

NEW FISH MARKETS CONSTRUCTION STAGING - MAIN WORKS

STAGE 0 - PRE-COMMENCEMENT WORKS

KEY ACTIVITIES:

- SILT CURTAIN ESTABLISHMENT
- SEDIMENT REDISTRIBUTION

Activity Description:

Silt Curtain Install

- Silt installed and closed prior to commencement of other works.

Sediment Redistribution

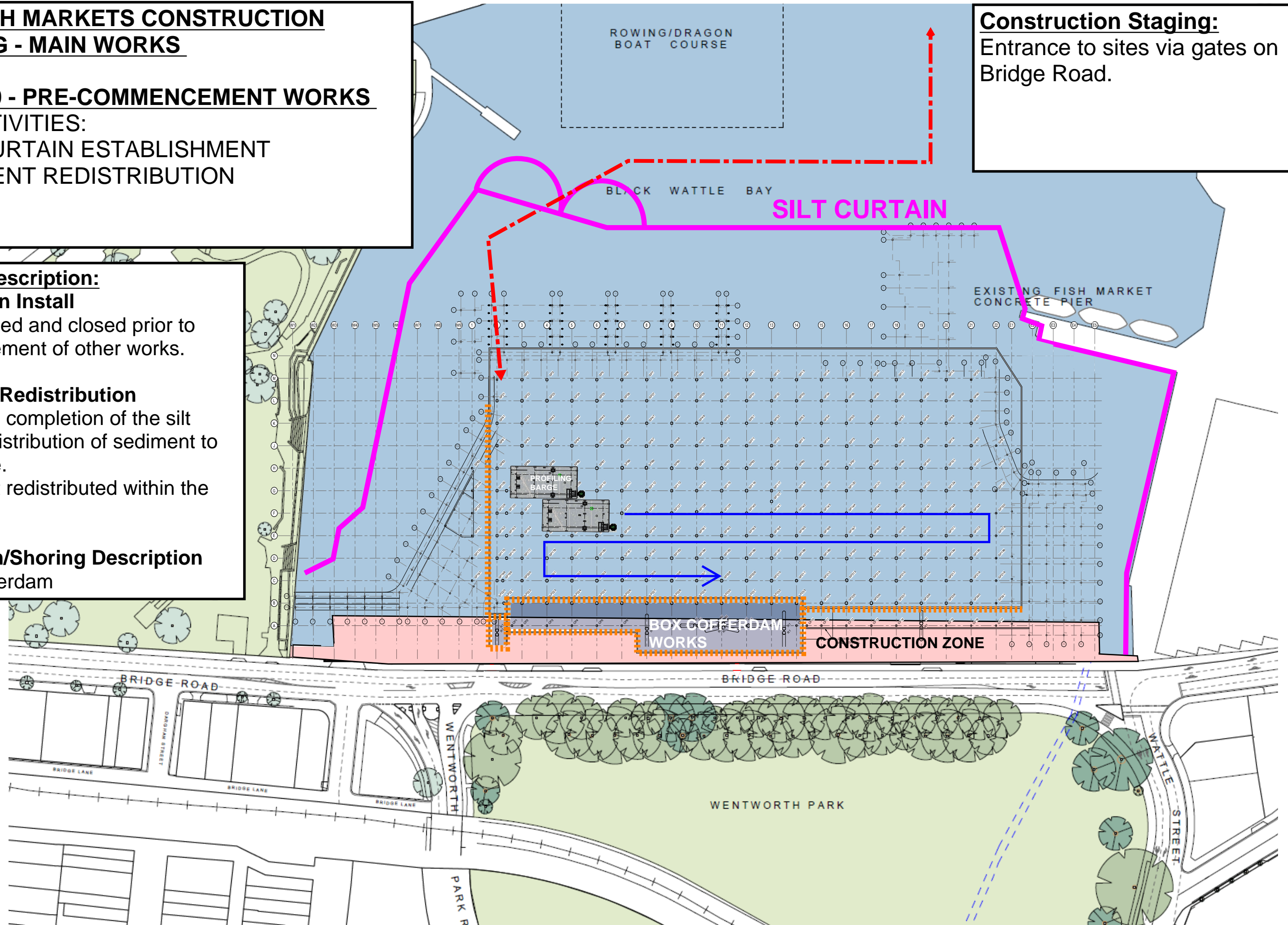
- Following completion of the silt curtain redistribution of sediment to commence.
- Sediment redistributed within the site.

Cofferdam/Shoring Description

- Start cofferdam

Construction Staging:

Entrance to sites via gates on Bridge Road.



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STAGE 1 - MARINE WORKS

KEY ACTIVITIES:

- COFFERDAM/SHORING INSTALL
- BOX COFFERDAM WORKS
- MARINE AND LAND BASED PILING
- SITE ESTABLISHMENT

Activity Description:

Marine Piling Description

- Install of Steel Hollow Section piles into Class III rock. Including some promenade piles not impacted by cofferdam.
- Piles
- Promenade Piles

Cofferdam/Shoring Description

- Single skin steel pile cofferdam wall made up sheet piles.
- Southern Shoring wall to be completed landbased and waterside on other elevations.

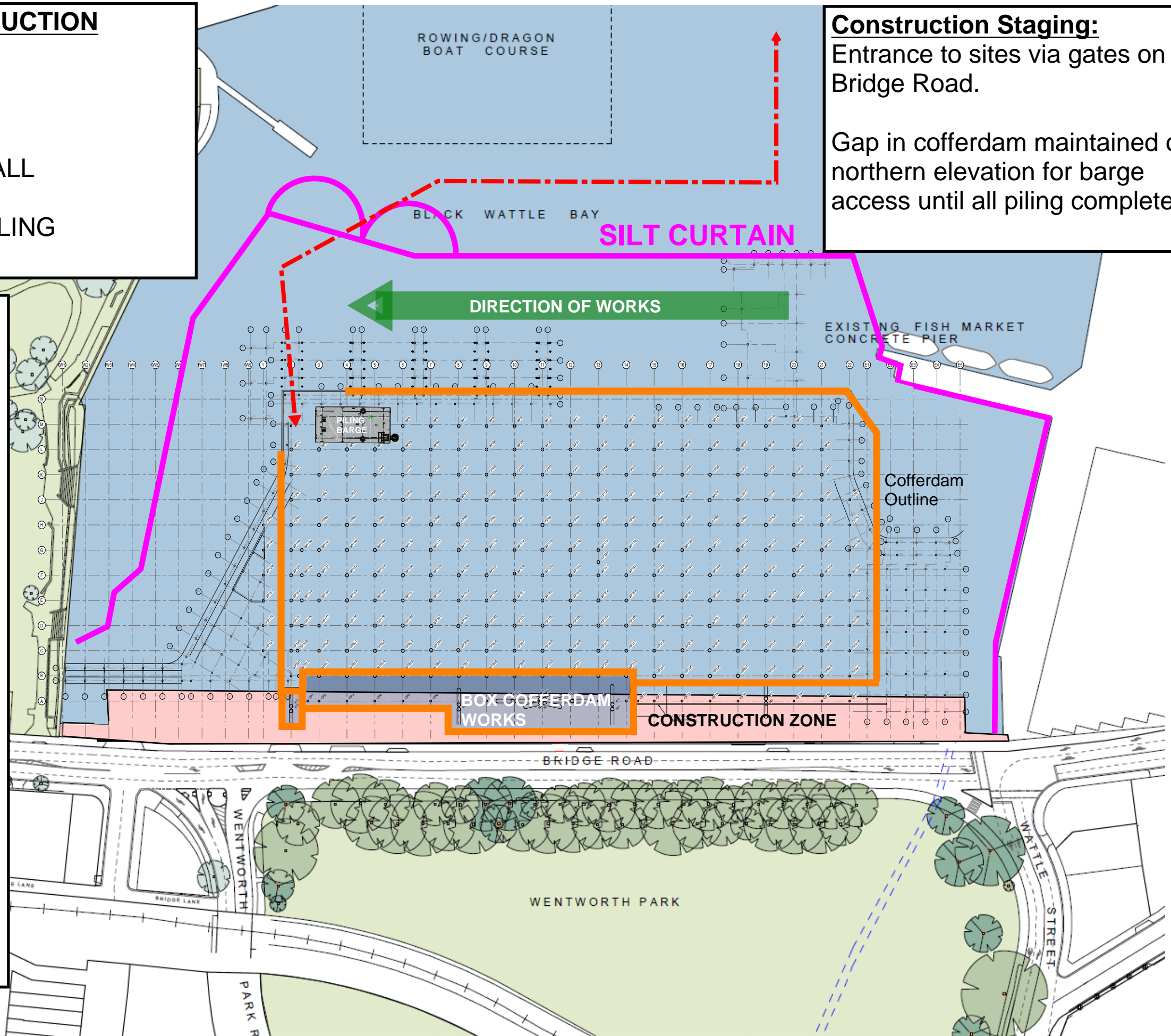
Box Cofferdam Description

- Southern box cofferdam to be completed with steel pile cofferdam walls.
- Install of anchors to box cofferdam southern sheets
- Commence prep works for piling platform and landbased piles.

Construction Staging:

Entrance to sites via gates on Bridge Road.

Gap in cofferdam maintained on northern elevation for barge access until all piling complete.



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STAGE 2 - DEWATERING, LANDBASED PILES

KEY ACTIVITIES:

- DEWATERING OF COFFERDAMS
- COMPLETION OF LANDBASED PILES
- PROMENADE SLABS
- CRANE ERECTION

Activity Description:

Cofferdam Dewatering

- Dewater approx 2m of water to expose top of piles using submersible pumps.
- Trim piles installed to allow install of pile caps.

Landbased Piling:

Commence install of land based piles. Raker piles and Plumb Piles

Promenade Slabs:

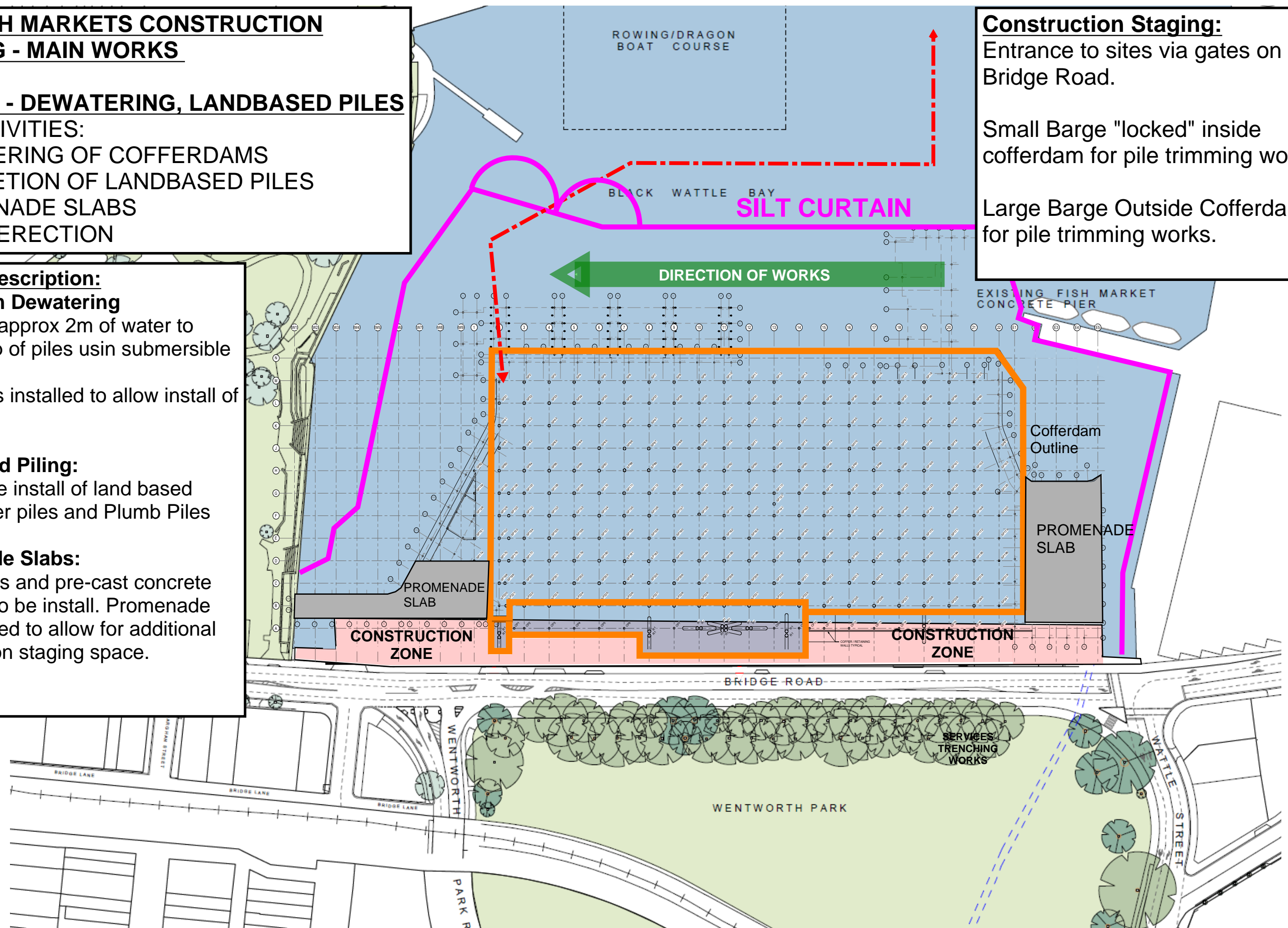
Headstocks and pre-cast concrete elements to be install. Promenade slabs poured to allow for additional construction staging space.

Construction Staging:

Entrance to sites via gates on Bridge Road.

Small Barge "locked" inside cofferdam for pile trimming works.

Large Barge Outside Cofferdam for pile trimming works.



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STAGE 3 - SUBSTRUCTURE RL -0.3

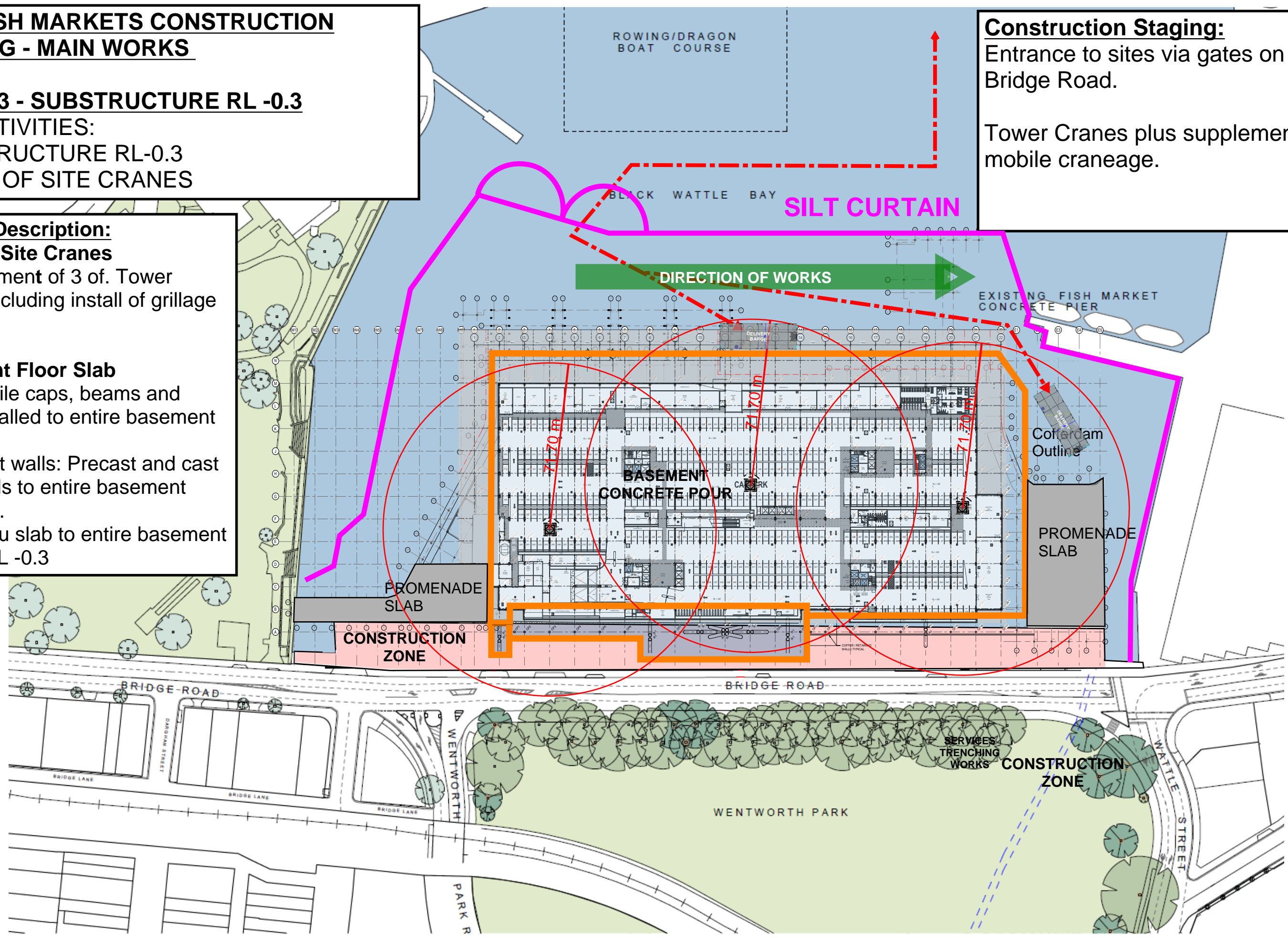
- KEY ACTIVITIES:
- SUBSTRUCTURE RL-0.3
 - SETUP OF SITE CRANES

Activity Description:
Setup of Site Cranes
Establishment of 3 of. Tower Cranes including install of grillage to piles.

Basement Floor Slab
Precast pile caps, beams and slabs installed to entire basement area.
Basement walls: Precast and cast insitu walls to entire basement perimeter.
Cast Insitu slab to entire basement area to RL -0.3

Construction Staging:
Entrance to sites via gates on Bridge Road.

Tower Cranes plus supplementary mobile craneage.



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STAGE 4 - GROUND FLOOR SLAB RL 3.1
KEY ACTIVITIES:
-GROUND FLOOR

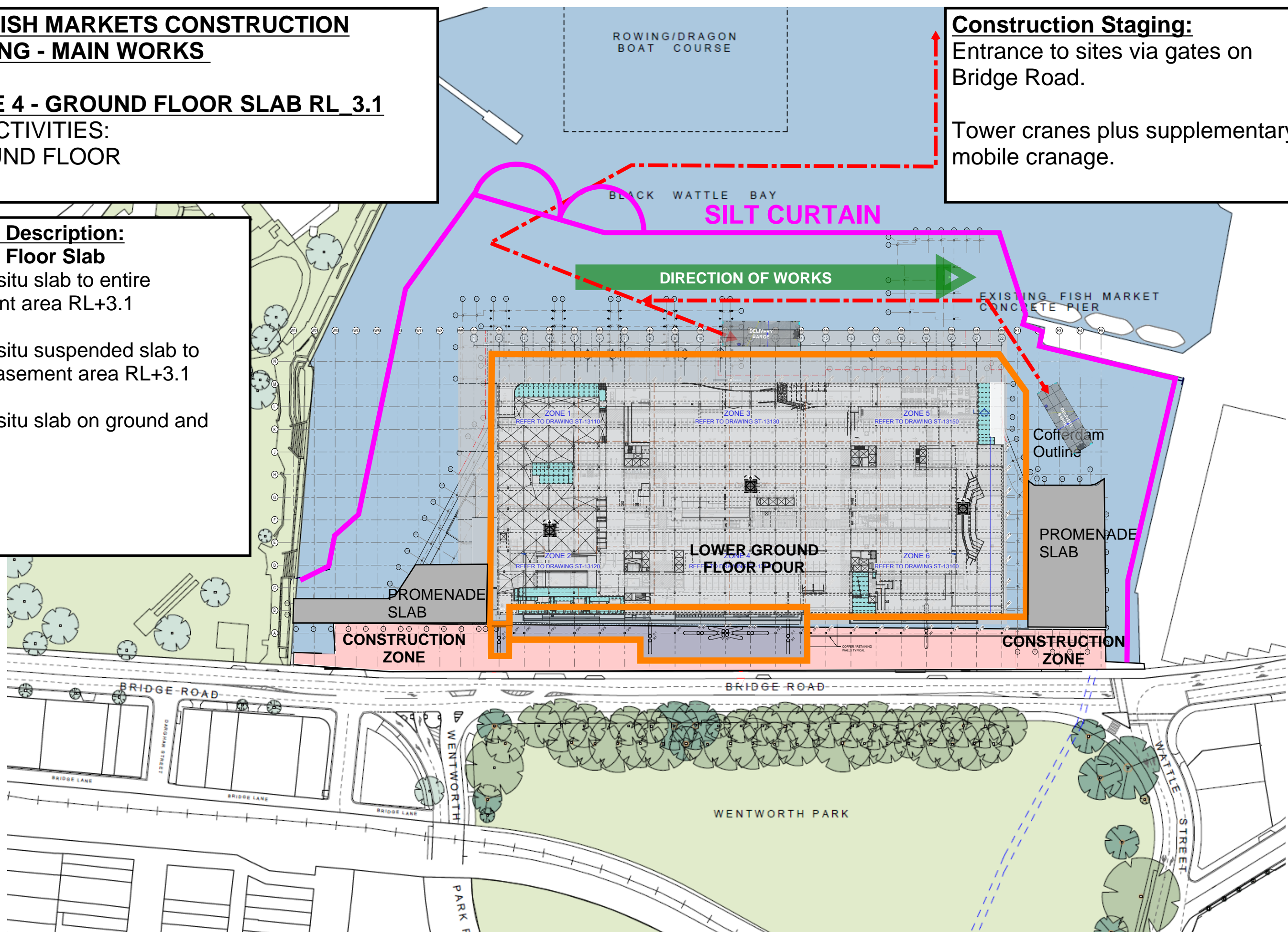
Construction Staging:
Entrance to sites via gates on Bridge Road.

Tower cranes plus supplementary mobile crange.

Activity Description:
Ground Floor Slab
Cast in-situ slab to entire basement area RL+3.1

Cast in-situ suspended slab to entire basement area RL+3.1

Cast in-situ slab on ground and piles.



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STAGE 5 - SUPERSTRUCTURE

KEY ACTIVITIES:

- UPPER GROUND FLOOR (LEVEL 1) Slab RL +9.6
- MEZZANINE (LEVEL 2) Slab RL +15.1
- BRIDGE ROAD UPGRADE EASTBOUND

Activity Description:

Upper Ground Floor Slab

Cast insitu suspended slab at RL+9.6

Mezzanine Slab

Cast insitu suspended slab at RL+15.1

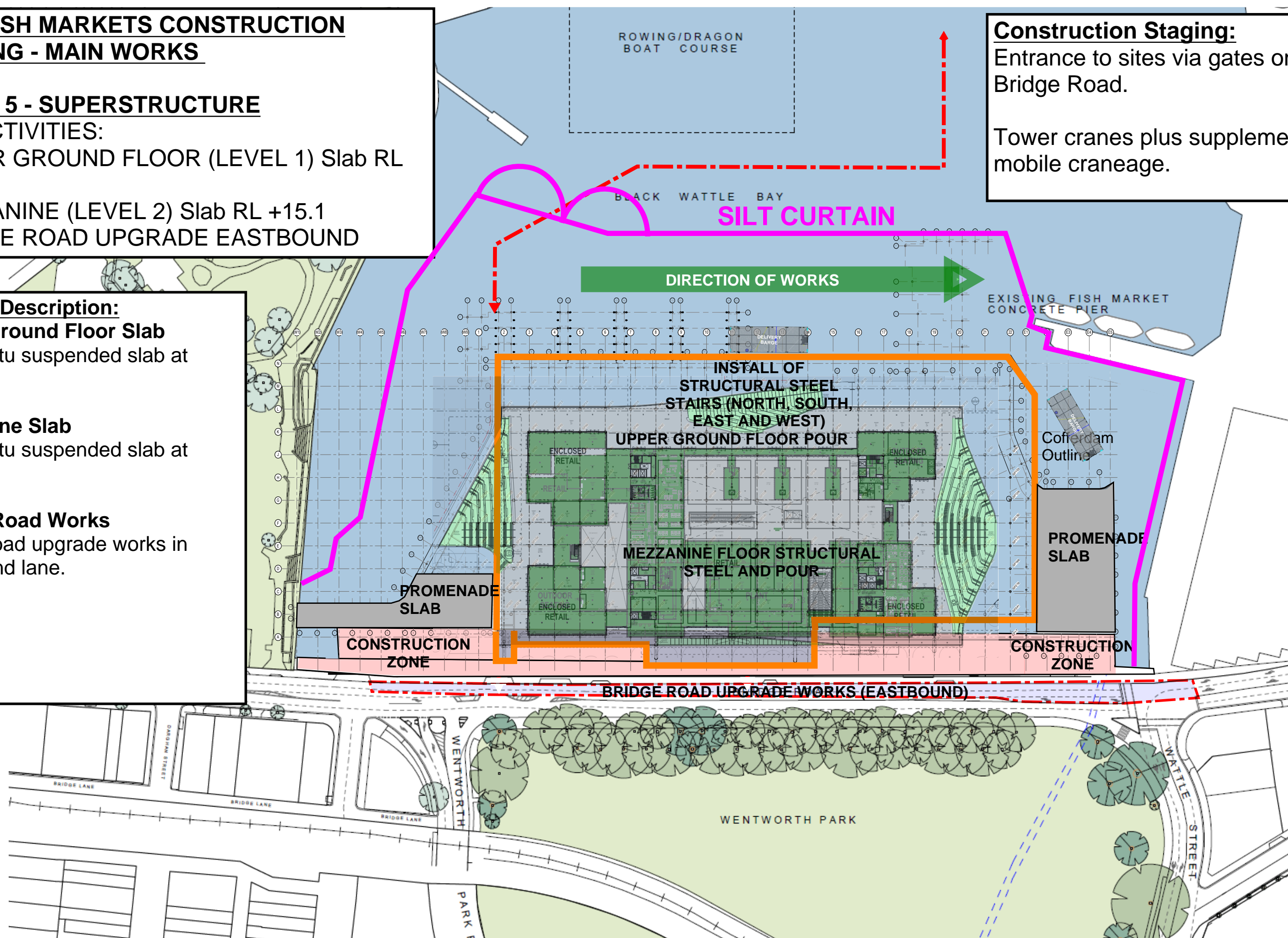
Bridge Road Works

Bridge road upgrade works in eastbound lane.

Construction Staging:

Entrance to sites via gates on Bridge Road.

Tower cranes plus supplementary mobile craneage.



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STAGE 6 - SUPERSTRUCTURE ROOF & COFFERDAM REMOVAL

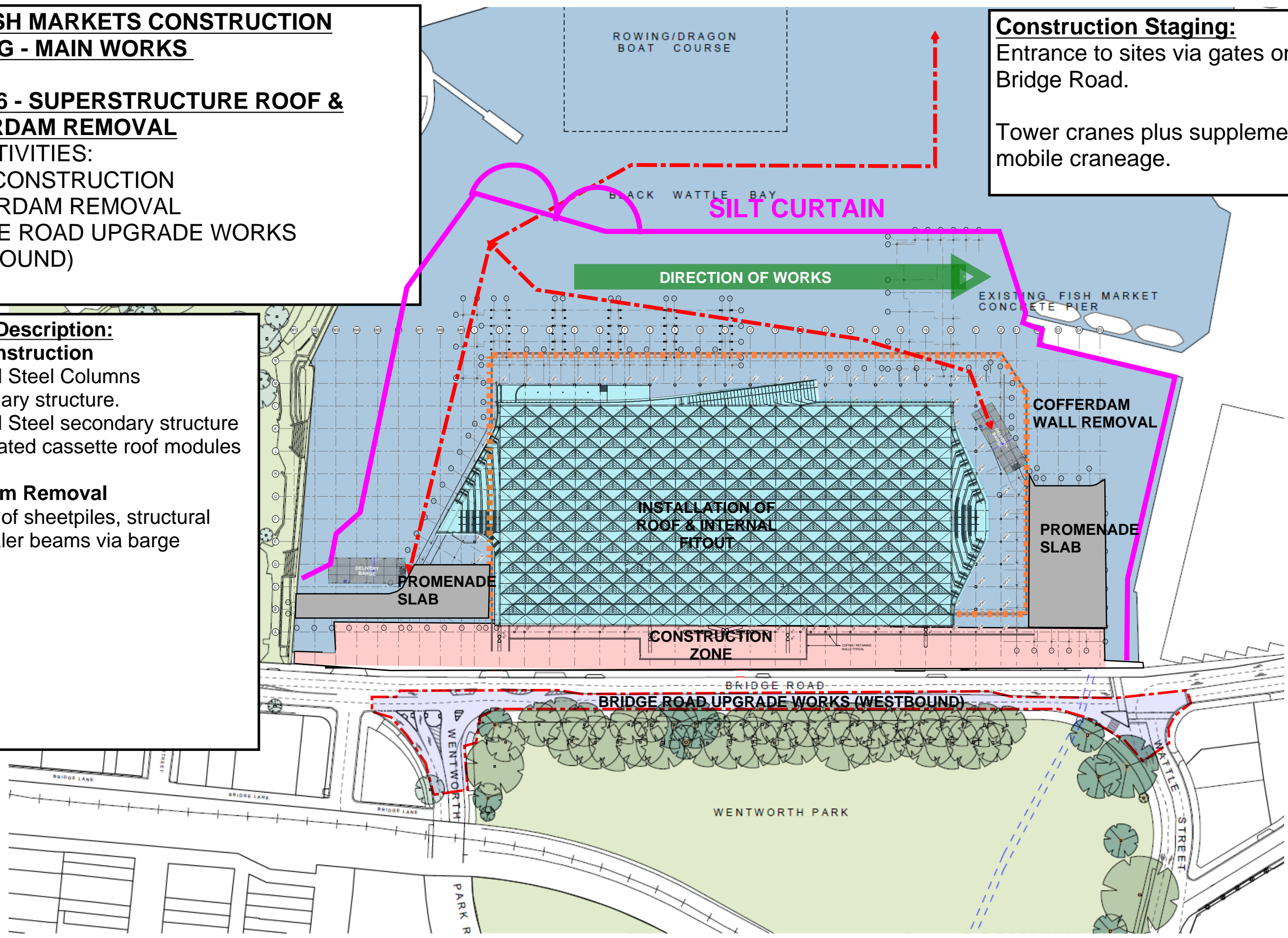
- KEY ACTIVITIES:
- ROOF CONSTRUCTION
 - COFFERDAM REMOVAL
 - BRIDGE ROAD UPGRADE WORKS (WESTBOUND)

Activity Description:
Roof Construction
Structural Steel Columns
CLT Primary structure.
Structural Steel secondary structure
Prefabricated cassette roof modules

Cofferdam Removal
Removal of sheetpiles, structural steel whaler beams via barge

Construction Staging:
Entrance to sites via gates on Bridge Road.

Tower cranes plus supplementary mobile craneage.



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STAGE 7 - COFFERDAM REMOVAL,
PROMENADE MARINE PILING AND
INTERNAL BUILDING WORKS

- KEY ACTIVITIES:
- COFFERDAM REMOVAL
 - PROMENADE WORKS
 - INTERNAL BUILDING WORKS
 - ONGOING BRIDGE ROAD UPGRADE (WESTBOUND)

Construction Staging:

Entrance to sites via gates on Bridge Road.

Tower cranes plus supplementary mobile craneage.

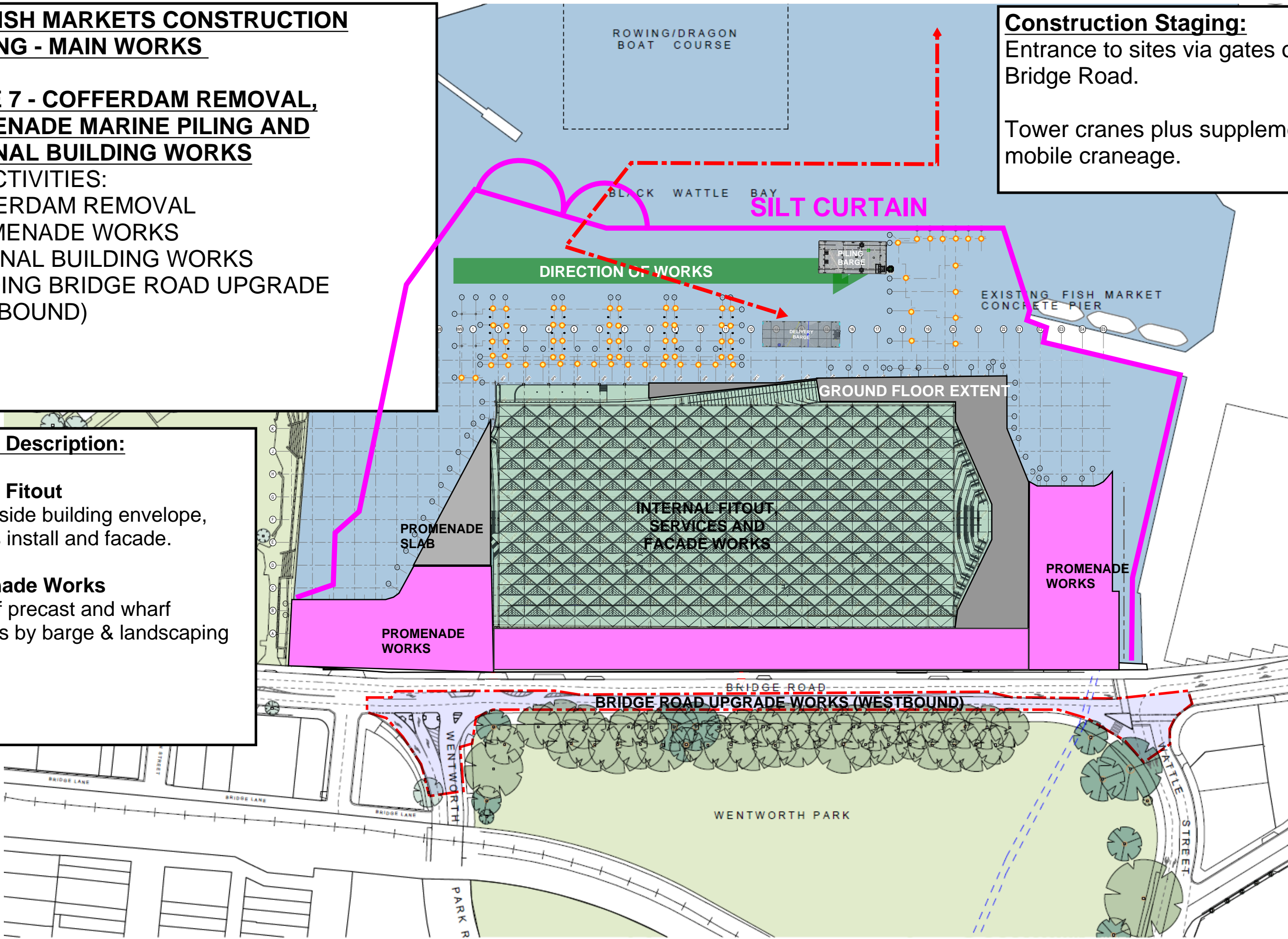
Activity Description:

Internal Fitout

Fitout inside building envelope, services install and facade.

Promenade Works

Install of precast and wharf elements by barge & landscaping works



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STAGE 8 -PROMENADE AND WHARF
CONSTRUCTION AND INTERNAL BUILDING
WORKS

KEY ACTIVITIES:

- ONGOING INTERNAL FITOUT
- WHARF CONSTRUCTION
- EXTERNAL WORKS
- BRIDGE ROAD FINALISATION

Activity Description:

Wharf Completion

Installation of precast promenade and wharf elements by barge

Internal Works

Fitout, Services, Facade

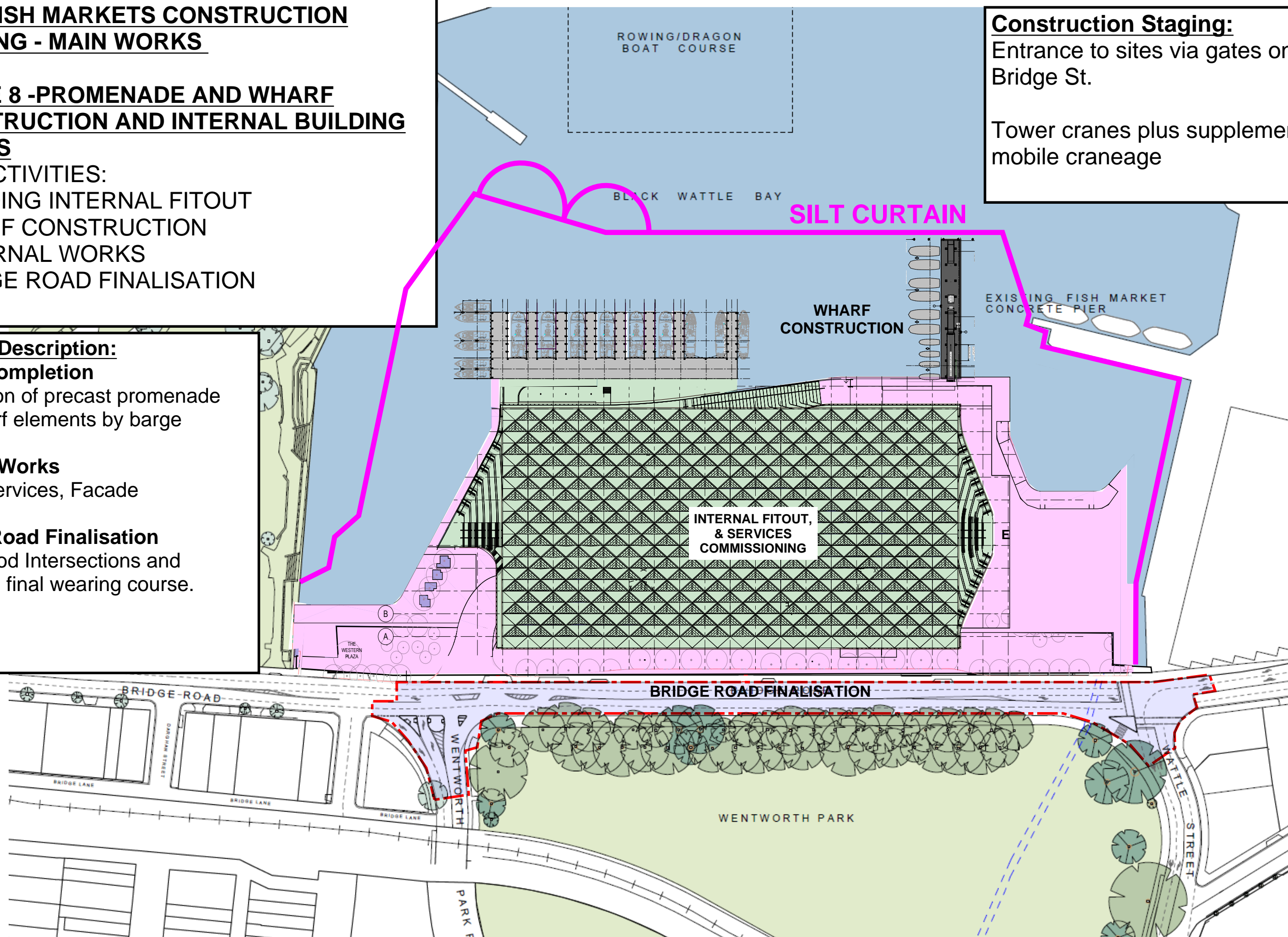
Bridge Road Finalisation

Make good Intersections and complete final wearing course.

Construction Staging:

Entrance to sites via gates on Bridge St.

Tower cranes plus supplementary mobile craneage



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STAGE 9 - NEW FISH MARKET PRACTICAL **COMPLETION, WHARF WORKS and** **PROMENADE COMPLETION**

KEY ACTIVITIES:

- COMPLETION OF WHARVES
- TESTING COMMISSIONING AND OPENING OF NEW FISH MARKET

Activity Description:

Wharf Completion

Completion of new fish market public wharf for use.

Fish Market Practical Completion

User testing and training in the space. Opening of Fish market for operation.

Construction Staging:

Entrance to sites via former fish markets.

