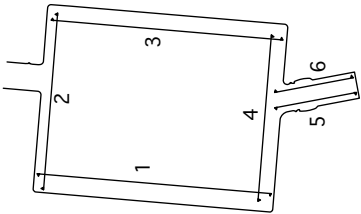


Reference Plan: George's Dock



Legend:

(All existing)

- 1. Stainless Steel Balustrade
- 2. Granite Coping Stone
- 3. Limestone
- 4. Access Ladder
- 5. Curved Lock Gates
- 6. Timber Bridge- Traffic and Pedestrian access
- 7. Existing Crane
- 8. Existing Winch

- Vegetation/ Biological growth
- Openings/ Cracks
- Water Ingress (noted in this location)
- Rusted Hook
- Line of Proposed Concrete Wall (see UA Drawings for more information)
- Site Boundary

General Notes:

- Remove all vegetation and biological growth from the existing dock walls by hand.
- Removal of all debris and marine life fixed to the dock walls in the inner dock.
- Assess all cracks and openings with structural engineer.
- Repointing of joints where required, with suitable mortar mix. Note large open joints may require significant repointing to considerable depth, with stone inserts where required. Open joints will be closed. Existing mortar to be analysed to determine mix.
- Investigate source of all ground water ingress. It is likely ground water seeping through the open joints. Note: repointing of the walls will ensure that this does not continue to the same extent. Adequate drainage channel to be provided to the base of the new wall.
- Treat rusted elements in situ where possible - remove rust and apply rust resistant coating. Remove rusted elements beyond repair.
- Remove all friable/ loose cement repairs.
- Assess all infill brick/ block repairs for stability.
- Full clean to all exposed stone work over proposed new concrete walls - areas noted on drawings. Cleaning trials to be carried out and agreed with conservation officer and planner during conservation works. Medium pressure water with fine aggregate clean should be sufficient to remove dirt, paint and other debris.
- Remove all access ladders throughout. Photo record of ladders prior to removal. Retain one ladder onsite for future display. New ladders, if required, will not be fixed into existing historic stonework but fixed at bottom and top, beyond the granite copings.
- Existing lock gates to be fully recorded, dismantled and stored off site.
- Existing winches to be fully protected during the works. Winch to east of lock gates to be temporarily removed only if required.
- Indent repairs to be employed where required. Samples of indent repairs to be prepared during investigation works package for review by planner and conservation officer.

Notes:

Georges Dock Survey Drawings Prepared by Murphys Surveyors (2019)



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REV.	NOTES	DATE
-	Issued to client for Part 8 review	03/05/19
A	Issued to client for Part 8 review	05/06/19
B	Issued for Part 8 submission.	14/08/19

HOWLEY HAYES ARCHITECTS							
19 Rock Hill, Blackrock, Co. Dublin info@howleyhayes.ie T:01 278 4644 F:01 278 4464							
PROJECT: White Water Rafting Course							
CLIENT: Dublin City Council							
DRAWING TITLE: Plan						DRAWING NO.: P-000	
PROJECT STAGE: Planning	JOB NO.: 0519	SCALE: 1:500@A3	DATE: 05.02.19	DRAWN: EMK	CHECKED BY: LOC	REVISION: B	

Notes:

Georges Dock Survey Drawings Prepared by
Murphys Surveyors (2019)

Elevation I: Visible: 222.92sqm
Hidden: 117.15sqm

General Notes:

1. Remove all vegetation and biological growth from the existing dock walls by hand.
2. Removal of all debris and marine life fixed to the dock walls in the inner dock.
3. Assess all cracks and openings with structural engineer.
4. Repointing of joints where required, with suitable mortar mix. Note large open joints may require significant repointing to considerable depth, with stone inserts where required. Open joints will be closed. Existing mortar to be analysed to determine mix.
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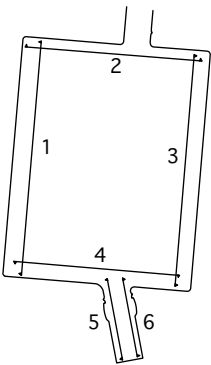
Legend:

(All existing)

1. Stainless Steel Balustrade
2. Granite Coping Stone
3. Limestone
4. Access Ladder
5. Curved Lock Gates
6. Timber Bridge- Traffic and Pedestrian access
7. Existing Crane
8. Existing Winch

- Vegetation/ Biological growth
- Openings/ Cracks
- Water Ingress (noted in this location)
- Rusted Hook
- Line of Proposed Concrete Wall (see UA Drawings for more information)
- Site Boundary

Reference Plan: George's Dock



Elevation 1 (1/3)

Elevation 1 (2/3)

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REV.	NOTES	DATE
-	Issued to client for draft review	07/02/19
A	Issued to client for draft review	15/02/19
B	Issued to client for Part 8 review	03/05/19
C	Issued to client for Part 8 review	05/06/19
D	Issued for Part 8 submission.	14/08/19

HOWLEY HAYES ARCHITECTS						
19 Rock Hill, Blackrock, Co. Dublin info@howleyhayes.ie T:01 278 4644 F:01 278 4464						
PROJECT: White Water Rafting Course						
CLIENT: Dublin City Council						
DRAWING TITLE: George's Dock - Existing Elevation 1						DRAWING NO.: P-001
PROJECT STAGE: Planning	JOB NO.: 0519	SCALE: 1:100@A3	DATE: 05.02.19	DRAWN: DB	CHECKED BY: LOC	REVISION: D

Notes:

Georges Dock Survey Drawings Prepared by
Murphys Surveyors (2019)

Elevation 1: Visible: 234.73sqm
Hidden: 105.33sqm

Elevation 2: Visible: 108.87sqm
Hidden: 125.36sqm

General Notes:

1. Remove all vegetation and biological growth from the existing dock walls by hand.
2. Removal of all debris and marine life fixed to the dock walls in the inner dock.
3. Assess all cracks and openings with structural engineer.
4. Repointing of joints where required, with suitable mortar mix. Note large open joints may require significant repointing to considerable depth, with stone inserts where required. Open joints will be closed. Existing mortar to be analysed to determine mix.
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7. Remove all friable/ loose cement repairs.
8. Assess all infill brick/ block repairs for stability.
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10. Remove all access ladders throughout. Photo record of ladders prior to removal. Retain one ladder onsite for future display. New ladders, if required, will not be fixed into existing historic stonework but fixed at bottom and top, beyond the granite copings.
11. Existing lock gates to be fully recorded, dismantled and stored off site.
12. Existing winches to be fully protected during the works. Winch to east of lock gates to be temporarily removed only if required.
13. Indent repairs to be employed where required. Samples of indent repairs to be prepared during investigation works package for review by planner and conservation officer.

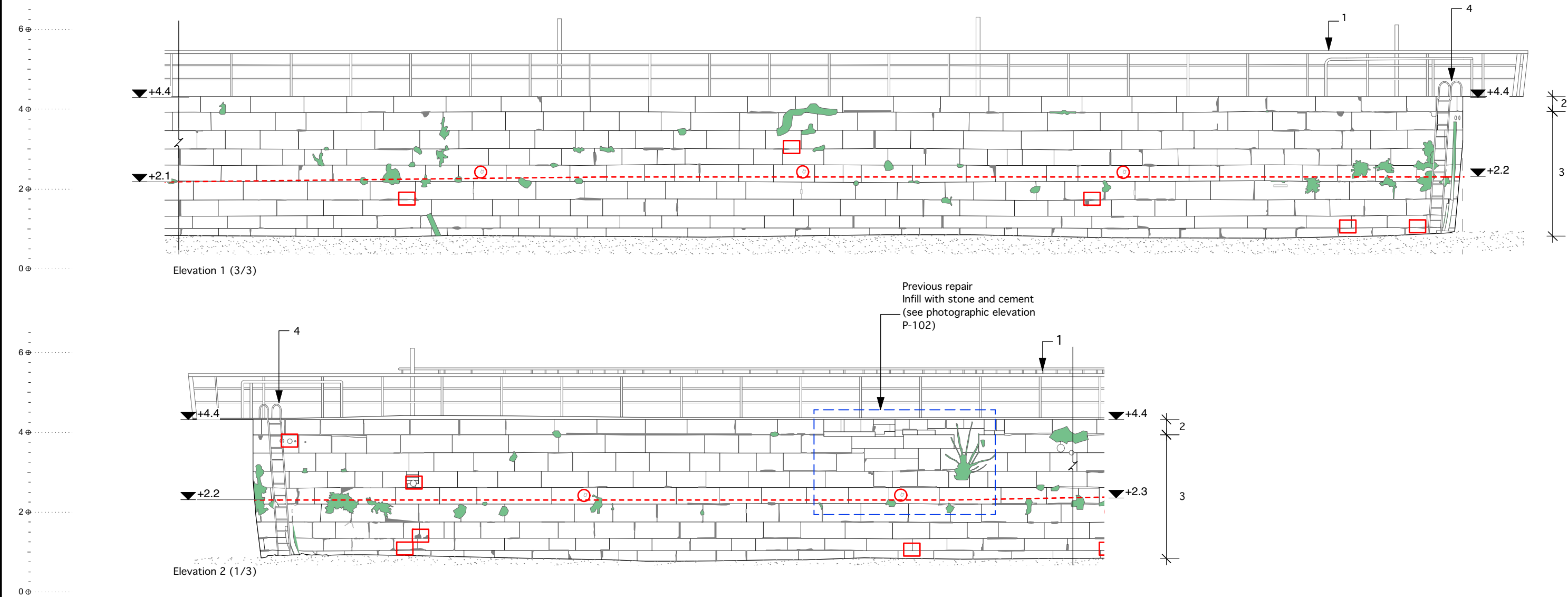
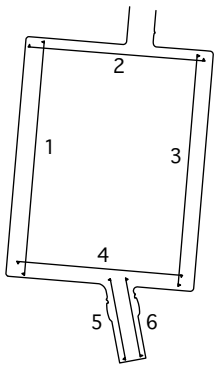
Legend:

(All existing)

1. Stainless Steel Balustrade
2. Granite Coping Stone
3. Limestone
4. Access Ladder
5. Curved Lock Gates
6. Timber Bridge- Traffic and Pedestrian access
7. Existing Crane
8. Existing Winch

- Vegetation/ Biological growth
- Openings/ Cracks
- Water Ingress (noted in this location)
- Rusted Hook
- Line of Proposed Concrete Wall (see UA Drawings for more information)
- Site Boundary

Reference Plan: George's Dock



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C	Issued to client for Part 8 review	05/06/19
D	Issued for Part 8 submission.	14/08/19

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19 Rock Hill, Blackrock, Co. Dublin info@howleyhayes.ie T:01 278 4644 F:01 278 4464							
PROJECT: White Water Rafting Course							
CLIENT: Dublin City Council							
DRAWING TITLE: George's Dock - Existing Elevation 1 & 2							DRAWING NO.: P-002
PROJECT STAGE: Planning	JOB NO.: 0519	SCALE: 1:100@A3	DATE: 05.02.19	DRAWN: DB	CHECKED BY: LOC	REVISION: D	

Notes:

Georges Dock Survey Drawings Prepared by
Murphys Surveyors (2019)

Elevation 2: Visible: 108.87sqm
Hidden: 125.36sqm

General Notes:

1. Remove all vegetation and biological growth from the existing dock walls by hand.
2. Removal of all debris and marine life fixed to the dock walls in the inner dock.
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12. Existing winches to be fully protected during the works. Winch to east of lock gates to be temporarily removed only if required.
13. Indent repairs to be employed where required. Samples of indent repairs to be prepared during investigation works package for review by planner and conservation officer.

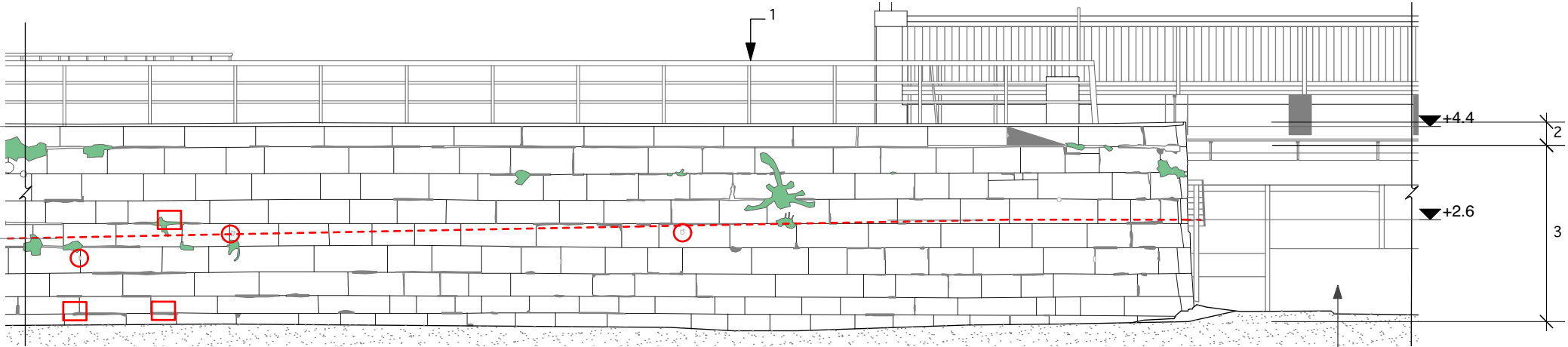
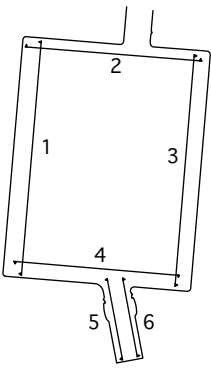
Legend:

(All existing)

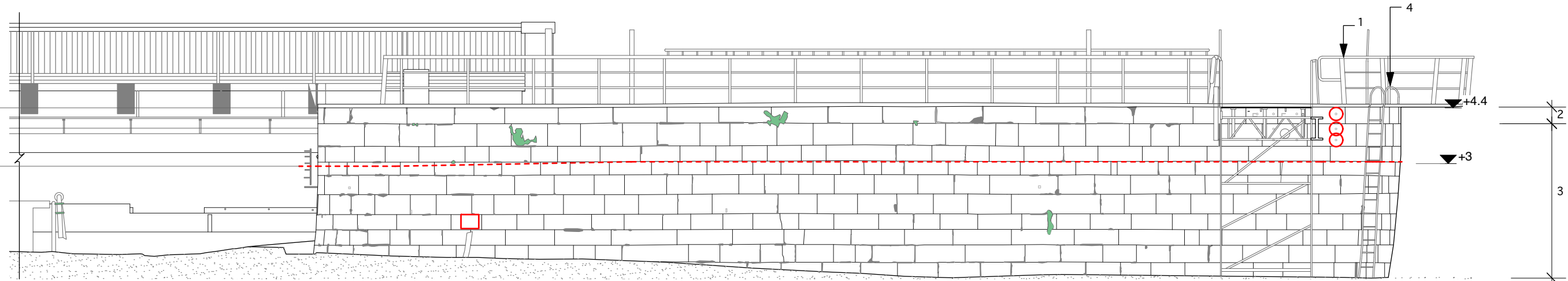
1. Stainless Steel Balustrade
2. Granite Coping Stone
3. Limestone
4. Access Ladder
5. Curved Lock Gates
6. Timber Bridge- Traffic and Pedestrian access
7. Existing Crane
8. Existing Winch

- Vegetation/ Biological growth
- Openings/ Cracks
- Water Ingress (noted in this location)
- Rusted Hook
- Line of Proposed Concrete Wall (see UA Drawings for more information)
- Site Boundary

Reference Plan: George's Dock



Elevation 2 (2/3)



Elevation 2 (3/3)

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B	Issued to client for Part 8 review	03/05/19
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D	Issued for Part 8 submission.	14/08/19

HOWLEY HAYES ARCHITECTS						
19 Rock Hill, Blackrock, Co. Dublin info@howleyhayes.ie T:01 278 4644 F:01 278 4464						
PROJECT: White Water Rafting Course						
CLIENT: Dublin City Council						
DRAWING TITLE: George's Dock - Existing Elevation 2						DRAWING NO.: P-003
PROJECT STAGE: Planning	JOB NO.: 0519	SCALE: 1:100@A3	DATE: 05.02.19	DRAWN: DB	CHECKED BY: LOC	REVISION: D

Notes:

Georges Dock Survey Drawings Prepared by
Murphys Surveyors (2019)

Elevation 3: Visible: 66.27 sqm
Hidden: 315.132 sqm

General Notes:

1. Remove all vegetation and biological growth from the existing dock walls by hand.
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12. Existing winches to be fully protected during the works. Winch to east of lock gates to be temporarily removed only if required.
13. Indent repairs to be employed where required. Samples of indent repairs to be prepared during investigation works package for review by planner and conservation officer.

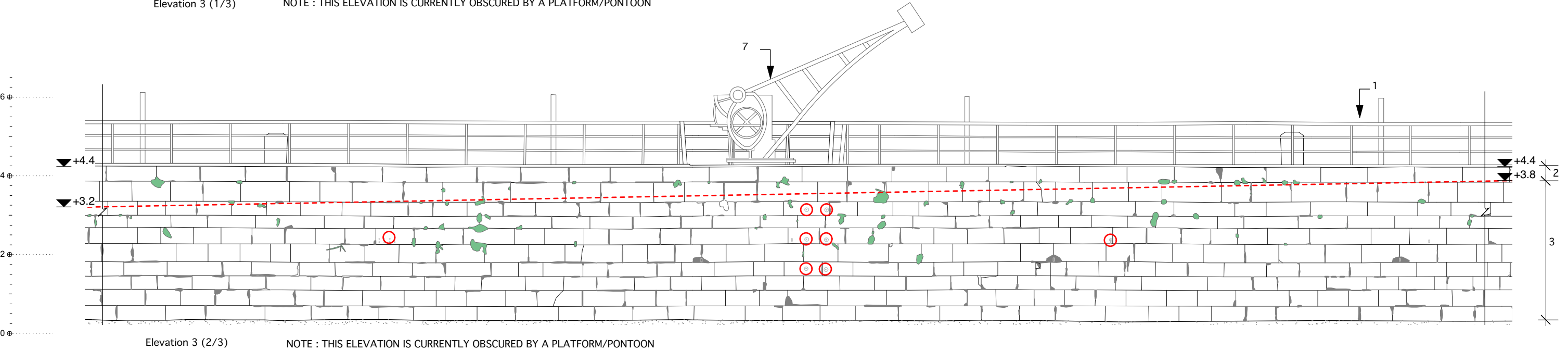
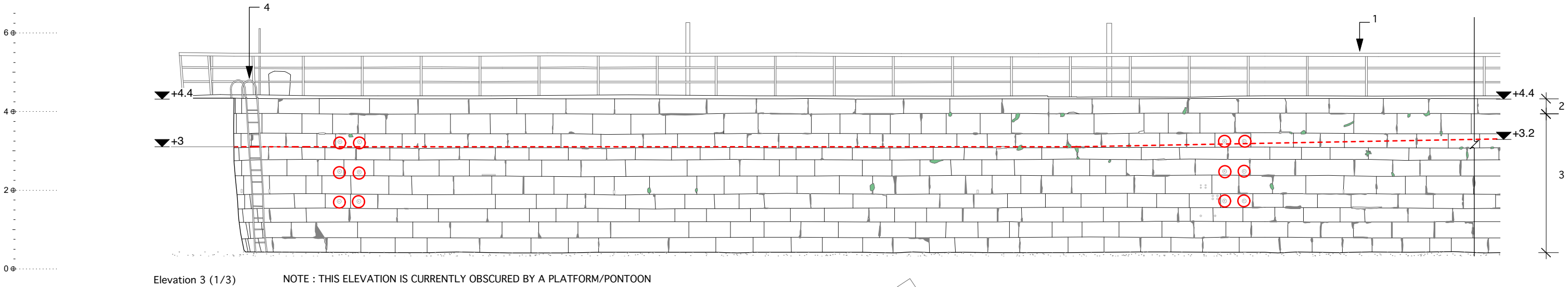
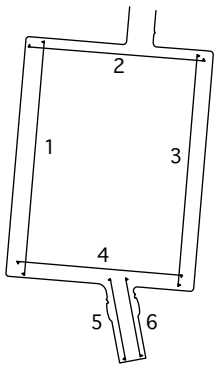
Legend:

(All existing)

1. Stainless Steel Balustrade
2. Granite Coping Stone
3. Limestone
4. Access Ladder
5. Curved Lock Gates
6. Timber Bridge- Traffic and Pedestrian access
7. Existing Crane
8. Existing Winch

- Vegetation/ Biological growth
- Openings/ Cracks
- Water Ingress (noted in this location)
- Rusted Hook
- Line of Proposed Concrete Wall (see UA Drawings for more information)
- Site Boundary

Reference Plan: George's Dock



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19 Rock Hill, Blackrock, Co. Dublin info@howleyhayes.ie T:01 278 4644 F:01 278 4464						
PROJECT: White Water Rafting Course						
CLIENT: Dublin City Council						
DRAWING TITLE: George's Dock - Existing Elevation 3						DRAWING NO.: P-004
PROJECT STAGE: Planning	JOB NO.: 0519	SCALE: 1:100@A3	DATE: 05.02.19	DRAWN: DB	CHECKED BY: LOC	REVISION: D

Notes:

Georges Dock Survey Drawings Prepared by
Murphys Surveyors (2019)

Elevation 3: Visible: 66.27 sqm
Hidden: 315.132 sqm

Elevation 4: Visable: 120.11 sqm
Hidden: 118.32 sqm







General Notes:

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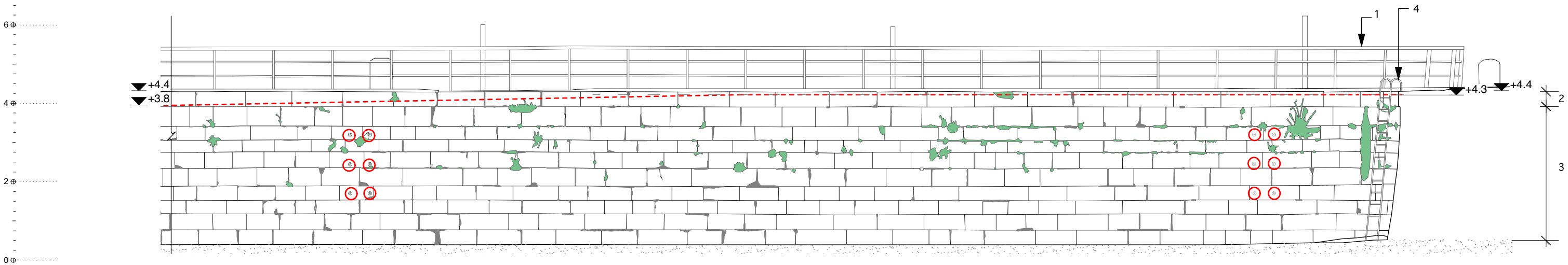
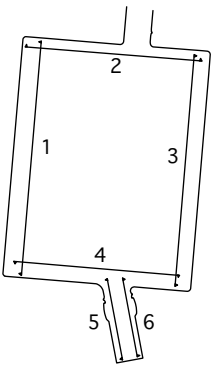
Legend:

(All existing)

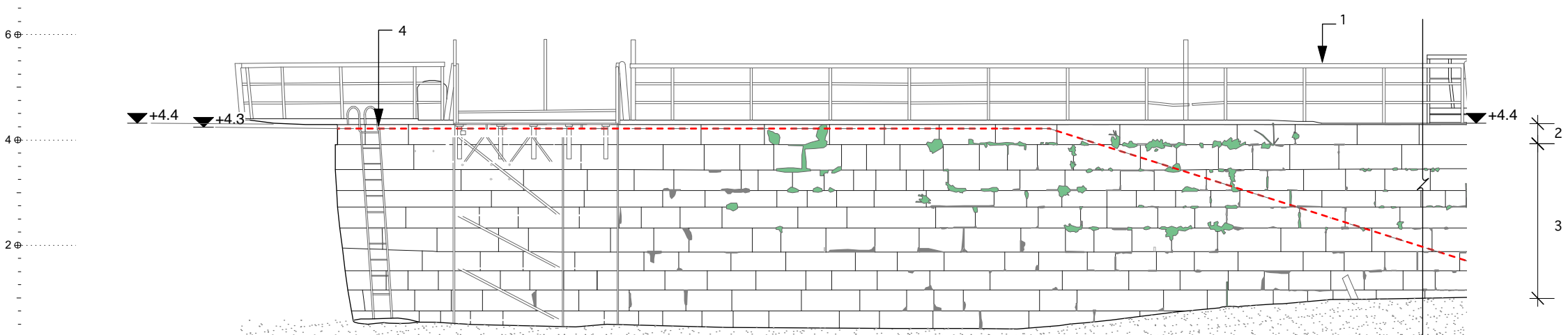
1. Stainless Steel Balustrade
2. Granite Coping Stone
3. Limestone
4. Access Ladder
5. Curved Lock Gates
6. Timber Bridge- Traffic and Pedestrian access
7. Existing Crane
8. Existing Winch

-  Vegetation/ Biological growth
-  Openings/ Cracks
-  Water Ingress (noted in this location)
-  Rusted Hook
-  Line of Proposed Concrete Wall (see UA Drawings for more information)
-  Site Boundary

Reference Plan: George's Dock



Elevation 3 (3/3)



Elevation 4 (1/3)

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-	Issued to client for draft review	07/02/19
A	Issued to client for draft review	15/02/19
B	Issued to client for Part 8 review	03/05/19
C	Issued to client for Part 8 review	05/06/19
D	Issued for Part 8 submission.	14/08/19

HOWLEY HAYES ARCHITECTS							
19 Rock Hill, Blackrock, Co. Dublin info@howleyhayes.ie T:01 278 4644 F:01 278 4464							
PROJECT: White Water Rafting Course							
CLIENT: Dublin City Council							
DRAWING TITLE: George's Dock - Existing Elevation 3 & 4							DRAWING NO.: P-005
PROJECT STAGE: Planning	JOB NO.: 0519	SCALE: 1:100@A3	DATE: 05.02.19	DRAWN: DB	CHECKED BY: LOC	REVISION: D	

Notes:

Georges Dock Survey Drawings Prepared by Murphys Surveyors (2019)

Elevation 4: Visible: 120.11 sqm
Hidden: 119.39 sqm

General Notes:

1. Remove all vegetation and biological growth from the existing dock walls by hand.
2. Removal of all debris and marine life fixed to the dock walls in the inner dock.
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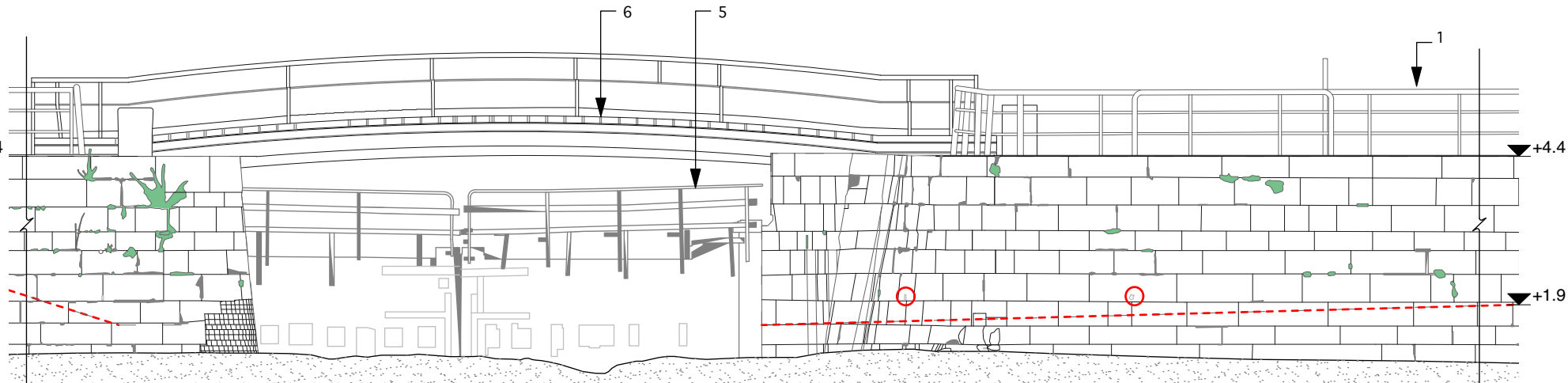
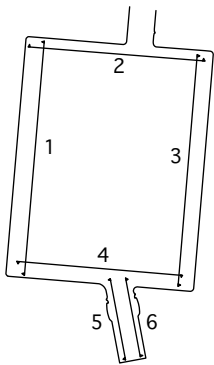
Legend:

(All existing)

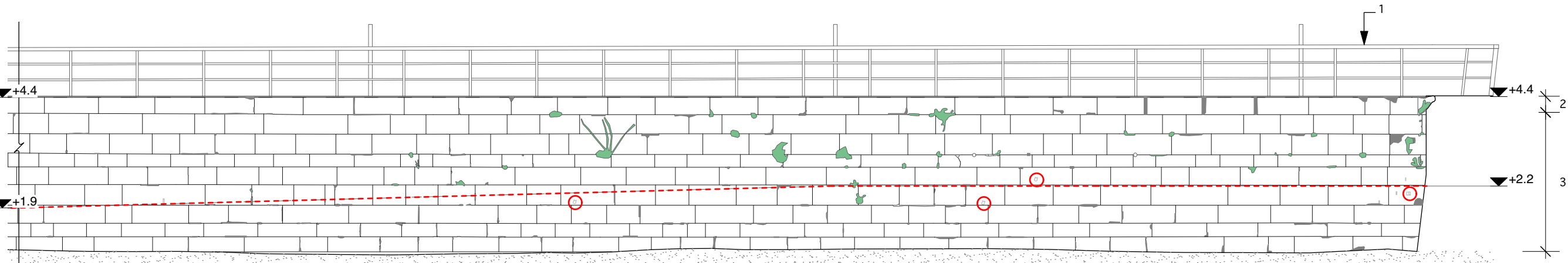
1. Stainless Steel Balustrade
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4. Access Ladder
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6. Timber Bridge- Traffic and Pedestrian access
7. Existing Crane
8. Existing Winch

- Vegetation/ Biological growth
- Openings/ Cracks
- Water Ingress (noted in this location)
- Rusted Hook
- Line of Proposed Concrete Wall (see UA Drawings for more information)
- Site Boundary

Reference Plan: George's Dock



Elevation 4 (2/3)



Elevation 4 (3/3)

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REV.	NOTES	DATE
-	Issued to client for draft review	07/02/19
A	Issued to client for draft review	15/02/19
B	Issued to client for Part 8 review	03/05/19
C	Issued to client for Part 8 review	05/06/19
D	Issued for Part 8 submission.	14/08/19

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19 Rock Hill, Blackrock, Co. Dublin info@howleyhayes.ie T:01 278 4644 F:01 278 4464							
PROJECT: White Water Rafting Course							
CLIENT: Dublin City Council							
DRAWING TITLE: George's Dock - Existing Elevation 4							DRAWING NO.: P-006
PROJECT STAGE: Planning	JOB NO.: 0519	SCALE: 1:100@A3	DATE: 05.02.19	DRAWN: DB	CHECKED BY: LOC	REVISION: D	

Notes:

Georges Dock Survey Drawings Prepared by Murphys Surveyors (2019)

Elevation 5: Visible: 88.61sqm
Hidden: 25.82sqm

Elevation 6: Visible: 75.42sqm
Hidden: 20.48qm







General Notes:

1. Remove all vegetation and biological growth from the existing dock walls by hand.
2. Removal of all debris and marine life fixed to the dock walls in the inner dock.
3. Assess all cracks and openings with structural engineer.
4. Repointing of joints where required, with suitable mortar mix. Note large open joints may require significant repointing to considerable depth, with stone inserts where required. Open joints will be closed. Existing mortar to be analysed to determine mix.
5. Investigate source of all ground water ingress. It is likely ground water seeping through the open joints.
Note: repointing of the walls will ensure that this does not continue to the same extent. Adequate drainage channel to be provided to the base of the new wall.
6. Treat rusted elements in situ where possible - remove rust and apply rust resistant coating. Remove rusted elements beyond repair.
7. Remove all friable/ loose cement repairs.
8. Assess all infill brick/ block repairs for stability.
9. Full clean to all exposed stone work over proposed new concrete walls - areas noted on drawings. Cleaning trials to be carried out and agreed with conservation officer and planner during conservation works. Medium pressure water with fine aggregate clean should be sufficient to remove dirt, paint and other debris.
10. Remove all access ladders throughout. Photo record of ladders prior to removal. Retain one ladder onsite for future display. New ladders, if required, will not be fixed into existing historic stonework but fixed at bottom and top, beyond the granite copings.
11. Existing lock gates to be fully recorded, dismantled and stored off site.
12. Existing winches to be fully protected during the works. Winch to east of lock gates to be temporarily removed only if required.
13. Indent repairs to be employed where required. Samples of indent repairs to be prepared during investigation works package for review by planner and conservation officer.

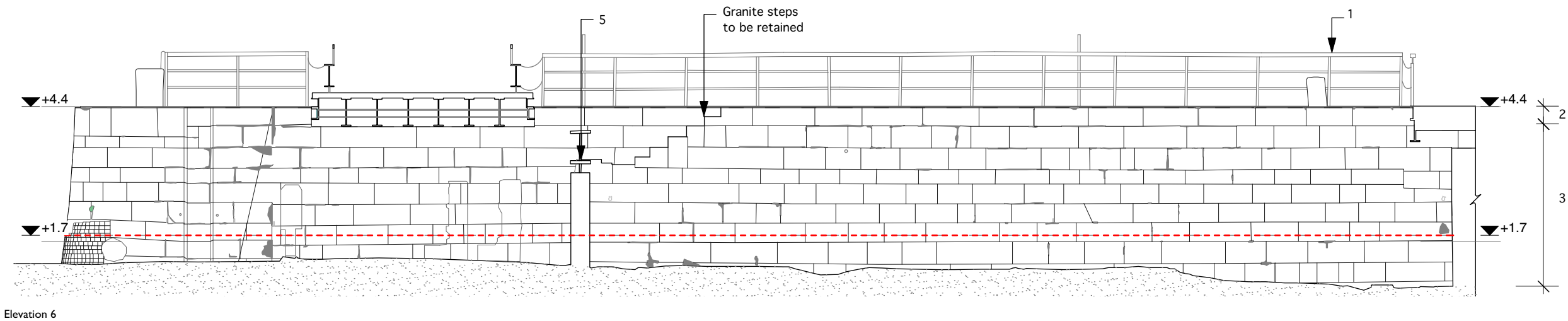
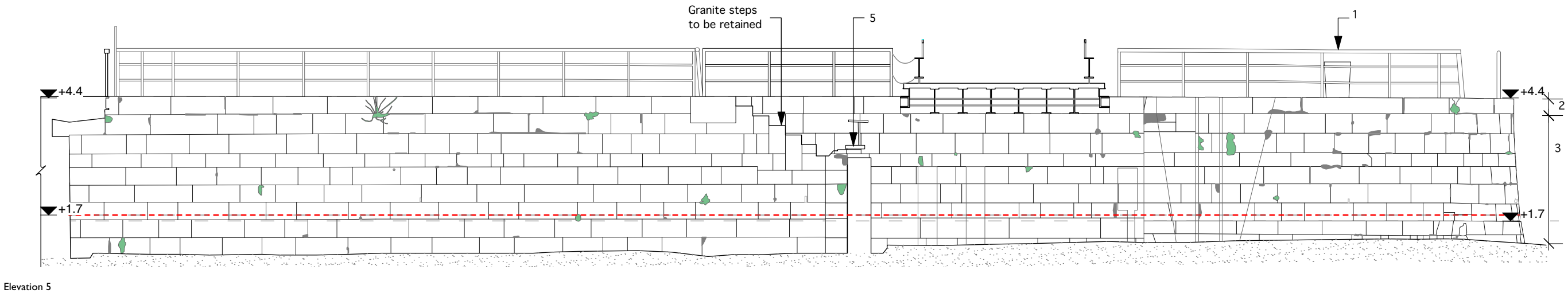
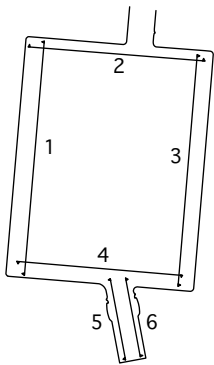
Legend:

(All existing)

1. Stainless Steel Balustrade
2. Granite Coping Stone
3. Limestone
4. Access Ladder
5. Curved Lock Gates
6. Timber Bridge- Traffic and Pedestrian access
7. Existing Crane
8. Existing Winch

-  Vegetation/ Biological growth
-  Openings/ Cracks
-  Water Ingress (noted in this location)
-  Rusted Hook
-  Line of Proposed Concrete Wall (see UA Drawings for more information)
-  Site Boundary

Reference Plan: George's Dock



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PROJECT: White Water Rafting Course							
CLIENT: Dublin City Council							
DRAWING TITLE: George's Dock - Existing Elevation 5 & 6							DRAWING NO.: P-007
PROJECT STAGE: Planning	JOB NO.: 0519	SCALE: 1:100@A3	DATE: 05.02.19	DRAWN: DB	CHECKED BY: LOC	REVISION: D	

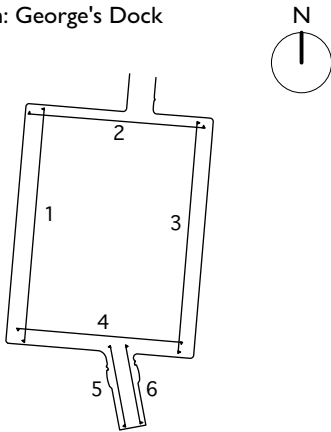
Notes:

Georges Dock Survey Drawings Prepared by
Murphys Surveyors (2019)

Elevation I: Visible: 234.73sqm
Hidden: 105.33sqm

----- Line of Proposed Concrete Wall- Shown Indicatively
(see UA Drawings for more information)

Reference Plan: George's Dock



Elevation 1 (1/3)



Elevation 1 (2/3)

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PROJECT: White Water Rafting Course							
CLIENT: Dublin City Council							
DRAWING TITLE: George's Dock - Existing Elevation 1						DRAWING NO.: P-101	
PROJECT STAGE: Planning	JOB NO.: 0519	SCALE: 1:100@A3	DATE: 05.02.19	DRAWN: DB	CHECKED BY: LOC	REVISION: A	

Notes:

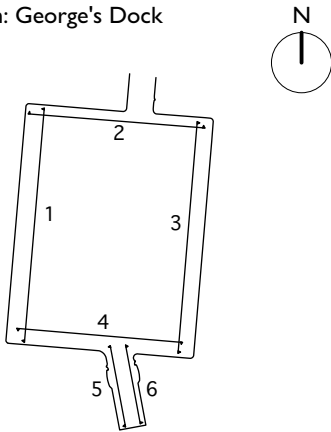
Georges Dock Survey Drawings Prepared by
Murphys Surveyors (2019)

Elevation 1: Visible: 234.73sqm
Hidden: 105.33sqm

Elevation 2: Visible: 108.87sqm
Hidden: 125.36sqm

----- Line of Proposed Concrete Wall- Shown Indicatively
(see UA Drawings for more information)

Reference Plan: George's Dock



Elevation 1 (3/3)



Elevation 2 (1/3)

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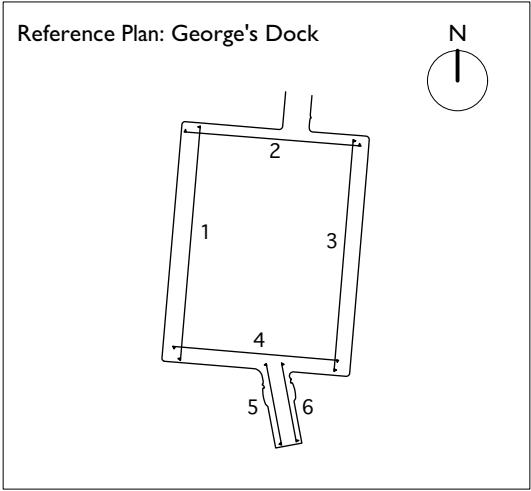
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PROJECT: White Water Rafting Course							
CLIENT: Dublin City Council							
DRAWING TITLE: George's Dock - Existing Elevation 1 & 2						DRAWING NO.: P-102	
PROJECT STAGE: Planning	JOB NO.: 0519	SCALE: 1:100@A3	DATE: 05.02.19	DRAWN: DB	CHECKED BY: LOC	REVISION: A	

Notes:

Georges Dock Survey Drawings Prepared
by Murphys Surveyors (2019)

Elevation 4: Visable: 120.11 sqm
Hidden: 118.32 sqm

--- Line of Proposed Concrete Wall- Shown Indicatively
(see UA Drawings for more information)



Note:

Elevation 3 and 4 are currently obscured by
a platform/ pontoon thereore access has
been limited for photographic survey.

6 @
4 @
2 @
0 @



Elevation 4 (2/3)

6 @
4 @
2 @
0 @



Elevation 4 (3/3)

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PROJECT: White Water Rafting Course							
CLIENT: Dublin City Council							
DRAWING TITLE: George's Dock - Existing Elevation 4						DRAWING NO.: P-103	
PROJECT STAGE: Planning	JOB NO.: 0519	SCALE: 1:100@A3	DATE: 05.02.19	DRAWN: DB	CHECKED BY: LOC	REVISION: A	

- Legend:
- Protected Structure:
- 1. George's Dock RPS:3173
 - 2. The Swing Bridges RPS: 896
 - 3. Stack A RPS: 2094
 - 4. Harbourmaster RPS: 2095
 - 5. Custom House RPS: 2096
 - 6. Inner Dock RPS: 3995
- Recorded Monuement:
- A. Site of Glasshouse
 - B. Old Sea Wall



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PROJECT: White Water Rafting Course							
CLIENT: Dublin City Council							
DRAWING TITLE: Surrounding Protected Structures & Monuments						DRAWING NO.: P-104	
PROJECT STAGE: Planning	JOB NO.: 0519	SCALE: -	DATE: 05.02.19	DRAWN: DB	CHECKED BY: LOC	REVISION: -	