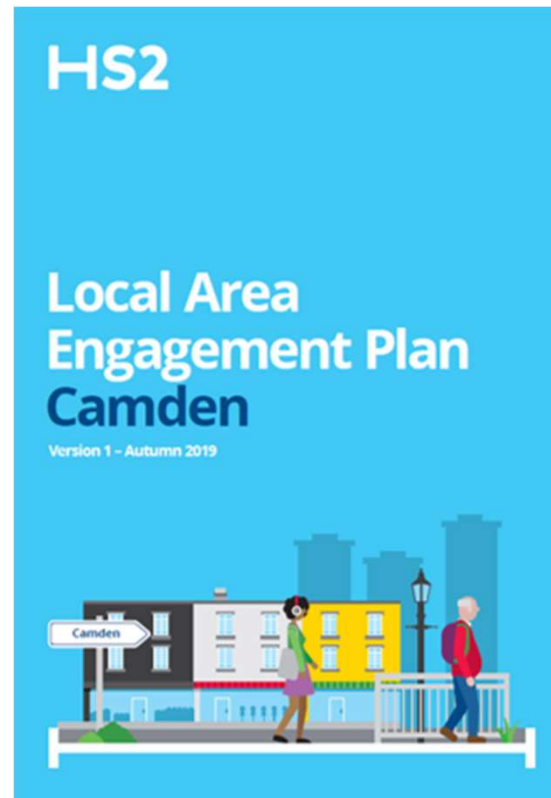


HS2

HS2 Update 22 September 2020

Community Engagement Strategy



Back To School

We constructed a new footpath and four large planters, to enable social distancing at Netley School, ready for the new term.



Community investment

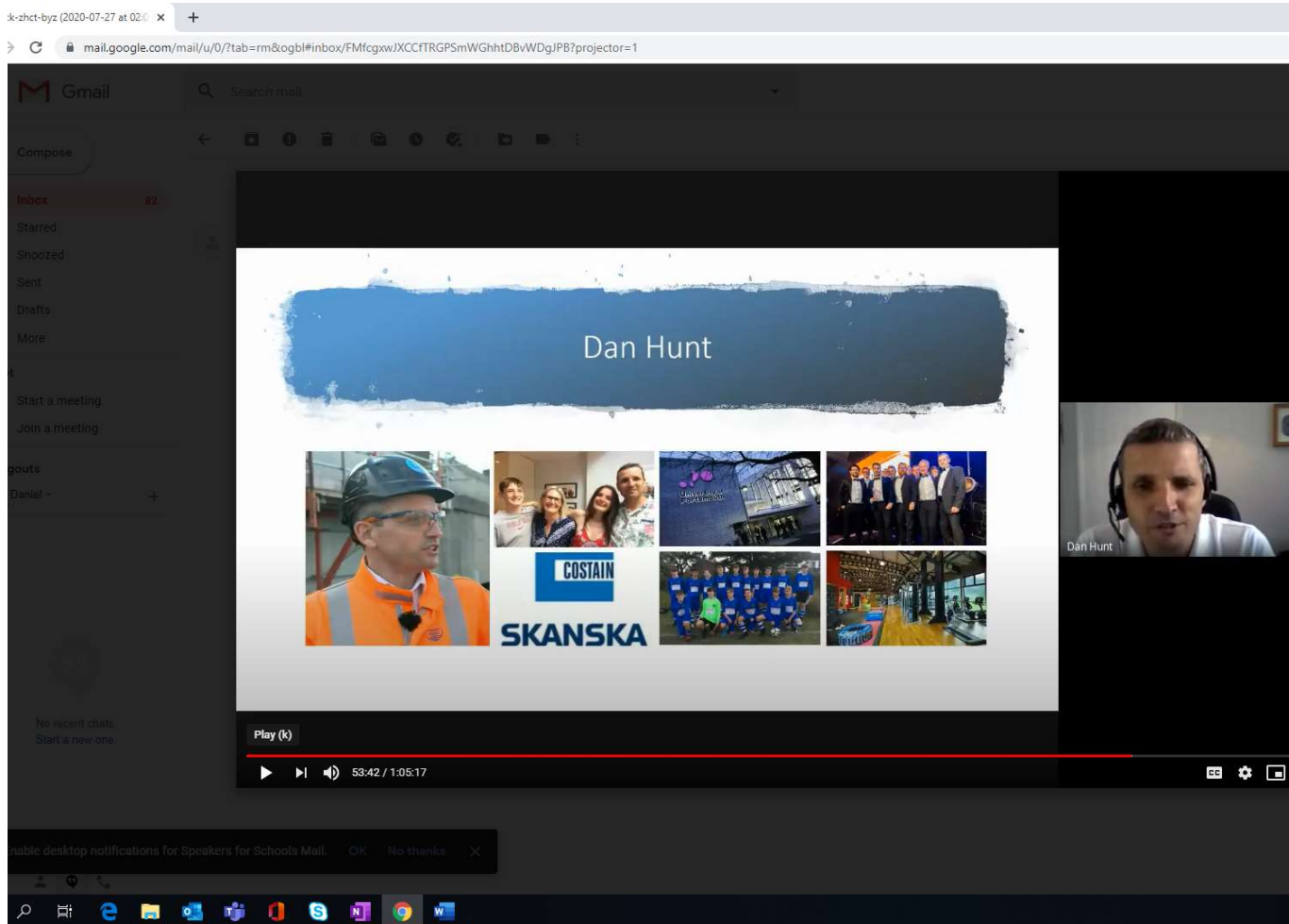


Building a new playhouse and wooden benches for the community allotment



Working with Green Gym members to clear communal space and maintain hedging and the wild flower meadow at the Tarns





Virtual Work Experience Programme

- **34** students attended from **seven** boroughs
- Event advertised via FAIR network and 14 girls also took part reflecting HS2's aim to promote the construction amongst women
- 16 sessions comprising of masterclasses, webinars and introductory sessions
- Topics included BIM, environmental, traffic management, engineering, employability skills, Health Safety and Wellbeing

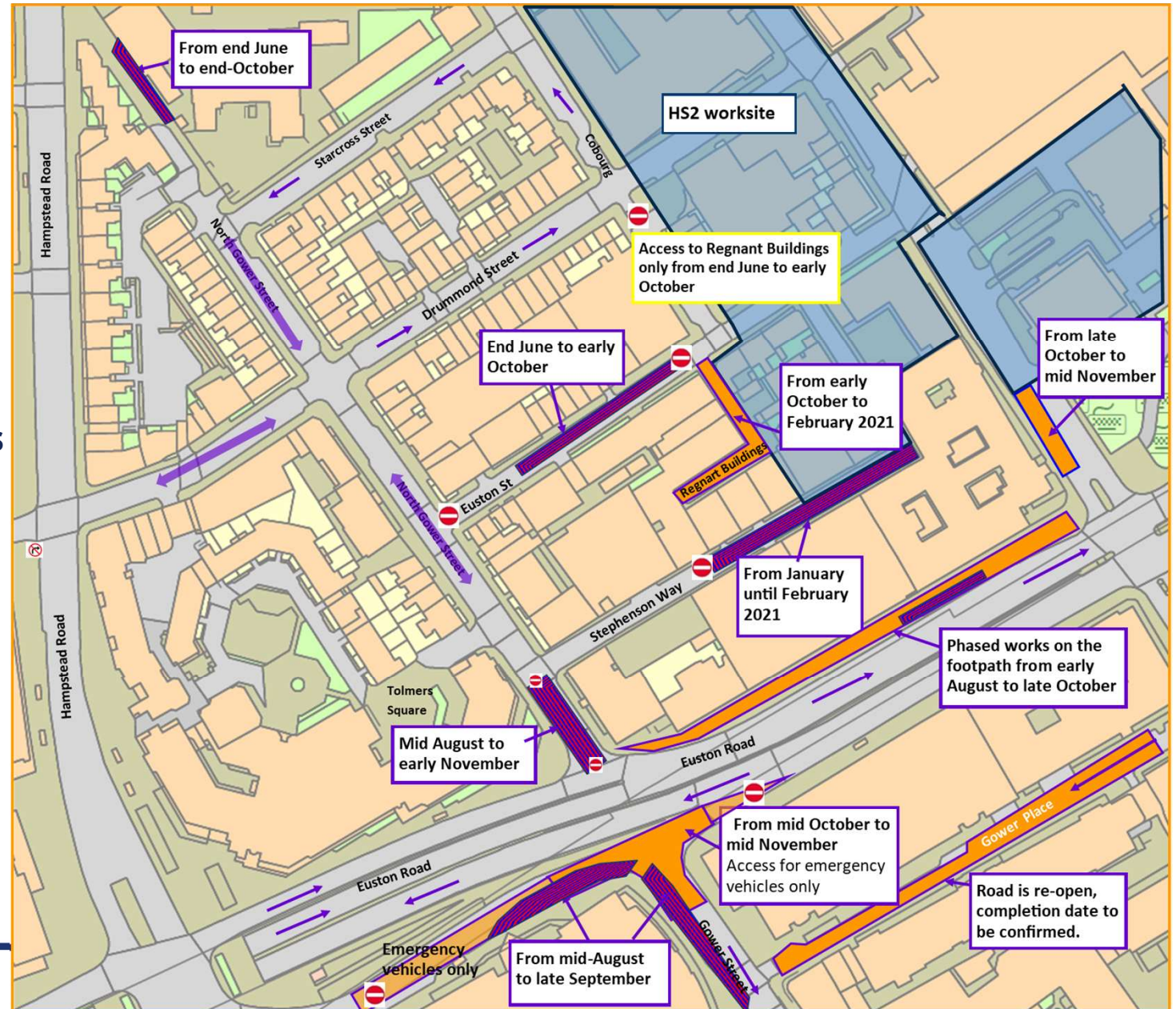
Euston west utility works

 Current utility works

 Planned works

 Two-way traffic direction

 One-way traffic direction



Water diversion and sewer construction along Harrington Street

- Water diversion in phases until early October
- Sewer construction in phases from Autumn 2020 to summer 2021, dates tbc
- Phased Road closures between Varndell Street and Mackworth Street
- Construction of 3m diameter manhole in the junction with Varndell Street
- Working northwards in phases
- Construction of 2.4m and 2.1m manholes and remaining pipework Harrington Street and Mackworth Street



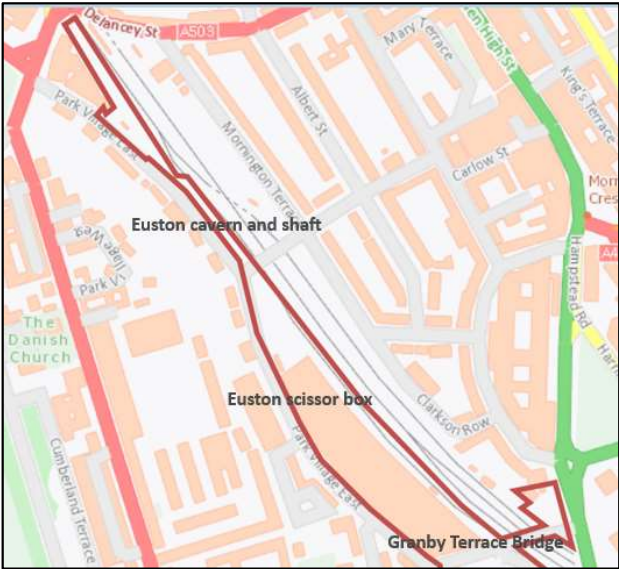
SCS – four main worksites



Adelaide Road



Vehicle Holding Area/ Parkway

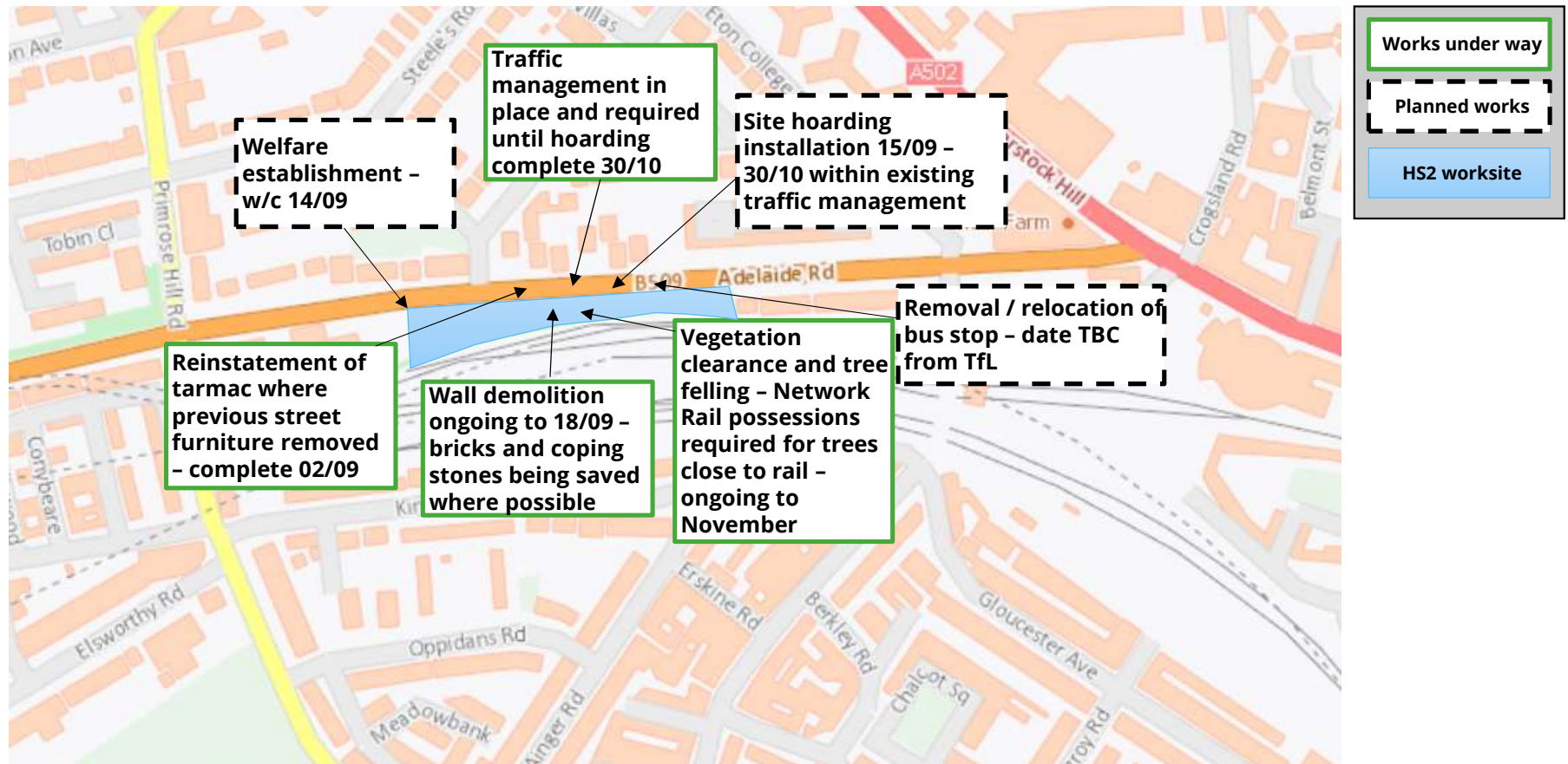


Park Village East



Regent's Park Estate (incl. Hampstead Road)

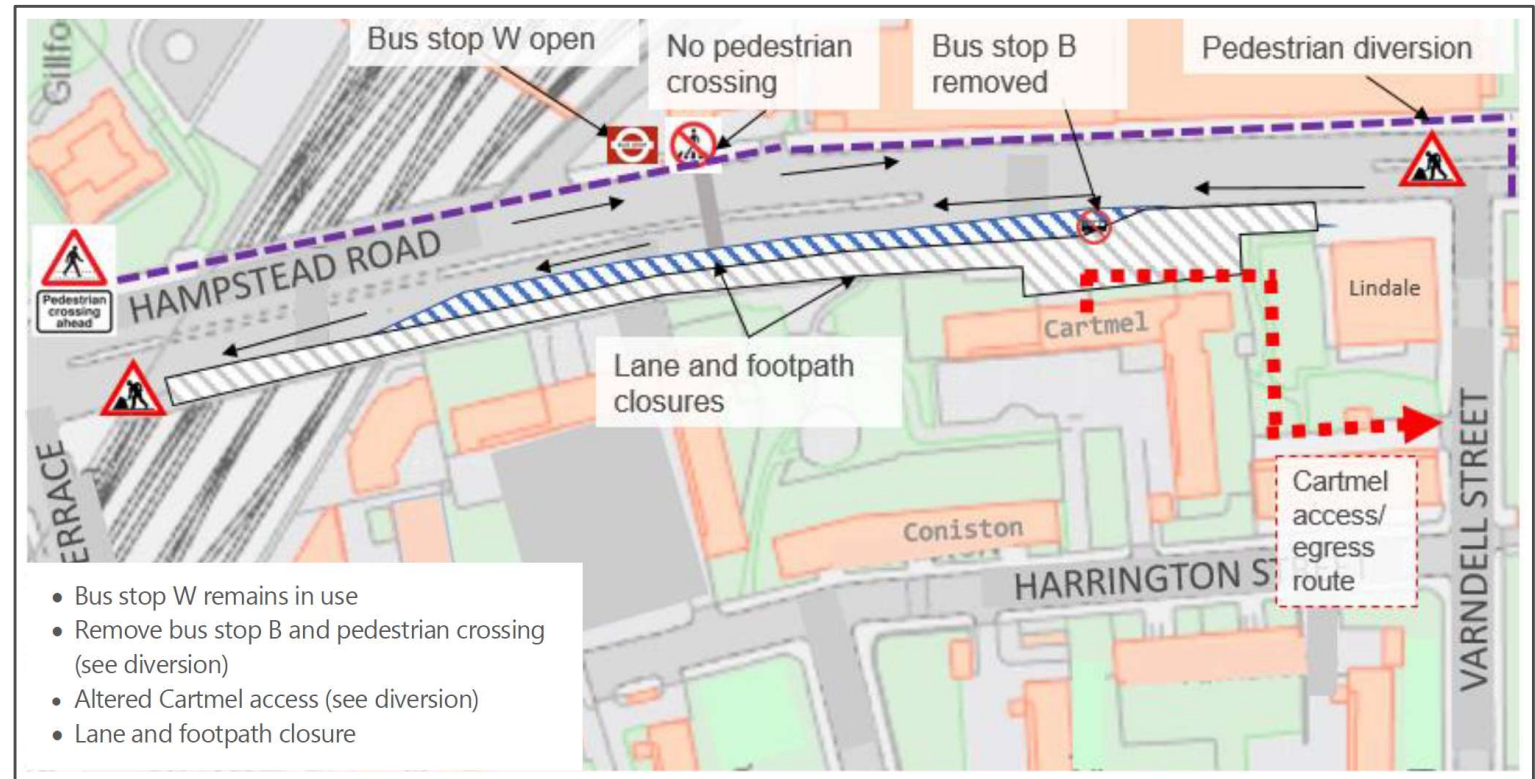
Adelaide Road Vent Shaft



Hampstead Road traffic management – starts 28th September 2020

Install 2nd stage TM

- 28th September 2020 to 21st October 2021
- Partial closure of northbound lane



2020

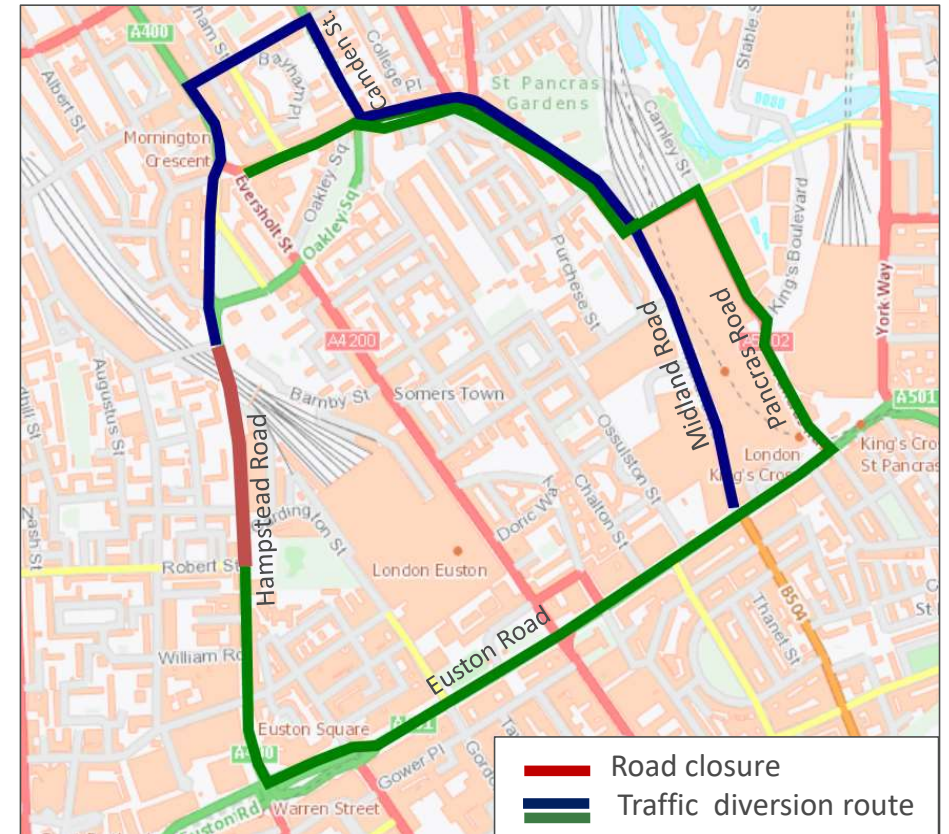
2021

May	June	July	August	September	October	November	December	January	February	March	April
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Hampstead Road closure - 5 nights

Full road closure required to carry out site clearance works whilst there is no traffic

- 1st, 2nd, 5th, 6th & 7th October
- 9pm to 5am



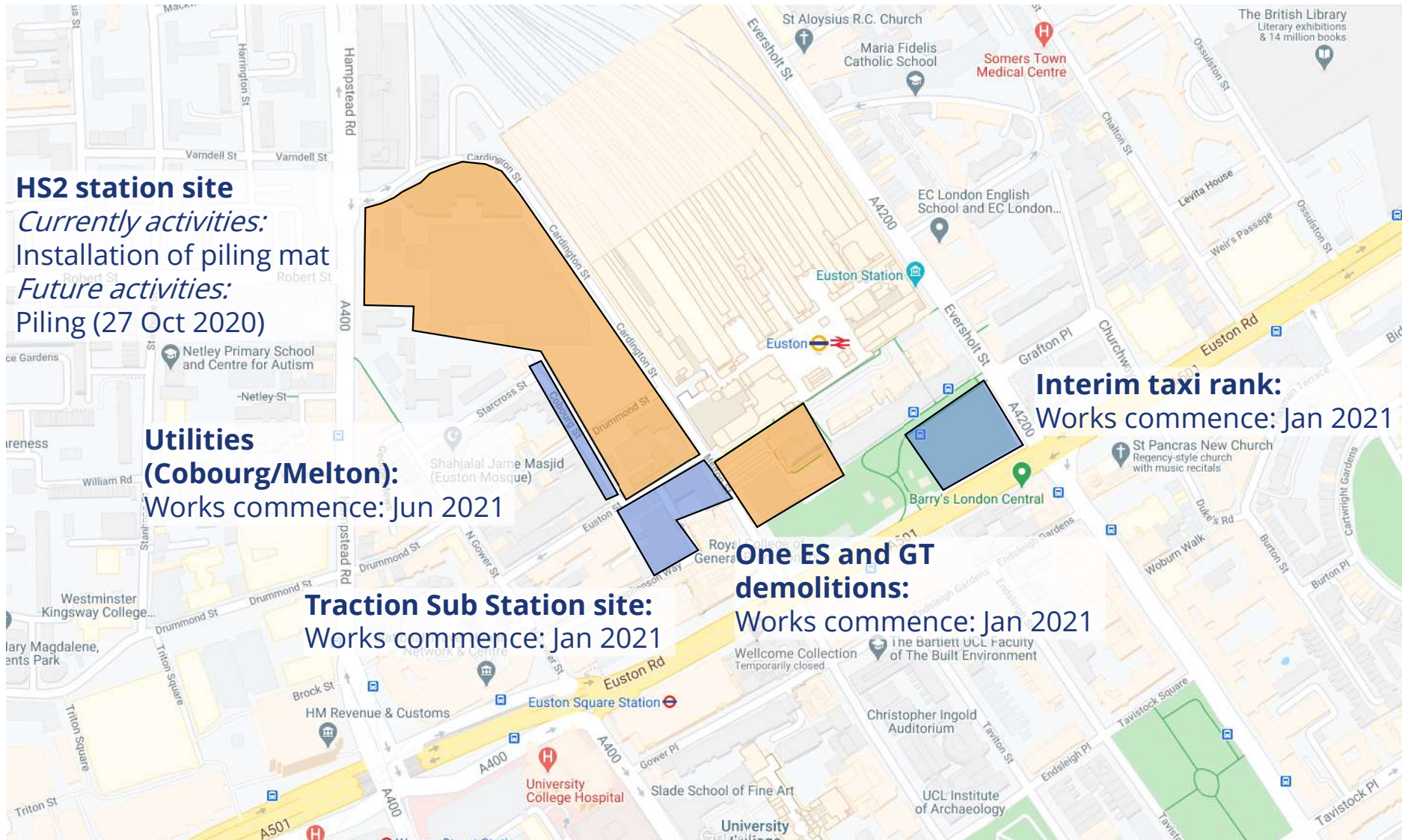
2020

2021

May	June	July	August	September	October	November	December	January	February	March	April
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SCS Euston Approaches – summary of road works

	Start	Finish
1. Vehicle holding area (inc Prince Albert Road and Parkway)		
• Parkway utility trial hole surveys	05/10/2020	16/10/2020
• Prince Albert Road closure (2 weeks) utilities connection works	19/10/2020	30/10/2020
• Prince Albert Road lane closure (4 weeks) utilities connection works	02/11/2020	27/11/2020
• Parkway utility trial hole surveys TBC	TBC	TBC
2. Park Village East		
• Park Village East hoarding height extension TBC	<i>In progress</i> 02/09/2020	30/09/2020 TBC
3. Regent's Park estate (inc Hampstead Road west-side)		
• Stanhope Street to Harrington Street hoarding works	<i>In progress</i> 03/08/2020	02/10/2020
• Close Hampstead garden and hoarding relocated	28/09/2020	Duration of MWCC
• Hampstead Road trial hole surveys #2 in the highway and other locations inc Cartmel	14/09/2020	25/09/2020
• Hampstead Road works prepare site for utility diversion – note 12 months +	28/09/2020	15/10/2021
• Hampstead Road closure (5 nights 9pm to 5am)	01/10/2020	07/10/2020
• <i>SCS – Phase 1 utility diversion (Clancy Docwra)</i>	19/10/2020	28/06/2021
• Ground water discharge into Harrington Street temporary until permanent drainage in place TBC	15/10/2020	31/12/2020
4. CCTV Surveys		
• Gloucester Avenue (south)	13/10/20	13/10/20
• Gloucester Avenue (north)	19/10/20	20/10/20
• Kilburn Priory/Springfield Lane	14/10/20	15/10/20



HS2 station site

Currently activities:
Installation of piling mat

Future activities:
Piling (27 Oct 2020)

Utilities (Cobourg/Melton):

Works commence: Jun 2021

Traction Sub Station site:

Works commence: Jan 2021

Interim taxi rank:

Works commence: Jan 2021

One ES and GT demolitions:

Works commence: Jan 2021

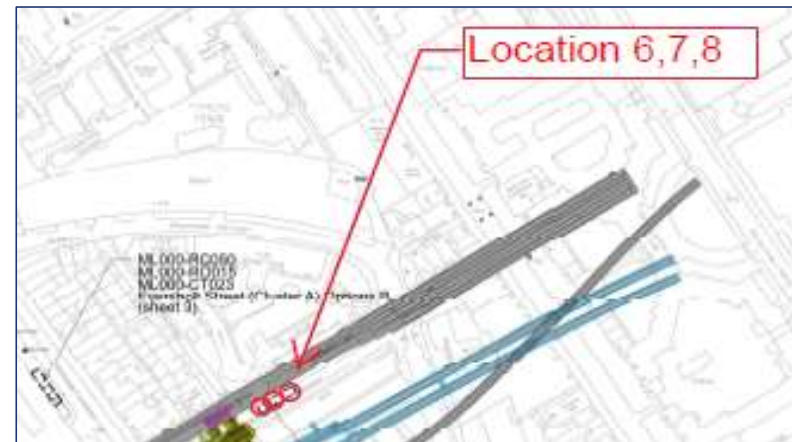
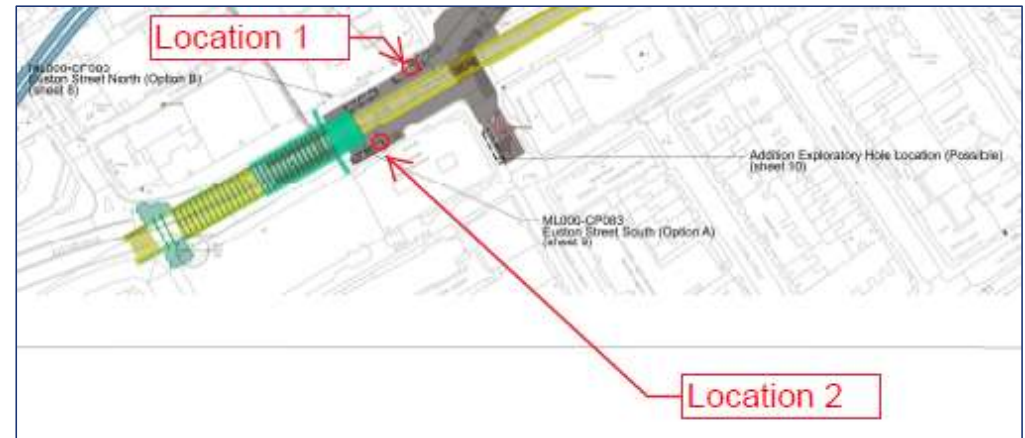
Euston - ground investigations: Boreholes

Scope: Nine boreholes required, 2 locations on Euston Road and 3 locations (1 site area) outside 1-79 Doric Way (see Maps)

Timescales: Plan to start in November for enabling works and drilling works end of December. 2 weeks drilling for each borehole for location 1&2 and 8 weeks drilling for location 6/7/8.

Type of Works: Surveys, trial pits and ground penetration.

Local Effects: Day works during construction hours (Monday to Friday). Noise and vibration not outside agreed limits. Location 2 to be confirmed, potential bus lane closure.



Piling (west retaining wall)

Scope: 164 piles (scheme agnostic)

Timescale: Piling commences 27 October for 3 months

Type of activities: Activities include piling rig, craneage and concrete pours.

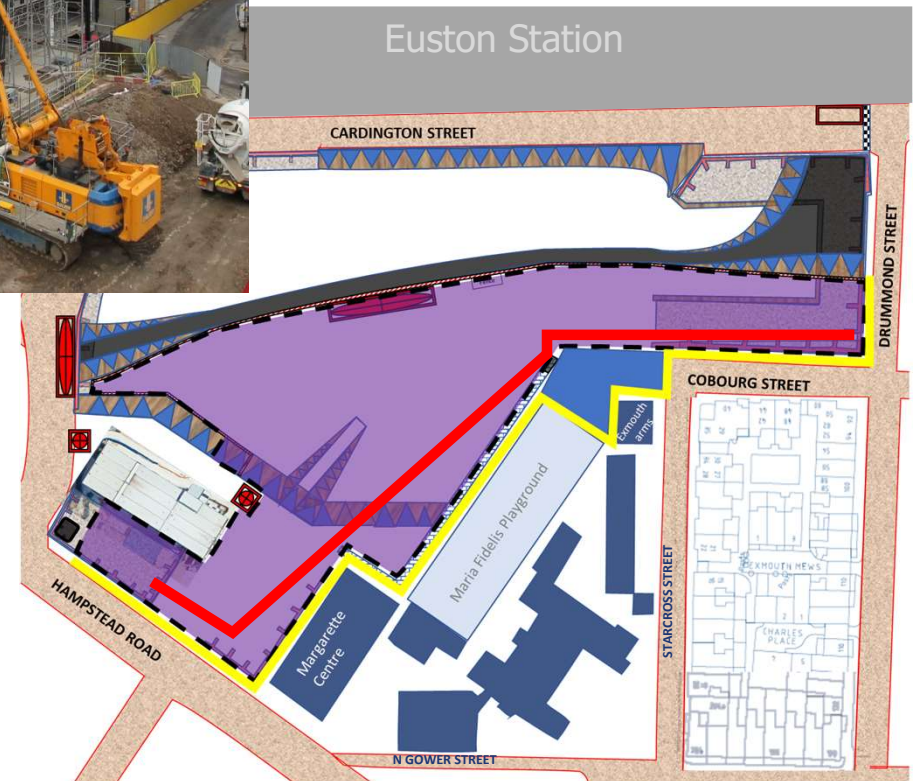
Local effects: Works contained within hoarded site. Bored piling (not percussive), concrete deliveries.

No overnight works required

Workforce peak: 40 workers

Lorry movements >24 per day

S61 submitted and approved



Network Rail Euston current activity update

Upgrade work continuing on escalators to LUL



Deconstruction of platforms 17 & 18 & parcel deck



Final track removal to enable HS2 Construction in DBS shed area

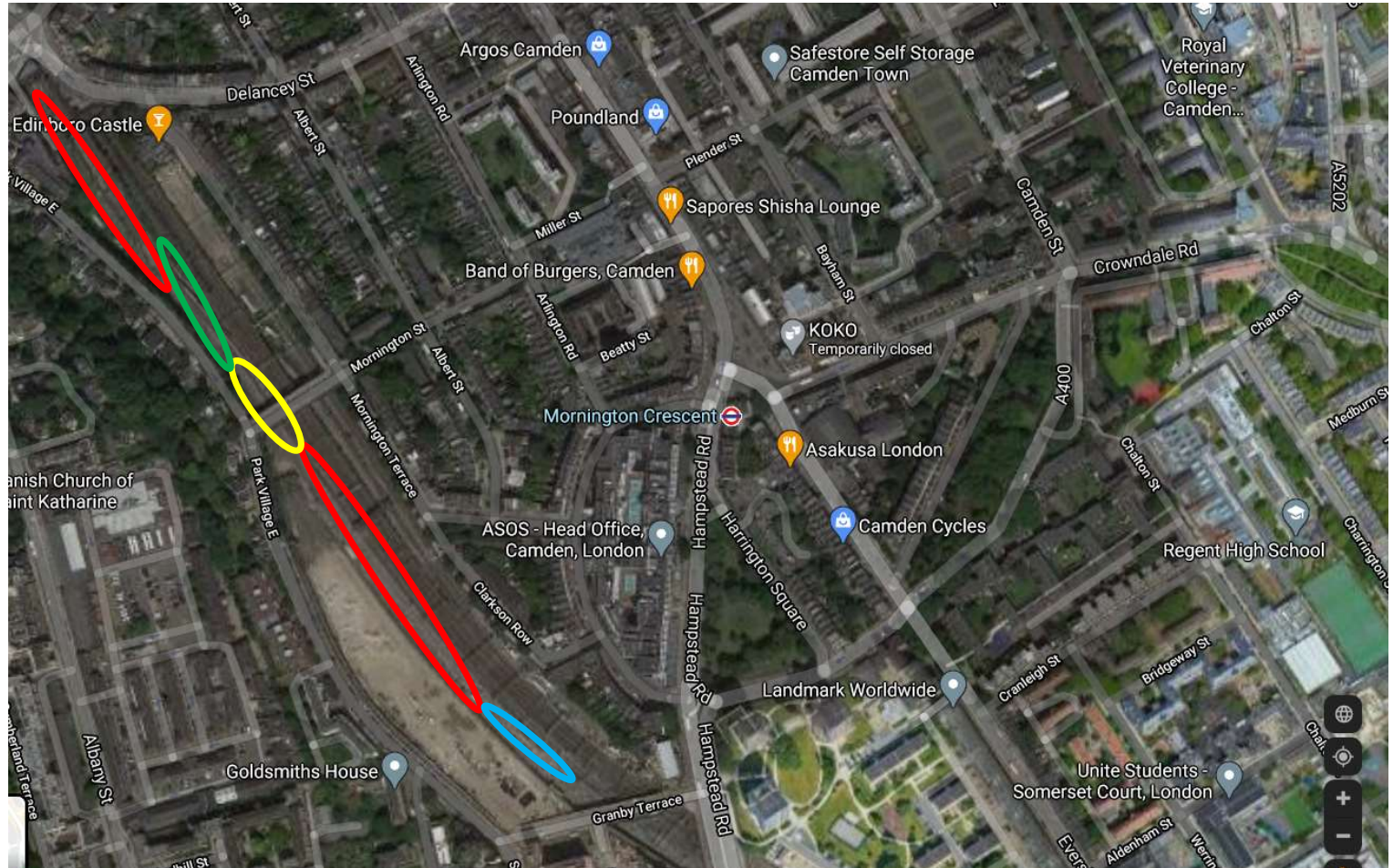
Red areas – Track removal from w/c 13 Sep

Blue area – Removal of points and plain line from w/c 14 Nov

Yellow area – Track removal from w/c 19 Dec

Green area – Remove points and plain line from w/c 16 Jan

Please note: These dates may be subject to change



12 month lookahead – Indicative*

September	October	November
<ul style="list-style-type: none"> • Piling for station at former NTH site at Hampstead Road • Start of exhumations on Cardington Street • Fit and finishing work on Barnby St electrical substation • Installation of new 11kv cable route in Camden Cutting through Barnby substation • Euston station demolition and modification work along platforms 16, 17 and 18 in Euston station. • Start of excavations for working platform at ETRC. • Addison Lee Office mobilisation complete. • Removal of Network Rail Brick Wall Adelaide Road • Removal of low vegetation at Adelaide Road • Installation of Hoarding at Adelaide Road 	<ul style="list-style-type: none"> • Removal of low vegetation and trees at Adelaide Road • Hoarding works near Langdale, Coniston and Cartmel under way • Hampstead Road site set up under way • Prince Albert Road closure for sewer connection into vehicle holding area • Removing DB Cargo shed foundation • Station piling • Fit and finishing work on Barnby St electrical substation • Installation of new 11kv cable route in Camden Cutting through Barnby substation • Euston station demolition and modification work along platforms 16, 17 and 18 in Euston station. 	<ul style="list-style-type: none"> • Earthworks start at Adelaide Road • Removal of Trees at Adelaide Road • Installation of Piling Platform at Adelaide Road • Piling starts in Euston Scissor Box (former DB Cargo) • Track-side hoarding (weekend possessions) • Pile mat and slab installation in Euston Scissor Box • Excavation starts between Granby Terrace Bridge and Hampstead Road • Main office set-up in Euston Throat Retained Cut next to Langdale • Hampstead Road utility diversion starts • Station piling • Fit and finishing work on Barnby St electrical substation • Euston station demolition and modification work along platforms 16, 17 and 18 in Euston station • Install of 11kv cable route ongoing

* Dates may change following impacts of COVID-19 on the programme and activities may need to be realigned. We will keep stakeholders informed in a timely manner

12 month lookahead – Indicative*

December	January 21	February 21
<ul style="list-style-type: none"> • Installation of piling platform at Adelaide Road • Piling works in Euston Scissor Box • Ongoing works in Euston Scissor Box and Euston Throat Retained Cut • Hampstead Road utility diversion continues • Christmas NR possession for works in the cutting • Station piling • Fit and finishing work on Barnby St electrical substation • Euston station demolition and modification work along platforms 16, 17 and 18 in Euston station • Install of 11kv cable route ongoing 	<ul style="list-style-type: none"> • Piling Works Adelaide Road • Piling starts for westside retaining wall in Euston Throat Retained Cut (Granby Terrace end) • Granby Terrace southern abutment works and span demolition • Hampstead Road utility diversion continues • Piling works in Euston Scissor Box • Construction of taxi rank (East Gardens) • Station piling 	<ul style="list-style-type: none"> • Piling Works Adelaide Road • Completion of earthworks at Adelaide Road • Piling for westside retaining wall in Euston Throat Retained Cut continues towards Hampstead Road bridge • Piling at Granby Terrace Bridge • Granby Terrace southern abutment works and span demolition • Ground anchors start • Hampstead Road utility diversion continues • Piling works in Euston Scissor Box • Vehicle holding area operational • Construction of taxi rank (East Gardens) • Completion of piling for station box.

* Dates may change following impacts of COVID-19 on the programme and activities may need to be realigned. We will keep stakeholders informed in a timely manner

12 month lookahead – Indicative*

March 21	April 21	May 21
<ul style="list-style-type: none"> • Earth Works Adelaide Road • Piling for westside retaining wall in Euston Throat Retained Cut continues towards Hampstead Road bridge • Granby Terrace southern abutment works and span demolition • Ground anchors continue • Hampstead Road utility diversion continues • Piling works in Euston Scissor Box • Construction of taxi rank (East Gardens) 	<ul style="list-style-type: none"> • Earth Works Adelaide Road • Piling for westside retaining wall in Euston Throat Retained Cut continues towards Hampstead Road bridge • Ground anchors continue • Hampstead Road utility diversion continues • Piling works in Euston Scissor Box • NR possession (6 weeks, nightworks) • Construction of taxi rank (East Gardens) 	<ul style="list-style-type: none"> • Earth Works Adelaide Road • Piling for westside retaining wall in Euston Throat Retained Cut continues towards Hampstead Road bridge • Ground anchors continue • Hampstead Road utility diversion continues • Piling works in Euston Scissor Box • Piling works for cavern and shaft start • Boreholes along Park Village East (southern end) • Construction of taxi rank (East Gardens).
June 21	July 21	Aug 21
<ul style="list-style-type: none"> • Earth Works Adelaide Road • Piling for Euston Throat Retained Cut (not the westside wall) starts • Ground anchors continue • Hampstead Road utility diversion continues • Piling works in Euston Scissor Box • Boreholes along Park Village East (southern end) • Lorry lay-by on Park Village East • Boreholes along Park Village East (northern end) 	<ul style="list-style-type: none"> • Ground anchors continue • Earthworks to Park Village East wall • Boreholes along Park Village East (northern end) • Park Village East (northern end) street level hoarding and site welfare • Piling for Euston Throat Retained Cut (not the westside wall) (location under investigation) 	<ul style="list-style-type: none"> • Earthworks to Park Village East wall • Piling for Hampstead Road bridge (next to Cartmel)

* Dates may change following impacts of COVID-19 on the programme and activities may need to be realigned. We will keep stakeholders informed in a timely manner

HS2

Agenda item 3

Noise and Noise Insulation

Noise Insulation

Stage of process	Number	Overheating tool
Total number of properties in scheme	1409	<ul style="list-style-type: none"> 'Light touch' desktop assessment tool substantially complete for certain property types, known to be more susceptible to heat (required 725,000 simulations).
Response received / interest shown	848	
Surveys completed	778	
Installed	<u>251</u>	Ampthill
Programme update <ul style="list-style-type: none"> Noise insulation works resuming with new suppliers engaged to recover delays due to Covid pause. Updated working arrangements in place to safeguard householders and contractors. 		<ul style="list-style-type: none"> Design largely complete for integrated glazing and ventilation system for high rise blocks. Ongoing liaison with LB Camden on integration with existing building.
		Mechanical ventilation for Listed Buildings <ul style="list-style-type: none"> Finalising contract of the heritage brickwork specialist for the installation of mechanical ventilation and protection of brickwork in Listed Buildings

Euston Test Piling noise monitoring

Test piling attended noise monitoring:

Cubitt Court (MP1), Goldsmiths House (MP2) Richmond House (MP3)

Average noise levels 20th May:

- Predicted range (average): **67-72dB**
- Actual range (average) **62.5-65dB** (on average lower by between -3.9dB and -7dB)
- **Maximum noise level 20th May: 85.0dB**

Average noise levels 4th June:

- Predicted range (average): **67-71dB**
- Actual range (average) **56.5-61.9dB** (on average lower by between -10.5dB and -9.1dB)
- **Maximum noise level 4th June: 81.8dB**

Average noise levels 29th July – Cubitt Court only:

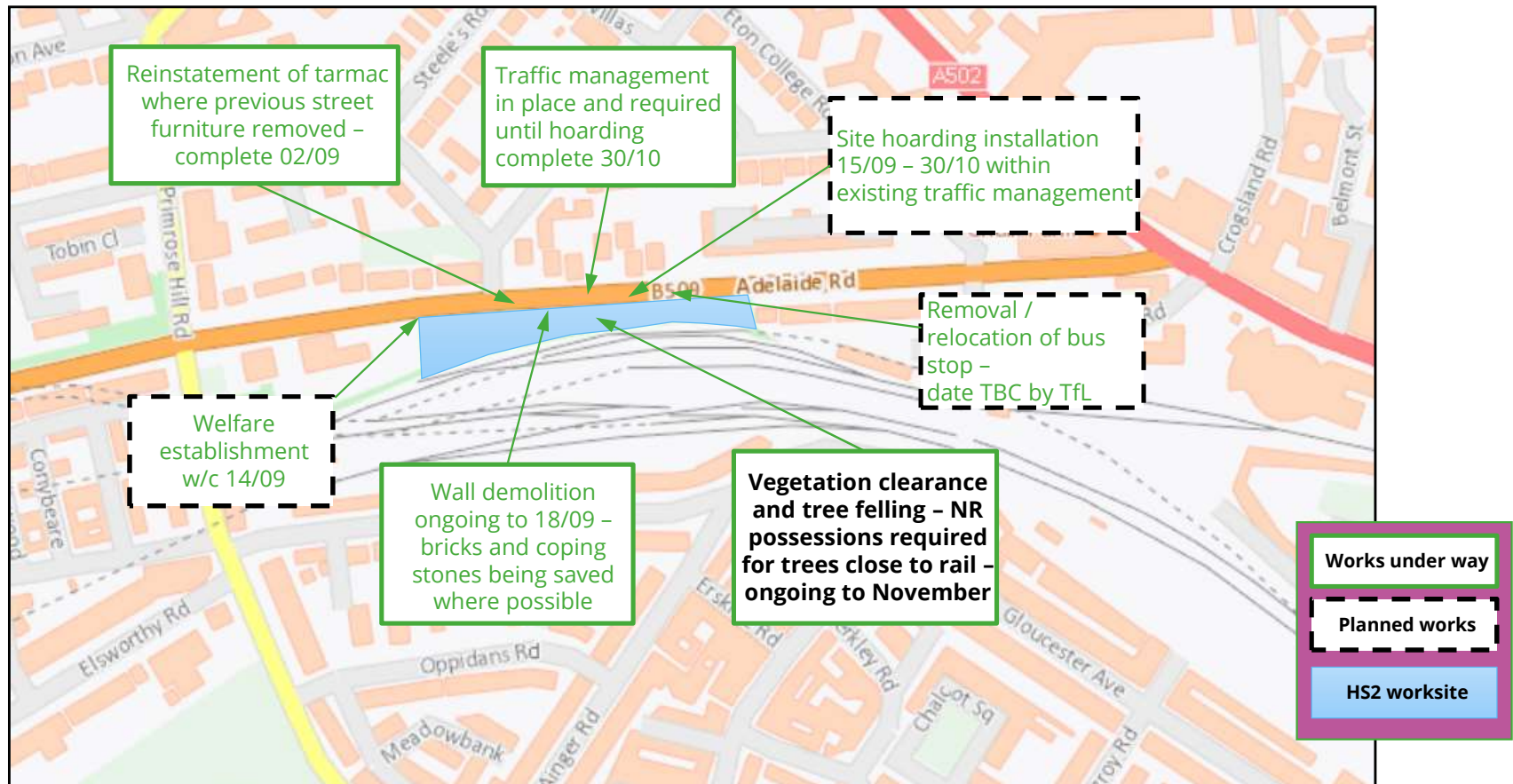
- Predicted level (average): **68dB**
 - Actual level (average) **57.4dB**
 - **Maximum noise level 29th July: 73.2dB**
-

HS2

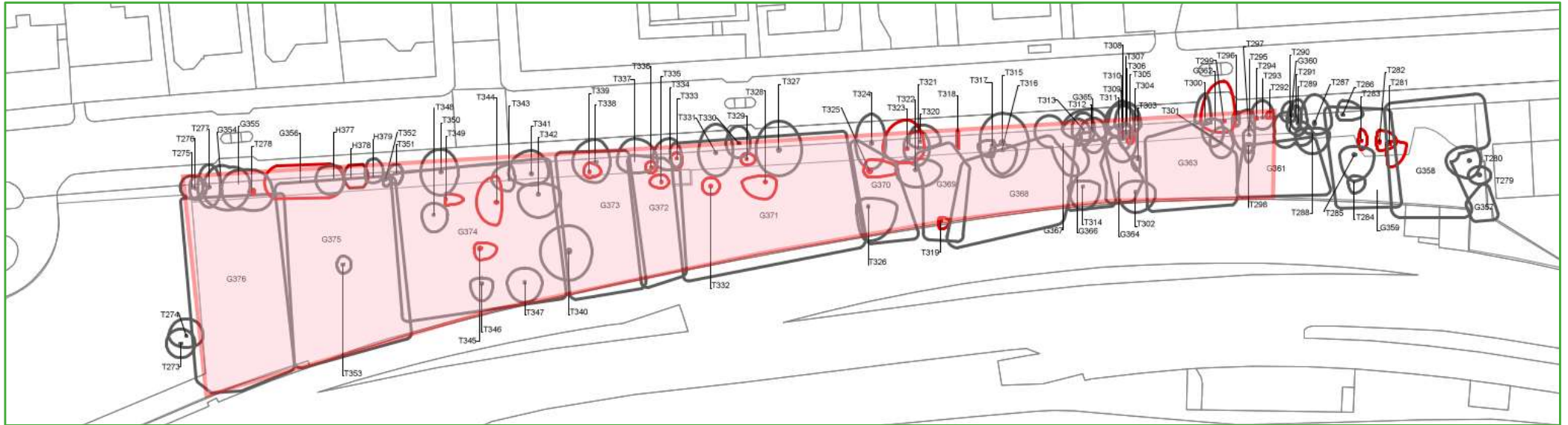
Agenda item 4

Trees: Adelaide Road Vent Shaft Site & Interim taxi rank

Adelaide Road Vent Shaft work site – current activities















Adelaide Road - area for removal of vegetation and trees



- 81 x individual trees, 23 x tree groups, 3 x hedges identified
 - *Trees: Ash (5), Sycamore (57), Hawthorn (5), Cherry (7), Lime (1), Plum (2), Laburnum (3), Oak (1)*
 - *24 trees, 1 tree group, 1 hedge recommended for removal regardless of future works*
 - *No trees recorded as 'Exceptional Trees'*
 - *Survey carried out to BS 5837:2012*

Adelaide Road initial tree survey

Land Parcel Reference			000 000	Date undertaken:		21st-23rd August				Consultant Name:											
Unique Tree ID Number			Species	Tree Location		Height	Spread (m)				Trunk/Stem Cat.	Trunk/Stem Diameter	Age	ERC	TPO	Main Cat.	Sub Cat.	Status	HS2 Asset Information Register (AIR) Code	General Observation / Description	
Tree Type (T/TG/W/H)	Tree No	Tree ID	Common Name (scientific name)	Easting (X) coordinate	Northing (Y) coordinate	(m)	North	South	East	West	single / multi stem	(mm)	(Y, SM, EM, M, OM)	(years)	(Yes/No)	(A,B,C or U)	(1, 2 or 3)	Retain / Remove / Works to tree		(Condition/faults/management/potential impact on HS2 Infrastructure Corridor/local reference)	
T	F273	000 000_T_F273	Common ash (Fraxinus excelsior)	527670.53	184333.44	12	2.5	2.5	2.5	2.5	Single Stem	175	SM	20+		C	2	Retain	Unknown	None	
T	F274	000 000_T_F274	Common ash (Fraxinus excelsior)	527671.49	184334.73	12.5	3	2	3	3	Single Stem	260	SM	20+		C	2	Retain	Unknown	None	
T	F275	000 000_T_F275	Sycamore (Acer pseudoplatanus)	527670.72	184361.54	8	2	2	2	2	Single Stem	220	SM	10+		C	2	Retain	Unknown	Stem encroached by ivy making assessment difficult.	

Tree Condition Survey Schedule																			
Survey Area Reference			000 000	Date undertaken:		21st-23rd August		Consultant Name:											
Unique Tree ID Number			Species		Risk Category	Target(s)	Hazard Class	Inspection General Condition	Inspection Remarks	Stem Physical	Stem Disease	Crown Physical	Crown Disease	Crown Foliation	HS2 Asset Information Register (AIR) Code	Action	Action remarks	Action Pri	
Tree Type (T/TG/W/H)	Tree No	Tree ID	Common Name (scientific name)								Stem Disease	Crown Physical	Crown Disease	Crown Foliation	HS2 Asset Information Register (AIR) Code	Action	Action remarks	Action Pri	
T	000 000F328	Adelaide Road_T_F328	Plum		Work action required	Road and footpath and boundary wall	Medium	Dead	Dead, cracked branch, stem encroached by ivy.	Stem encroached by ivy making assessment difficult.	n/a	n/a	n/a	n/a	Unkown	n/a	n/a	n/a	
T	000 000F329	Adelaide Road_T_F329	Cherry		Work action required	Road and footpath and boundary wall	Medium	Dead	Dead tree	Dead									
T	000 000F330	Adelaide Road_T_F330	Sycamore (Acer pseudoplatanus)		No Recommendations at time of survey	Road and footpath and boundary wall	Medium	Fair	None	n/a									
T	000 000F331	Adelaide Road_T_F331	Sycamore (Acer pseudoplatanus)		No Recommendations at time of survey	Road and footpath and boundary wall	Medium	Fair	Stem encroached by ivy making assessment difficult.	Stem encroached by ivy making assessment difficult.									
T	000 000F332	Adelaide Road_T_F332	Hawthorn		Work action required	Road and footpath and boundary wall	Medium	Dead	Dead tree	Dead									
T	000 000F333	Adelaide Road_T_F333	Sycamore (Acer pseudoplatanus)		No Recommendations at time of survey	Road and footpath and boundary wall	Medium	Poor	Half dead, stem dieback.	Die-back main stem									
T	000 000F334	Adelaide Road_T_F334	Sycamore (Acer pseudoplatanus)		No Recommendations at time of survey	Road and footpath and boundary wall	Medium	Fair	None	n/a									
T	000 000F335	Adelaide Road_T_F335	Sycamore (Acer pseudoplatanus)		Work action required	Road and footpath and boundary wall	Medium	Dead	Dead tree	Dead									
		Adelaide Road_T_F336	Hawthorn		Work action required	Road and footpath and boundary wall	Medium	Dead	Dead tree	Dead									



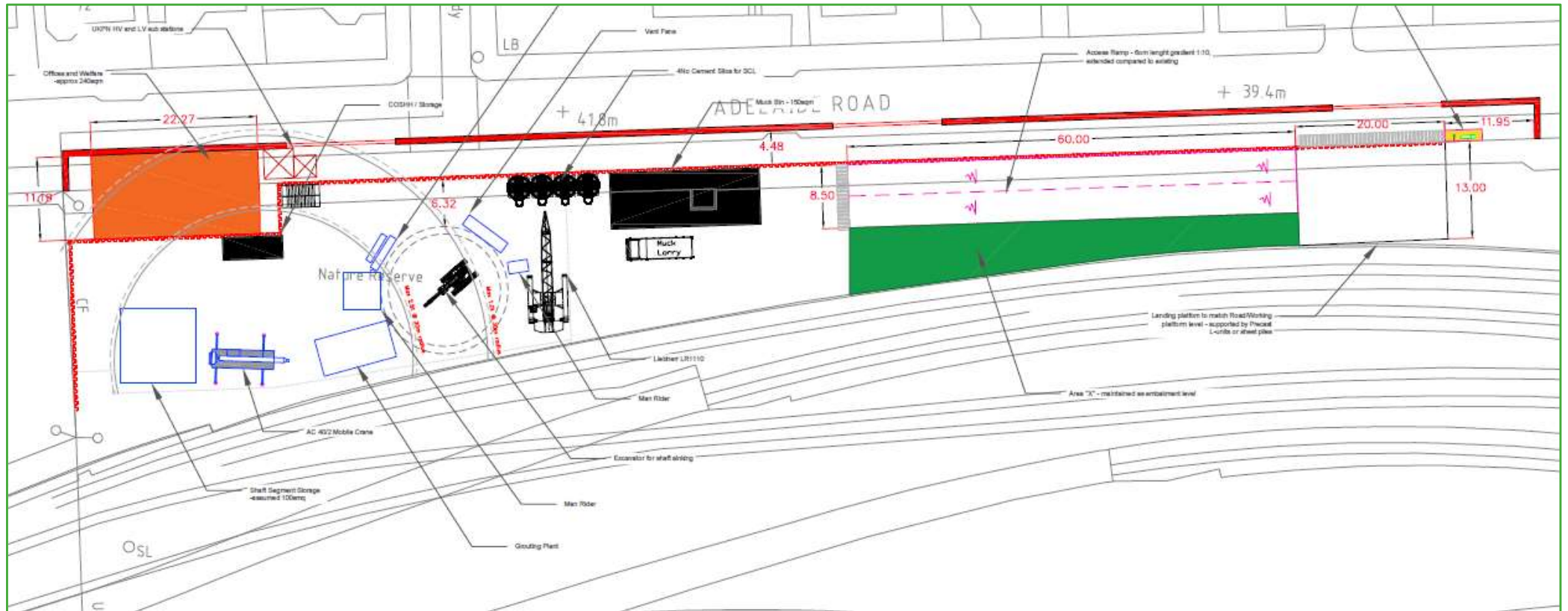
Updated survey due for issue to Tree Panel late September

Adelaide Road site layout

with identified tree groupings overlaid



Adelaide Road site layout for construction



Interim taxi rank



New planting

- 14 new trees to be planted
- Locations for and species of new trees to be agreed with LB Camden Tree Officer with input from interested parties
- New trees are intended to form part of the legacy design
- Additional suggestions for further greening measures to be invited