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## SCHEDULES

### SCHEDULE 3

#### REQUIREMENTS

##### **Project-wide requirements**

2. The table below sets out the requirements for the Project as a whole —

<i>Title</i>	<i>Ref</i>	<i>Text</i>
Interpretation/definitions	PW1	<p>In this Schedule—</p> <p>“Air Management Plan” means the document with reference number 7.14;</p> <p>“Approved plans” means those drawings listed at part 4 of Schedule 2 to this Order;</p> <p>“CoCP Part A” means the Code of Construction Practice Part A— General Requirements (document reference number APP205.01) as varied by the CoCP Part B for each site;</p> <p>“CoCP Part B” means the Code of Construction Practice Part B— Site Specific Requirements (document reference numbers APP178.03-49) as varied by requirement KEMPF18 of this Order;</p> <p>“Design Principles” means the document with reference number APP206.01;</p> <p>“Draft Project Framework Travel Plan” means the document with reference number 7.11;</p>

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		<p>“Heritage Statement” means the document with reference number 5.3;</p> <p>“OAWSI” means the Overarching Archaeological Written Scheme of Investigation (document reference number APP195);</p> <p>“SSAWSI” means a site-specific archaeological written scheme of investigation;</p> <p>“relevant stakeholder” means any of the following organisations which may be relevant in the opinion of the relevant planning authority depending on the nature of any proposed amendment to the Code of Construction Practice to be considered for approval by the relevant planning authority— the Environment Agency, the local highway authority, Transport for London, the Port of London Authority, the Marine Management Organisation or the Historic Buildings and Monuments Commission for England;</p> <p>“TfL” means Transport for London;</p> <p>“HBMCE” means the Historic Buildings and Monuments Commission for England.</p>
Time limits	PW2	The authorised development must be commenced within five years of the date of this Order.
Phasing of the authorised development – Project wide	PW3	(1) The proposed construction phasing of the authorised project setting out the sequence of works numbered 1a, 1b, 1c, 1d, 7 and 20 shall be sent to the relevant planning authorities for information, no later than two months

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		<p>before the commencement of development.</p> <p>(2) The authorised development shall be carried out in accordance with the details provided further to (1).</p>
Phasing of the authorised development – Site specific	PW4	<p>(1) Development of each of the works numbered 2 to 19 and 21 to 27 shall not commence unless the proposed phasing of the authorised project on the site is submitted to the relevant planning authority for information at least two months in advance.</p> <p>(2) These details shall include, for each part of the authorised project, the location and period of those works, including construction, landscaping, removal of temporary construction areas and works, and commissioning, and the details of the body responsible for carrying out those works.</p> <p>(3) Any revisions to the construction phasing shall be submitted to the relevant planning authority for information at least two months in advance.</p> <p>(4) The authorised development shall be carried out in accordance with the details provided further to paragraphs (1) to (3).</p>
Drive strategy	PW5	<p>The tunnelling works that form part of the authorised development shall be driven in the directions set out below—</p> <p>Work No. 1a.</p> <p>From. Carnwath Road Riverside.</p> <p>To. Acton Storm Tanks.</p>

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		<p>Work No. 1b. From. Kirtling Street. To. Carnwath Road Riverside.</p> <p>Work No. 1c. From. Kirtling Street. To. Chambers Wharf.</p> <p>Work No. 1d. From. Chambers Wharf. To. Abbey Mills Pumping Station.</p> <p>Work No. 7. From. Dormay Street. To. King George’s Park.</p> <p>Work No. 7. From. Dormay Street. To. Carnwath Road Riverside.</p> <p>Work No. 20. From. Greenwich Pumping Station. To. Chambers Wharf.</p>
CoCP Part A	PW6	<p>Until completion of construction the authorised development described in Schedule 1 (<i>authorised project</i>) shall be carried out in accordance with the CoCP Part A subject to the provisions of paragraph 11 of Part 3 of Schedule 16 to this Order and any site-specific variations made through the approval of a revised CoCP Part B, unless otherwise agreed by the relevant planning authority, in</p>

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		consultation with other relevant stakeholders. This requirement is subject to requirement KEMPF18.
Air Management Plan	PW7	<p>(1) The authorised development shall be operated and maintained in accordance with the Air Management Plan (document reference 7.14).</p> <p>(2) Any alterations to the Air Management Plan shall be submitted to, and approved by, the Mayor of London in consultation with the relevant affected local authority.</p> <p>(3) The authorised development shall not be brought into use until details of odour management and monitoring for each site are submitted to the relevant planning authority for information.</p>
Monitoring of and protective works to listed buildings and structures (including from settlement)	PW8	<p>(1) Where monitoring of effects on any listed building or structure is proposed, instrumentation and monitoring equipment shall be temporarily attached in accordance with the principles set out in Section 3.7 of the Heritage Statement, and in consultation with the landowner, unless otherwise approved by the relevant planning authority in consultation with the HBMCE before the equipment is attached.</p> <p>(2) Any intrusive protective works or mitigation which might affect the heritage significance of any listed buildings or structures, either during construction or to mitigate the effects of construction, shall not be carried out until details of</p>

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		<p>those works are submitted for approval by the relevant planning authority in consultation with the HBMCE.</p> <p>(3) The authorised development shall be carried out in accordance with the approved details, unless otherwise agreed by the relevant planning authority in consultation with the HBMCE.</p>
Built heritage recording	PW9	<p>(1) The built heritage assets set out in Appendix C of the OAWSI shall not be demolished or removed until a SSAWSI (which shall accord with the OAWSI) setting out how the asset shall be recorded is submitted for approval by the relevant planning authority in consultation with the HBMCE.</p> <p>(2) The works to record the built heritage asset shall be carried out in accordance with the approved details, unless otherwise agreed by the relevant planning authority in consultation with the HBMCE.</p>
Signage for temporary footpath diversions	PW10	<p>(1) Any temporary diversion of a Public Right of Way shall not be implemented until a scheme for temporary signage at points of changes in direction is submitted for approval by the local planning authority in consultation with the relevant highway authority. Any approved temporary diversions must be publicised in order to give adequate notice to pedestrians and cyclists.</p> <p>(2) The signs shall be erected and maintained in accordance with the approved details throughout the construction period, unless otherwise agreed by the</p>

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		relevant planning authority in consultation with the relevant highway authority.
Interpretation strategy	PW11	<p>(1) A project-wide heritage interpretation strategy shall be developed in consultation with the HBMCE within 12 months of the start of construction, in accordance with the OAWSI and design principle HRTG.07.</p> <p>(2) The strategy shall be implemented at site level through the landscaping details to be submitted for approval by the relevant planning authorities, or pursuant to a site specific heritage interpretation requirement.</p> <p>(3) The authorised development shall be carried out in accordance with the approved details, unless otherwise approved by the relevant planning authorities in consultation with the HBMCE.</p>
Excavated material and waste	PW12	<p>(1) Excavated material and waste arising during construction of the authorised development shall be managed in accordance with the Excavated Material and Waste Commitments (document reference APP142).</p> <p>(2) Any alterations to the Excavated Material and Waste Commitments shall be submitted for approval by the Mayor of London in consultation with Natural England, and shall be within the terms of the Habitats Regulations Assessment No Significant Effects Report and the Environmental Statement.</p>
Groundwater and dewatering monitoring and management	PW13	Groundwater and dewatering monitoring and management shall be carried out

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		<p>in accordance with the Groundwater Environmental Management – Dewatering and Monitoring Strategy (document reference APP141). Any alterations to the strategy shall be submitted to, and agreed by, the Environment Agency.</p>
Operational noise	PW14	<p>(1) Use of the authorised development shall not commence until a noise report is submitted to and approved by the relevant planning authority for each site. This report shall be based on the methodology as defined in British Standard 4142—1997 and demonstrate that the rating noise level for permanent fixed plant / machinery at the nearest residential receptor is 10dB (A) below the typical background noise level for the quietest periods of time over which the plant / machinery will operate.</p> <p>(2) The authorised development shall be carried out in accordance with the approved details, unless otherwise approved by the relevant planning authority.</p>
River Transport Strategy	PW15	<p>The authorised development shall be carried out in accordance with Section 4 and Schedules 1 to 7 of the River Transport Strategy (document reference APP207.02), or such updated version of the River Transport Strategy which is the result of any approval given or other decision taken further to the terms of the River Transport Strategy. Notwithstanding this, for the purposes of paragraphs 4.1.1(c), 4.1.1(d) and 4.1.1(e) of the River Transport Strategy, Chambers Wharf shall also be</p>



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		considered and treated as a foreshore site.
Completion of construction	PW16	The undertaker shall within 10 business days of completion of construction serve notice in writing of the date of completion of construction upon all the relevant planning authorities, and the Mayor of London, HBMCE, Natural England, Environment Agency, Transport for London, Marine Management Organisation, Port of London Authority, Metropolitan Police, City of London Police, and the London Fire and Civil Defence Authority.
Noise and vibration trigger values	PW17	<p><i>1 Noise and vibration trigger values</i></p> <p>1.1 This requirement sets out the noise and vibration trigger values for the provision of off-site noise mitigation under the Non-statutory off-site mitigation and compensation policy (Application document number— APP210.01). References in this document to trigger values are to be construed as references to the trigger values in this requirement.</p> <p><i>2 Residential property (airborne noise)</i></p> <p>2.1 Subject to paragraphs 2.2 and 2.3 the airborne noise trigger values for noise insulation and temporary rehousing for residential property are as set out in Table 1. All construction noise levels will be predicted or measured at a distance of 1m from any affected eligible façade, which must have windows to bedrooms or living habitable rooms. In this requirement</p>

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		<p>“habitable room” has the same meaning as in the Building Regulations 2000 Approved Document F (2010 edition).</p> <p>2.2 The trigger values shown in Table 1 do not apply where the ambient noise level is greater than the noise insulation trigger value. In such cases, where the ambient noise level (in the absence of construction noise) exceeds the relevant noise insulation trigger value shown above, then—</p> <p>2.2.1 the ambient noise level shall be used as the construction noise level required to trigger insulation; and</p> <p>2.2.2 the ambient noise level +10dB shall be used as the temporary rehousing trigger value.</p> <p>2.3 The trigger values shown in Table 1 apply if—</p> <p>2.3.1 the predicted or measured noise level exceeds the noise trigger value for noise insulation or temporary rehousing at the property for at least ten days out of any period of 15 consecutive days; or</p> <p>2.3.2 the predicted or measured noise level exceeds the noise trigger value for noise insulation or temporary rehousing at the property for 40 days in any six-month period; or</p> <p>2.3.3 where a significant effect is identified using the assessment methodology defined in the Environmental Statement and forecast noise</p>

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		<p>level exceeds assessment category C defined in the Environmental Statement even if the duration trigger values in paragraphs 2.3.1 and 2.3.2 are not exceeded; and</p> <p>(a) noise insulation does not already exist that is of an equivalent standard to that which would be allowed for under the Noise Insulation (Railways and other Guided Systems) Regulations 1996 (the ‘1996 Regulations’); or</p> <p>(b) grants for noise insulation works in accordance with the Land Compensation Act 1973 have not already been paid.</p> <p><i>3 Residential property (ground borne noise and vibration)</i></p> <p>3.1 The following ground borne noise and vibration trigger values apply for off-site mitigation—</p> <p>3.1.1 ground borne noise measured near, but not at, the centre of any room in a property— 45 dB LASmax.</p> <p>3.1.2 ground borne vibration measured at the centre of any floor in a property—</p> <p>(a) daytime (7am to 11pm)— a vibration dose value (VDVb) of 0.8m/s<sup>1.75</sup>; and</p> <p>(b) night-time (11pm to 7am) — a vibration dose value (VDVb) of 0.4m/s<sup>1.75</sup>.</p> <p>3.2 Temporary respite accommodation will be triggered if the predicted or measured vibration exceeds the trigger levels in the</p>

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		<p>property for more than one day.</p> <p>3.3 At any residential property where noise insulation cannot reasonably be installed the trigger value for temporary rehousing shall be the same as the trigger value for noise insulation as set out in Table 1.</p> <p><i>4 Special cases— Residential</i></p> <p>4.1 Night shift worker— the night-time trigger values in paragraphs 4.2.1 and 4.2.2 shall apply during the day and evening.</p> <p>4.2 Vulnerable persons (as defined in the Non-statutory off-site mitigation and compensation policy (application document number — APP210.01))—</p> <p>4.2.1 for airborne and ground borne noise the trigger levels at 2 and 3.1.1 minus 10 dB shall apply;</p> <p>4.2.2 for ground borne vibration the trigger values at paragraph 3.1.2 divided by 2 shall apply.</p> <p><i>5 Special cases - houseboats</i></p> <p>5.1 Development shall not commence at Putney Embankment Foreshore, Kirtling Street, Heathwall Pumping Station or Chambers Wharf until trigger values for noise insulation and temporary rehousing in relation to noise and vibration impacts on houseboats in the vicinity of those work sites have been submitted to and approved by the relevant planning authority.</p>

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		<p>5.2 Trigger values for temporary rehousing where noise insulation in relation to houseboats cannot reasonably be installed shall be the same as the trigger values for noise insulation agreed under paragraph 5.1.</p> <p>5.3 Thereafter the approved values shall be applied as the trigger values for houseboats as a special case.</p> <p>6 Special cases— community facilities</p> <p>6.1 Airborne noise trigger levels are set 5 dB above the prevailing ambient noise level (indoors or outdoors) or the guidelines / limits set in the following whichever is the higher—</p> <p>(a) BS8233 (1999) Sound Insulation and Noise Reduction for Buildings. Code of Practice. British Standards Institution;</p> <p>(b) Education Funding Agency (2012). Acoustics Performance Standards for the Priority Schools Building Programme. Department for Education. The Stationery Office Limited;</p> <p>(c) Department for Health (2011). Acoustics— Technical Design Manual 4032—0.3. The Stationery Office Limited; and</p> <p>(d) British Council for Offices (2009). Guide to Specification.</p>
Notice of maintenance works	PW18	The undertaker shall give notice to the relevant planning authority not less than 28 days in advance of carrying out ten yearly maintenance

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		<p>operations for any works at any of the sites in the area of the relevant planning authority. Such notice will provide a description of the works to be undertaken, the location and extent of the works, estimated duration and means of access to the site and necessary arrangements for maintenance/provision of associated services to be provided to the sites.</p>
<p>Baseline monitoring</p>	<p>PW19</p>	<p>Development at any work site shall not commence until ambient noise monitoring has been carried out at sensitive receptors in the vicinity of that work site and the following conditions have been met-</p> <p>(a) locations for ambient baseline noise monitoring have been submitted to and approved by the relevant planning authority.</p> <p>(b) a method statement for noise monitoring, to include the duration of monitoring, has been submitted to and approved by the relevant planning authority.</p> <p>(c) noise monitoring has been carried out at the approved locations in accordance with the approved method statement.</p> <p>(d) the results of the noise monitoring have been submitted to the relevant planning authority.</p>

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**Table 1 as referred to in PW17**

<i>Day</i>	<i>Time</i>	<i>Averaging period, T</i>	<i>Noise insulation(1) trigger value <math>dB_{Leq,T}</math></i>	<i>Temporary rehousing trigger value <math>dB_{Leq,T}</math></i>
	7am to 8am	1 hour	70	80
Mondays to Fridays	8am to 6pm	10 hours	75	85
	6pm to 7pm	1 hour	70	80
	7pm to 10pm	1 hour	65	75
	7am to 8am	1 hour	70	80
Saturdays	8am to 1pm	5 hours	75	85
	1pm to 2pm	1 hour	70	80
	2pm to 10pm	1 hour	65	75
Sundays and Public Holidays	7am to 10pm	1 hour	65	75
Night-time	10pm to 7am	1 hour	55	65
Any day				

Site specific requirements

(1) Or equivalent off site mitigation