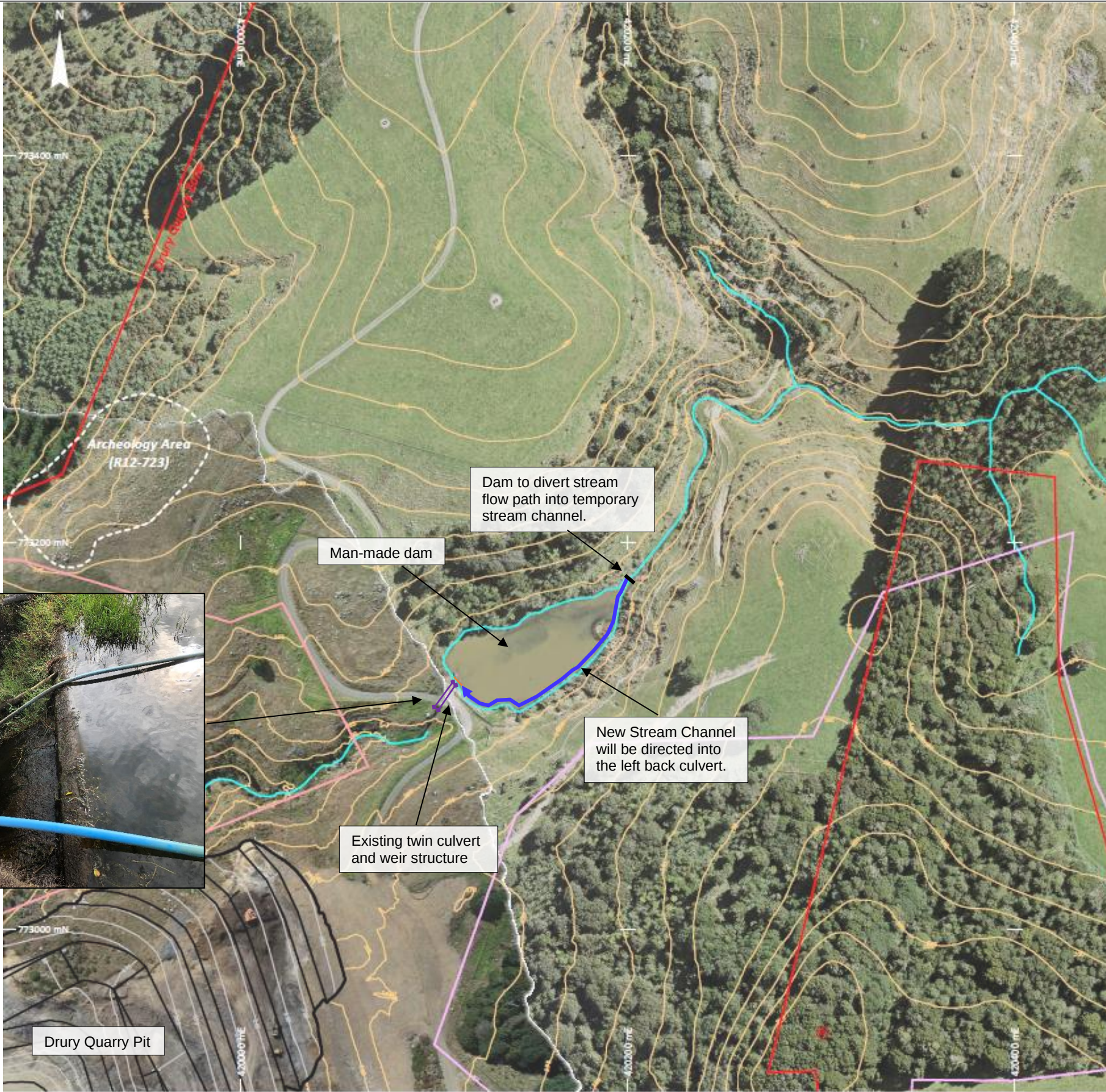


Erosion and Sediment Control Drawing Schedule

Title	Drawing No.	Sheet No.	Revision	Date
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Enabling Works	ESCP-DQSB-01	1	D	14.12.23
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Stage 1: Phase 1	ESCP-DQSB-02	2	D	14.12.23
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Stage 1: Phase 2	ESCP-DQSB-03	3	D	14.12.23
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Stage 1: Phase 3	ESCP-DQSB-04	4	D	14.12.23
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Stage 1: Phase 4	ESCP-DQSB-05	5	D	14.12.23
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Stage 1: Phase 5	ESCP-DQSB-06	6	D	14.12.23
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Stage 1: Phase 6	ESCP-DQSB-07	7	D	14.12.23
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Stage 1: Phase 7	ESCP-DQSB-08	8	E	12.02.24
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Stage 1: Phase 8	ESCP-DQSB-09	9	E	12.02.24
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Stage 1: Phase 9	ESCP-DQSB-10	10	E	12.02.24
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Northern Bund	ESCP-DQSB-NB-01	11	C	26.09.23
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – NW Haul Road	ESCP-DQSB-HR-01	12	B	26.09.23
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Overburden Stockpile Area	ESCP-DQSB-OB-01	13	B	14.12.23
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Stage 1: Pit Plan 3-Year (Indicative)	ESCP-DQSB-P-01	14	C	12.02.24
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Stage 2: Pit Plan 15-Year (Indicative)	ESCP-DQSB-P-02	15	C	12.02.24
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Stage 3: Pit Plan 30-Year (Indicative)	ESCP-DQSB-P-03	16	C	12.02.24
Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Stage 4: Pit Plan 40-Year (Indicative)	ESCP-DQSB-P-04	17	E	17.10.24

Erosion and Sediment Control Drawing Schedule

Drury Quarry – Sutton Block Erosion and Sediment Control Plan – Stage 5: Pit Plan Final	ESCP-DQSB-P-05	18	A	17.10.24
Drury Quarry – Sutton Block - Pit Plan 3-Year (Indicative) – Sutton Pit Water Management	ESCP-Sutton Blk-H20	19	C	17.10.24

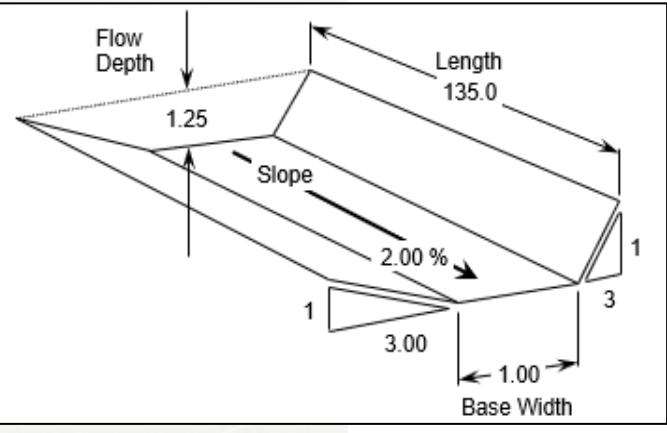


Construction Methodology:

Enabling works to allow for the establishment of SRP-1.

1. Removal of the weir to allow the stream to flow to re-establish its flow path along its original alignment. This will allow the dam to begin to dry up for approximately 2 months before earthworks commence.
2. To be constructed offline, a new temporary stream channel will be established around the outside (left bank) of the dam footprint and will discharge into the left back culvert at the road crossing.
3. Once the new temporary stream channel has been constructed and stabilised, the construction of the dam upstream of the current lake footprint will allow water to flow into the new stream channel. Stabilised temporary dams and over-pumping will be set up to construct this dam.
4. Mucking out of the old lake/dam will occur once the stream has been diverted to the new stream channel.
5. An SRP (refer to ESCP-DQSB-02) will be built within the dam footprint and will discharge into the right back culvert. The SRP will be constructed to service the largest catchment area across all stages in this area.

New Stream Channel cross-section



**KEY
Erosion and Sediment Control**

- Dirty Water Diversion
- Clean Water Diversion
- Silt Fence
- Sediment Retention Pond
- Decanting Earth Bund (DEB)
- Constructed Stream Channel
- Culvert

NOTES

1. All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05).
2. Earthworks are to be programmed to ensure rapid stabilisation.
3. All erosion and sediment control measures will be inspected on a daily basis by the site foreman.
4. Site monitoring will be undertaken before and immediately after rain as well as during heavy rainfall events. Any required maintenance or improvements to control measures will be undertaken immediately.

REV	DATE	REVISION DETAILS	APPROVED
A	19.05.22	Draft for review.	
B	29.06.22	Consent issue.	
C	20.09.23	Review for consent issue	
D	14.12.23	Update of Naming and Phasing Protocols	



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Project

DRURY QUARRY – SUTTON BLOCK

Title

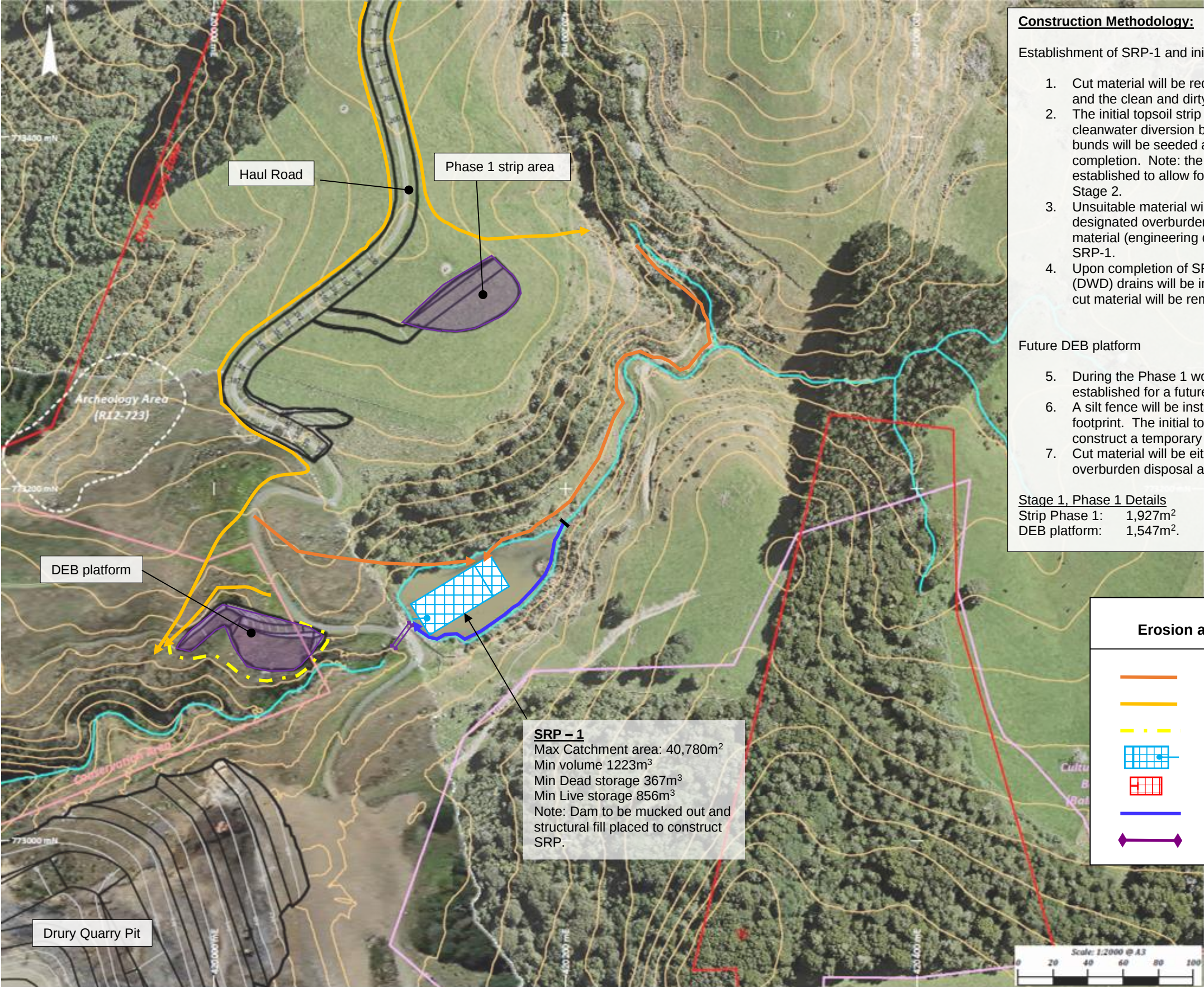
Erosion and Sediment Control Plan –
Stage 1: Enabling Works

Drawing No.

ESCP-DQSB-01

Sheet No.

1



Construction Methodology:

Establishment of SRP-1 and initial strip.

1. Cut material will be required to establish the SRP-1 and the clean and dirty water diversions.
2. The initial topsoil strip will be used to establish the cleanwater diversion bunds (CWB). The diversion bunds will be seeded and mulched immediately upon completion. Note: the CWB alignment is to be established to allow for the future phases through to Stage 2.
3. Unsuitable material will be cut and taken to the designated overburden disposal site. Suitable material (engineering quality) will be used to establish SRP-1.
4. Upon completion of SRP-1, the dirty water diversion (DWD) drains will be installed. Any remaining cut material will be removed from Phase 1.

Future DEB platform

5. During the Phase 1 works, a platform will also be established for a future DEB.
6. A silt fence will be installed below the platform footprint. The initial topsoil strip will be used to construct a temporary CWB.
7. Cut material will be either taken to the designated overburden disposal area or used to construct SRP-1.

Stage 1, Phase 1 Details

Strip Phase 1: 1,927m²
DEB platform: 1,547m².

**KEY
Erosion and Sediment Control**

- Dirty Water Diversion
- Clean Water Diversion
- Silt Fence
- Sediment Retention Pond
- Decanting Earth Bund (DEB)
- Constructed Stream Channel
- Culvert

SRP - 1
Max Catchment area: 40,780m²
Min volume 1223m³
Min Dead storage 367m³
Min Live storage 856m³
Note: Dam to be mucked out and structural fill placed to construct SRP.

NOTES

1. All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05).
2. Earthworks are to be programmed to ensure rapid stabilisation.
3. All erosion and sediment control measures will be inspected on a daily basis by the site foreman.
4. Site monitoring will be undertaken before and immediately after rain as well as during heavy rainfall events. Any required maintenance or improvements to control measures will be undertaken immediately.

REV	DATE	REVISION DETAILS	APPROVED
A	05.05.22	Draft for review.	
B	28.06.22	Haul Road added	
C	20.09.23	Review for consent issue	
D	14.12.23	Update of Naming and Phasing Protocols	



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Project

DRURY QUARRY – SUTTON BLOCK

Title

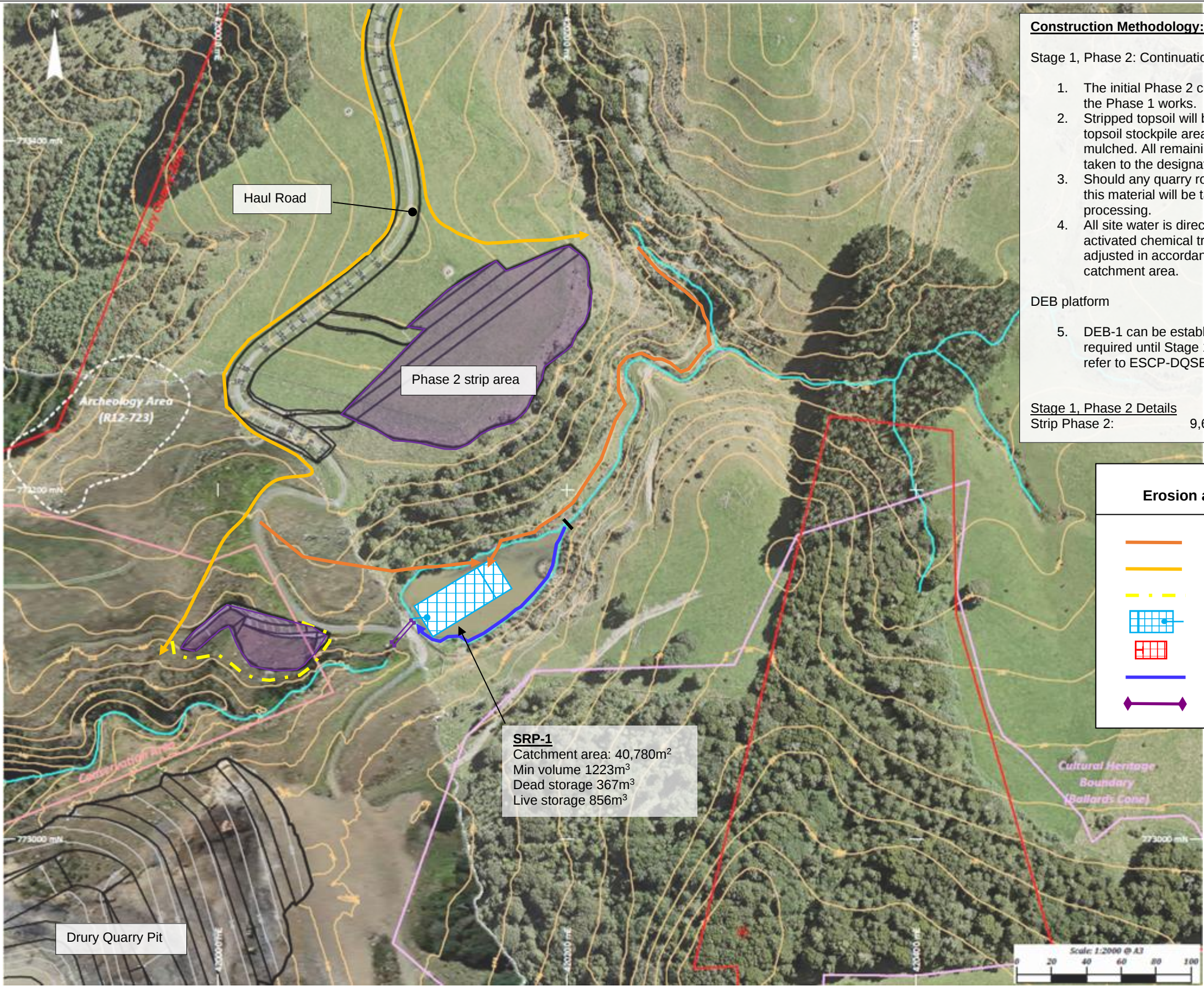
Erosion and Sediment Control Plan
Stage 1: Phase 1

Drawing No.

ESCP-DQSB-02

Sheet No.

2



Construction Methodology:

Stage 1, Phase 2: Continuation of staged cut.

1. The initial Phase 2 cut will be extended as part of the Phase 1 works.
2. Stripped topsoil will be taken to the designated topsoil stockpile area and will be seeded and mulched. All remaining overburden material will be taken to the designated overburden disposal site.
3. Should any quarry rock material be encountered, this material will be taken to the Drury Quarry for processing.
4. All site water is directed to SRP-1. Note: rainfall activated chemical treatment shed tray size to be adjusted in accordance with CTMP and contributing catchment area.

DEB platform

5. DEB-1 can be established at any time. It will not be required until Stage 1 Phase 5. For sizing details refer to ESCP-DQSB-06.

Stage 1, Phase 2 Details

Strip Phase 2: 9,623m²

**KEY
Erosion and Sediment Control**

- Dirty Water Diversion
- Clean Water Diversion
- Silt Fence
- Sediment Retention Pond
- Decanting Earth Bund (DEB)
- Constructed Stream Channel
- Culvert

SRP-1
Catchment area: 40,780m²
Min volume 1223m³
Dead storage 367m³
Live storage 856m³

NOTES

1. All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05).
2. Earthworks are to be programmed to ensure rapid stabilisation.
3. All erosion and sediment control measures will be inspected on a daily basis by the site foreman.
4. Site monitoring will be undertaken before and immediately after rain as well as during heavy rainfall events. Any required maintenance or improvements to control measures will be undertaken immediately.

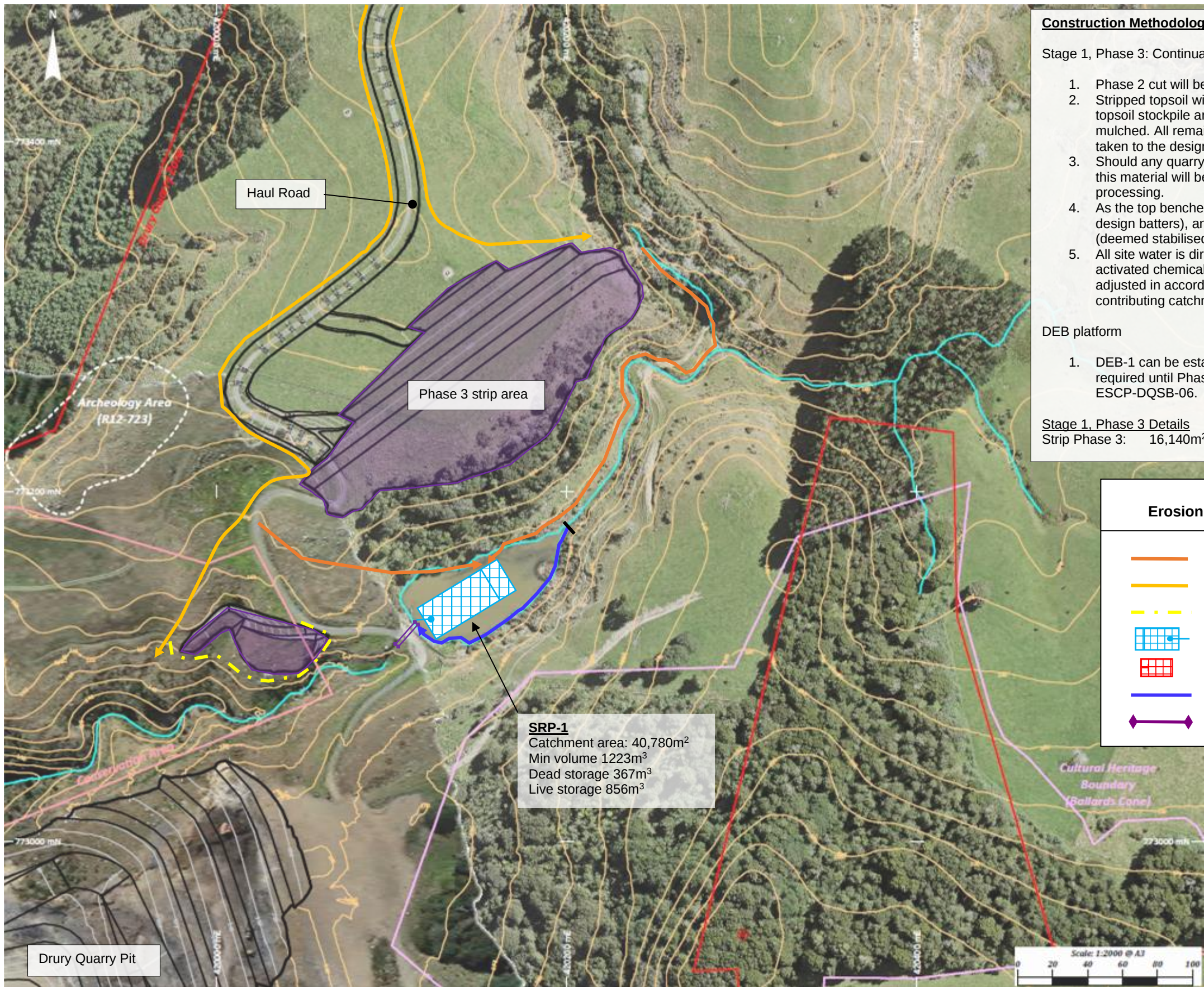
REV	DATE	REVISION DETAILS	APPROVED
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D	14.12.23	Update of Naming and Phasing Protocols	



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Project	DRURY QUARRY – SUTTON BLOCK
Title	Erosion and Sediment Control Plan – Stage 1: Phase 2
Drawing No.	ESCP-DQSB-03
Sheet No.	3



Construction Methodology:

Stage 1, Phase 3: Continuation of staged cut.

1. Phase 2 cut will be extended.
2. Stripped topsoil will be taken to the designated topsoil stockpile area and will be seeded and mulched. All remaining overburden material will be taken to the designated overburden disposal site.
3. Should any quarry rock material be encountered, this material will be taken to the Drury Quarry for processing.
4. As the top benches are completed (trimmed to design batters), any batters that are not rock (deemed stabilised) will be hydroseeded.
5. All site water is directed to SRP-1. Note: rainfall activated chemical treatment shed roof tray to be adjusted in accordance with CTMP and the contributing catchment area.

DEB platform

1. DEB-1 can be established at any time. It will not be required until Phase 5. For sizing details refer to ESCP-DQSB-06.

Stage 1, Phase 3 Details
Strip Phase 3: 16,140m²

**KEY
Erosion and Sediment Control**

- Dirty Water Diversion
- Clean Water Diversion
- Silt Fence
- Sediment Retention Pond
- Decanting Earth Bund (DEB)
- Constructed Stream Channel
- Culvert

SRP-1
Catchment area: 40,780m²
Min volume 1223m³
Dead storage 367m³
Live storage 856m³

NOTES

1. All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05).
2. Earthworks are to be programmed to ensure rapid stabilisation.
3. All erosion and sediment control measures will be inspected on a daily basis by the site foreman.
4. Site monitoring will be undertaken before and immediately after rain as well as during heavy rainfall events. Any required maintenance or improvements to control measures will be undertaken immediately.

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A	05.05.22	Draft for review.	
B	28.06.22	Haul Road added.	
C	20.09.23	Review for consent issue	
D	14.12.23	Update of Naming and Phasing Protocols	



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Project

DRURY QUARRY – SUTTON BLOCK

Title

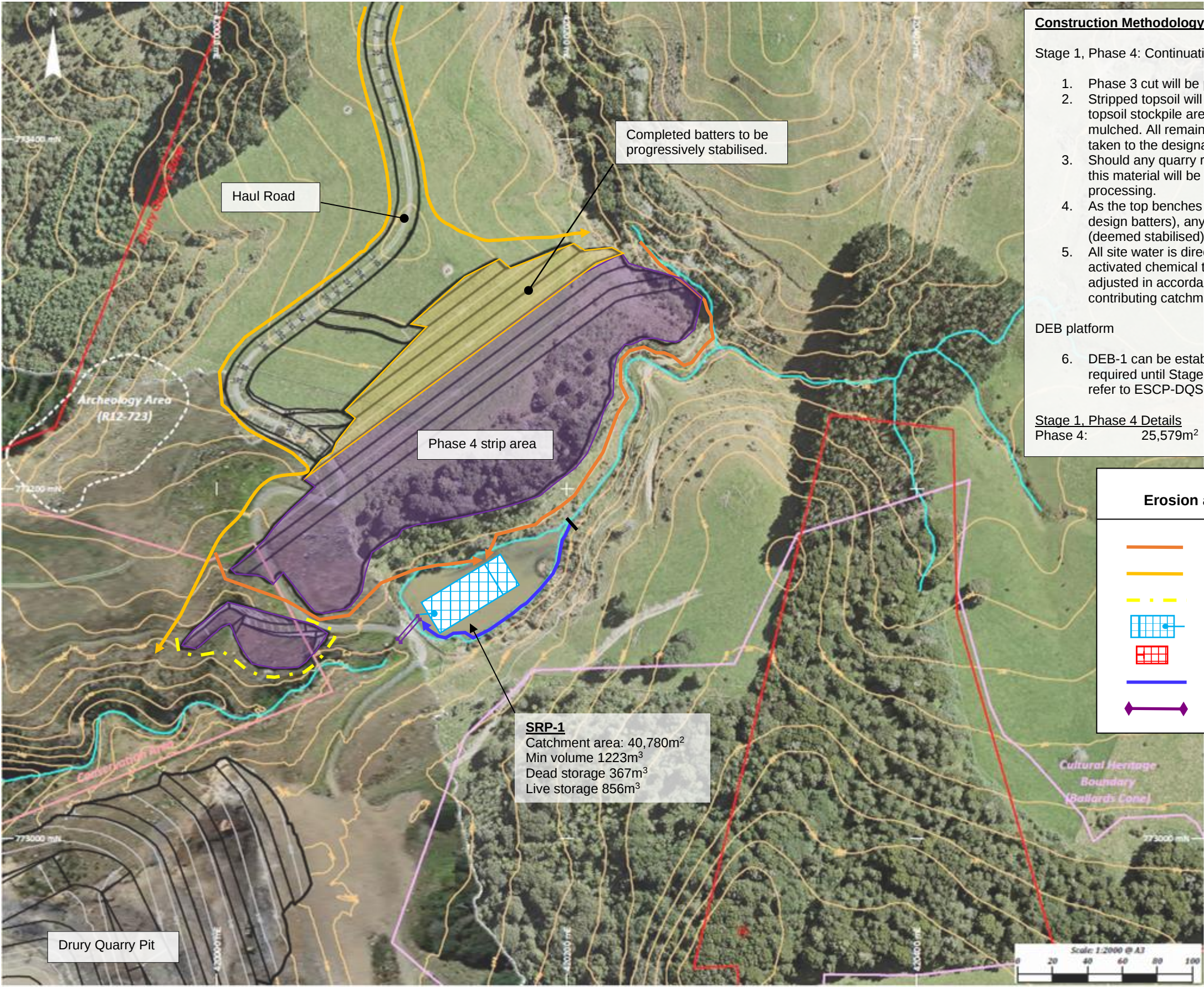
**Erosion and Sediment Control Plan –
Stage 1: Phase 3**

Drawing No.

ESCP-DQSB-04

Sheet No.

4



Construction Methodology:

Stage 1, Phase 4: Continuation of staged cut.

1. Phase 3 cut will be progressively extended.
2. Stripped topsoil will be taken to the designated topsoil stockpile area and will be seeded and mulched. All remaining overburden material will be taken to the designated overburden disposal site.
3. Should any quarry rock material be encountered, this material will be taken to the Drury Quarry for processing.
4. As the top benches are completed (trimmed to design batters), any batters that are not rock (deemed stabilised) will be hydroseeded.
5. All site water is directed to SRP-1. Note: rainfall activated chemical treatment shed roof tray to be adjusted in accordance with CTMP and the contributing catchment area.

DEB platform

6. DEB-1 can be established at any time. It will not be required until Stage 1, Phase 5. For sizing details refer to ESCP-DQSB-06.

Stage 1, Phase 4 Details
Phase 4: 25,579m²

KEY
Erosion and Sediment Control

- Dirty Water Diversion
- Clean Water Diversion
- Silt Fence
- Sediment Retention Pond
- Decanting Earth Bund (DEB)
- Constructed Stream Channel
- Culvert

NOTES

1. All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05).
2. Earthworks are to be programmed to ensure rapid stabilisation.
3. All erosion and sediment control measures will be inspected on a daily basis by the site foreman.
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A	05.05.22	Draft for review.	
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C	20.09.23	Review for consent issue	
D	14.12.23	Update of Naming and Phasing Protocols	



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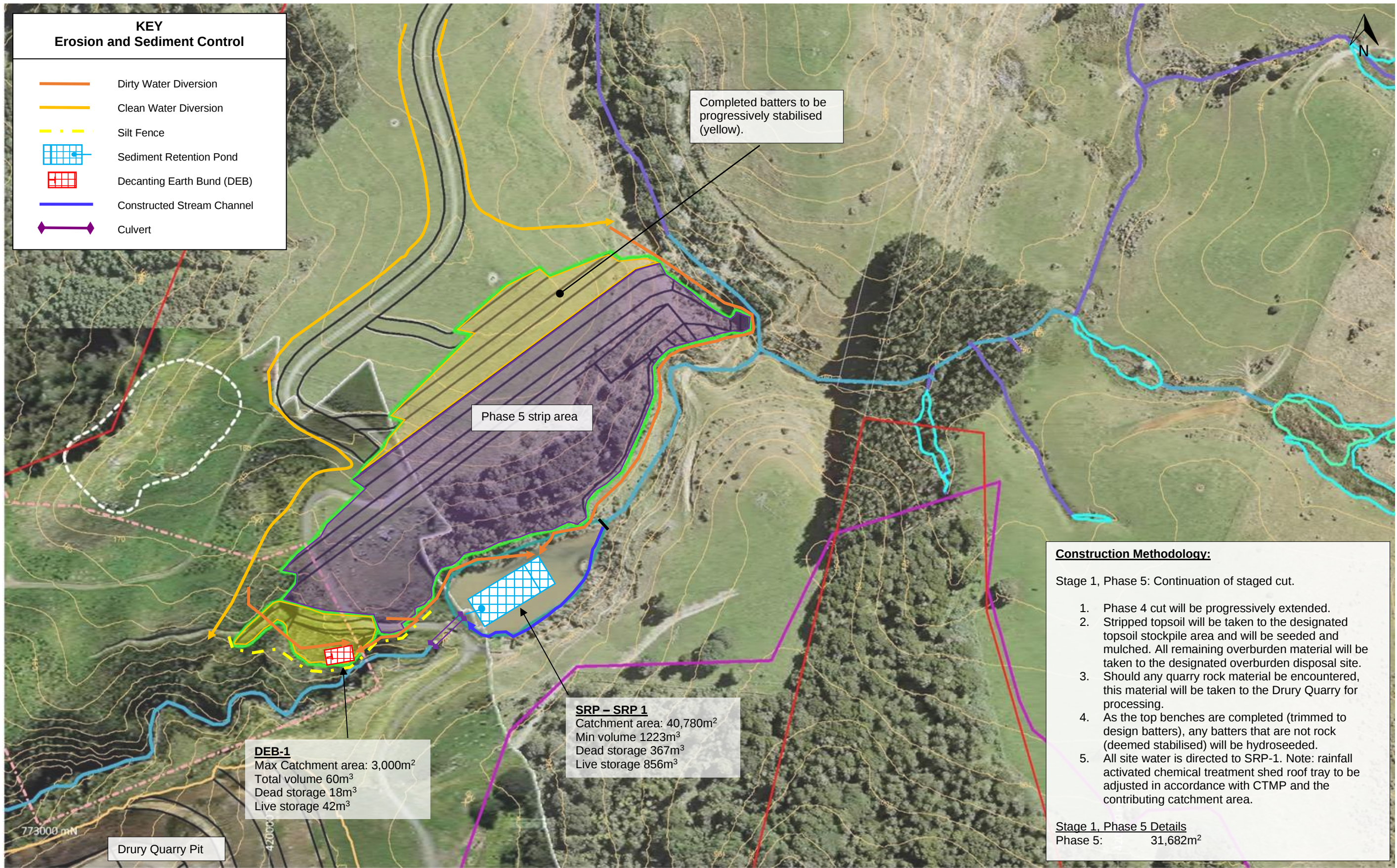
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Project
DRURY QUARRY – SUTTON BLOCK

Title
**Erosion and Sediment Control Plan –
Stage 1: Phase 4**

Drawing No.
ESCP-DQSB-05

Sheet No.
5



Construction Methodology:

Stage 1, Phase 5: Continuation of staged cut.

1. Phase 4 cut will be progressively extended.
2. Stripped topsoil will be taken to the designated topsoil stockpile area and will be seeded and mulched. All remaining overburden material will be taken to the designated overburden disposal site.
3. Should any quarry rock material be encountered, this material will be taken to the Drury Quarry for processing.
4. As the top benches are completed (trimmed to design batters), any batters that are not rock (deemed stabilised) will be hydroseeded.
5. All site water is directed to SRP-1. Note: rainfall activated chemical treatment shed roof tray to be adjusted in accordance with CTMP and the contributing catchment area.

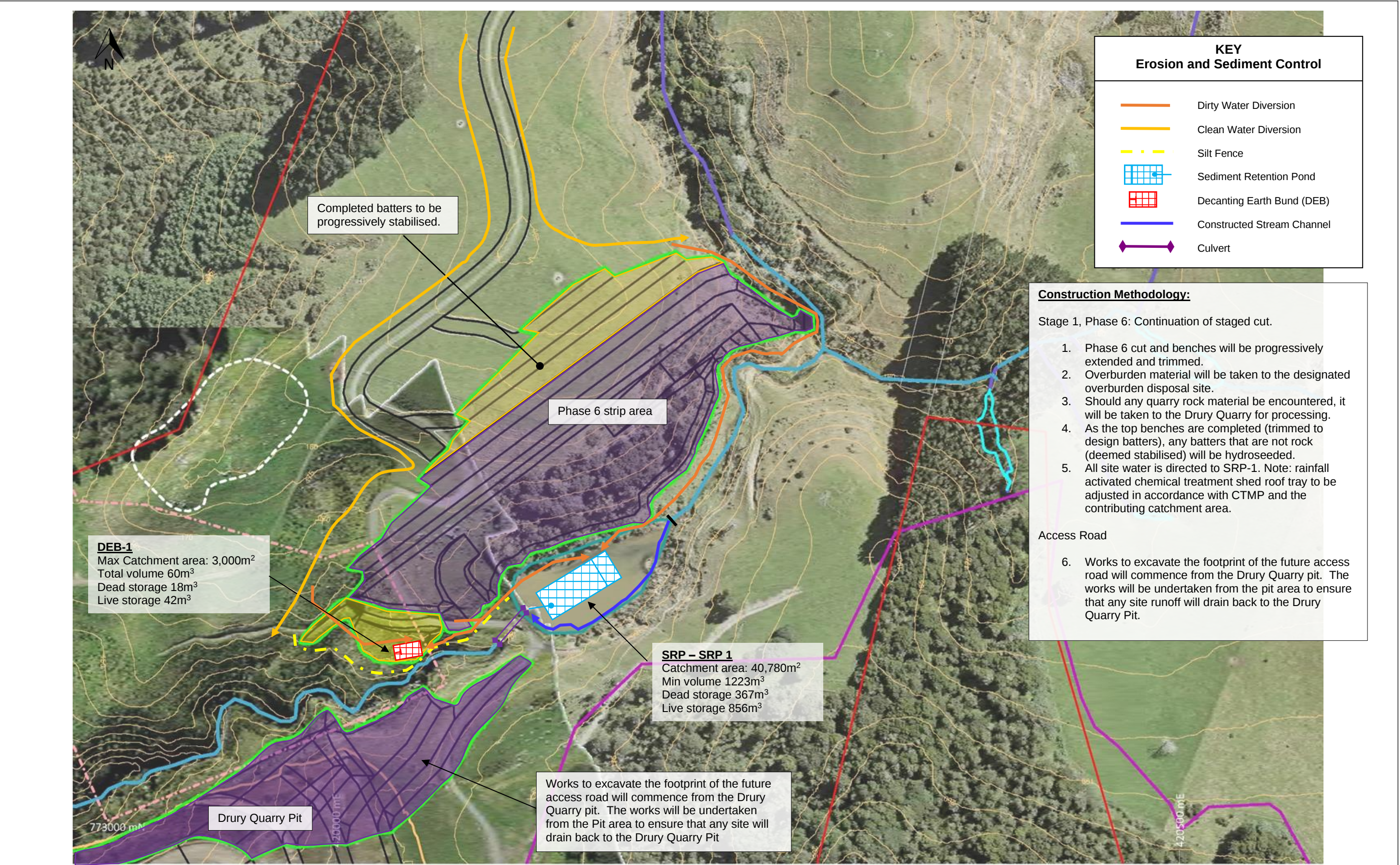
Stage 1, Phase 5 Details
Phase 5: 31,682m²

- NOTES**
1. All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05).
 2. Earthworks are to be programmed to ensure rapid stabilisation.
 3. All erosion and sediment control measures will be inspected on a daily basis by the site foreman.
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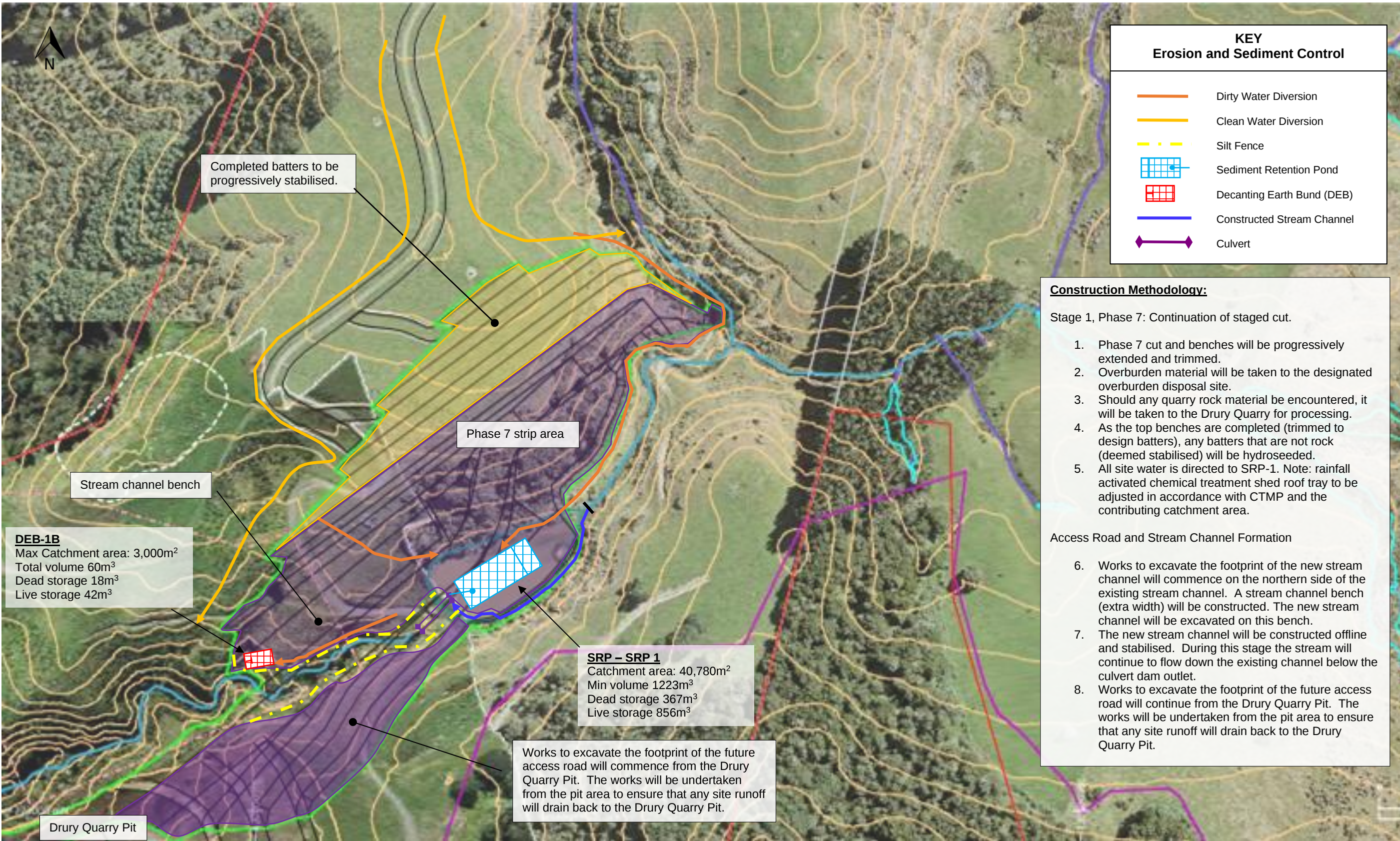
REV	DATE	REVISION DETAILS	APPROVED
A	05.05.22	Draft for review.	
B	28.06.22	Consent issue	
C	20.09.23	Review for consent issue	
D	14.12.23	Update of Naming and Phasing Protocols	



Project		DRURY QUARRY – SUTTON BLOCK	
Title		Erosion and Sediment Control Plan – Stage 1: Phase 5	
Drawn	Checked	Drawing No.	Sheet No.
ZW	CS	ESCP-DQSB-06	6



NOTES 1. All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 ‘Erosion and Sediment Control Guide for Land Disturbing Activities’ (GD05). 2. Earthworks are to be programmed to ensure rapid stabilisation. 3. All erosion and sediment control measures will be inspected on a daily basis by the site foreman. 4. Site monitoring will be undertaken before and immediately after rain as well as during heavy rainfall events. Any required maintenance or improvements to control measures will be undertaken immediately.	<table><tr><th>REV</th><th>DATE</th><th>REVISION DETAILS</th><th>APPROVED</th></tr><tr><td>A</td><td>05.05.22</td><td>Draft for review.</td><td></td></tr><tr><td>B</td><td>28.06.22</td><td>Consent issue</td><td></td></tr><tr><td>C</td><td>20.09.23</td><td>Review for consent issue</td><td></td></tr><tr><td>D</td><td>14.12.23</td><td>Update of Naming and Phasing Protocols</td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	REV	DATE	REVISION DETAILS	APPROVED	A	05.05.22	Draft for review.		B	28.06.22	Consent issue		C	20.09.23	Review for consent issue		D	14.12.23	Update of Naming and Phasing Protocols																														Fulton Hogan STEVENSON		Project	DRURY QUARRY – SUTTON BLOCK	
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			Title	Erosion and Sediment Control Plan – Stage 1: Phase 6																																																		
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NOTES

- All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05).
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A	05.05.22	Draft for review.	
B	28.06.22	Consent issue	
C	20.09.23	Review for consent issue	
D	14.12.23	Update of Naming and Phasing Protocols	
E	12.02.24	Removal of constructed pond.	



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Project

DRURY QUARRY – SUTTON BLOCK

Title

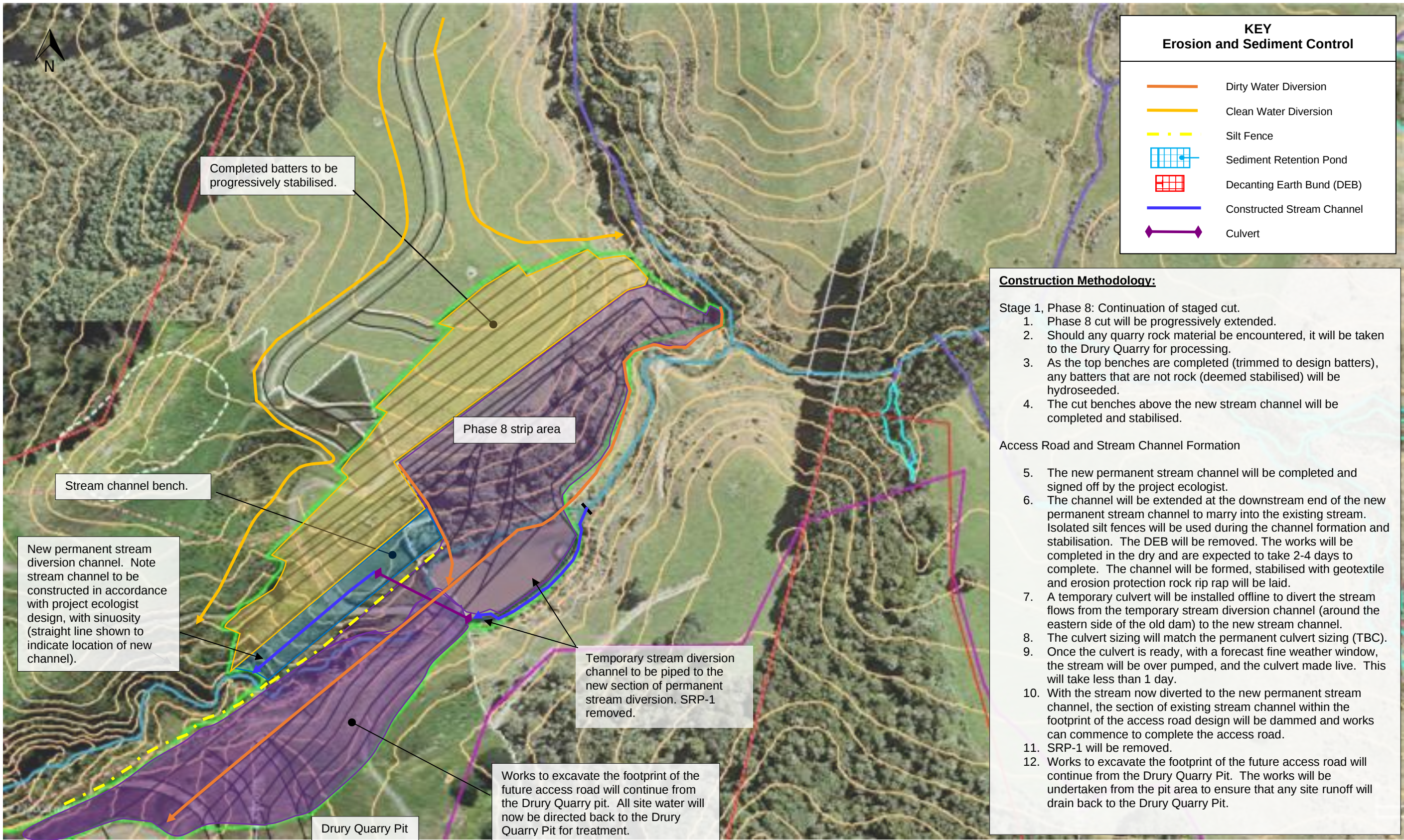
**Erosion and Sediment Control Plan –
Stage 1: Phase 7**

Drawing No.

ESCP-DQSB-08

Sheet No.

8



NOTES

- All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05).
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CS

Project

DRURY QUARRY – SUTTON BLOCK

Title

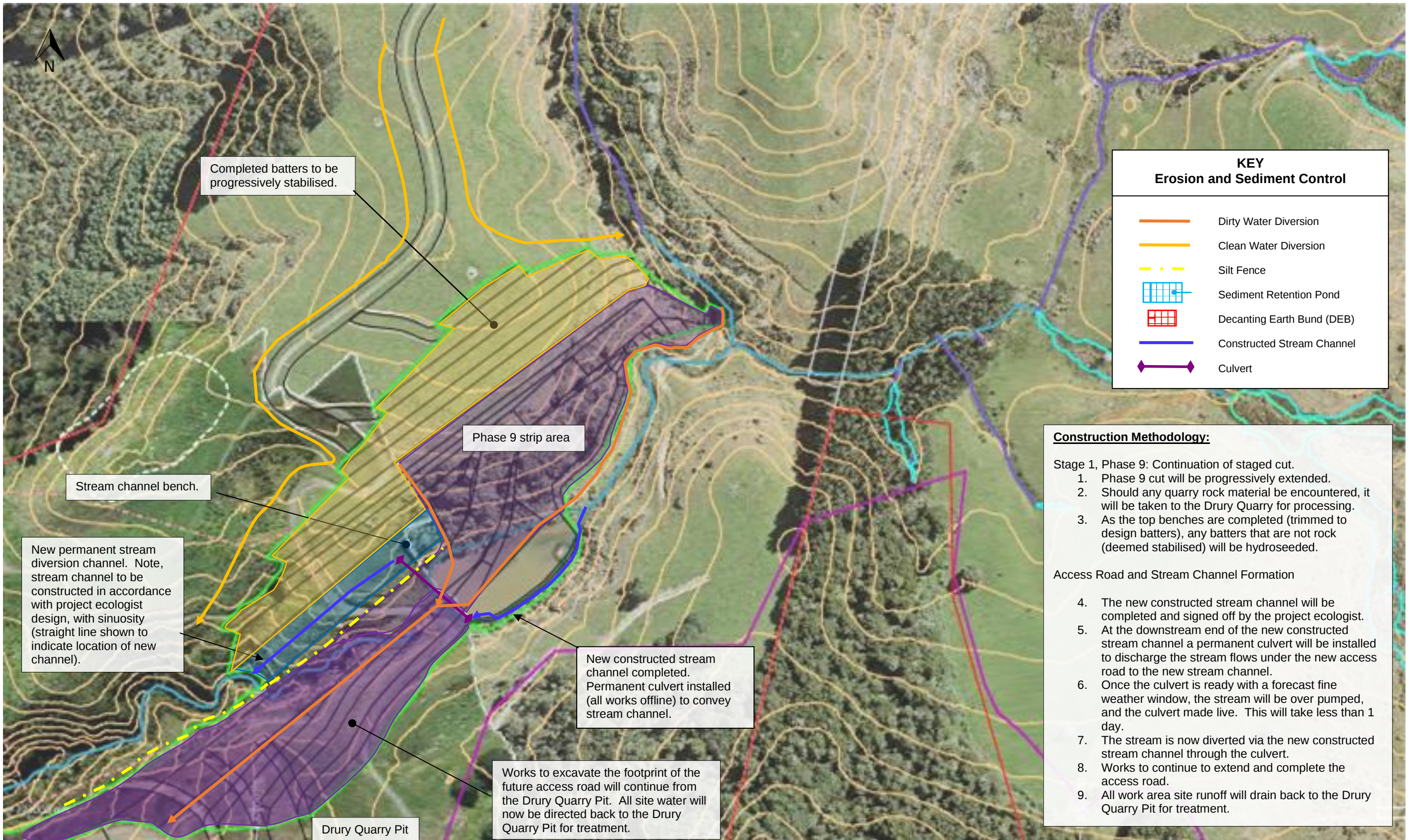
**Erosion and Sediment Control Plan –
Stage 1: Phase 8**

Drawing No.

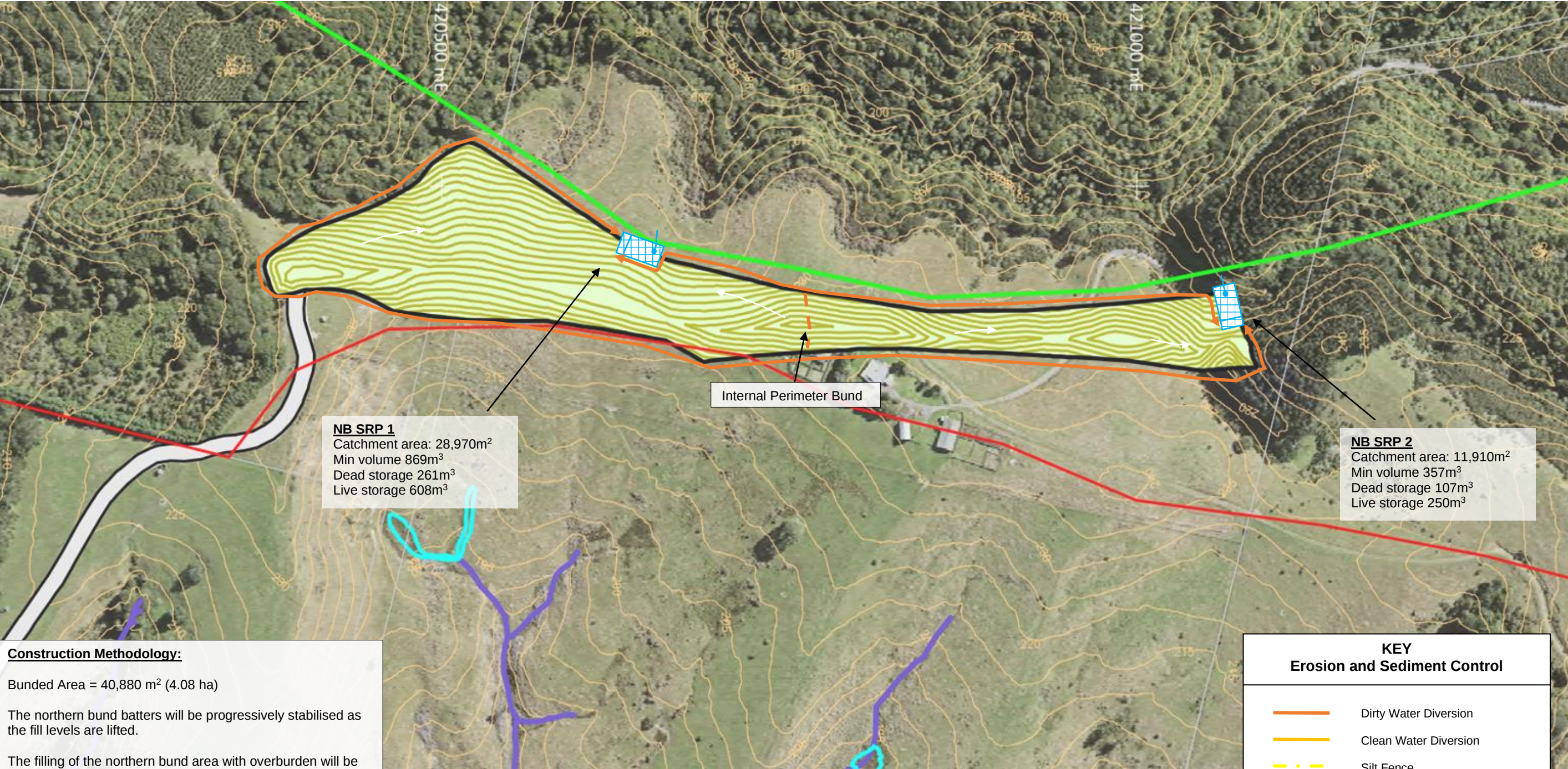
ESCP-DQSB-09

Sheet No.

9



NOTES 1. All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05). 2. Earthworks are to be programmed to ensure rapid stabilisation. 3. All erosion and sediment control measures will be inspected on a daily basis by the site foreman. 4. Site monitoring will be undertaken before and immediately after rain as well as during heavy rainfall events. Any required maintenance or improvements to control measures will be undertaken immediately.	<table><tr><th>REV</th><th>DATE</th><th>REVISION DETAILS</th><th>APPROVED</th></tr><tr><td>A</td><td>05.05.22</td><td>Draft for review.</td><td></td></tr><tr><td>B</td><td>28.06.22</td><td>Consent issue</td><td></td></tr><tr><td>C</td><td>20.09.23</td><td>Review for consent issue</td><td></td></tr><tr><td>D</td><td>14.12.23</td><td>Update of Naming and Phasing Protocols</td><td></td></tr><tr><td>E</td><td>12.02.24</td><td>Removal of constructed pond.</td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	REV	DATE	REVISION DETAILS	APPROVED	A	05.05.22	Draft for review.		B	28.06.22	Consent issue		C	20.09.23	Review for consent issue		D	14.12.23	Update of Naming and Phasing Protocols		E	12.02.24	Removal of constructed pond.																		Fulton Hogan STEVENSON		Project	DRURY QUARRY – SUTTON BLOCK	
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		Title	Erosion and Sediment Control Plan – Stage 1: Phase 9																																											
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NB SRP 1
Catchment area: 28,970m²
Min volume 869m³
Dead storage 261m³
Live storage 608m³

NB SRP 2
Catchment area: 11,910m²
Min volume 357m³
Dead storage 107m³
Live storage 250m³

Construction Methodology:

Bunded Area = 40,880 m² (4.08 ha)

The northern bund batters will be progressively stabilised as the fill levels are lifted.

The filling of the northern bund area with overburden will be staged (specific staging TBC). As areas of the bund are completed, they will be progressively stabilised.

The construction of the SRP's will be staged in accordance with the filling operation. All controls will be installed in advance of the bund extending beyond the catchment of the previous control device.

**KEY
Erosion and Sediment Control**

- Dirty Water Diversion
- Clean Water Diversion
- Silt Fence
- Sediment Retention Pond
- Decanting Earth Bund (DEB)
- Constructed Stream Channel
- Culvert

NOTES

- All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05).
- Earthworks are to be programmed to ensure rapid stabilisation.
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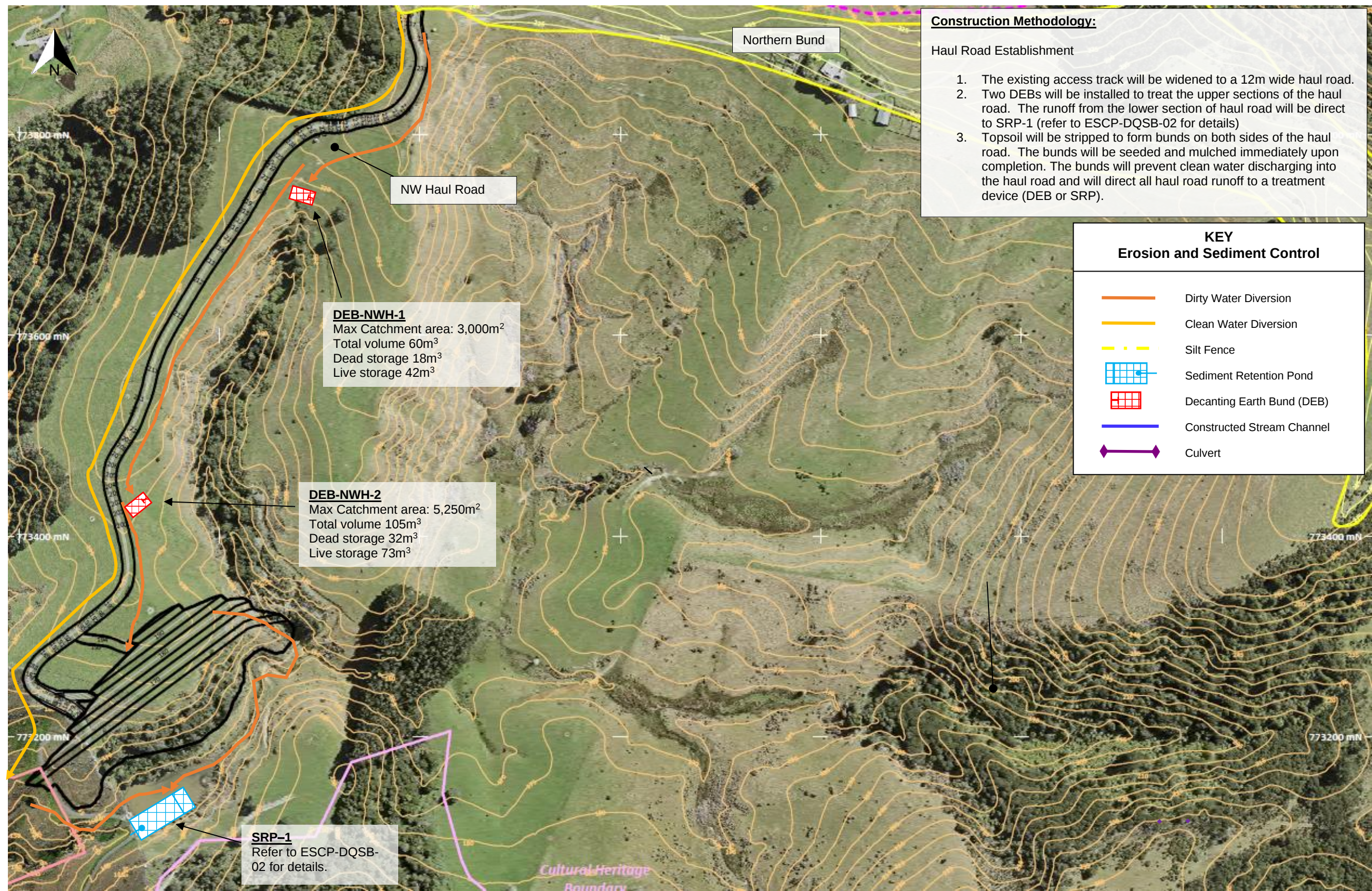
REV	DATE	REVISION DETAILS	APPROVED
A	02.06.22	Draft for review.	
B	29.06.22	Consent Issue.	
C	26.09.23	Updated Design Drawings	



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Checked
CS

Project	DRURY QUARRY – SUTTON BLOCK
Title	Erosion and Sediment Control Plan – Northern Bund
Drawing No.	ESCP-DQSB-NB-01
Sheet No.	11



NOTES

1. All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05).
2. Earthworks are to be programmed to ensure rapid stabilisation.
3. All erosion and sediment control measures will be inspected on a daily basis by the site foreman.
4. Site monitoring will be undertaken before and immediately after rain as well as during heavy rainfall events. Any required maintenance or improvements to control measures will be undertaken immediately.

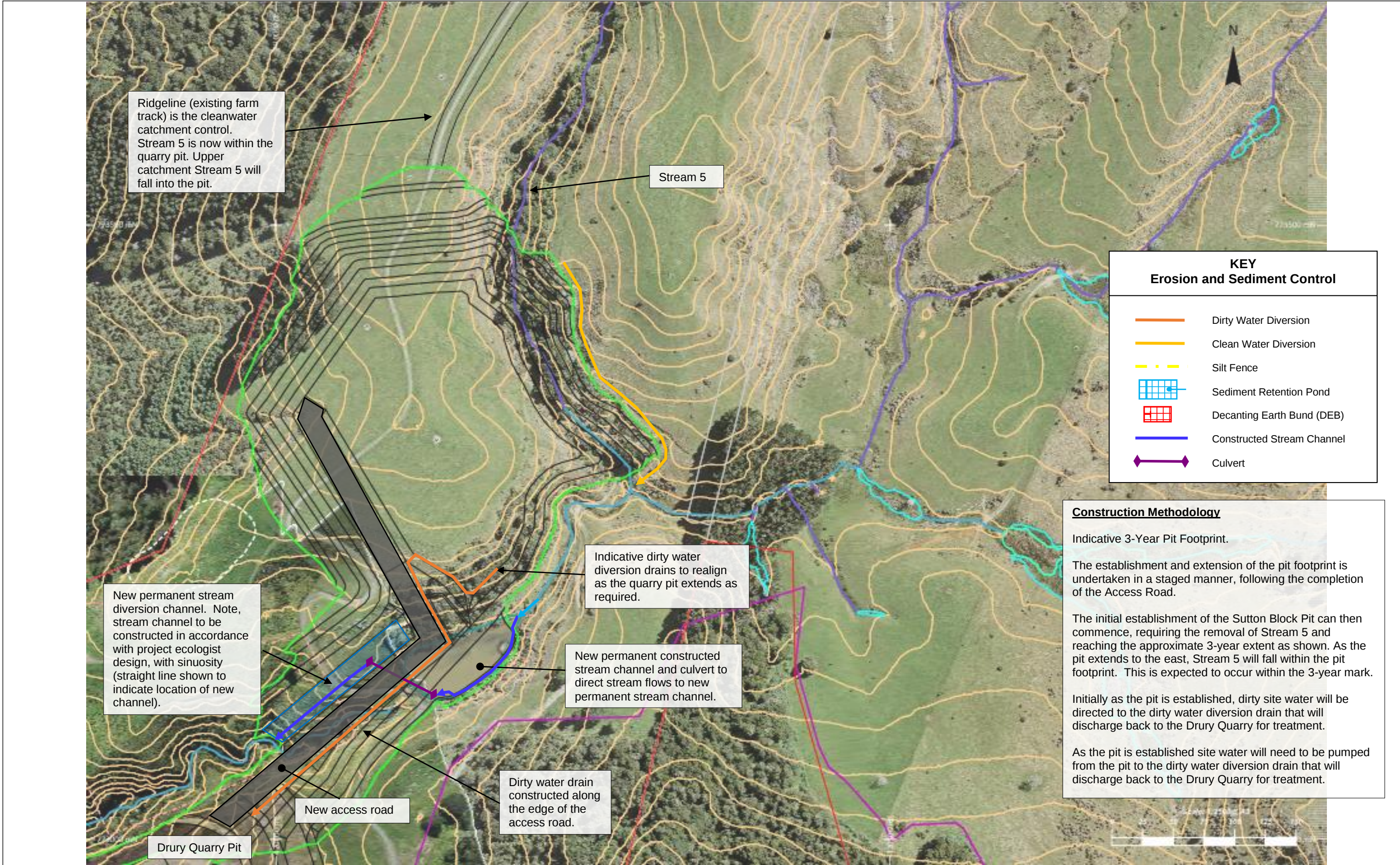
REV	DATE	REVISION DETAILS	APPROVED
A	29.06.22	Draft for review.	
B	26.09.23	2023 update	



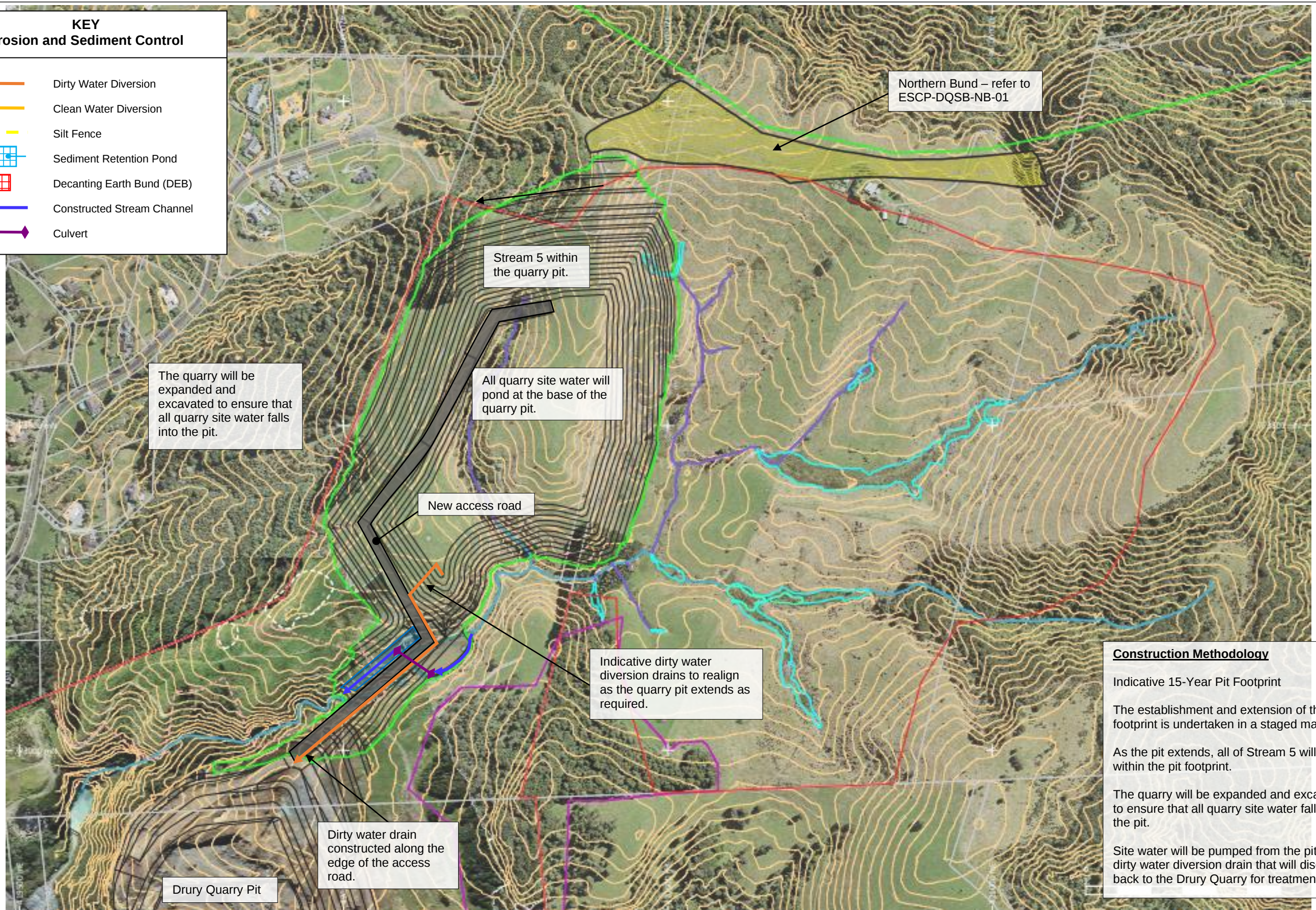
Drawn
CS

Checked
ZW

Project	DRURY QUARRY – SUTTON BLOCK
Title	Erosion and Sediment Control Plan NW Haul Road
Drawing No.	ESCP-DQSB-HR-01
Sheet No.	12



NOTES 1. All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05). 2. Earthworks are to be programmed to ensure rapid stabilisation. 3. All erosion and sediment control measures will be inspected on a daily basis by the site foreman. 4. Site monitoring will be undertaken before and immediately after rain as well as during heavy rainfall events. Any required maintenance or improvements to control measures will be undertaken immediately.	<table><tr><th>REV</th><th>DATE</th><th>REVISION DETAILS</th><th>APPROVED</th></tr><tr><td>A</td><td>21.09.23</td><td>Draft for review.</td><td></td></tr><tr><td>B</td><td>14.12.23</td><td>Update of Naming and Phasing Protocols</td><td></td></tr><tr><td>C</td><td>12.02.24</td><td>Removal of constructed pond.</td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	REV	DATE	REVISION DETAILS	APPROVED	A	21.09.23	Draft for review.		B	14.12.23	Update of Naming and Phasing Protocols		C	12.02.24	Removal of constructed pond.																										F Fulton Hogan STEVENSON		Project	DRURY QUARRY – SUTTON BLOCK	
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	Title	Erosion and Sediment Control Plan – Stage 1: Pit Plan 3-Year (Indicative)																																												
Drawn	Checked	Drawing No.	Sheet No.																																											
ZW	CS	ESCP-DQSB-P-01	14																																											



Site water will be pumped from the pit to the dirty water diversion drain that will discharge back to the Drury Quarry for treatment.

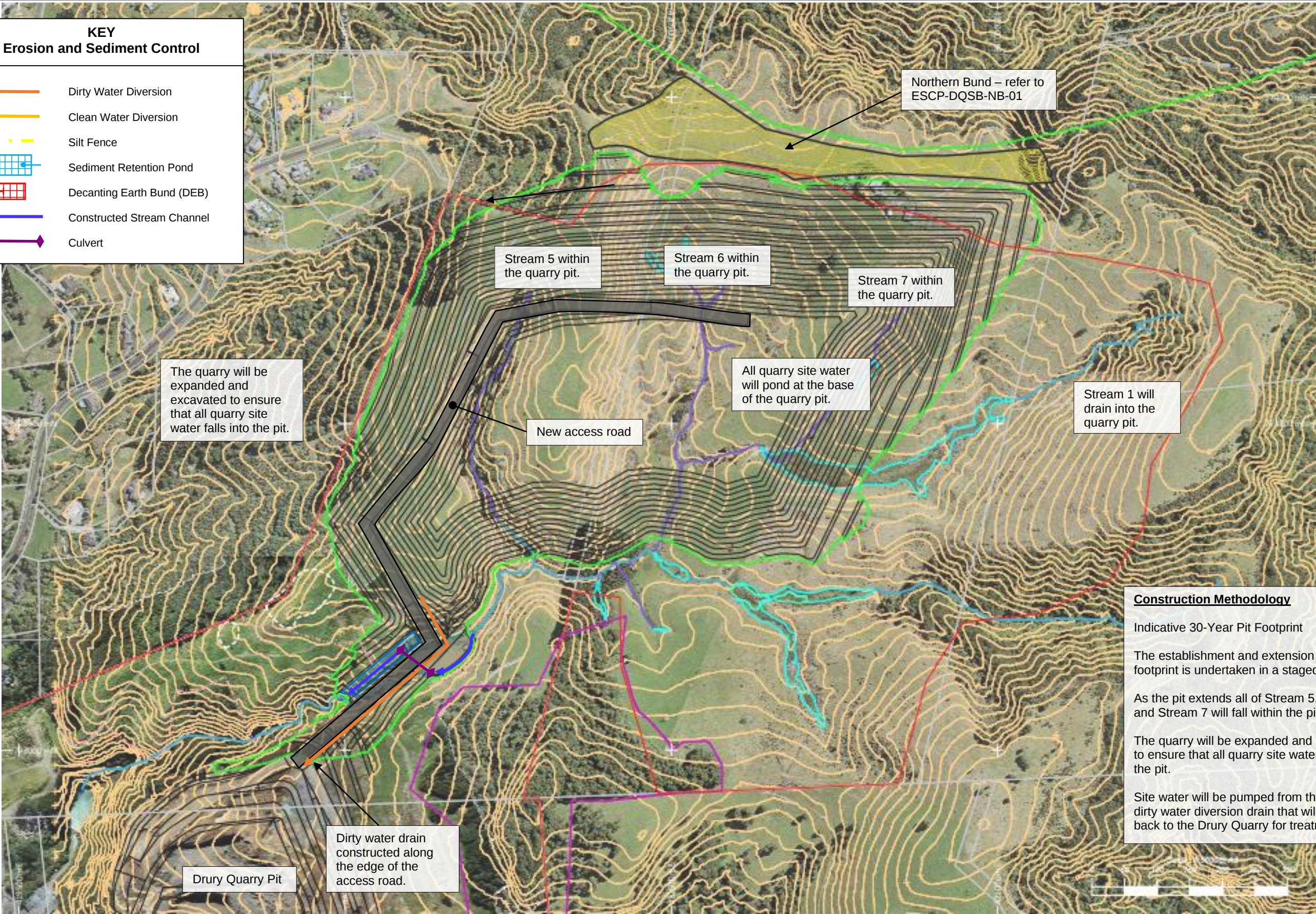
15

KEY

Erosion and Sediment Control

Dirty Water Diversion

Clean Water Diversion

Silt Fence

Construction Methodology

Indicative 30-Year Pit Footprint

The establishment and extension of the pit footprint is undertaken in a staged manner.

As the pit extends all of Stream 5, Stream 6 and Stream 7 will fall within the pit footprint.

The quarry will be expanded and excavated to ensure that all quarry site water falls into the pit.

Site water will be pumped from the pit to the dirty water diversion drain that will discharge back to the Drury Quarry for treatment.

NOTES 1. All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05). 2. Earthworks are to be programmed to ensure rapid stabilisation. 3. All erosion and sediment control measures will be inspected on a daily basis by the site foreman. 4. Site monitoring will be undertaken before and immediately after rain as well as during heavy rainfall events. Any required maintenance or improvements to control measures will be undertaken immediately.	<table><tr><th>REV</th><th>DATE</th><th>REVISION DETAILS</th><th>APPROVED</th></tr><tr><td>A</td><td>21.09.23</td><td>Draft for review.</td><td></td></tr><tr><td>B</td><td>14.12.23</td><td>Update of Naming and Phasing Protocols</td><td></td></tr><tr><td>C</td><td>12.02.24</td><td>Removal of constructed pond.</td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>			REV	DATE	REVISION DETAILS	APPROVED	A	21.09.23	Draft for review.		B	14.12.23	Update of Naming and Phasing Protocols		C	12.02.24	Removal of constructed pond.																										Fulton Hogan STEVENSON		Project	DRURY QUARRY – SUTTON BLOCK	
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	C	12.02.24	Removal of constructed pond.																																													
			Title	Erosion and Sediment Control Plan Stage 3: Pit Plan 30-Year (Indicative)																																												
	Drawn	Checked	Drawing No.		Sheet No.																																											
	ZW	CS	ESCP-DQSB-P-03		16																																											

KEY

Erosion and Sediment Control

Dirty Water Diversion

Clean Water Diversion

Silt Fence

Sediment Retention Pond

Decanting Earth Bund (DEB)

Constructed Stream Channel

Culvert

Construction Methodology

Final Pit Footprint

The establishment and extension of the pit footprint is undertaken in a staged manner.

As the pit extends more of Stream 1 will fall within the pit footprint. Stream 5, Stream 6, and Stream 7 are all within the pit footprint.

The quarry will be expanded and excavated to ensure that all quarry site water falls into the pit.

Site water will be pumped from the pit to the dirty water diversion drain that will discharge back to the Drury Quarry treatment system.

NOTES

1.

All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05).

2.

Earthworks are to be programmed to ensure rapid stabilisation.

3.

All erosion and sediment control measures will be inspected on a daily basis by the site foreman.

4.

Site monitoring will be undertaken before and immediately after rain as well as during heavy rainfall events. Any required maintenance or improvements to control measures will be undertaken immediately.

REV	DATE	REVISION DETAILS	APPROVED
A	21.09.23	Draft for review.	
B	25.10.23	Stream Diversion Added.	
C	14.12.23	Update of Naming and Phasing Protocols	
D	12.02.24	Removal of constructed pond.	
E	17.10.24	Stage 5 updates (staging refinements)	

Drawn

ZW

Checked

CS

Project	DRURY QUARRY – SUTTON BLOCK
Title	Erosion and Sediment Control Plan Stage 4: Pit Plan 40-Year (indicative)
Drawing No.	ESCP-DQSB-P-04
Sheet No.	17

KEY

Erosion and Sediment Control

Dirty Water Diversion

Clean Water Diversion

Silt Fence

Northern Bund – removed in advance of Stage 5 expansion.

The quarry will be expanded and excavated to ensure that all quarry site water falls into the pit.

All quarry site water will pond at the base of the quarry pit.

Access road

Stream 2 within the quarry pit.

Drury Quarry Pit

Construction Methodology

Final Pit Footprint

The establishment and extension of the pit footprint is undertaken in a staged manner.

As the pit extends to its final extent Stream 2 will fall within the pit footprint. Stream 1, Stream 5, Stream 6, and Stream 7 are all within the pit footprint.

Prior to the pit extending to its Northern Extent, the Northern Bund will be removed.

The quarry will be expanded and excavated to ensure that all quarry site water falls into the pit.

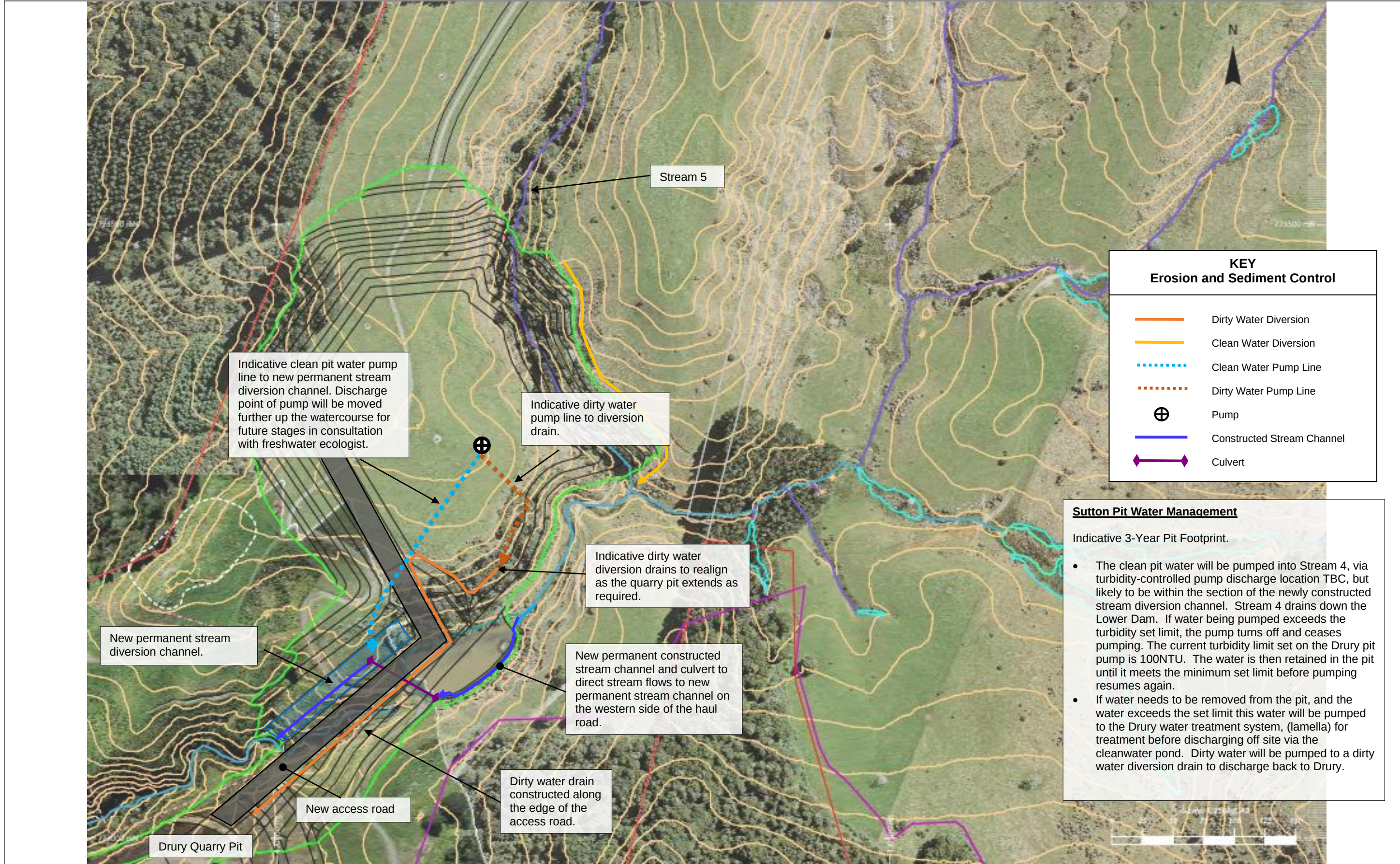
Site water will be pumped from the pit to the dirty water diversion drain that will discharge back to the Drury Quarry treatment system.

- NOTES
- All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05).
 - Earthworks are to be programmed to ensure rapid stabilisation.
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REV	DATE	REVISION DETAILS	APPROVED
A	17.10.24	Draft for review.	



Drawn	Checked	Drawing No.	Sheet No.
ZW	CS	ESCP-DQSB-P-05	18



NOTES 1. All erosion and sediment controls will be installed and maintained in accordance with Auckland Council Guideline Document 2016/005 'Erosion and Sediment Control Guide for Land Disturbing Activities' (GD05). 2. Earthworks are to be programmed to ensure rapid stabilisation. 3. All erosion and sediment control measures will be inspected on a daily basis by the site foreman. 4. Site monitoring will be undertaken before and immediately after rain as well as during heavy rainfall events. Any required maintenance or improvements to control measures will be undertaken immediately.	REV	DATE	REVISION DETAILS	APPROVED	F Fulton Hogan STEVENSON		Project	DRURY QUARRY – SUTTON BLOCK		
	A	15.12.23	Draft for review.				Title	Pit Plan 3-Year (Indicative) – Sutton Pit Water Management		
	B	12.02.24	Removal of constructed pond.							
	C	17.10.24	Stage 5 Sheet updates							
						Drawn MD	Checked CS	Drawing No. ESCP-Sutton Blk – H20	Sheet No. 19	