NO WORK REQUIRED
- DECOMMISSION TRACK
- FORMAL TRACK UPGRADE AS PER REQUIRED WORK SCHEDULE (RWS)
- CONCRETE PATH
- NEW LOW BOARDWALK
- NEW BRIDGE
- OVERLAND FLOW PATH
- FLOOD PLAIN
- LANDSLIP APPROX. LOCATION

| REV | DESCRIPTION | FC | AM | DATE |
|-----|-----------------|----|-----|------------|
| 0 | FOR INFORMATION | FC | AM | 26/03/2024 |
| | | BY | CHD | DATE |

DESIGNER:

reNature

PROJECT:
PUKETĀPAPA COASTAL TRACK UPGRADES

DRAWING:
HILLSBOROUGH & GRANNYS BAY RESERVES SITE PLAN

CLIENT:

Auckland Council
 Te Kaunihera o Tamaki Makaurau

| | | |
|--|--------------------------|--------------------------|
| DESIGNED BY: C.GLITZ | DRAWN BY: F.CONTRERAS | APPROVED: A.MACKENZIE |
| STATUS: FOR INFORMATION | SCALE: 1:2000 @ A3 | REVISION: 0 |
| DRAWING NO: 23200 - HR - 010 | | |

Plotted: Tue, 26 Mar 2024 - 3:18pm By: FERNANDA CONTRERAS
 File Name: C:\reNature\Projects\23200 Puketāpapa Coastal Track Upgrades\3 CAD\0 Drawings\23200-HR Hillsborough Reserve R0.dwg

AUCKLAND COUNCIL

PUKETĀPAPA COASTAL TRACK UPGRADES -

BELFAST RESERVE

ENGINEERING DRAWINGS

| DRAWING | TITLE | REVISION | DATE |
|------------------|---------------------------|----------|------------|
| 23200 - BR - 010 | BELFAST RESERVE SITE PLAN | 0 | 26/03/2024 |



Plotted: Tue, 26 Mar 2024 - 3:18pm By: FERNANDA CONTRERAS
 File Name: C:\river\reNature Limited\p - Documents\23200 Puketāpapa Coastal Track Upgrades\3 CAD\0 Drawings\23200-BR Belfast Reserve R0.dwg

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 PROJECT NO:
 23200 - BR

Plotted: Tue, 26 Mar 2024 - 3:19pm By: FERNANDA CONTRERAS
 File Name: C:\ReNature\Documents\23200 Puketapapa Coastal Track Upgrades\3 CAD\0 Drawings\23200-BR Belfast Reserve RD.dwg



NOTES:

LEGEND

- PROPERTY BOUNDARY
- RESERVE BOUNDARY
- CONTOURS
- WATERLINE
- STORMWATER PIPE
- WASTEWATER
- EXISTING TRACK - NO WORK REQUIRED
- DECOMMISSION TRACK
- FORMAL TRACK UPGRADE AS PER REQUIRED WORK SCHEDULE (RWS)
- EXISTING BOARDWALK / STAIRCASE
- NEW LOW BOARDWALK / STAIRCASE
- EXISTING BRIDGE
- NEW BRIDGE
- TIMBER RETAINING
- OVERLAND FLOW PATH
- FLOOD PLAIN
- LANDSLIP APPROX. LOCATION
- EXISTING MANHOLE

| | | | | |
|-----|-----------------|----|------|------------|
| 0 | FOR INFORMATION | FC | AM | 26/03/2024 |
| REV | DESCRIPTION | BY | CHKD | DATE |

DESIGNER:

reNature

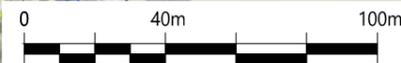
PROJECT:
PUKETĀPAPA COASTAL TRACK UPGRADES

DRAWING:
BELFAST RESERVE SITE PLAN

CLIENT:

Auckland Council
 Te Kaunihera o Tamaki Makaurau

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|-----------------------------------|--------------------------|--------------------------|
| DESIGNED BY: A.MACKENZIE | DRAWN BY: F.CONTRERAS | APPROVED: A.MACKENZIE |
| STATUS: FOR INFORMATION | | SCALE: 1:2000 @ A3 |
| DRAWING NO: 23200 - BR - 010 | | REVISION: 0 |



AUCKLAND COUNCIL

PUKETĀPAPA COASTAL TRACK UPGRADES - MANUKAU COASTAL WALKWAY

ENGINEERING DRAWINGS

| DRAWING | TITLE | REVISION | DATE |
|------------------|-----------------------------------|----------|------------|
| 23200 - OF - 010 | MANUKAU COASTAL WALKWAY SITE PLAN | 0 | 26/03/2024 |



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STATUS:
FOR INFORMATION
PROJECT NO:
23200 - OF



NOTES:

- REFER TO DETAILS FROM ORIGINAL FRAME GROUP DESIGN "MANUKAU COASTAL RESERVES WALKWAY BAMFIELD PLACE TO ONEHUNGA BAY" 13/064 - JANUARY 2015.
- REFER TO AUCKLAND COUNCIL "COASTAL FOREST PLANTING GUIDE".
- ALL DIMENSIONS ARE TO BE CONFIRMED ON SITE.

LEGEND

- PROPERTY BOUNDARY: ---
- RESERVE BOUNDARY: - - -
- CONTOURS: - - -
- WATERLINE: — W —
- STORMWATER PIPE: — SW —
- WASTEWATER: — SS —
- EXISTING TRACK - NO WORK REQUIRED: —
- FORMAL TRACK UPGRADE AS PER REQUIRED WORK SCHEDULE (RWS): —
- EXISTING BOARDWALK: —
- DAMAGED BOARDWALK: —
- OVERLAND FLOW PATH: —
- LANDSLIP APPROX. LOCATION: [Hatched Box]

RELOCATE SLIP MATERIAL FROM ON PATH TO BASE ON HILL, COVER WITH COCONUT MATTING AND PLANT AS PER NOTE 2.

REPLACE ORIGINAL STEEL TUBE AND MESH FENCE WITH NEW TO MATCH ORIGINAL

SLIP LOCATION 1 SCOPE OF WORKS:

- 27m TYPE 'A' BARRIER
- 2 PILES
- 4 BEARERS
- 13 JOISTS
- 8m x 2.5m DECKING
- 3 BRACE SECTIONS
- REINSTATE ARTISTIC PANEL

SLIP LOCATION 2 SCOPE OF WORKS:

- 9m TYPE 'A' BARRIER

SLIP LOCATION 4 SCOPE OF WORKS:

- 9m TYPE 'A' BARRIER
- 1 BEARER
- 6 JOISTS
- 4m x 2.5m DECKING
- 2 BRACE SECTIONS

SLIP LOCATION 3 SCOPE OF WORKS:

- 15m TYPE 'A' BARRIER
- 2 PILES
- 2 BEARERS
- 1 DECKING BOARD
- 2 BRACE SECTIONS

| REV | DESCRIPTION | FC | AM | DATE |
|-----|-----------------|----|----|------------|
| 0 | FOR INFORMATION | FC | AM | 26/03/2024 |

DESIGNER:

PROJECT:
PUKETĀPAPA COASTAL TRACK UPGRADES

DRAWING:
MANUKAU COASTAL WALKWAY SITE PLAN

CLIENT:

| | | |
|--|--------------------------|--------------------------|
| DESIGNED BY: C.GLITZ | DRAWN BY: F.CONTRERAS | APPROVED: A.MACKENZIE |
| STATUS: FOR INFORMATION | SCALE: 1:1250 @ A3 | REVISION: 0 |
| DRAWING NO: 23200 - OF - 010 | | |



Plotted: Tue, 26 Mar 2024 - 3:20pm. By: FERNANDA CONTRERAS
File Name: C:\reNature\2023\23200 Puketāpapa Coastal Track Upgrades\3 CAD\0 Drawings\23200-OF Manukau Coastal Walkway R0.dwg