



## MEETING MINUTES

<b>Subject:</b>	Greenwich Pumping Station and Deptford Church Street Community Liaison Working Group
<b>Date and time:</b>	Thursday 12 September 2019, 7pm-9pm
<b>Location:</b>	Creekside Discovery Centre, 14 Creekside, London, SE8 4SA
<b>Minute taker:</b>	John Mealey, external minute taker - Springboard Marketing
<b>Chair:</b>	Councillor Mehboob Khan, Royal Borough of Greenwich

Item	Topic
1	Welcome, introductions and apologies
2	Review actions of last meeting
3	Project update
4	Vehicle Holding Area update
5	Feedback from community representatives
6	Any other business and agree next meeting date

### Chair:

- Councillor Mehboob Khan (Cllr MK), Royal Borough of Greenwich

### Project staff:

- Anil Dhillon (AD) - Project Manager Deptford Church Street, Tideway
- Darren Kehoe (DK) - Project Manager Greenwich Pumping Station, Tideway
- Adam Flory (AF) - Site Agent Greenwich Pumping Station, CVB
- Sophie Hart (SH) - Environmental Adviser, CVB
- George Vernon-Hunt (GV-H) - Environmental Advisor, CVB
- Ola Faleti (OF) - Traffic & Logistics Asst. Manager
- Martin Griffiths (MG) - Senior Community Relations Manager, CVB
- John Mealey (JM) - external minute taker - Springboard Marketing

### Residents / Organisations:

Eight other attendees including residents and representatives from Royal Borough of Greenwich, CET, Creekside Discovery Centre, Bellville House and Ashburnham Triangle Association.

### Apologies:

Three apologies were received.

	Item	Action
1.0	<b>Welcome, introductions and apologies</b>	
1.1	Welcome from Councillor Mehboob Khan (Cllr MK) and introductions from all attendees.	

1.2	As part of the introductions, a resident explained she represents Bellville House. The resident said she held a very productive meeting with Tideway yesterday to get a full briefing of the project and to set-up regular meetings, as residents are concerned.	
<b>2.0</b>	<b>Review actions of last meeting</b>	
2.1	Action 1 - Closed - presentation was issued with the minutes.	
2.2	Action 2 - Closed - to be covered in tonight's presentation.	
2.3	Cllr MK asked if there were any matters arising from the previous minutes. No issues raised.	
<b>3.0</b>	<b>Project update</b>	
3.1	<b>Deptford Church Street - presentation by Sophie Hart (SH)</b>	
3.2	Presentation to be issued with the minutes. <b>Action: 1.</b> <ul style="list-style-type: none"> <li>• Excavation of the shaft was completed in June</li> <li>• The shaft is 50 metres deep</li> <li>• Repair works on one section of the shaft wall panels have also been completed, which replaced poor quality areas of concrete</li> <li>• The shaft base slab concrete pour is taking place today (12/09/2019) and once complete, the base slab will be a reinforced concrete structure, three metres thick.</li> <li>• The walls and roof beams of the Combined Sewer Overflow (CSO) chamber are now complete</li> <li>• Excavation of the CSO chamber also started today</li> <li>• Work on site is consented until 22.00, however, the team tries to finish by 20.00</li> <li>• As requested at the last CLWG, architectural visualisations of the site once the project is finished were displayed on screen (subject to change)</li> </ul>	<b>JM</b>
3.3	SH provided a Deptford programme look ahead: <ul style="list-style-type: none"> <li>• The shaft base slab pour will be completed today, then work on the shaft portals will begin</li> <li>• Excavation of the CSO chamber will finish in late October</li> <li>• Construction of the CSO base slab will take place until December</li> <li>• Secondary lining of the CSO chamber is to commence in December</li> </ul>	
3.4	SH provided a portals construction update: <ul style="list-style-type: none"> <li>• The shaft portals will be the openings at the bottom of the shaft walls, which the Tunnel Boring Machine (TBM) will pass through</li> <li>• Initially, steel reinforced cages and formwork will be installed at the bottom of the shaft to build the portals, before being concreted. The portals will be concreted on three stages, with work potentially taking place until 22.00</li> <li>• The shaft portal construction will take place for the remainder of 2019</li> <li>• Cllr MK asked whether the portals will be connected to the Greenwich site. SH confirmed yes as the TBM will drive from Greenwich to Deptford and then drive towards Earl Pumping Station, before connecting with the main tunnel at Chambers Wharf.</li> </ul>	

3.5	<p>SH provided a noise and air quality update:</p> <ul style="list-style-type: none"> <li>• There were no noise exceedances at Deptford between April-August</li> <li>• There were no air quality exceedances since the last CLWG</li> <li>• The team also investigates London Air Quality Network (LAQN) results, as well as the diffusion tubes which monitor nitrous oxide</li> <li>• Between 01/04/2019 - 31/07/2019, the diffusion tube results were below the UK long-term Air Quality annual average</li> <li>• The LAQN website is <a href="http://www.londonair.org.uk">www.londonair.org.uk</a>, where you can zoom in on any area and it will tell you what the air quality readings are on any particular day</li> </ul>	
3.6	<p><b>Greenwich Pumping Station - presentation by Adam Flory (AF)</b></p> <ul style="list-style-type: none"> <li>• Excavation of the shaft is now at full depth and the base slab is currently being built</li> <li>• In regard to the base slab, the team is one week behind Deptford and once complete, it will be three metres deep and 18.5 metres in diameter</li> <li>• Work on the shaft will continue to take place inside the acoustic enclosure 24-hours a day, Monday to Friday</li> <li>• The acoustic enclosure doors will be closed from 18.00 and occasionally opened at 22.00 for plant</li> <li>• The shaft base slab is a reinforced concrete structure at the bottom of the shaft and the slab pour will be one continuous activity. Installing the reinforcement and shuttering will continue 24/5 inside the acoustic enclosure</li> <li>• Concrete for the base slab must be poured in one continuous operation to ensure a consistent quality, in order to keep out groundwater</li> <li>• The shaft base slab pour is planned for late September. Deliveries of concrete are anticipated until 22.00</li> <li>• At Phoenix Wharf, the slurry treatment plant will be installed until late December</li> <li>• The slurry treatment plant will be a water and soil treatment system formed of various buildings and tanks for treating the excavated material that is collected during tunnelling</li> <li>• Once construction of the shaft is completed, tunnelling will commence at Greenwich. The TBM is called Annie and has been delivered to Victoria Deep compound. Annie was delivered in segments by barge, before being rebuilt</li> <li>• The TBM will be delivered in December from Victoria Deep to Greenwich by road. Delivery will take place overnight with a police escort, when the roads are at their quietest. Tideway will work in conjunction with the police and Transport for London (TfL)</li> <li>• Delivery of the TBM is a very specific operation. The delivery vehicle will be 6.7 metres in width (including the TBM) and the team will remove lampposts, traffic lights etc on route, which will then be re-erected once the vehicle has passed</li> <li>• Once delivered, the TBM will be unloaded inside the acoustic enclosure, before being lowered into the shaft. All unloading and lowering will take place inside the acoustic shed</li> <li>• A resident asked whether delivery of the TBM coincides with the two nights of work planned in December. AF said no, they are two different activities</li> <li>• A resident said delivery of the TBM will be a momentous occasion and asked whether it will be filmed. AF said yes</li> <li>• A resident asked whether the TBM will go directly underneath the Creekside Discovery Centre. SH explained that the venue is on the tunnel route but not directly underneath the building</li> </ul>	

<p>3.7</p> <p>3.8</p> <p>3.9</p> <p>3.10</p>	<ul style="list-style-type: none"> <li>• The delivery route has been agreed with TfL and LB of Greenwich. Information will be provided to the community beforehand</li> <li>• The tunnel adit will be the first 25 metres of the tunnel and where the TBM is launched from. It will be constructed with gradual excavation, whilst lining the adit with sprayed concrete</li> </ul> <p>AF provided a dredging update:</p> <ul style="list-style-type: none"> <li>• In January, the team will begin dredging part of Deptford Creek. This will involve excavating and removing sediment for 12 weeks. Tideway has made a commitment to remove as much spoil by barge as possible, so dredging must take place to enable this</li> <li>• Dredging will take place during extended hours, as it is affected by the tide</li> <li>• Each 500-tonne barge will remove the need for 32 lorry movements to and from site</li> <li>• Dredging will take place on one side of the creek. The Phoenix Wharf side will be two metres into the ground. Past the site, the river becomes very shallow (approximately half a metre)</li> <li>• As a worst-case scenario, dredging will take up to 12 weeks to complete but the team is hoping it will only take eight weeks</li> <li>• Tideway is not consented by the Port of London Authority (PLA) to dredge during fishing season</li> <li>• During dredging, some of the rock will remain for protection</li> <li>• All material removed during dredging will be taken away by barge</li> <li>• One of the areas being dredged is where the campshed will be installed</li> <li>• Cllr MK said there are concerns about the strength of the river wall towards the cement factory and asked whether this has been considered. AF said a consultant has assessed the structure of the river wall, where dredging will take place. In one particular location, additional rip wrap has been installed to prevent any scouring. The Environment Agency is also involved and will have to agree to the plans, along with the Port of London Authority (PLA) and The Marine Maritime Organisation (MMO)</li> </ul> <p>Cllr MK requested something in writing from Tideway to confirm the dredging plans and the assessments carried out beforehand. <b>Action: 2</b></p> <p>AF provided a Greenwich programme look ahead:</p> <ul style="list-style-type: none"> <li>• The shaft base slab will be completed in September</li> <li>• Construction of the tunnel adit will follow, until November</li> <li>• Tunnel set-up to take place between November-December</li> <li>• Annie (TBM) will be rebuilt over the coming months until December, before being lowered into the ground</li> <li>• Annie will be set-up in the shaft between December and January</li> </ul> <p>George Vernon-Hunt (GV-H) provided a noise and air quality update:</p> <ul style="list-style-type: none"> <li>• There were no noise exceedances at Greenwich relating to Tideway works since the last CLWG on 7 May</li> <li>• Previously, there have been three permanent noise monitors on site working 24/7. However, noise monitor two (NM2) has been removed, as it was right next to the Norman House construction works</li> <li>• A resident asked whether NM2 will be replaced. SH said a new receptor has not been installed since NM2 was removed, (noise monitors are reviewed periodically)</li> </ul>	<p>Tideway</p>
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<p>3.11</p> <p>3.12</p>	<ul style="list-style-type: none"> <li>• A resident asked whether NM2 could be installed on the corner of Bellville House, as residents have commented about the noise. GV-H said this was a valid suggestion, however, based on calculations, the team takes the closest point of the receptor and on Bellville House, there is already a noise monitor on a fourth-floor balcony</li> <li>• A resident asked whether independent noise monitoring takes place. GV-H said it does and explained monitoring is carried out by a sub-contractor (SixtSense) who works to British standards and is independently verified by the Institute of Acoustics</li> <li>• All noise monitoring results are submitted to the council, who then question Tideway on the findings</li> <li>• A resident asked what will happen when construction commences at Norman House. SH explained Tideway works will be coming to an end at that point. However, if Norman House is seen as a receptor, Tideway will have to review the situation</li> <li>• Cllr MK asked whether there is a 1b receptor, as there is a 1a. GV-H answered no and explained the monitor has been relocated so is now called 1a</li> <li>• Cllr MK asked for confirmation that Bellville House cannot have another receptor because it is where most noise is and it already has a monitor. GV-H confirmed this was correct</li> <li>• SH said ambient noise in areas can affect noise monitors and different buildings can hear noise differently as well</li> <li>• Cllr MK requested an action for Tideway to check whether there are any conditions in place with Greenwich Planning regarding Norman House noise or air quality levels. <b>Action: 3</b></li> <li>• Cllr MK asked whether there have been any noise breaches during the demolition of Norman House. GV-H said no and explained the team receives alerts when noise levels spike. The alert level is set well below the noise limit, to ensure there are no exceedances</li> <li>• There were no air quality exceedances since the last CLWG</li> <li>• There was one LAQN alert, however, it was not related to Tideway</li> <li>• Since work began, a resident said Bellville House residents are experiencing vibrations throughout the building. This has resulted in glass balconies shattering or smashing onto the pavement. Resident said Bellville House is collecting data and will discuss offline, but wanted to share her concern</li> <li>• GV-H said Tideway can monitor vibrations but it is a different technique to noise monitoring, so is not 24/7. GV-H recommended residents contact the Tideway Helpdesk to arrange a survey</li> <li>• SA asked the resident to keep a daily record of the vibrations experienced. The team can then investigate the work carried out during the specific times</li> </ul> <p>Martin Griffiths (MG) provided a legacy / community update:</p> <ul style="list-style-type: none"> <li>• In July, Tideway CVB attended Pride</li> <li>• In recent weeks, three new digital engineering apprentices joined the team. Tideway invests a lot of time into STEM, as it wants to encourage people to have a career in construction and engineering</li> <li>• A new 12-week 'Breaking Barriers' programme has started, which includes monitoring sessions and soft skills development, as well as rowing</li> <li>• The third course for the 999 Club was also run this summer. The 999 Club is a small charity in Deptford which provides advice and support for homeless people in South London</li> <li>• There have been two foreshore clean-ups this summer. The first was collecting data in North Greenwich and the second was digging out plastic from the foreshore on the Isle of Dogs</li> </ul>	<p>Tideway</p>
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	<ul style="list-style-type: none"> <li>• There have also been a couple of high profile site visits in recent weeks. Vicky Foxcroft MP for Lewisham visited Deptford Church Street, while Councillor Danny Thorpe (Leader of LB of Greenwich) visited the Greenwich Pumping Station site</li> <li>• A good news story was a swan recently spotted near Tideway's site gates after being harassed by foxes. The site team escorted the swan into a protection hut for the night before returning it safely into Deptford Creek</li> <li>• On 29 September, Shadwell River Festival will take place at Shadwell Basin (10.00-16.00) which is part of Regatta London. This is an opportunity for residents and the community to try a range of taster sports on the river</li> <li>• A resident asked whether there was an update on the Creekside Path. MG said no</li> <li>• A resident asked whether Greenwich Pumping Station will be opened to the public for Open House. MG said he is aware Tideway is working with Thames Water regarding an Open House visit. However, Tideway has spoken about opening one of the five East sites and it was agreed to open a site to staff and families first. If all goes well then the site can be opened to the public. The first site scheduled to open to staff is Chambers Wharf in January 2020</li> </ul>	
<p><b>4.0</b></p>	<p><b>Vehicle Holding Area update - presentation by AF</b></p> <ul style="list-style-type: none"> <li>• The current consented plan is for both lanes of Norman Road to be closed between Greenwich High Road and Tideway's Greenwich Pumping Station site 24/7, for approximately 18 months</li> <li>• Closure will be on the north and southbound lanes between Greenwich High Road and north of Lovibond Lane (access will remain available from Creek Road)</li> <li>• During working hours, vehicles exiting Bellville House will be escorted by Tideway traffic marshals (heading north towards Creek Road)</li> <li>• This is to support works at both the Tideway and Norman House development sites</li> <li>• It is necessary to close both lanes on Norman Road as Tideway and the Norman House development both require access to its sites to ensure deliveries can be made</li> <li>• As part of the Development Consent Order (DCO), vehicles must leave southbound on Norman Road. Traffic marshals will monitor this</li> <li>• Another key change is Lovibond Lane will be used for two-way traffic, allowing vehicles to enter and leave using Waller Way (via Greenwich High Road)</li> <li>• Tideway has consulted with local businesses and the Bellville House concierge regarding large deliveries and refuse collections and traffic marshals will ensure these movements can still be facilitated</li> <li>• Traffic marshals will be in place at both areas of the closure and will display Stop/Go signage for lorry movements</li> <li>• Pedestrians and cyclists will not be affected. Cyclists will be diverted through Lovibond Lane</li> <li>• The vehicle holding area will be operational from Monday 23 September</li> <li>• As part of the Norman House demolition, a resident said some vehicles are parking on the fire access route from Norman House. AF stressed he cannot speak on behalf of the Norman House development but once the vehicle holding area is operational, it should be used by both developments as it is a designated area</li> <li>• A resident asked whether the vehicle holding area will be operational just for the base slab concrete pour. AF said no and explained it will be in place for the duration of tunnelling, which also coincides with the Norman House construction works. After tunnelling, one lane on Norman Road will reopen.</li> </ul>	



	<p>A resident said the road closure signage stated both lanes would be closed for the full 18 months but said AF's comments contradicted this. AF said if the Norman House construction is completed in less than 18 months, one lane will reopen</p> <ul style="list-style-type: none"> <li>• Cllr MK said as part of the planning condition, the expanded vehicle holding area is permitted during the Norman House construction works. Once Norman House reaches a state of completion and lorry movements are no longer needed, the state of the vehicle holding area can be considered and one lane reopened</li> <li>• A resident explained that Bellville House residents are concerned about lorries blocking their cars when they are trying to enter/exit, which will cause delays. AF said traffic marshals will be in place to stop this from happening</li> <li>• Traffic marshals will also be in place on Lovibond Lane to safeguard vulnerable people during Bright Horizons nursery opening and closing times</li> <li>• A resident asked how Bellville House residents will receive deliveries, laundry drop-offs etc. OF said if the resident works together with Tideway, it will ensure deliveries are received. A resident said Bellville House's concierge will also be able to help</li> <li>• Tideway has also spoken with local businesses and hotels to ensure bin collections and deliveries take place safely</li> <li>• A resident asked whether additional signage can be erected to ensure lorry drivers know the permitted route. AF stressed there will be ample traffic marshals in place to ensure delivery drivers take the correct route</li> <li>• A resident asked what times the marshals will be working. OF said 07.00-18.00 Monday-Friday and 07.00-13.00 on Saturdays. A resident stressed her concerns because the closure is 24/7 but traffic marshals will not be. Cllr MK said the situation will have to be monitored as customers of local bars could potentially ignore signage</li> <li>• A resident said Greenwich train station is popular for people who go to the local primary schools. OF said the footway is open both sides and barriers will be in place to guide pedestrians to the signalled crossings. A resident said the worry is people will try to use Lovibond Lane</li> <li>• A resident said the barriers on Norman Road and Greenwich High Road are forcing people to walk around them into the road, which is extremely dangerous. OF said the barriers are directed as they are because pedestrians keep ignoring the signage and walking on the road. Other options have been investigated but the barriers are designed to keep people on the footway. AF said once Norman Road is closed on 23 September, pedestrians will not be able to walk in the road</li> </ul>	
<p><b>5.0</b></p>	<p><b>Feedback from community representatives</b></p>	
<p>5.1</p>	<p>As previously requested, a resident asked again for an animation of a barge movement process, to ease residents' concerns. <b>Action: 4</b></p>	<p><b>Tideway</b></p>
<p>5.2</p>	<p>Cllr MK asked for Tideway to share all information with a resident regarding the strengthening of the Creek wall, to ensure any potential impact on the eco system can be assessed. SH confirmed the team has been liaising with the resident.</p>	
<p>5.3</p>	<p>A resident passed on her thanks to Lewisham Council and its councillors as the footpath outside the Creekside Centre means nobody is parking outside. School groups have been very appreciative of this.</p>	
<p>5.4</p>	<p>A resident explained that as Norman Road will not have any vehicle movements during the road closure, there is a concern about security in the area. Cllr MK</p>	

5.5	<p>requested, as an action, Tideway corresponds with the police to find out if there have been any reported crimes. This can then be monitored. <b>Action: 5</b></p> <p>Cllr MK also said LB Greenwich has quarterly meetings with the police in the area and recommended a representative from Bellville House attends going forward. A resident said this was a good idea. AF said the Norman House development will be installing CCTV on their site boundary, which may put people off committing crimes. However, AF explained it can be difficult for construction sites to film anything but their site, due to GDPR.</p>	<b>Tideway</b>
<b>6.0 Any other business and agree next meeting date</b>		
6.1	Date of next meeting, Tuesday 21 January 2020 - <b>TBC</b> , 6pm-8pm.	

**Actions Register:**

Meeting Date	Item	Action	Responsibility	Status
12/09/2019	3.2	Action 1: Presentation to be issued with the minutes.	JM	Closed - sent out
12/09/2019	3.8	Action 2: Tideway to provide Cllr MK something in writing to confirm the dredging plans and the assessments carried out beforehand.	Tideway	Open
12/09/2019	3.11	Action 3: Tideway to check whether there are any conditions in place with Greenwich Planning regarding Norman House noise or air quality levels.	Tideway	Open
12/09/2019	5.1	Action 4: Tideway to create an animation of a barge movement process.	Tideway	Open
12/09/2019	5.4	Action 5: Tideway to correspond with the police to find out if there have been any reported crimes on Norman Road.	Tideway	Open