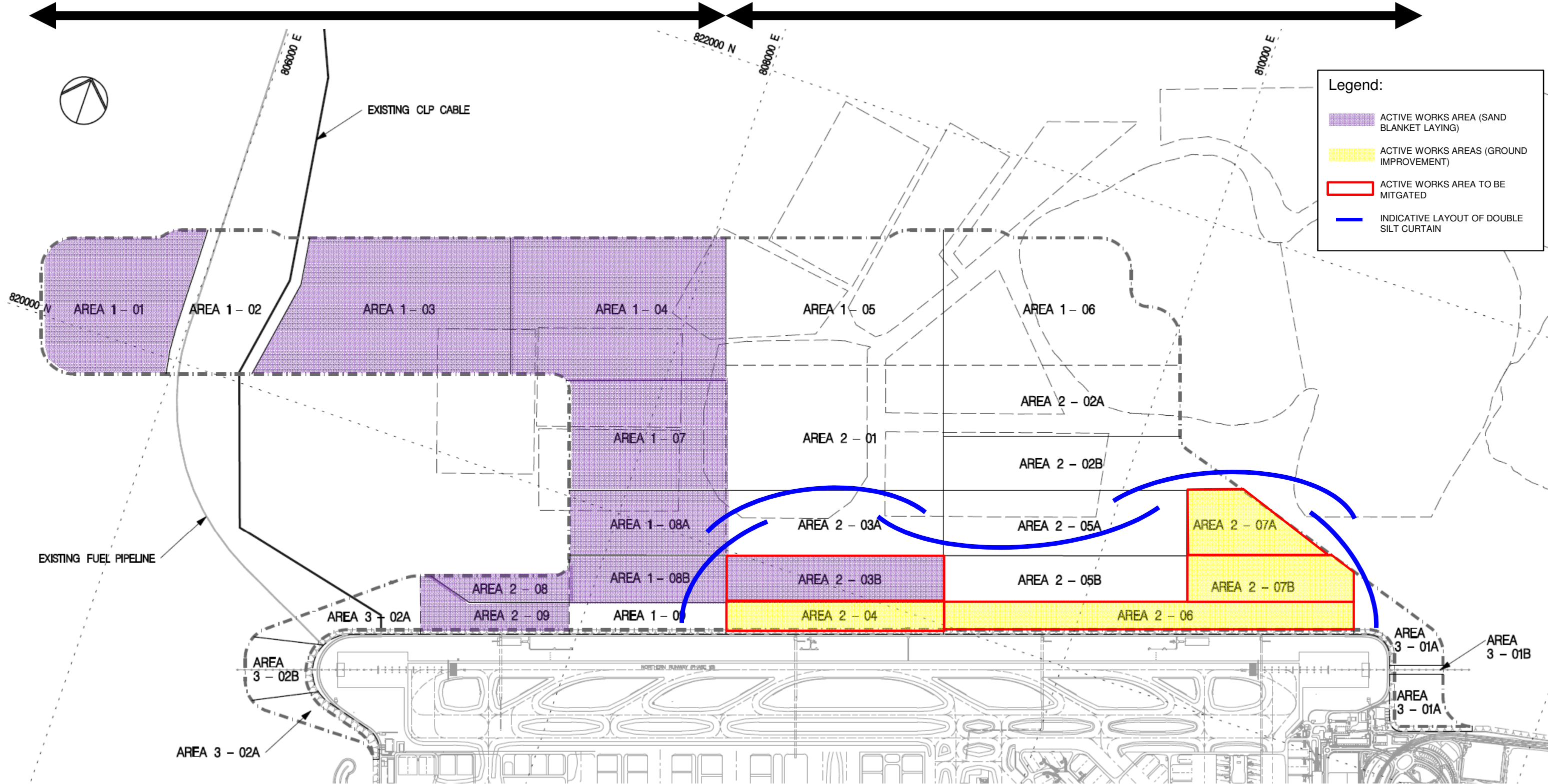


# Appendix D Configuration of Silt Curtains

Western Works Areas

Eastern Works Areas



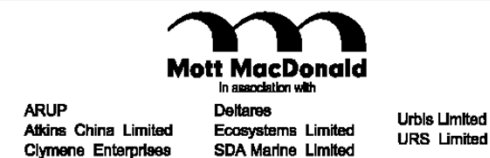
Description

Based on Year 2016 Q1 results, adverse SS impacts not expected at WSRs located to the west of the project, thus silt curtain deployment should focus on south-eastern works areas during sand blanket laying activities.

Note:

- The gaps between overlapping silt curtains are approx. 100m wide (to enable marine vessel access) with an overlapping length of at least 150m.
- The proposed silt curtain arrangement is indicative and subject to adjustment to suit the actual construction sequence, site conditions, marine traffic considerations, and the contractor's working methods.

Rev.	Date	Description	Checked



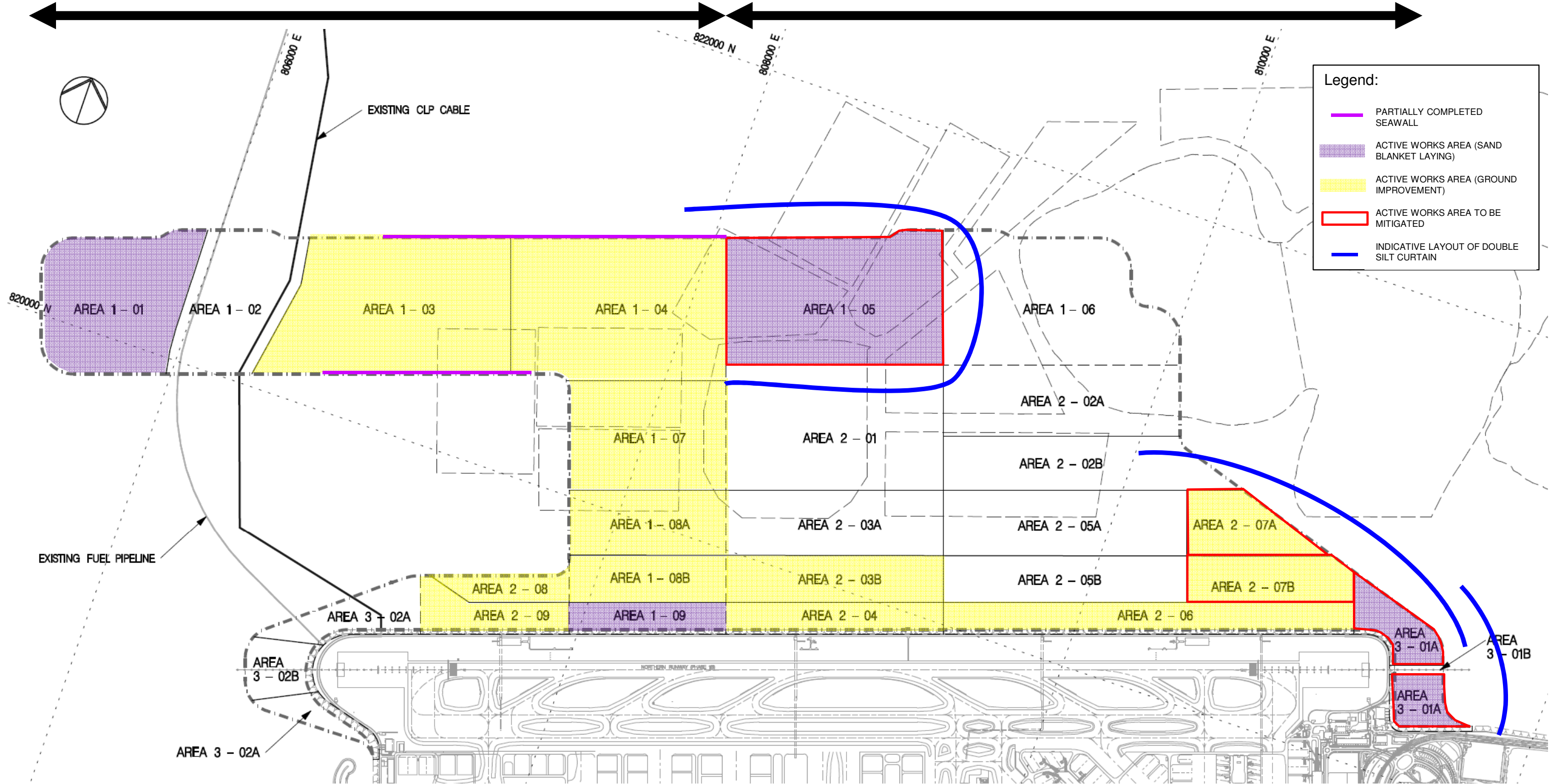
Title  
INDICATIVE CONFIGURATION OF MITIGATION MEASURES (SNAPSHOT FOR END OF 2016 Q1)

Consultant's Signatures for Approval		Date
Design		
Checkers		
Design Supervisor		
Authorised Representative		

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO A THREE-RUNWAY SYSTEM	
Drawing No.	Scale at A3 1:17500
Figure 1	Rev.

Western Works Areas

Eastern Works Areas



**Legend:**

- PARTIALLY COMPLETED SEAWALL
- ACTIVE WORKS AREA (SAND BLANKET LAYING)
- ACTIVE WORKS AREA (GROUND IMPROVEMENT)
- ACTIVE WORKS AREA TO BE MITIGATED
- INDICATIVE LAYOUT OF DOUBLE SILT CURTAIN

**Description**

Specific mitigation not required for ground improvement activities. Based on Year 2016 Q1 results, adverse SS impacts not expected at WSRs located to the west of the project, thus silt curtain deployment focus on sand blanket laying activities near the eastern side of the project boundary (at works area 1-05 and 3-01A). Additional silt curtain covering works areas 2-07A and 2-07B proposed as a precautionary measure. Due to the large extent of the works areas and the multiple works fronts, deployment of silt curtains to completely surround the works areas is not feasible. Hence silt curtain arrangement should target mitigation of potential SS impacts to WSRs located to the east and northeast of the project.

**Note:**

- The gaps between overlapping silt curtains are approx. 100m wide (to enable marine vessel access) with an overlapping length of at least 150m.
- The proposed silt curtain arrangement is indicative and subject to adjustment to suit the actual construction sequence, site conditions, marine traffic considerations, and the contractor's working methods.

Rev.	Date	Description	Checked



**Mott MacDonald**  
In association with

ARUP  
Atkins China Limited  
Clymene Enterprises

Deltarec  
Ecosystems Limited  
SDA Marine Limited

Urbis Limited  
URS Limited

Title  
INDICATIVE CONFIGURATION OF MITIGATION MEASURES (SNAPSHOT FOR END OF 2016 Q2)

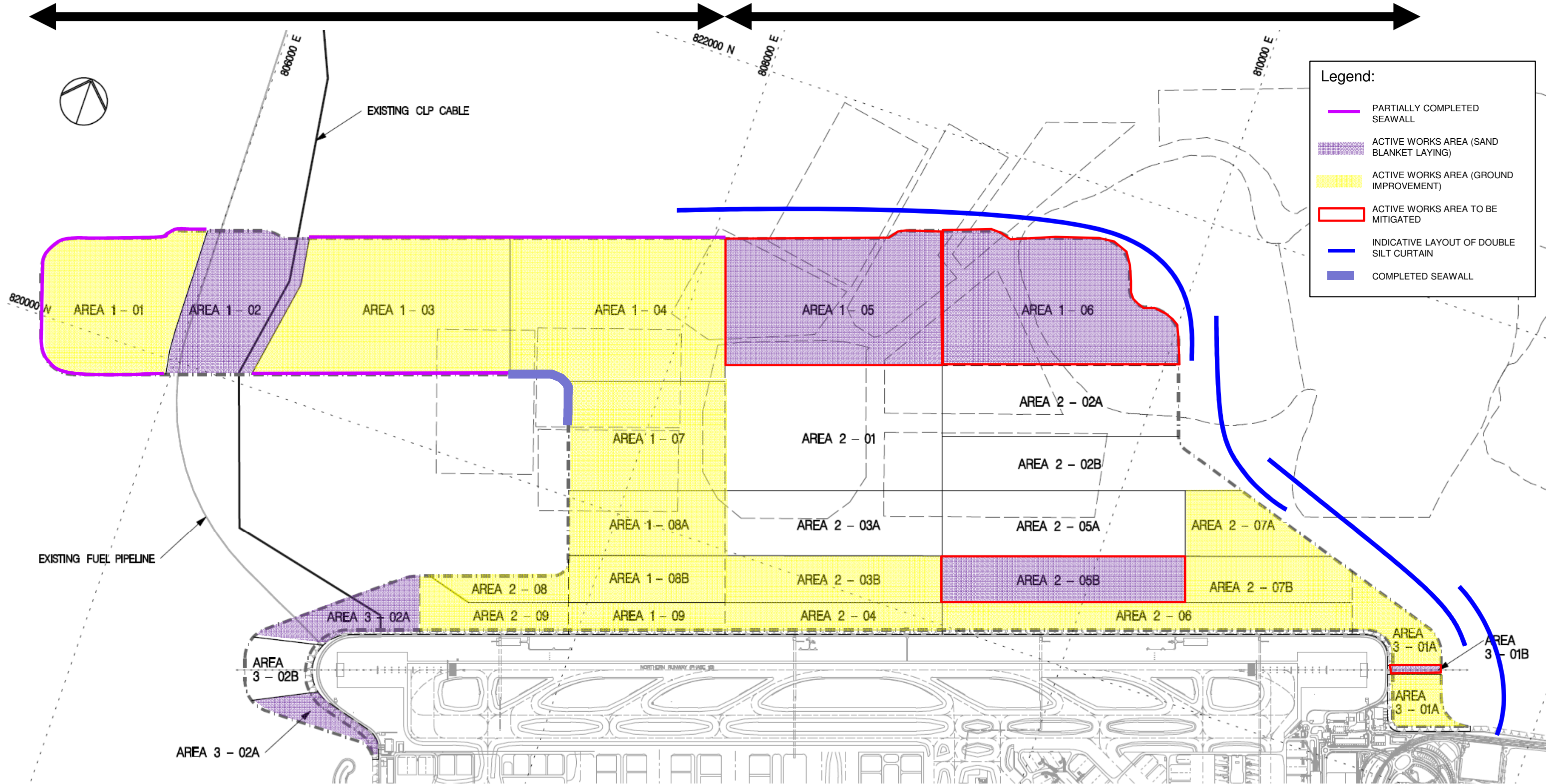
Consultant's Signatures for Approval		Date
Design		
Checkers		
Design Supervisor		
Authorised Representative		

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO A THREE-RUNWAY SYSTEM	
Drawing No.	Scale at A3 1:17500
Figure 2	Rev.



Western Works Areas

Eastern Works Areas



Description

Specific mitigation not required for ground improvement activities. Based on Year 2016 Q1 results, adverse SS impacts not expected at WSRs located to the west of the project, thus silt curtain deployment focus on sand blanket laying activities near the eastern side of the project boundary (at works area 1-05, 1-06, 2-05B and 3-01B). Silt curtain covering works areas 2-07A and 2-07B retained to further minimise SS release at the eastern works areas. Due to the large extent of the works areas and the multiple works fronts, deployment of silt curtains to completely surround the works areas is not feasible. Hence silt curtain arrangement should target mitigation of potential SS impacts to WSRs located to the east and northeast of the project.

Note:

- The gaps between overlapping silt curtains are approx. 100m wide (to enable marine vessel access) with an overlapping length of at least 150m.
- The proposed silt curtain arrangement is indicative and subject to adjustment to suit the actual construction sequence, site conditions, marine traffic considerations, and the contractor's working methods.

Rev.	Date	Description	Checked



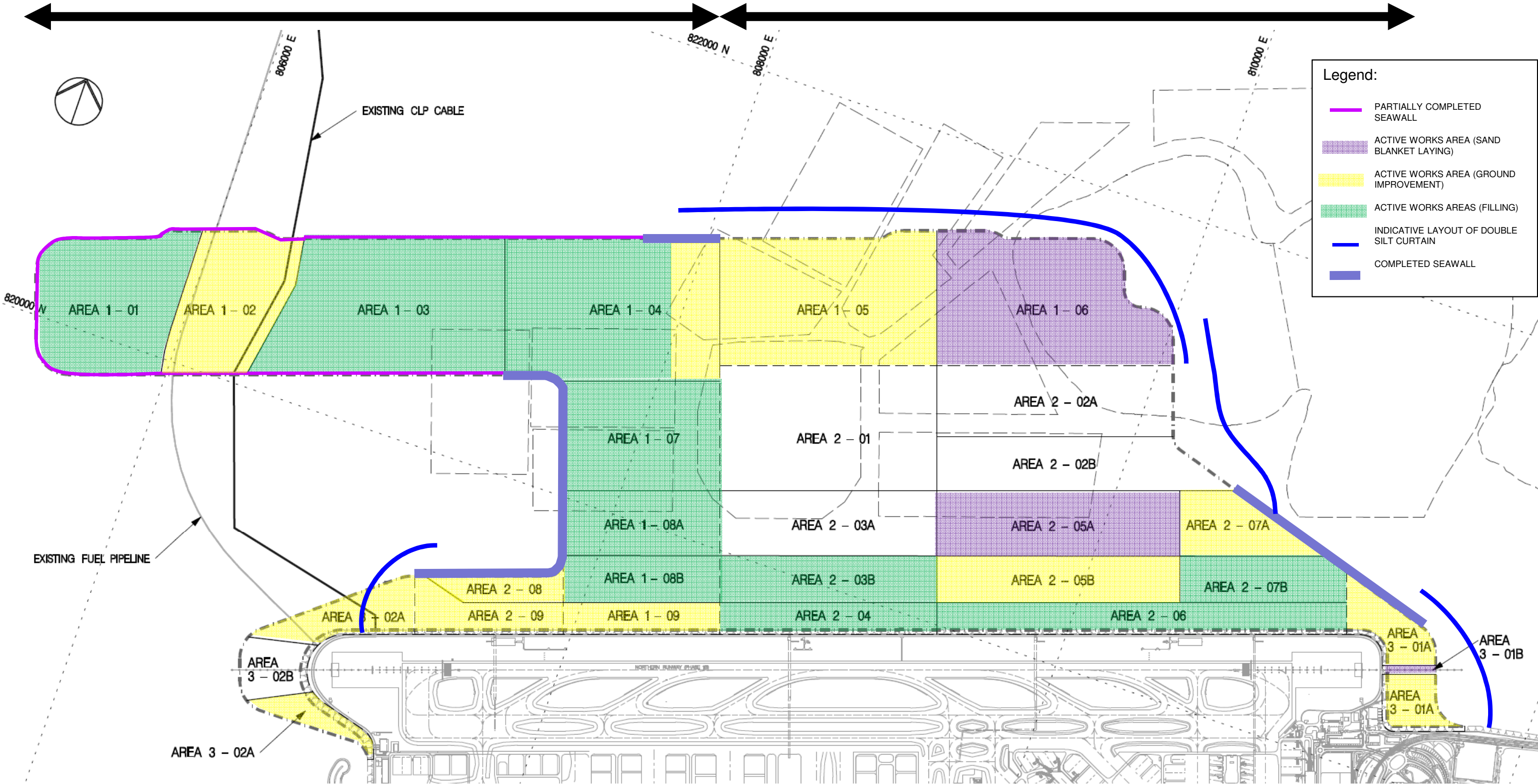
Title  
INDICATIVE CONFIGURATION OF MITIGATION MEASURES (SNAPSHOT FOR END OF 2016 Q3)

Consultant's Signatures for Approval		Date
Design		
Checkers		
Design Supervisor		
Authorised Representative		

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO A THREE-RUNWAY SYSTEM	
Drawing No.	Scale at A3 1:17500
Figure 3	Rev.

Western Works Areas

Eastern Works Areas



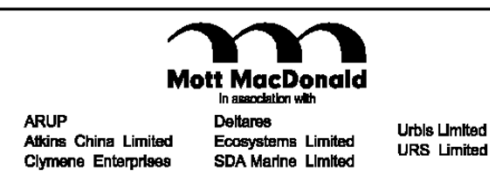
Description

Specific mitigation not required for ground improvement activities. With partial completion of the seawall, silt curtains can be more effectively deployed around all remaining seawall gaps to minimise SS release. Therefore, all active works areas (except works area 3-02A) would be mitigated.

Note:

- The gaps between overlapping silt curtains are approx. 100m wide (to enable marine vessel access) with an overlapping length of at least 150m.
- The proposed silt curtain arrangement is indicative and subject to adjustment to suit the actual construction sequence, site conditions, marine traffic considerations, and the contractor's working methods.

Rev.	Date	Description	Checked



Title  
INDICATIVE CONFIGURATION OF MITIGATION MEASURES (SNAPSHOT FOR END OF 2016 Q4)

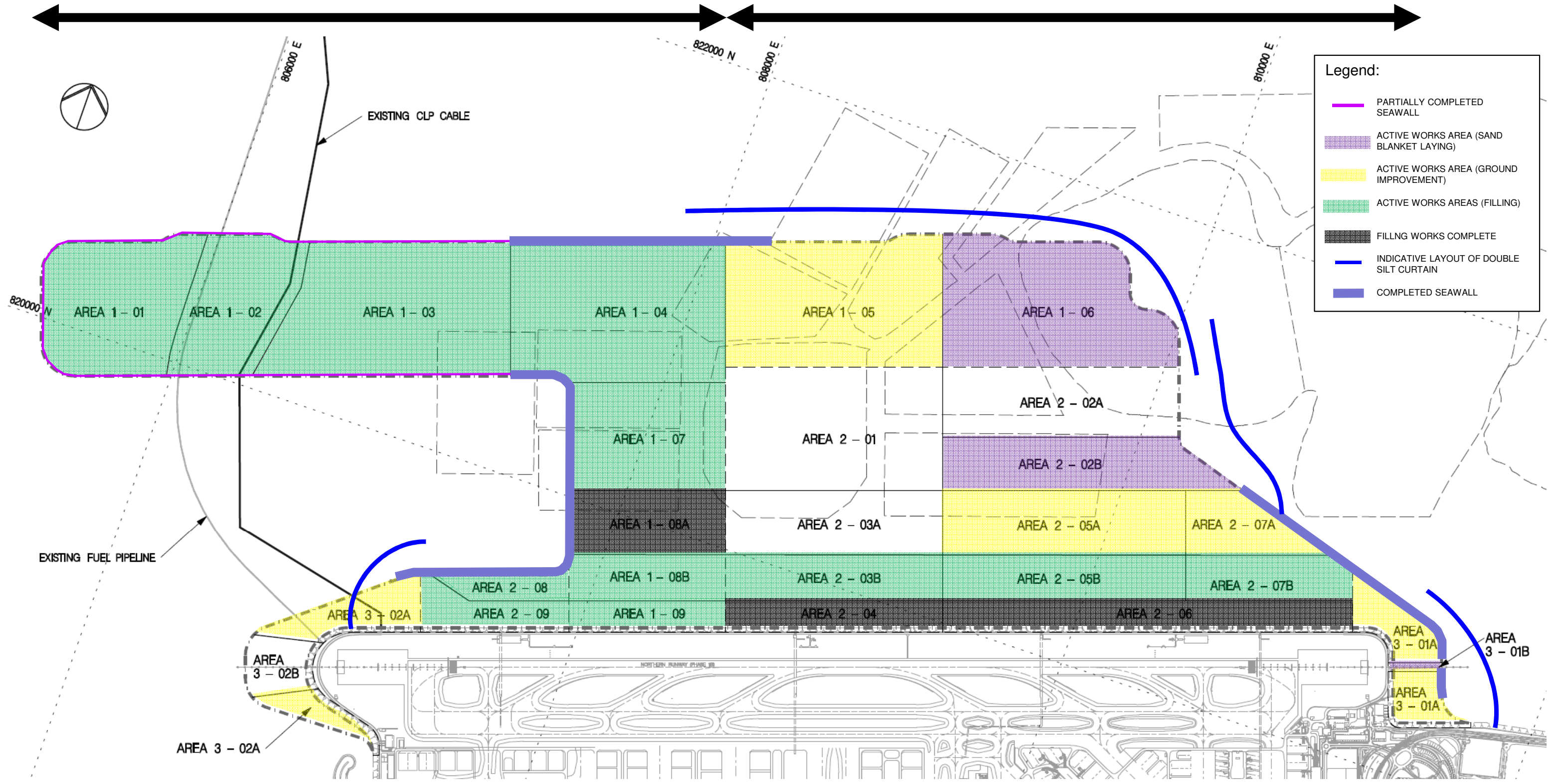
Consultant's Signatures for Approval		Date
Design		
Checkers		
Design Supervisor		
Authorised Representative		

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO A THREE-RUNWAY SYSTEM	
Drawing No.	Scale at A3 1:17500
Figure 4	Rev.



Western Works Areas

Eastern Works Areas



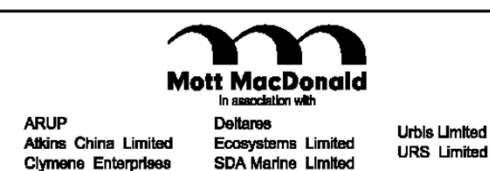
Description

Specific mitigation not required for ground improvement activities. With partial completion of the seawall, silt curtains can be more effectively deployed around all remaining seawall gaps to minimise SS release. Therefore, all active works areas (except works area 3-02A) would be mitigated.

Note:

- The gaps between overlapping silt curtains are approx. 100m wide (to enable marine vessel access) with an overlapping length of at least 150m.
- The proposed silt curtain arrangement is indicative and subject to adjustment to suit the actual construction sequence, site conditions, marine traffic considerations, and the contractor's working methods.

Rev.	Date	Description	Checked



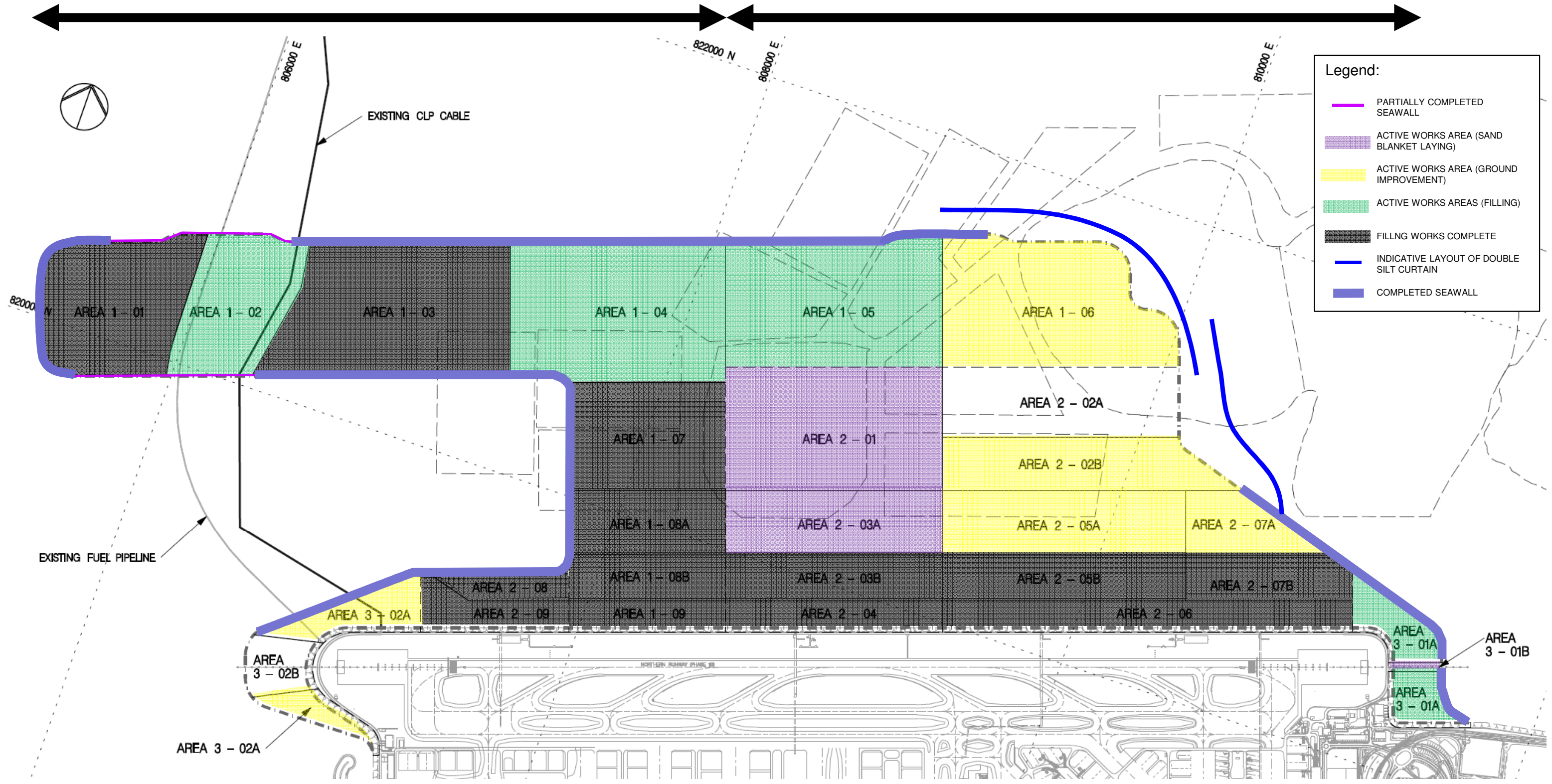
Title  
INDICATIVE CONFIGURATION OF MITIGATION MEASURES (SNAPSHOT FOR END OF 2017 Q1)

Consultant's Signatures for Approval		Date
Design		
Checkers		
Design Supervisor		
Authorised Representative		

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO A THREE-RUNWAY SYSTEM		Scale at A3
Drawing No.		1:17500
Figure 5		Rev.

Western Works Areas

Eastern Works Areas



Description

Specific mitigation not required for ground improvement activities. With substantial completion of the seawall, silt curtains should be deployed at the main remaining seawall opening along the north-eastern side of the project area to minimise SS release. The smaller gaps located at the south-western and south-eastern tips would be largely closed off to dominant tidal flows, hence are not expected to contribute significant SS release.

Note:

- The gaps between overlapping silt curtains are approx. 100m wide (to enable marine vessel access) with an overlapping length of at least 150m.
- The proposed silt curtain arrangement is indicative and subject to adjustment to suit the actual construction sequence, site conditions, marine traffic considerations, and the contractor's working methods.

Rev.	Date	Description	Checked



Title  
 INDICATIVE CONFIGURATION OF MITIGATION MEASURES (SNAPSHOT FOR END OF 2017 Q2)

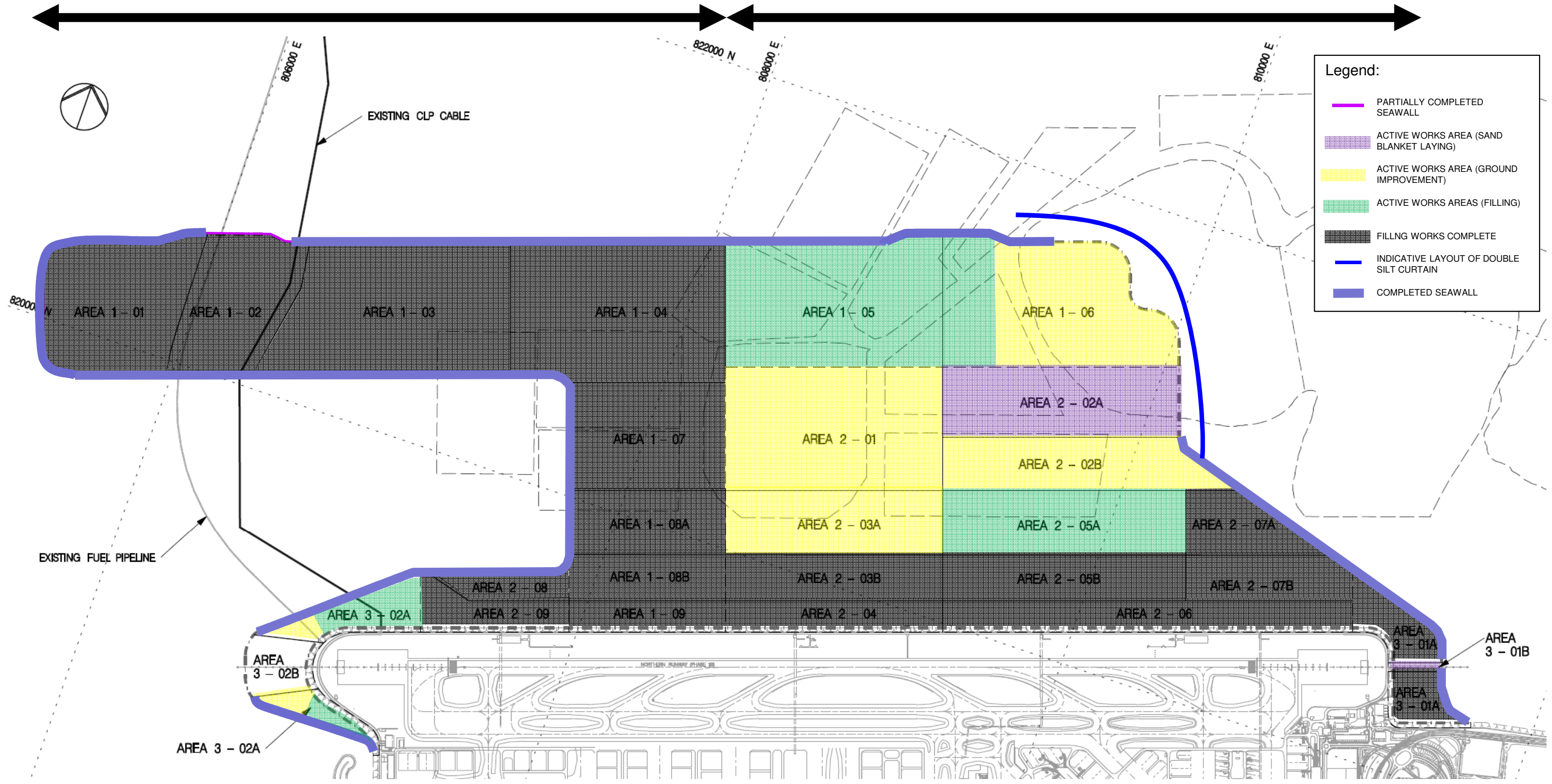
Consultant's Signatures for Approval		Date
Design		
Checkers		
Design Supervisor		
Authorised Representative		

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO A THREE-RUNWAY SYSTEM	
Drawing No.	Scale at A3 1:17500
Figure 6	Rev.



Western Works Areas

Eastern Works Areas



**Legend:**



- PARTIALLY COMPLETED SEAWALL
- ACTIVE WORKS AREA (SAND BLANKET LAYING)
- ACTIVE WORKS AREA (GROUND IMPROVEMENT)
- ACTIVE WORKS AREAS (FILLING)
- FILLING WORKS COMPLETE
- INDICATIVE LAYOUT OF DOUBLE SILT CURTAIN
- COMPLETED SEAWALL

Description

Specific mitigation not required for ground improvement activities. With substantial completion of the seawall, silt curtains would be deployed at the main remaining seawall opening along the north-eastern side of the project area to minimise SS release. The smaller gaps located at the south-western and south-eastern tips would be closed off to dominant tidal flows, hence are not expected to contribute significant SS release.

Note:

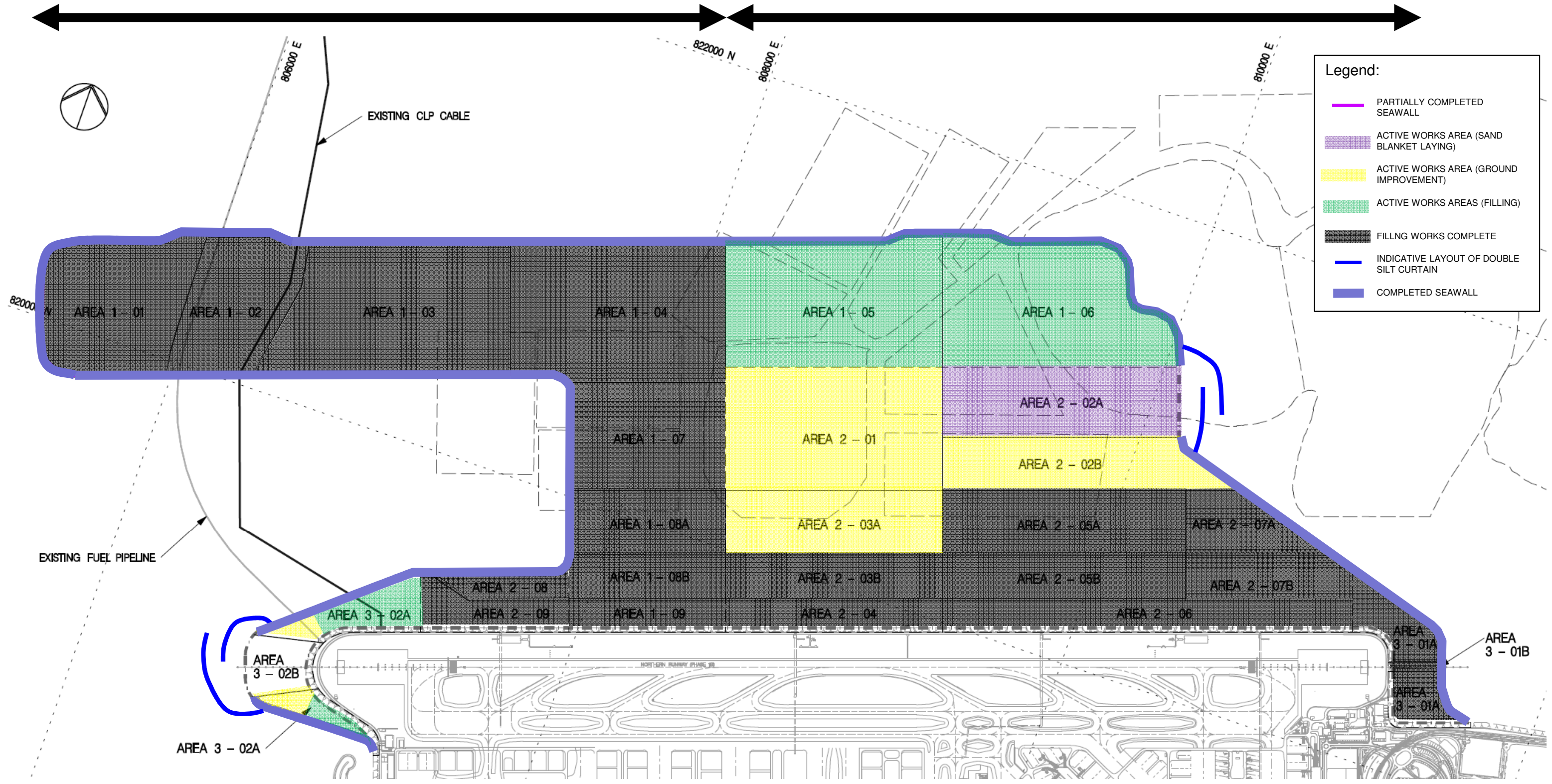
- The gaps between overlapping silt curtains are approx. 100m wide (to enable marine vessel access) with an overlapping length of at least 150m.
- The proposed silt curtain arrangement is indicative and subject to adjustment to suit the actual construction sequence, site conditions, marine traffic considerations, and the contractor's working methods.

<b>Rev.</b>	<b>Date</b>	<b>Description</b>	<b>Checked</b>	 HONG KONG INTERNATIONAL AIRPORT 香港國際機場	 Mott MacDonald In association with ARUP, Atkins China Limited, Deltarec, Urbis Limited, Ecosystems Limited, SDA Marine Limited, Clymene Enterprises, URS Limited	<b>Title</b>	<b>Consultant's Signatures for Approval</b>	<b>Date</b>	<b>EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO A THREE-RUNWAY SYSTEM</b>	
						INDICATIVE CONFIGURATION OF MITIGATION MEASURES (SNAPSHOT FOR END OF 2017 Q3)	Design		Drawing No.	Figure 7
						Checkers				Rev.
						Design Supervisor				
						Authorised Representative				
Filename: J:\308875\CAD_ADMIN\MMH-308875-P-A3-N.dgn						User name: ylm42169		Plot Date: 09/09/2013		Time: 13:49:32



Western Works Areas

Eastern Works Areas



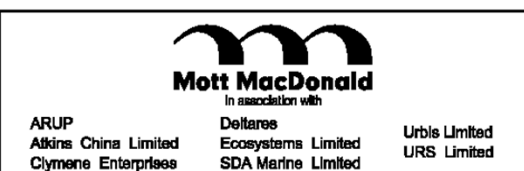
Description

Specific mitigation not required for ground improvement activities. With substantial completion of the seawall, silt curtains would be deployed at the remaining seawall opening along the eastern side of the project area to minimise SS release. With commencement of marine filling activities at works area 3-02A, silt curtains should also be deployed at this location as a precautionary measure to minimise SS release.

Note:

- The gaps between overlapping silt curtains are approx. 100m wide (to enable marine vessel access) with an overlapping length of at least 150m.
- The proposed silt curtain arrangement is indicative and subject to adjustment to suit the actual construction sequence, site conditions, marine traffic considerations, and the contractor's working methods.

Rev.	Date	Description	Checked



Title  
INDICATIVE CONFIGURATION OF MITIGATION MEASURES (SNAPSHOT FOR END OF 2017 Q4)

Consultant's Signatures for Approval		Date
Design		
Checkers		
Design Supervisor		
Authorised Representative		

EXPANSION OF HONG KONG INTERNATIONAL AIRPORT INTO A THREE-RUNWAY SYSTEM	
Drawing No.	Scale at A3 1:17500
Figure 8	Rev.