Temporary acoustic shed complete

Construction of the temporary acoustic shed over the retrieval site at Blues Point is now complete. At its highest point, the shed is 21 metres tall, the structure is 29 metres long and 25 metres wide.

Inside, a large gantry crane has been installed, which is used to lift excavated material from the shaft to the surface. The gantry crane will also be used to retrieve the tunnel boring machines (TBMs) that will build twin tunnels from Chatswood, and the specialised TBM Kathleen that will excavate the tunnels under Sydney Harbour from Barangaroo. The shed is designed to minimise noise and reduce dust impacts during excavation of the shaft.

Excavation of the retrieval shaft has now started inside the acoustic shed. The shaft will be about 30 metres deep, reaching down to the level where the new metro tunnels will be built. Clean excavated material is lifted to the surface and loaded onto barges, which then travel to Clyde via the Parramatta River.

TBM Kathleen is due to arrive at Blues Point later in the year, after making her historic journey from Barangaroo, deep under Sydney Harbour.

Sydney Metro is Australia’s biggest public transport project. It will transform Sydney, delivering more trains and faster services for customers across the network. The Sydney Metro Northwest opened in May 2019.

Sydney Metro City & Southwest extends the new metro network from the end of Sydney Metro Northwest at Chatswood, under Sydney Harbour, through the CBD, and south west to Bankstown.

John Holland CPB Ghella (JHCPBG) has been contracted by Transport for NSW (TfNSW) to complete the major tunnel and station excavation works. JHCPBG will design and construct the twin 15.5 kilometre rail tunnels.

Three-month look ahead

<table>
<thead>
<tr>
<th>Activity (subject to change)</th>
<th>July</th>
<th>August</th>
<th>September</th>
</tr>
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<tbody>
<tr>
<td>Excavating, concreting and ground support work for retrieval shaft</td>
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<tr>
<td>Operating barges as required 24/7</td>
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<tr>
<td>Retrieval of TBM Kathleen 24/7</td>
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Barging has begun from the Blues Point retrieval site to Clyde

TBM Kathleen assembly at Barangaroo

The under harbour TBM, Kathleen is currently being assembled at the Barangaroo Station site. Kathleen is expected to start tunnelling in early July 2019 and arrive at Blues Point in late August 2019.

When she arrives at Blues Point, after completing the first tunnel under Sydney Harbour, the front components of the TBM known as the cutter head and mixed shield will be retrieved from the shaft, loaded onto barges and sent back to Barangaroo. The supporting components will be pulled back through the tunnel to Barangaroo, where Kathleen will be reassembled and launched towards Blues Point again to complete the second tunnel.

Blues Point special guest

Workers at the Sydney Metro Blues Point site were treated to a visit by a special guest this month. A curious seal swam to shore to take a closer look at the barging facility and it was definitely the highlight of the day for the team working on site.

Barging at Blues Point

Barges have recently started operating from the temporary jetty at the Blues Point retrieval site. Barges are being used to carry clean excavated material from the shaft to a facility at Clyde, where it is unloaded into trucks and reused on other approved construction projects across Sydney and NSW.

The barges will also be used to transport the TBM components later in the year.

There will be one to two barge movements each week during excavation of the shaft and daily movements during retrieval of TBMs. Barging has been approved to occur 24/7 to align with tidal changes in the harbour and Parramatta River.

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to follow the progress of the TBMs
Sydney Metro City & Southwest
PO Box K659, Haymarket NSW 1240

If you need an interpreter, call TIS National on 131 450 and ask them to call 1800 171 386