

Appendices



Appendix A Port Precincts



Port of Newcastle Port Development Plan, 2015-2020, p.20

Appendix B Plans and Elevations, Dyke Point Shed

ADW Johnson, 2016



M.G.A.



Working beyond expectations

drawing title:

Site Plan of
Dyke Point Shed,
Dyke Point

location: Carrington

council: Newcastle

dwg ref: 239417-SITE-002-B

client:



johnson

central coast office ph: (02) 4305 4300

hunter office ph: (02) 4978 5100

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LEGEND

STORMWATER DRAINAGE

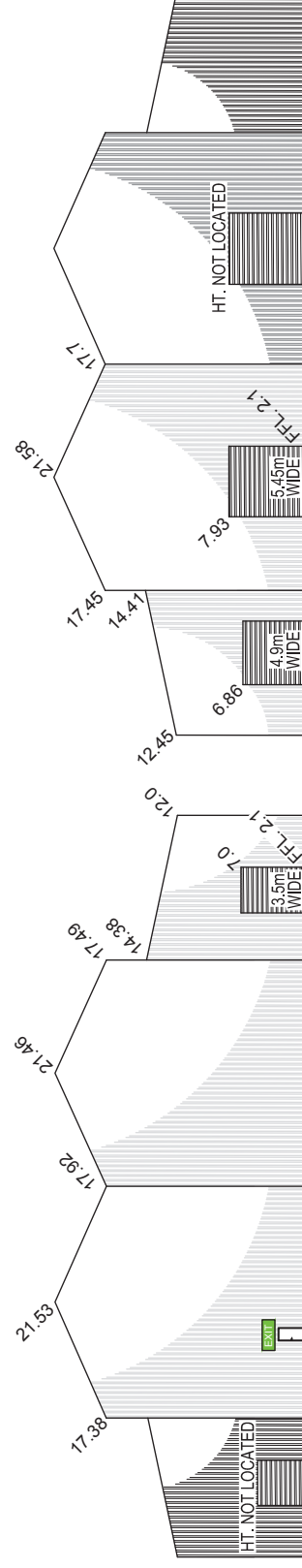
FENCE

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B	23.09.16	ADDITIONAL DETAILS	-	ZJ	TC	TC			Date of Surv.

project management • civil engineering • infrastructure • superintendency • economic analysis • social impact • town planning • surveying • development feasibility • visualisation • urban design

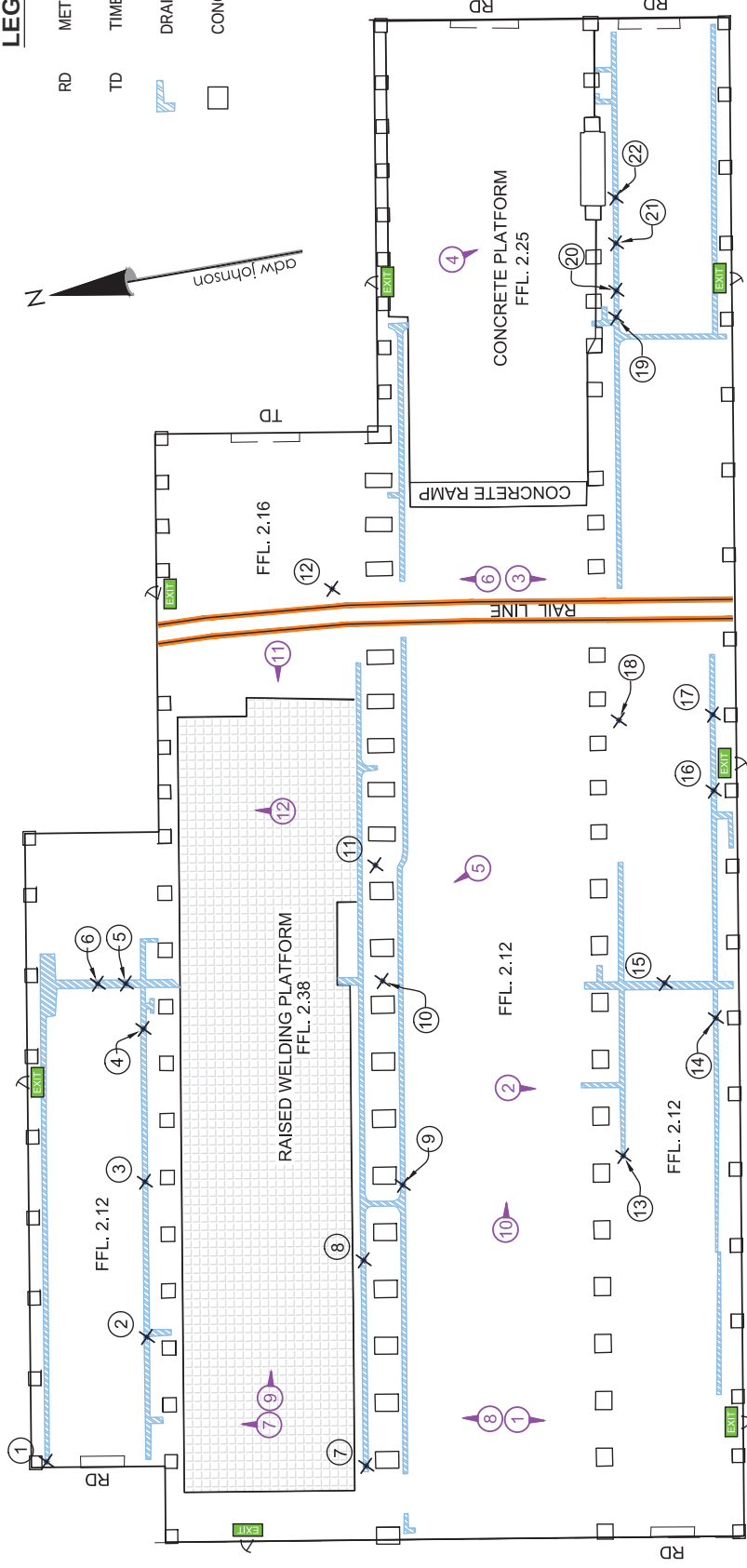
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C	23-09-16	NORTH AND SOUTH ELEVATIONS ADDED	JW	MC	TC	TC			Date of Surv 15-01-16

EASTERN ELEVATION



LEGEND

- | | |
|---|-----------------------|
| RD | METAL ROLLER DOOR |
| TD | TIMBER DOOR |
|  | DRAINAGE PIT / TRENCH |
|  | CONCRETE COLUMN BASE |



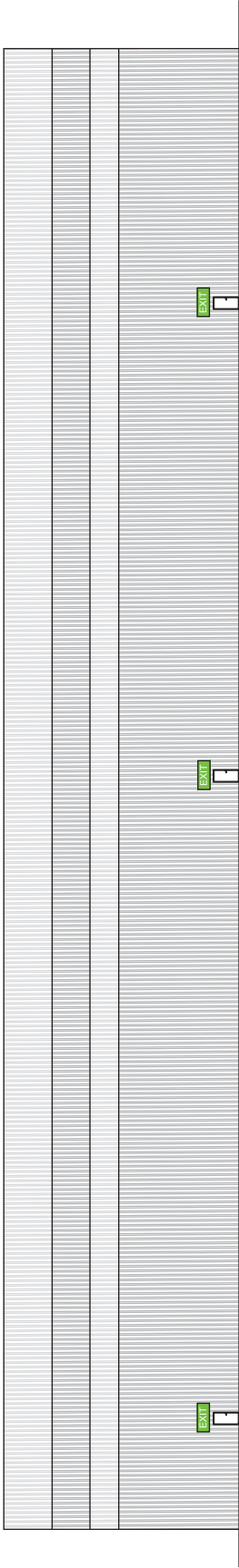
Point #	Eastings	Northings
1	385466.43	6356657.63
2	385474.91	6356647.94
3	385487.24	6356645.93
4	385499.37	6356643.92
5	385503.20	6356644.68
6	385503.58	6356646.90
7	385461.65	6356632.37
8	385477.96	6356629.70
9	385483.39	6356625.56
10	385499.83	6356624.30
11	385509.09	6356623.26
12	385531.58	6356622.81
13	385482.61	6356607.68
14	385492.73	6356598.42
15	385495.72	6356601.99
16	385510.27	6356595.42
17	385536.30	6356594.42
18	385517.18	6356601.94
19	385549.13	6356596.53
20	385551.22	6356596.14
21	385554.99	6356595.91
22	385558.62	6356594.91

Plan of Dyke Point Shed, Dyke Point

location:	Carrington
council:	Newcastle
dwg ref:	239417-SITE
client:	

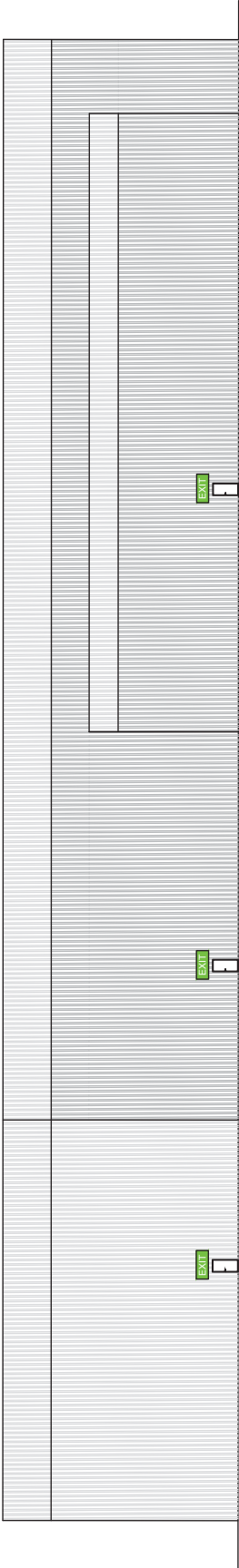


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SOUTHERN ELEVATION

SCALE 1:400



NORTHERN ELEVATION

SCALE 1:400

ver.	date	comment	surveyed	drawn	checked	pm	co-ordinate & level information		scale (A3 original size)	page
B	28-01-16	SITE PLAN, AMENDED PITS & PHOTOS ADDED	JW	RC	TC	TC	CO-ORDINATE SYSTEM: MGA 56 ORIGIN OF CO-ORDINATES: SSM 35978 DATUM: A.H.D. ORIGIN OF LEVELS: n/a CONTOUR INTERVAL: n/a	0 10.0 20.0m SCALE: 1:400 (FULL)	2 OF 3	Date of Surv 15-01-16
C	23/09/16	NORTH AND SOUTH ELEVATIONS ADDED	JW	MC	TC	TC				

• project management • civil engineering • infrastructure • superintendency • economic analysis • social impact • town planning • surveying • development feasibility • visualisation • urban design

drawing title:

Plan of
Dyke Point Shed,
Dyke Point

location: Carrington

council: Newcastle

dwg ref: 239417-SITE-001-C

client:



central coast office ph: (02) 4305 4300
hunter office ph: (02) 4978 5100

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PHOTO #01



PHOTO #02

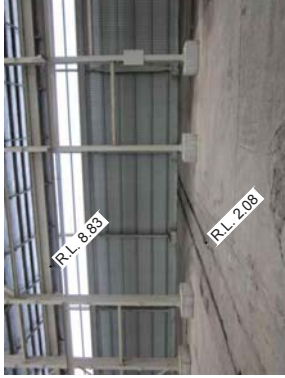


PHOTO #03



PHOTO #04



PHOTO #05



PHOTO #06



PHOTO #07



PHOTO #08



PHOTO #09



PHOTO #10



PHOTO #11



PHOTO #12

ver.	date	comment	surveyed	drawn	checked	pm	co-ordinate & level information			scale (A3 original size)	page
B	28-01-16	SITE PLAN, AMENDED PITS & PHOTOS ADDED	JW	RC	TC	TC	MGA 56 ORIGIN OF CO-ORDINATES: SSM 35978 DATUM: A.H.D. ORIGIN OF LEVELS: n/a CONTOUR INTERVAL: n/a			0 10.0 20.0m SCALE: 1:400 (FULL)	3 OF 3
C	23-09-16	NORTH AND SOUTH ELEVATIONS ADDED	JW	MC	TC	TC					Date of Surv 15-01-16

drawing title:
Licence Plan of
Dyke Point Shed,
Dyke Point

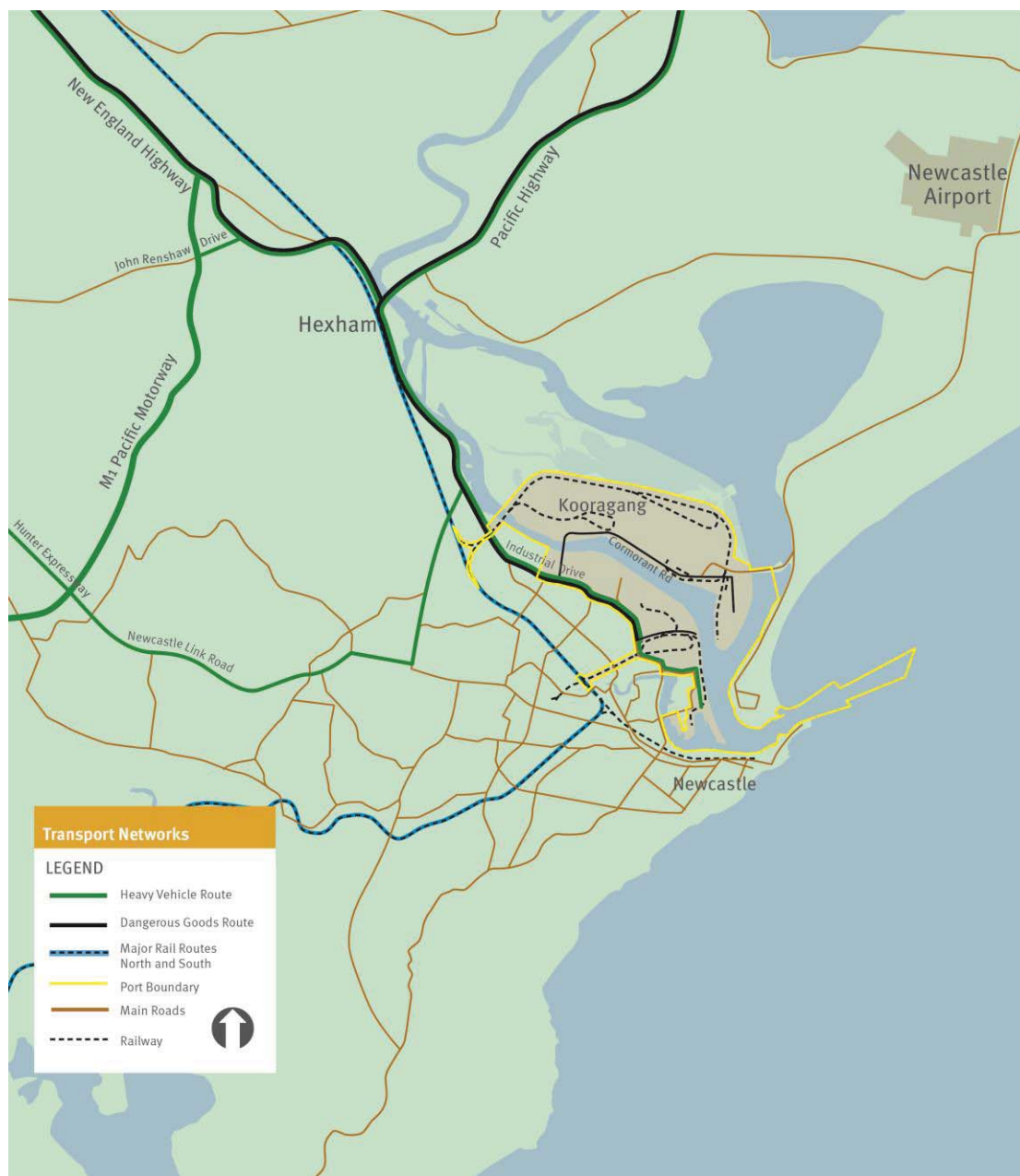
location: Carrington
council: Newcastle
dwg ref: 239417-SITE-001-C
client:



central coast office ph: (02) 4305 4300
hunter office ph: (02) 4978 5100

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Appendix C Transport Network



Port of Newcastle Port Development Plan, 2015-2020, p.26

Appendix D Fire Safety Certificate



Date: 26 September 2016
Attention: Peter Ostrowski
Email: Peter.ostrowski@portofnewcastle.com.au
Phone: (02) 0438 770 654
From: Peter Payne
Subject: Dyke Point Shed – Fire Services

Peter,

Further to our recent site visit in regards to the essential fire safety measures at the Dyke Point Shed, we submit the following for your perusal.

Site Address

Lot 93, DP 1193181,
Dyke Point Road,
Carrington

Building Classification - BCA Class 10a (Shed)

We confirm that the building complies with the requirements for a BCA Class 10a building in regards to essential fire safety measures and number of available exits as per the requirements of the Building Code of Australia.

Should you require any further information or further clarification, please contact the undersigned.

Yours faithfully,
Wormald.

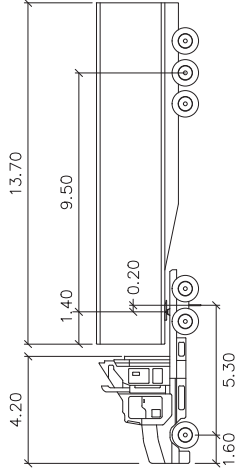
A handwritten signature in black ink, appearing to read 'Peter Payne', with a horizontal line extending to the right.

Peter Payne
Fire Systems Assessor
Ph: 0407 375 419
Fx: 02 4028 2042
Em: petpayne@tycoint.com

Appendix E Traffic Management Plan

ADW Johnson, 2016





PM SEMI 19m

Tractor Width	2.50
Trailer Width	2.50
Tractor Track	2.50
Trailer Track	2.50

Lock to Lock Time	6.0
Steering Angle	27.8
Articulating Angle	70.0



drawing title:

19m SEMI Turning Templates Dyke Point

location: Carrington

council: Newcastle

dwg ref: 239417-TURN-001-B

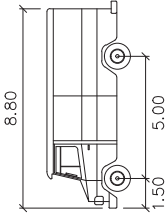
client:



johnson
central coast office ph: (02) 4305 4300
hunter office ph: (02) 4978 5100

www.qdwhjohnson.com.au

ver.	date	comment	surveyed	drawn	checked	pm	co-ordinate & level information			scale (A3 original size)			page
A	20.09.16	INITIAL ISSUE	JW	ZJ	TC	TC	CO-ORDINATE SYSTEM:	MGA 56	ORIGIN OF CO-ORDINATES:	SSM 35978	</		



SERVICE VEHICLE

Width : 2.50
Track : 2.50
Lock to Lock Time : 6.0
Steering Angle : 38.7



drawing title:

SERVICE VEHICLE
Turning Templates
Dyke Point

location: Carrington

council: Newcastle

dwg ref: 239417-TURN-001-B

client:



johnson
central coast office ph: (02) 4305 4300
hunter office ph: (02) 4978 5100

www.qdwhjohnson.com.au

ver.	date	comment	surveyed	drawn	checked	pm	co-ordinate & level information			scale (A3 original size)			page
A	20.09.16	INITIAL ISSUE	JW	ZJ	TC	TC	CO-ORDINATE SYSTEM:	MGA 56	ORIGIN OF CO-ORDINATES:	SSM 35978		2 OF 3	
B	23.09.16	UPDATE TURNING PATHS	-	ZJ	TC	TC	DATUM:	A.H.D.	ORIGIN OF LEVELS:	N/A			Date of Surv
													15-01-16
• project management • civil engineering • infrastructure • superintendency • economic analysis • social impact • town planning • surveying • development feasibility • visualisation													



Width	meters
Track	: 2.50
Lock to Lock Time	: 2.50
Steering Angle	: 6.0
	: 36.6



SU Truck
Turning Templates
Dyke Point

client:

 Port of Newcastle

central coast office ph: (02) 4305 4300
hunter office ph: (02) 4978 5100

www.

ver.	date	comment	surveyed	drawn	checked	pm	co-ordinate & level information	scale (A3 original size)	page
A	20.09.16	INITIAL ISSUE	JW	ZJ	TC	TC	CO-ORDINATE SYSTEM: MGA 56 ORIGIN OF CO-ORDINATES: SSM 3 5978 DATUM: A.H.D. ORIGIN OF LEVELS: N/A CONTOUR INTERVAL: N/A	0 25.0 50.0 62.5m SCALE: 1:1250 (FULL)	3 OF 3
B	23.09.16	UPDATE TURNING PATHS	-	ZJ	TC	TC			Date of Surv 15-01-16

- project management
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- infrastructure
- supremtendency
- economic analysis
- social impact
- town planning
- surveying
- development feasibility
- visualisation
- urban design

Appendix F Noise Impact Assessment

Vipac Engineers and Scientists, 2016



Appendix G PON s.170 Heritage Register: Crane Base No. 1 - 4



Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.4**
 Location: **Carrington [Newcastle City]**
 SHI Number: **3930027**

Address: 140 Bourke Street Carrington 2294
 Suburb / Nearest Town: Lot 93 DP 1193181
 Local Govt Area: Newcastle
 State: NSW

DP&I Region: Hunter & Central Coast
 Historic Region: Lower Hunter
 Parish: Newcastle
 County: Northumberland

Other/Former Names:

Area/Group/Complex: Dyke Point Crane Bases

Group ID:

Aboriginal Area: Awabakal

Curtilage/Boundary:

Item Type: Built
 Owner: Port of Newcastle Lessor Pty Limited

Group: Transport - Water

Category: Other - Transport - Water

Admin Codes:

Code 2:

Code 3:

Current Use:

Former Uses: Crane base

Assessed Significance: Local

Endorsed Significance:

Statement of Significance:

The crane base (15 ton crane) is significant as a remnant of one of 12 hydraulic cranes installed along the dyke between 1877-1888. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal.

Historical Notes or Provenance:

Between 1877 and 1888, twelve cranes were installed along The Dyke. They were operated by hydraulic power provided by the nearby Hydraulic Power House.

This was the base for a crane which was installed in 1888 and became known as Dyke Crane No.4. It had a lifting capacity of 15 tons and could reach beyond the front of the wharf for a distance of 15ft. 6ins. The crane was used essentially for coal loading, lifting hoppers from underframes for release of the coal directly into the ships. Hydraulic cranes were used from 1877 until c.1936, but the last crane was not removed until 1964. Dyke Crane No.4 was demolished in 1936.

Themes:

National Theme

State Theme

Local Theme

3. Economy

Technology

coal loading

3. Economy

Transport

The shipping of coal and other goods

Designer:

Maker / Builder:

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.4**
 Location: **Carrington [Newcastle City]**
 SHI Number: **3930027**

Year Started: 1877 Year Completed: 1888 Circa: No

Physical Description: Circular brick structure with concrete infill and concrete plinth on top. Bricks made by Joseph Bowtell. Two steel bollards. Remnants of steel anchor bolts through structure.
Physical Condition: Variable. Brickwork unstable in places.

Modification Dates: Crane demolished in 1936.

Recommended Management: Maintain as part of group. Repair brickwork **with lime mortar** (*not* cement) as necessary.

Management: Follow Conservation Management Plan (CMP).

Further Comments:

Criterion (a) The crane base is significant as a remnant of one of 12 hydraulic cranes installed along The Dyke between 1877-1888. The crane bases are historically significant as a record of the essential importance of these machines in the working of the Port. These cranes were used from the 1870s until c1936 for the loading of coal.

Criterion (b)

Criterion (c)

Criterion (d)

Criterion (e)

Criterion (f)

Criterion (g) All though not intact the location and process by which coal was loaded can be demonstrated by this item.

Integrity / Intactness: Fair

References:

Studies:	Author	Title	Number	Year
	Suters Architects	s170 Heritage & Conservation Register		2001

Parcels:

Latitude:

Location validity:

Map Name:

Longitude:

Spatial Accuracy:

Map Scale:

AMG Zone:

Easting:

Northing:

Listings: Name: *State Environmental Planning Policy (Three Ports) 2013* Title: Bullock Island Crane Bases

Number:

Date: 2011

Port of Newcastle Heritage and Conservation Register

Item Name: Crane Base No.4
Location: Carrington [Newcastle City]
SHI Number 3930027

Custom Field One:

Custom Field Two:

Custom Field Three:

Custom Field Four:

Custom Field Five:

Custom Field Six:

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.4**
Location: **Carrington [Newcastle City]**
SHI Number **3930027**

Image:



Caption: Crane Base No.4

Copyright: Suters Architects

Image by: Linda Smith

Image Date: 7/08/2001

Image Number: BW4:22

Image Path:

Image File: 3930027.jpg

Thumb Nail Path:

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.4**
Location: **Carrington [Newcastle City]**
SHI Number **3930027**

Image:



Caption: Crane Base No.4

Copyright: EJE Architecture

Image by: Shea Hedley

Image Date: 16/02/2007

Image Number:

Image Path:

Image File: 3930027b.jpg

Thumb Nail Path:

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.3**
 Location: **Carrington [Newcastle City]**
 SHI Number: **3930028**

Address: 140 Bourke Street Carrington 2294
 Suburb / Nearest: Lot 93, DP 1193181
 Town:
 Local Govt Area: Newcastle
 State: NSW

DP&I Region: Hunter & Central Coast
 Historic Region: Lower Hunter

Parish: Newcastle
 County: Northumberland

Other/Former Names:

Area/Group/Complex: Dyke Point Crane Bases

Group ID:

Aboriginal Area: Awabakal

Curtilage/Boundary:

Item Type: Built
 Owner: Port of Newcastle Lessor Pty Limited

Category: Other - Transport - Water

Admin Codes:

Code 2:

Code 3:

Current Use:

Former Uses:

Crane base

Assessed

Local

Endorsed Significance:

Significance:

Statement of

Significance:

The crane base is historically significant as a remnant of the early steam cranes that were moved from Queen's Wharf to the Dyke in 1889.

Historical Notes or Provenance:

This base supported one of the three steam cranes which were removed from Queen's Wharf and re-erected at The Dyke in 1889. This action followed a decision to centralise government coal loading activities at The Dyke, leaving the city wharves clear for general cargo. The three steam cranes, each of 15 tons capacity and an ability to reach beyond the front of the wharf for a distance of 14ft., were removed from The Dyke in 1908.

Themes:

National Theme

3. Economy

3. Economy

State Theme

Technology

Transport

Local Theme

coal loading

The shipping of coal and other goods

Designer:

Maker / Builder:

Year Started:

Year Completed: 1889

Circa: No

Physical Description: Circular brickwork structure with concrete slab on top. Two steel bollards. Solar lighting tower mounted on base.

Physical Condition:

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.3**
Location: **Carrington [Newcastle City]**
SHI Number: **3930028**

Physical Condition: Fair to good. Brickwork deteriorated, particularly at water level.

Modification Dates: Crane removed in 1908.

Recommended Management: Maintain as part of group. Repair brickwork as necessary.

Management: Produce a Conservation Management Plan (CMP).

Further Comments:

Criterion (a) The crane base is a significant record as a remnant of the early steam cranes that were moved from Queen's Wharf to the Dyke in 1889.

Criterion (b)

Criterion (c)

Criterion (d)

Criterion (e)

Criterion (f)

Criterion (g) All though not intact the location and process by which coal was loaded can be demonstrated by this item.

Integrity / Intactness: Fair

References:

Studies:	Author	Title	Number	Year
	Suters Architects	s170 Heritage & Conservation Register		2001

Parcels:

Latitude:

Location validity:

Map Name:

Longitude:

Spatial Accuracy:

Map Scale:

AMG Zone:

Easting:

Northing:

Listings: Name: *State Environmental Planning Policy (Three Ports) 2013* Title: Bullock Island Crane Bases Number: Date: 2011

Custom Field One:

Custom Field Two:

Custom Field Three:

Custom Field Four:

Port of Newcastle Heritage and Conservation Register

Item Name: Crane Base No.3
Location: Carrington [Newcastle City]
SHI Number 3930028

Custom Field Five:

Custom Field Six:

Data Entry: Date First Entered:03/08/2001 Date Updated:28/09/2013 Status: Completed

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.3**
Location: **Carrington [Newcastle City]**
SHI Number **3930028**

Image:



Caption: Crane Base No.3

Copyright: Suters Architects

Image by: Linda Smith

Image Date: 7/08/2001

Image Number:

Image Path:

Image File: 3930028.jpg

Thumb Nail Path:

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.3**
Location: **Carrington [Newcastle City]**
SHI Number: **3930028**

Image:



Caption: Crane Base No.3

Copyright: EJE Architecture

Image by: Shea Hedley

Image Date: 16/02/2007

Image Number:

Image Path:

Image File: 3930028b.jpg

Thumb Nail Path:

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.2**
 Location: **Carrington [Newcastle City]**
 SHI Number: **3930029**

Address: 140 Bourke Street Carrington 2294
 Suburb / Nearest Town: Lot 93, DP 1193181
 Local Govt Area: Newcastle
 State: NSW

DP&I Region: Hunter & Central Coast
 Historic Region: Lower Hunter

Parish:
 County:

Other/Former Names:

Area/Group/Complex: Dyke Point Crane Bases
 Aboriginal Area: Awabakal

Group ID:

Curtilage/Boundary:

Item Type: Built
 Owner: Port of Newcastle Lessor Pty Limited

Category: Other - Transport - Water

Admin Codes:

Code 2:

Code 3:

Current Use:

Former Uses:

Crane base

Assessed

Local

Endorsed Significance:

Significance:

Statement of

Significance:

The crane base is historically significant as a remnant of the early steam cranes that were moved from Queen's Wharf to the Dyke in 1889.

Historical Notes
 or Provenance:

This base supported one of the three steam cranes which were removed from Queen's Wharf and re-erected on The Dyke in 1889. This action followed a decision to centralise government coal loading activities at The Dyke, leaving the city wharves clear for general cargo. The three steam cranes, each of 15 tons capacity and an ability to reach beyond the front of the wharf for a distance of 14ft., were removed from The Dyke in 1908.

Themes:

National Theme

State Theme

Local Theme

3. Economy

Technology

coal loading

3. Economy

Transport

The shipping of coal and other goods

Designer:

Maker / Builder:

Year Started:

Year Completed: 1889

Circa: No

Physical Description: Resting within seawall. Circular brick structure with concrete slab on top. Two steel bollards. Steel framed timber slatted seat mounted to base.

Physical Condition:

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.2**
Location: **Carrington [Newcastle City]**
SHI Number: **3930029**

Physical Condition: Appears good. Brickwork at water's edge not inspected : may be deteriorating.

Modification Dates: Crane removed in 1908.

Recommended Management: Extend Conservation Management Plan to include all crane bases and Hydraulic Power House. Maintain as part of group. Repair brickwork as necessary.

Management: Produce a Conservation Management Plan (CMP).

Further Comments:

Criterion (a) The crane base is a significant record as a remnant of the early steam cranes that were moved from Queen's Wharf to the Dyke in 1889.

Criterion (b)

Criterion (c)

Criterion (d)

Criterion (e)

Criterion (f)

Criterion (g) All though not intact the location and process by which coal was loaded can be demonstrated by this item.

Integrity / Intactness: Good

References:

Studies:	Author	Title	Number	Year
	Suters Architects	s170 Heritage & Conservation Register		2001

Parcels:

Latitude:

Location validity:

Map Name:

Longitude:

Spatial Accuracy:

Map Scale:

AMG Zone:

Easting:

Northing:

Listings: Name: *State Environmental Planning Policy (Three Ports) 2013*

Title: Bullock Island Crane Bases

Number: Date: 2011

Custom Field One:

Custom Field Two:

Custom Field Three:

Custom Field Four:

Port of Newcastle Heritage and Conservation Register

Item Name: Crane Base No.2
Location: Carrington [Newcastle City]
SHI Number 3930029

Custom Field Five:

Custom Field Six:

Data Entry: Date First Entered:03/08/2001 Date Updated:28/09/2013 Status: Completed

Port of Newcastle Heritage and Conservation Register

Item Name: Crane Base No.2
Location: Carrington [Newcastle City]
SHI Number 3930029

Image:



Caption: Crane Base No.2

Copyright: Suters Architects

Image by: Linda Smith

Image Date: 7/08/2001

Image Number: BW4:24

Image Path:

Image File: 3930029.jpg

Thumb Nail Path:

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.2**
Location: **Carrington [Newcastle City]**
SHI Number **3930029**

Image:



Caption: Crane Base No.2

Copyright: EJE Architecture

Image by: Shea Hedley

Image Date: 16/02/2007

Image Number:

Image Path:

Image File: 3930029b.jpg

Thumb Nail Path:

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.2**
Location: **Carrington [Newcastle City]**
SHI Number **3930029**

Image:



Caption: Crane Base No.2

Copyright: EJE Architecture

Image by: Shea Hedley

Image Date: 16/02/2007

Image Number:

Image Path:

Image File: 3930029c.jpg

Thumb Nail Path:

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.1**
 Location: **Carrington [Newcastle City]**
 SHI Number: **3930030**

Address: 140 Bourke Street Carrington 2294
 Suburb / Nearest Town: Lot 93 DP 1193181
 Local Govt Area: Newcastle
 State: NSW

DP&I Region: Hunter & Central Coast
 Historic Region: Lower Hunter
 Parish:
 County:

Other/Former Names:

Area/Group/Complex: Dyke Point Crane Bases

Group ID:

Aboriginal Area: Awabakal

Curtilage/Boundary:

Item Type: Built Group: Transport - Water

Category: Other - Transport - Water

Owner: Port of Newcastle Lessor Pty Limited

Admin Codes:

Code 2:

Code 3:

Current Use:

Former Uses: Crane base

Assessed Significance: Local

Endorsed Significance:

Statement of Significance: The crane base is historically significant as a remnant of the early steam cranes that were moved from Queen's Wharf to the Dyke in 1889.

Historical Notes or Provenance:

This base supported one of the three steam cranes which were removed from Queens Wharf and re-erected on The Dyke in 1889. This action followed a decision to centralise government coal loading activities at The Dyke, leaving the city wharves clear for general cargo. The three steam cranes, each of 15 tons capacity and an ability to reach beyond the front of the wharf for a distance of 14ft., were removed from The Dyke in 1908.

Themes:

National Theme

State Theme

Local Theme

3. Economy

Technology

coal loading

3. Economy

Transport

The shipping of coal and other goods

Designer:

Maker / Builder:

Year Started:

1889

Year Completed: 1889

Circa: No

Physical Description:

3/4 circular brick structure against seawall with concrete slab on top. Slab is pigmented, with decorative maritime motif in slight relief. A newer steel framed timber slatted seat and light pole and mounted on the slab. The sandstone-look concrete block retaining seawall begins immediately south of this crane base.

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.1**
Location: **Carrington [Newcastle City]**
SHI Number: **3930030**

Physical Condition: Appears good.

Modification Dates: Crane removed in 1908.

Recommended Management: Maintain as part of group. Repair brickwork as necessary with **lime mortar**.

Management: Follow State Agency Heritage Guide.

Further Comments:

Criterion (a) The crane base is a significant record as a remnant of the early steam cranes that were moved from Queen's Wharf to the Dyke in 1889.

Criterion (b)

Criterion (c)

Criterion (d)

Criterion (e)

Criterion (f)

Criterion (g) All though not intact the location and process by which coal was loaded can be demonstrated by this item.

Integrity / Intactness: Good

References:

Studies:	Author	Title	Number	Year
	Suters Architects	s170 Heritage & Conservation Register		2001

Parcels:

Latitude:

Location validity:

Map Name:

Longitude:

Spatial Accuracy:

Map Scale:

AMG Zone:

Easting:

Northing:

Listings: Name: *State Environmental Planning Policy (Three Ports) 2013* Title: Bullock Island Crane Bases Number: Date: 2011

Custom Field One:

Custom Field Two:

Custom Field Three:

Port of Newcastle Heritage and Conservation Register

Item Name: Crane Base No.1
Location: Carrington [Newcastle City]
SHI Number 3930030

Custom Field Four:

Custom Field Five:

Custom Field Six:

Data Entry: Date First Entered:03/08/2001 Date Updated:28/09/2013 Status: Completed

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.1**
Location: **Carrington [Newcastle City]**
SHI Number **3930030**

Image:



Caption: Crane Base No.1

Copyright: Suters Architects

Image by: Linda Smith

Image Date: 7/08/2001

Image Number: BW4:24a

Image Path:

Image File: 3930030.jpg

Thumb Nail Path:

Port of Newcastle Heritage and Conservation Register

Item Name: **Crane Base No.1**
Location: **Carrington [Newcastle City]**
SHI Number: **3930030**

Image:



Caption: Crane Base No.1

Copyright: EJE Architecture

Image by: Shea Hedley

Image Date: 16/02/2007

Image Number:

Image Path:

Image File: 3930030b.jpg

Thumb Nail Path: