Attachments

Attachment A Principal Contractor contaminated material management specifications

LEGEND

identified

Potential Contamination Sources

Permanent shaft

— Concept Design Alignment

Approximate construction areas

SUMMARY OF CONTAMINATED MATERIAL MANAGEMENT OPTIONS (TABLE 2, CLMP)

- 1. General controls for earthworks (spoil handling and disposal requirements), including unexpected contamination discovery protocol are provided within this CLMP. Further soil testing to inform soil disposal maybe required, subject to confirmation with disposal facility.
- 2. General controls for groundwater and stormwater provided within this CLMP. Supporting groundwater data from the City Rail Link (CRL) project, if available will be beneficial to inform construction management for SH01.

TESTING AND DISPOSAL REQUIREMENTS (TABLE 8, CLMP)

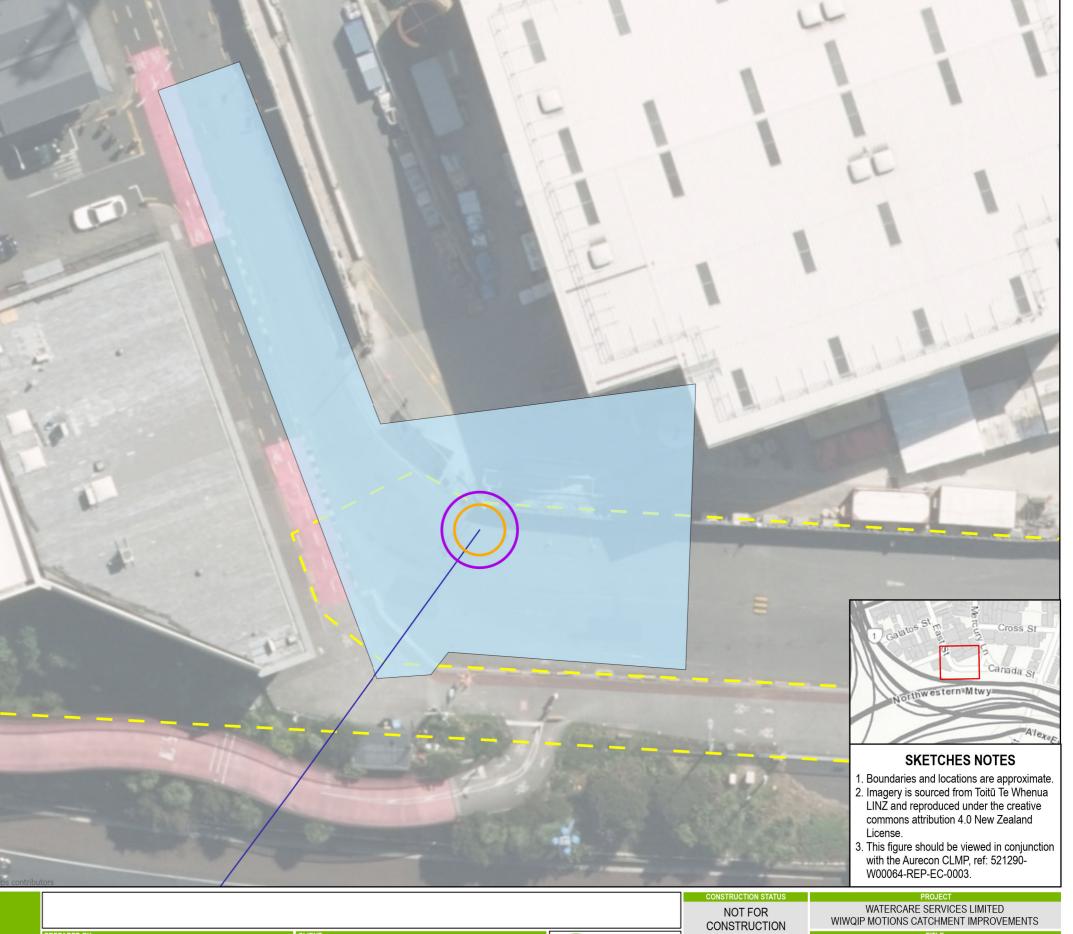
- 1. **Spoil < 2m** Offsite disposal to suitably licenced Class 3 licenced landfill facility. Confirmation with landfill facility will be required.
- 2. **Spoil > 2m** Suitable for offsite disposal to a cleanfill facility. Confirmation with landfill facility will be required.
- 3. Groundwater Pending confirmation.
- 4. **Stormwater** Pending confirmation.

UNEXPECTED CONTAMINATION DISCOVERY PROTOCOL

1. Refer to CLMP Table 6.

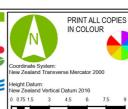
CLMP SECTION REFERENCES

- 1. Refer to **Section 4** for **Site management procedures** relating to consents and plans, site record keeping and monitoring requirements. induction and awareness.
- 2. Refer to **Section 5** for **Environmental management procedure** relating to excavation, transportation and disposal of spoil, erosion and sediment control and ESCP, stockpiling, dust and odour management controls, groundwater management and dewatering, and imported material.
- 3. Refer to Section 6 for Health and safety controls relating to site control information required and PPE.









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PRINCIPAL CONTRACTOR - CONTAMINATED MATERIALS SPECIFICATIONS SHAFT SH01

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LEGEND

Potential Contamination Sources

HAIL G3: Closed landfill

Unknown HAIL tag

Remediated HAIL site

Not HAIL, potential contamination identified

— Concept Design Alignment

Permanent shaft

Temporary shaft

Approximate construction areas

SUMMARY OF CONTAMINATED MATERIAL MANAGEMENT OPTIONS (TABLE 2, CLMP)

- 1. General controls for earthworks (spoil handling and disposal requirements) are provided within this CLMP.
- 2. Confirmation of final resource consent conditions associated with groundwater and/or stormwater management is required for SH02.

TESTING AND DISPOSAL REQUIREMENTS (TABLE 8, CLMP)

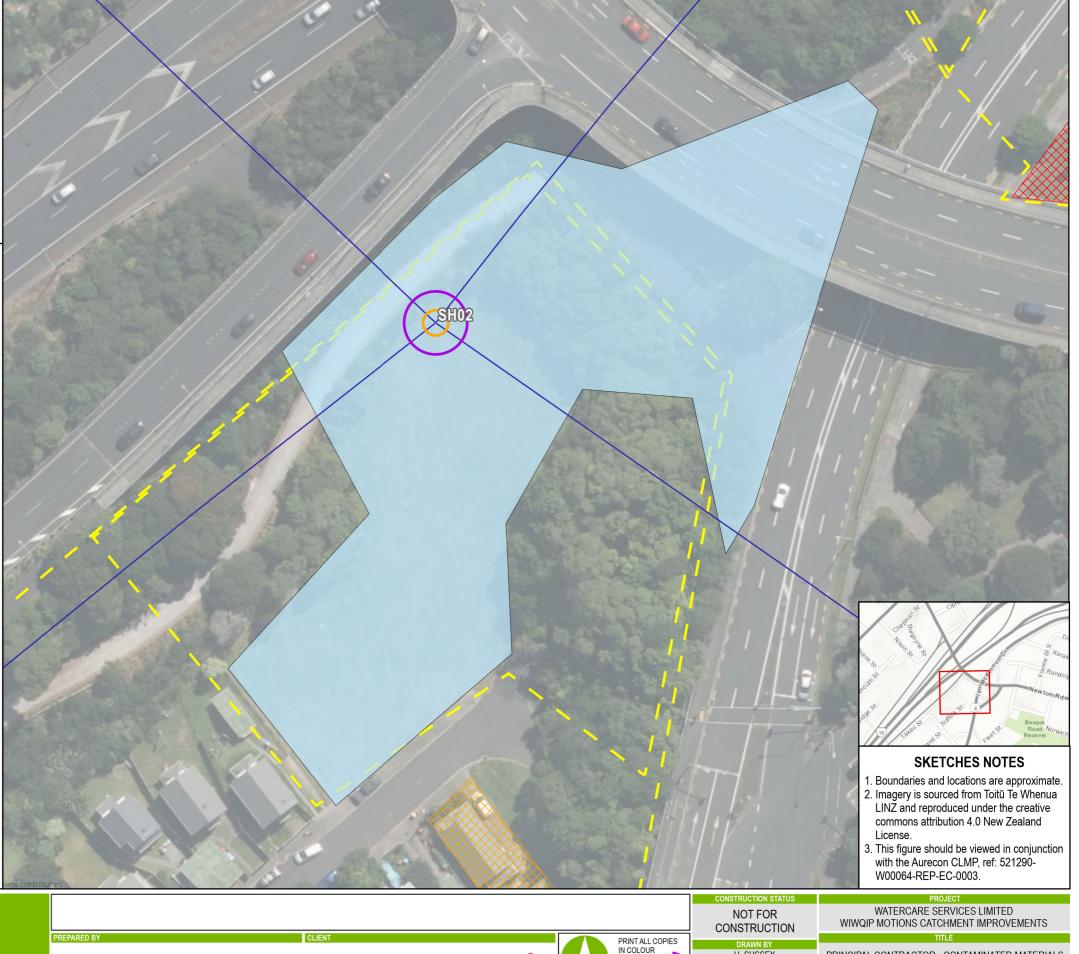
- 1. **Spoil < 2 m** Offsite disposal to suitably licenced Class 3 landfill facility.
- 2. **Spoil > 2 m** Suitable for offsite disposal to a cleanfill facility.
- 3. **Groundwater** Pending confirmation.
- 4. **Stormwater** Pending confirmation.

UNEXPECTED CONTAMINATION DISCOVERY PROTOCOL

1. Refer to CLMP Table 6.

CLMP SECTION REFERENCES

- 1. Refer to **Section 4** for **Site management procedures** relating to consents and plans, site record keeping and monitoring requirements, induction and awareness.
- 2. Refer to **Section 5** for **Environmental management procedure** relating to excavation, transportation and disposal of spoil, erosion and sediment control and ESCP, stockpiling, dust and odour management controls, groundwater management and dewatering, and imported material.
- 3. Refer to **Section 6** for **Health and safety controls** relating to site control information required and PPE.



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PRINCIPAL CONTRACTOR - CONTAMINATED MATERIALS SPECIFICATIONS SHAFT SH02

521290-064

521290-W00064-SKT-EC-1002

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LEGEND

Potential Contamination Sources

identified

— Concept Design Alignment

Permanent shaft

Approximate construction areas

SUMMARY OF CONTAMINATED MATERIAL MANAGEMENT OPTIONS (TABLE 2, CLMP)

- 1. General controls for earthworks (spoil handling and disposal requirements) are provided within this CLMP.
- 2. General controls for groundwater and stormwater provided within this CLMP.

TESTING AND DISPOSAL REQUIREMENTS (TABLE 8, CLMP)

- 1. **Spoil** All spoil is suitable for offsite disposal to a cleanfill facility.
- 2. **Groundwater** Groundwater is not impacted by concentrations of contaminants that require additional management.
- 3. **Stormwater** Not required, if stormwater controls in place while managing spoil removal <2m.

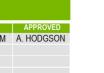
UNEXPECTED CONTAMINATION DISCOVERY PROTOCOL

1. Refer to CLMP Table 6.

CLMP SECTION REFERENCES

- 1. Refer to **Section 4** for **Site management procedures** relating to consents and plans, site record keeping and monitoring requirements, induction and awareness.
- 2. Refer to **Section 5** for **Environmental management procedure** relating to excavation, transportation and disposal of spoil, erosion and sediment control and ESCP, stockpiling, dust and odour management controls, groundwater management and dewatering, and imported material.
- 3. Refer to **Section 6** for **Health and safety controls** relating to site control information required and PPE.

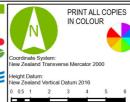




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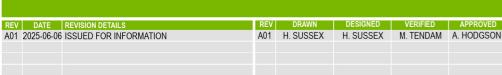




PRINCIPAL CONTRACTOR - CONTAMINATED MATERIALS H. SUSSEX

SPECIFICATIONS SHAFT SH03 H. SUSSEX

S2 521290-W00064-SKT-EC-1003 FOR INFORMATION SHARED 1:200 521290-064



LEGEND

Potential Contamination Sources

HAIL G3: Closed landfill

Not HAIL, potential contamination identified

— Concept Design Alignment

Permanent shaft Temporary shaft

Approximate construction areas

SUMMARY OF CONTAMINATED MATERIAL MANAGEMENT OPTIONS (TABLE 2, CLMP)

- 1. General controls for earthworks (spoil handling and disposal requirements) are provided within this CLMP.
- 2. General controls for groundwater and stormwater provided within this CLMP.

TESTING AND DISPOSAL REQUIREMENTS (TABLE 8, CLMP)

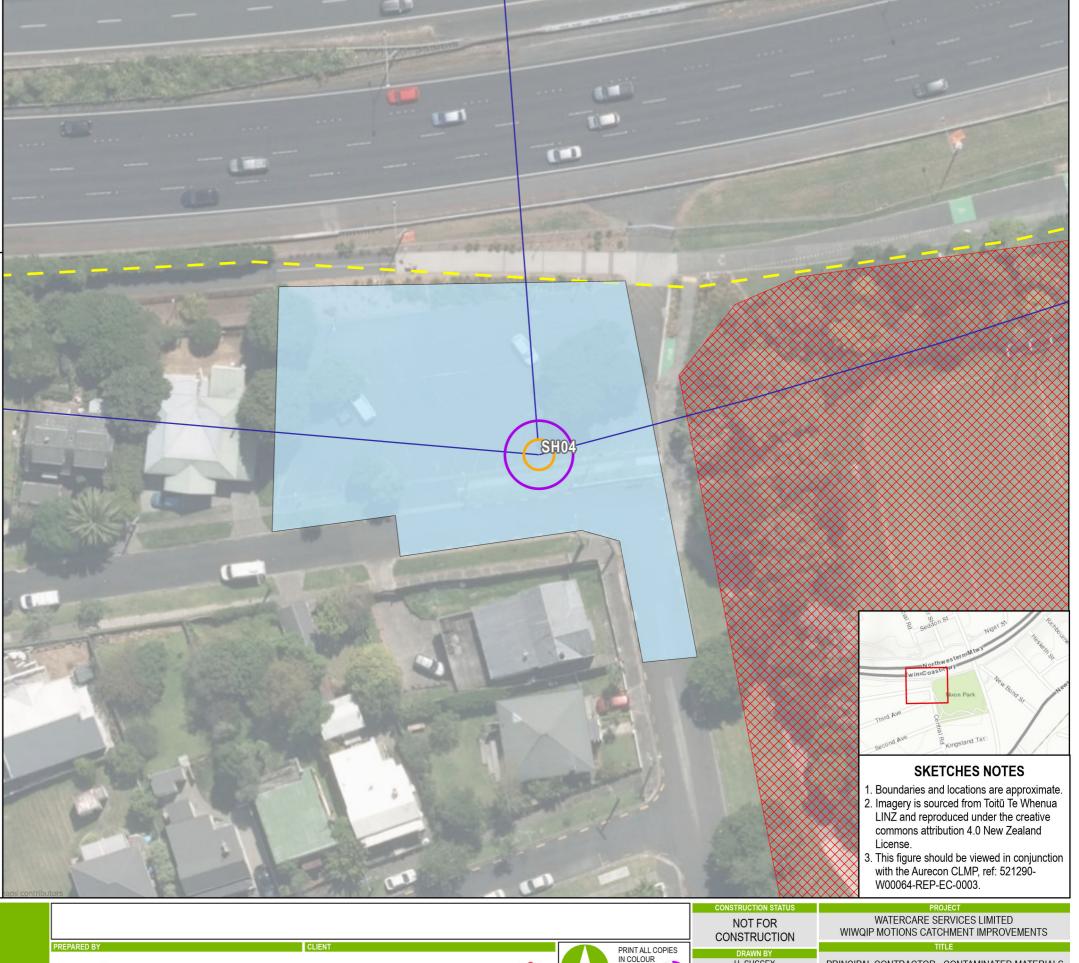
- 1. **Spoil < 2 m** Offsite disposal to suitably licenced Class 3 landfill facility.
- 2. **Spoil > 2 m** Suitable for offsite disposal to a cleanfill facility.
- 3. **Groundwater** Groundwater is not impacted by concentrations of contaminants that require additional management.
- 4. **Stormwater** Not required, if stormwater controls in place while managing spoil removal <2m.

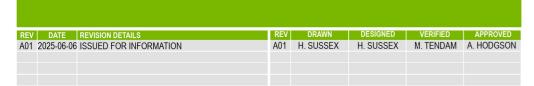
UNEXPECTED CONTAMINATION DISCOVERY PROTOCOL

1. Refer to CLMP Table 6.

CLMP SECTION REFERENCES

- 1. Refer to **Section 4** for **Site management procedures** relating to consents and plans, site record keeping and monitoring requirements, induction and awareness.
- 2. Refer to **Section 5** for **Environmental management procedure** relating to excavation, transportation and disposal of spoil, erosion and sediment control and ESCP, stockpiling, dust and odour management controls, groundwater management and dewatering, and imported material.
- 3. Refer to Section 6 for Health and safety controls relating to site control information required and PPE.











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PRINCIPAL CONTRACTOR - CONTAMINATED MATERIALS SPECIFICATIONS SHAFT SH04

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Potential Contamination Sources

Not HAIL, potential contamination identified

— Concept Design Alignment

Permanent shaft

Temporary shaft

Approximate construction areas

SUMMARY OF CONTAMINATED MATERIAL MANAGEMENT OPTIONS (TABLE 2, CLMP)

- 1. General controls for earthworks (spoil handling and disposal requirements) are provided within this CLMP.
- 2. General controls for groundwater and stormwater provided within this CLMP.

TESTING AND DISPOSAL REQUIREMENTS (TABLE 8, CLMP)

- 1. **Spoil < 2 m** Offsite disposal to suitably licenced Class 3 landfill facility.
- 2. **Spoil > 2 m** Suitable for offsite disposal to a cleanfill facility.
- 3. **Groundwater** Groundwater is not impacted by concentrations of contaminants that require additional management.
- 4. **Stormwater** Not required, if stormwater controls in place while managing spoil removal <2m.

UNEXPECTED CONTAMINATION DISCOVERY PROTOCOL

1. Refer to CLMP Table 6.

CLMP SECTION REFERENCES

- 1. Refer to **Section 4** for **Site management procedures** relating to consents and plans, site record keeping and monitoring requirements, induction and awareness.
- 2. Refer to **Section 5** for **Environmental management procedure** relating to excavation, transportation and disposal of spoil, erosion and sediment control and ESCP, stockpiling, dust and odour management controls, groundwater management and dewatering, and imported material.
- 3. Refer to Section 6 for Health and safety controls relating to site control information required and PPE.



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Potential Contamination Sources

ion \square

Permanent shaft

Not HAIL, potential contamination identified

Temporary shaft

— Concept Design Alignment

Approximate construction areas

SUMMARY OF CONTAMINATED MATERIAL MANAGEMENT OPTIONS (TABLE 2, CLMP)

- 1. General controls for earthworks (spoil handling and disposal requirements) are provided within this CLMP.
- 2. General controls for groundwater and stormwater provided within this CLMP.

TESTING AND DISPOSAL REQUIREMENTS (TABLE 8, CLMP)

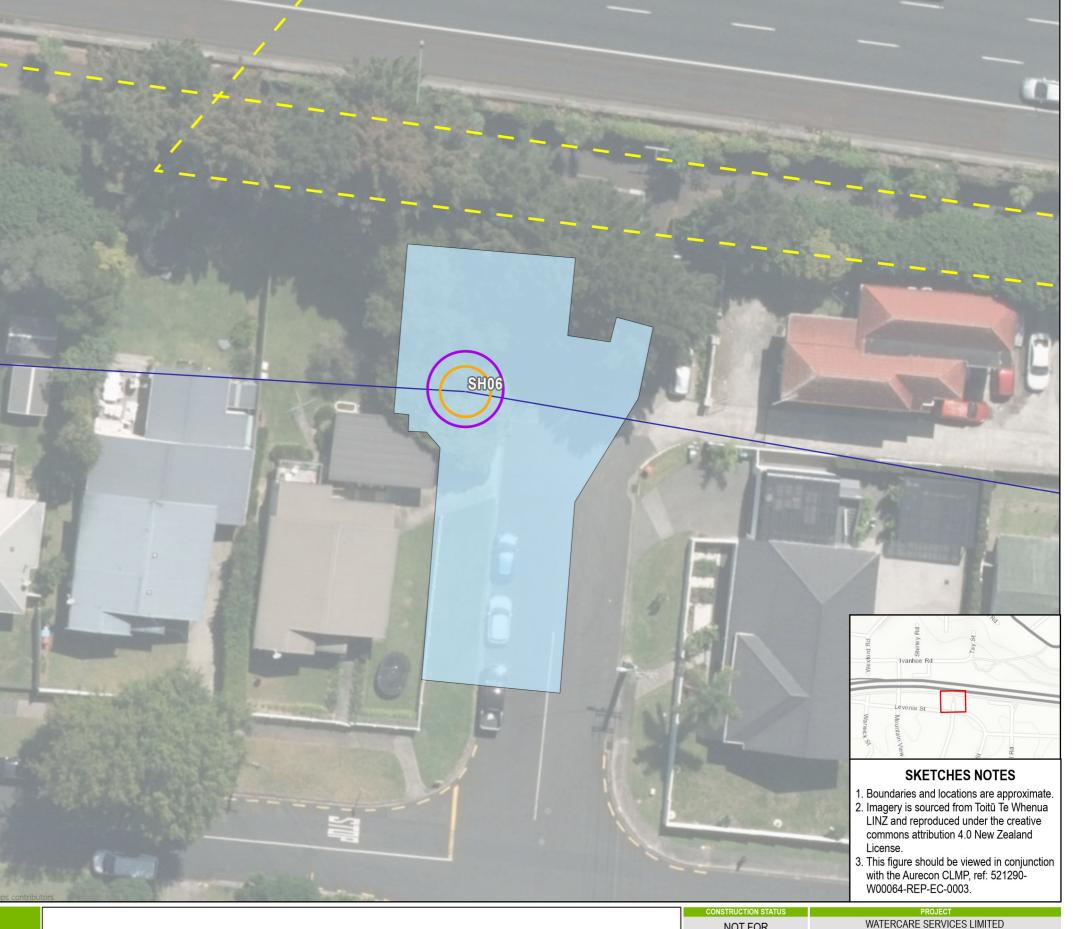
- Spoil < 2 m Offsite disposal to suitably licenced Class 3 landfill facility.
- 2. **Spoil > 2 m** Suitable for offsite disposal to a cleanfill facility.
- 3. **Groundwater** Groundwater is not impacted by concentrations of contaminants that require additional management.
- 4. **Stormwater** Not required, if stormwater controls in place while managing spoil removal <2m.

UNEXPECTED CONTAMINATION DISCOVERY PROTOCOL

1. Refer to CLMP Table 6.

CLMP SECTION REFERENCES

- 1. Refer to **Section 4** for **Site management procedures** relating to consents and plans, site record keeping and monitoring requirements, induction and awareness.
- 2. Refer to **Section 5** for **Environmental management procedure** relating to excavation, transportation and disposal of spoil, erosion and sediment control and ESCP, stockpiling, dust and odour management controls, groundwater management and dewatering, and imported material.
- 3. Refer to **Section 6** for **Health and safety controls** relating to site control information required and PPE.



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PRINCIPAL CONTRACTOR - CONTAMINATED MATERIALS SPECIFICATIONS SHAFT SH06

WIWQIP MOTIONS CATCHMENT IMPROVEMENTS

521290-064

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REV DATE REVISION DETAILS REV DRAWN DESIGNED VERIFIED APPROVED
A01 2025-06-06 ISSUED FOR INFORMATION A01 H. SUSSEX H. SUSSEX M. TENDAM A. HODGSON

aurecon Water

LEGEND

Potential Contamination Sources

XX HAIL I: Release of contaminants

Not HAIL, potential contamination identified

— Concept Design Alignment

Permanent shaft Temporary shaft

Approximate construction areas

SUMMARY OF CONTAMINATED MATERIAL MANAGEMENT OPTIONS (TABLE 2, CLMP)

- 1. General controls for earthworks (spoil handling and disposal requirements) are provided within this CLMP.
- 2. General controls for groundwater and stormwater provided within this CLMP.

TESTING AND DISPOSAL REQUIREMENTS (TABLE 8, CLMP)

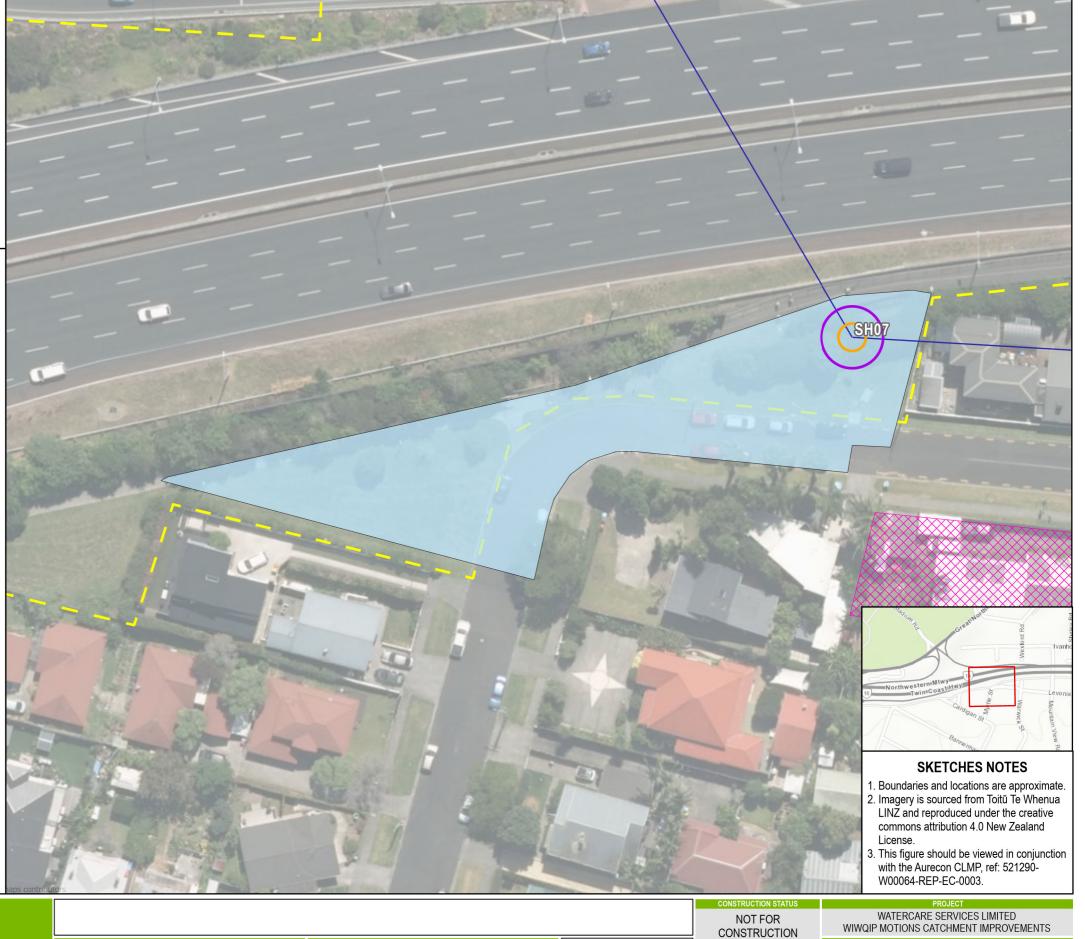
- 1. **Spoil** All spoil is suitable for offsite disposal to a cleanfill facility.
- 2. **Groundwater** Groundwater is not impacted by concentrations of contaminants that require additional management.
- 3. **Stormwater** Not required, if stormwater controls in place while managing spoil removal <2m.

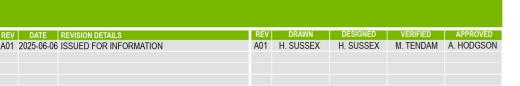
UNEXPECTED CONTAMINATION DISCOVERY PROTOCOL

1. Refer to CLMP Table 6.

CLMP SECTION REFERENCES

- 1. Refer to **Section 4** for **Site management procedures** relating to consents and plans, site record keeping and monitoring requirements, induction and awareness.
- 2. Refer to **Section 5** for **Environmental management procedure** relating to excavation, transportation and disposal of spoil, erosion and sediment control and ESCP, stockpiling, dust and odour management controls, groundwater management and dewatering, and imported material.
- 3. Refer to Section 6 for Health and safety controls relating to site control information required and PPE.











CONSTRUCTION STAT	US	PROJECT				
NOT FOR CONSTRUCTION		WATERCARE SERVICES LIMITED WIWQIP MOTIONS CATCHMENT IMPROVEMENTS				
DRAWN BY		TITLE				
H. SUSSEX		PRINCIPAL CONTRACTOR - CONTAMINATED MATERIALS				
DESIGNED BY		SPECIFICATIONS SHAFT SH07				
H. SUSSEX						
STATUS	CODE	DOCUMENT CODE				
FOR INFORMATION	S2	521290-W00064-SKT-EC-1007				
DOCUMENT STATE		SCALE SIZE REFERENCE No. REV				
SHARED 1:550 A3 52129		521290-064	A01			

LEGEND

Potential Contamination Sources

MAIL F4: Automotive workshop

MAIL I: Release of contaminants

Not HAIL, potential contamination

— Concept Design Alignment

Permanent shaft

Temporary shaft

Approximate construction areas

SUMMARY OF CONTAMINATED MATERIAL MANAGEMENT OPTIONS (TABLE 2, CLMP)

- 1. General controls for earthworks (spoil handling and disposal requirements), including unexpected contamination discovery protocol are provided within this CLMP. Further soil testing to inform soil disposal maybe required, subject to confirmation with disposal facility.
- 2. General controls for groundwater and stormwater provided within this CLMP. Supporting groundwater data from the Central Interceptor project, if available will be beneficial to inform construction management for SH08.

TESTING AND DISPOSAL REQUIREMENTS (TABLE 8, CLMP)

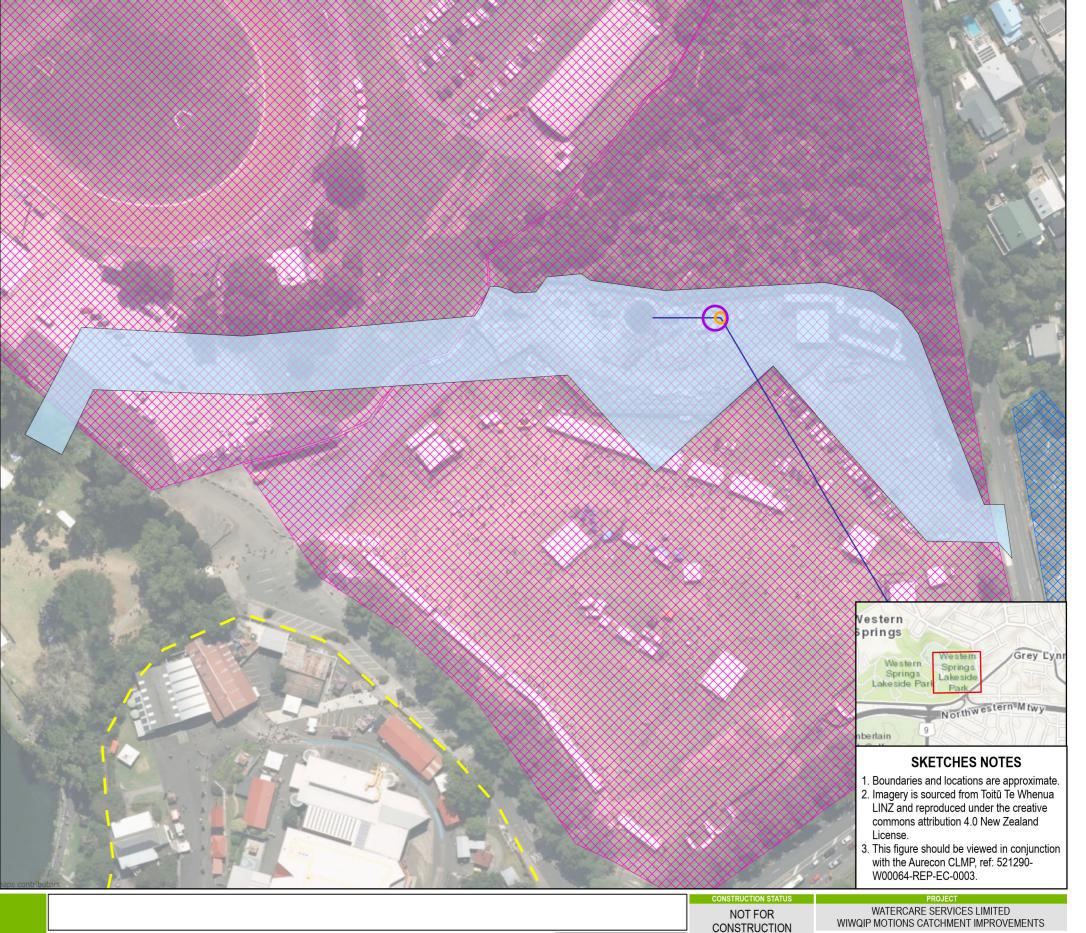
- 1. **Spoil < 2m** Offsite disposal to suitably licenced Class 3 licenced landfill facility. Confirmation with landfill facility will be required.
- 2. **Spoil > 2m** Suitable for offsite disposal to a cleanfill facility. Confirmation with landfill facility will be required.
- 3. **Groundwater** Pending confirmation.
- 4. **Stormwater** Pending confirmation.

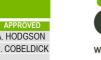
UNEXPECTED CONTAMINATION DISCOVERY PROTOCOL

1. Refer to CLMP Table 6.

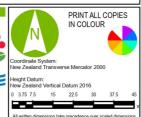
CLMP SECTION REFERENCES

- 1. Refer to **Section 4** for **Site management procedures** relating to consents and plans, site record keeping and monitoring requirements, induction and awareness.
- 2. Refer to **Section 5** for **Environmental management procedure** relating to excavation, transportation and disposal of spoil, erosion and sediment control and ESCP, stockpiling, dust and odour management controls, groundwater management and dewatering, and imported material.
- 3. Refer to **Section 6** for **Health and safety controls** relating to site control information required and PPE.









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PRINCIPAL CONTRACTOR - CONTAMINATED MATERIALS SPECIFICATIONS SHAFT SH08

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