BIRMINGHAM CITY CENTRE PUBLIC REALM 2022



Concept design drawings

Rev 03.

October 2019

Notice

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Document history

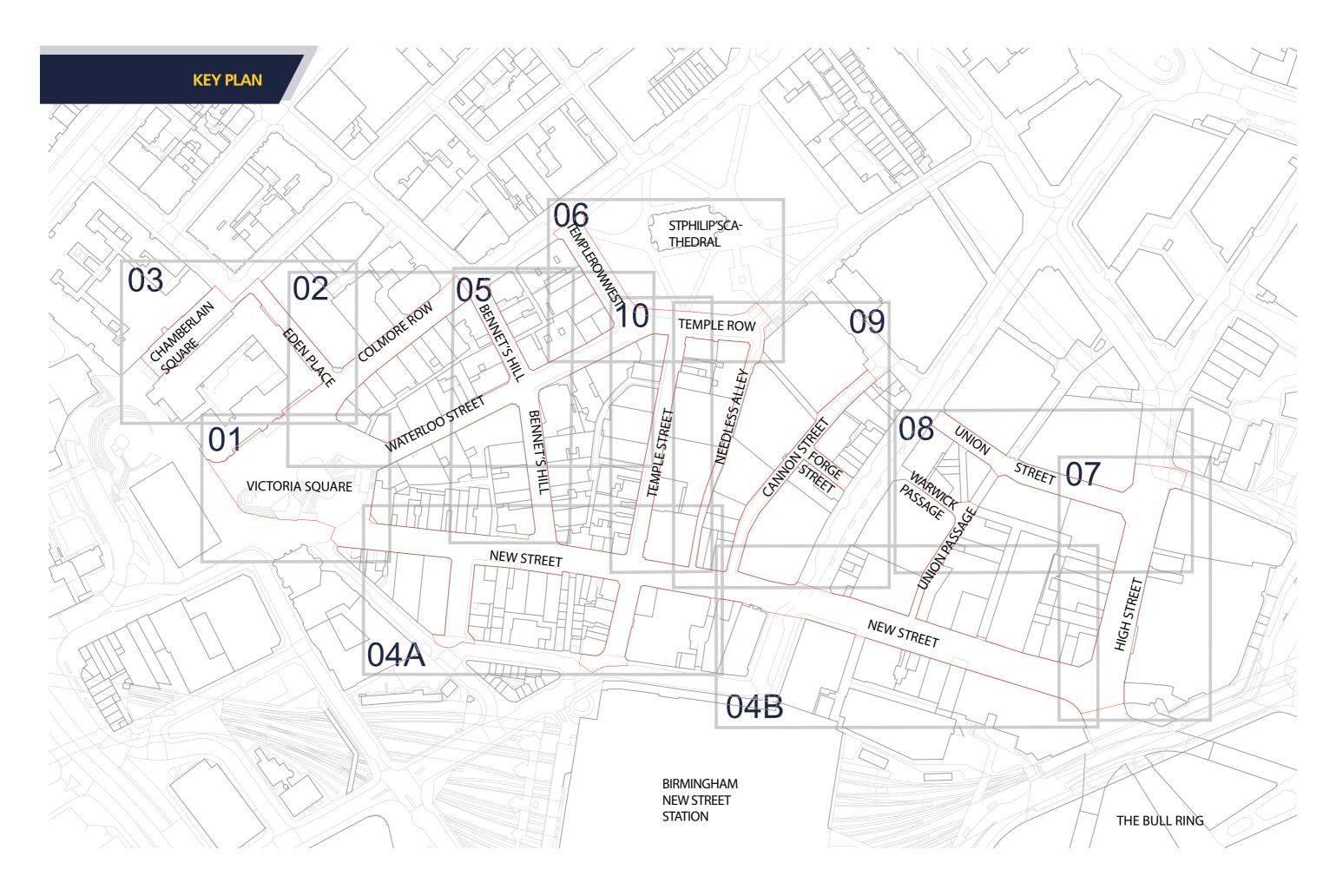
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00	First Issue	RH & GC	GW	EZ	12/06/19
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03	Updated as per clients comments	AM&GC	GW	EZ	11/10/19

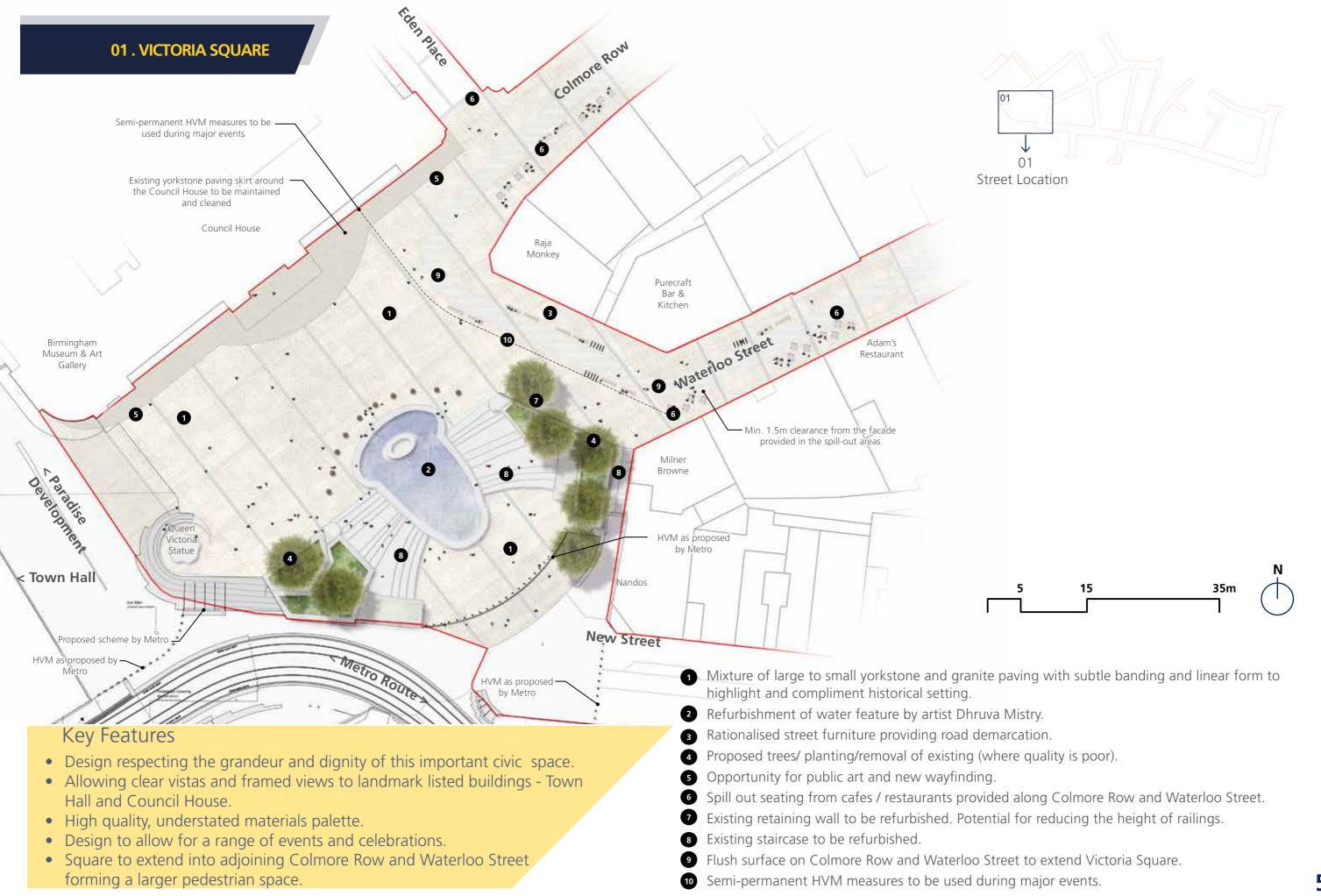
Client signoff

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Contents

RETTERN	
Street Designs	
01. VICTORIA SQUARE	5
02. COLMORE ROW/WATERLOO STREET	6
03. CHAMBERLAIN SQUARE, EDEN PLACE	7
04A & 04B. NEW STREET, ETHEL STREET, LOWER TEMPLE STREET	8
05. BENNETT'S HILL	11
06. TEMPLE ROW, TEMPLE ROW WEST	12
07. HIGH STREET	13
08. UNION STREET, UNION PASSAGE, WARWICK PASSAGE	14
09. CANNON STREET & NEEDLESS ALLEY	14
10. TEMPLE STREET	15
11. MATERIALS PALETTE	16
12. TECHNICAL INFORMATION	24



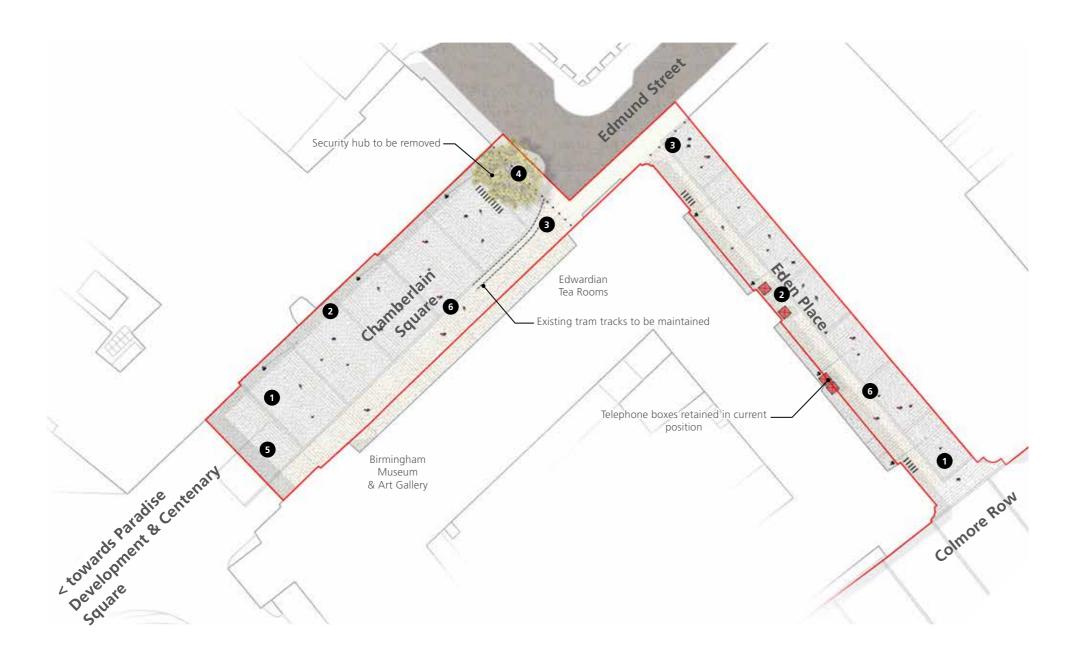


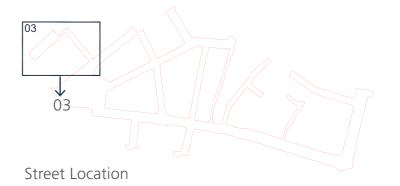
02. COLMORE ROW & WATERLOO STREET

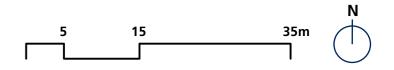
Key Features 02 • Victoria Square treatment extending along approach roads -Colmore Road and Waterloo Street. Street Location • Simple neutral and understated high quality natural stone materials to celebrate historic architectural context. Pedestrian feel with flush access and subtle demarcation via material palette/street furniture. • Elegant spacious street design transforming from open square to smart cosmopolitan street form. • Granite and yorkstone paving designed to tie together adjoining developments. Centrick 0 Property Birmingham towards cathedral Squarez Colmore Row Seven Capital 0 O Waterloo Street 200 n. 1.5m clearance from the facade provided in the spill-out areas 4 Lava Lounge 4. 8 Chung Ying Central 35m Bar & Restaurant Sidney Mitchell 6 Raja Monkey Footway to be yorkstone / granite, flush with carriageway. Waterloo Street 2 Mixture of large to small yorkstone and granite paving with subtle banding. Adam's Victoria 3 Carriageway on Bennett's Hill to be asphalt with aggregate mix and Waterloo Street. Restaurant Square 4 Spill out seating from cafes / restaurants provided along Colmore Row and Waterloo Street. 5 Street furniture providing road demarcation, including incorporation of new cycle stands. 6 Opportunity for public art and new wayfinding. **1** HVM with drop bollard accessibility. 8 Flush kerb along Colmore Row and Waterloo Street.

9 Semi-permanent HVM measures to be used during major events.

03. CHAMBERLAIN SQUARE & EDEN PLACE







- High quality natural stone respecting historic context.
- Generous, open pedestrian feel with clear unobstructed route.
- Footway to be granite paving with feature banding.
- Rationalisation of cycle parking and bollards.
- De-cluttering of existing street furniture.
- Lighting columns retained subject to agreement.

- Granite and yorkstone paving to tie in with Paradise Development and Victoria Square proposals.
- **2** Feature paving to highlight building entrances.
- 3 HVM with drop bollard accessibility.
- 4 Existing tree retained.
- **5** Access maintained to underground car park.
- 6 Existing kerb (no change to the existing)

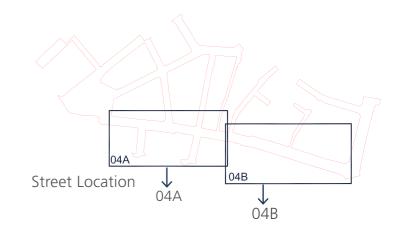


- An elegant spacious street, transforming into quieter intimate side streets either side.
- Paving palette composed of granite paving, with introduction of yorkstone to tie in with other streets in key locations.
- A simple palette of high quality materials, for durability and understated characterful design.
- Central feature path a rich mix of materials, in-ground lighting and public art.
- Simple uncomplicated natural stone pavement as link to buildings.
- Trees provide green aerial canopy to street activity below.

- 1 Footway / frontage surfacing in granite flags; detail in yorkstone to tie with surrounding areas.
- 2 Subtle central 'feature' pathway using contrasting paving to frontage surfacing.
- 3 HVM measures.
- Proposed small containerised trees.
- 5 Temple Street to Bennett's Hill loop open for occasional access.
- 6 Flushed kerb to be introduced between Bennett's Hill and Temple Street.
- 2 Existing trees crown lifted and thinned.
- 8 Metro route.
- 9 Existing feature space "Elipse"
- Central terraced 'street rooms' defined by stepped edges.
- Space provided for loading.

04B. NEW STREET, ETHEL STREET & LOWER TEMPLE STREET

- 2 Spill out seating from cafes / restaurants provided.
- 13 New cycle stands.
- 14 Decluttered and unobstructed way through for pedestrians between Birmingham New Street and Colmore Row district.

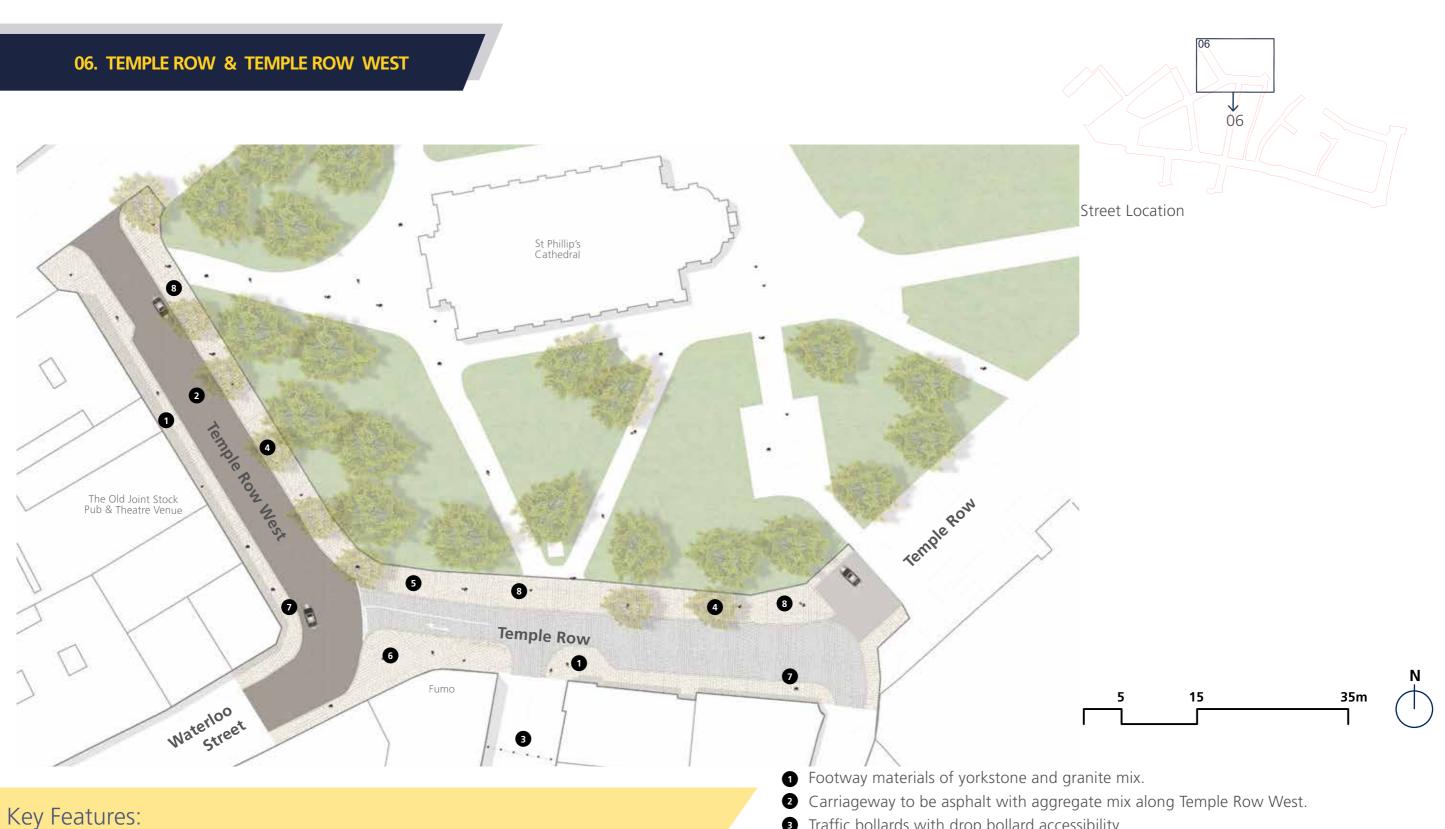






- Celebrated historic character.
- Cosmopolitan feeling, clear pedestrian route.
- Generous, clear pedestrian route.
- Cafe spill-out space for southern part of Bennett's Hill.
- Footways to be yorkstone / granite, flush with carriageway between New Street and Waterloo Street.
- Street trees in scale with street.
- Maintain existing one-way traffic flow

- 1 Footways to be yorkstone / granite, flush with carriageway on south part of Bennett's Hill.
- 2 Carriageway to be asphalt with aggregate mix.
- 3 Loading / taxi bays, flush with pavement, material pattern demarcation.
- 4 Spill-out space for cafe culture and generous pedestrian footway.
- 5 New seating and bicycle stands aligned with pedestrian flow.
- 6 Conservation cast-iron lighting columns at 20m centres.
- New tree planting / planters for greening, improving street quality.
- 8 Flush surfacing to south for improved pedestrian experience.
- 9 Hostile vehicle mitigation with drop bollard accessibility.
- Drop kerb northern section of Bennett's Hill.
- Existing surface maintained north of Waterloo Street junction.
- Flush kerb between New Street and Waterloo Street.



- Widened footways to provide more generous pedestrianised space.
 Simpler pedestrian navigation of roads with introduced one way system.
 Cosmopolitan feeling of walkable city.
 Enhance character around St Phillip's Cathedral.

- Yorkstone and granite paving mix to fit with conservation area.

- 3 Traffic bollards with drop bollard accessibility.
- 4 Retained street trees.
- 5 New lighting columns.
- 6 Opportunity for enhanced wayfinding.
- Retained motorcycle parking.
- 8 Existing yorkstone retained.



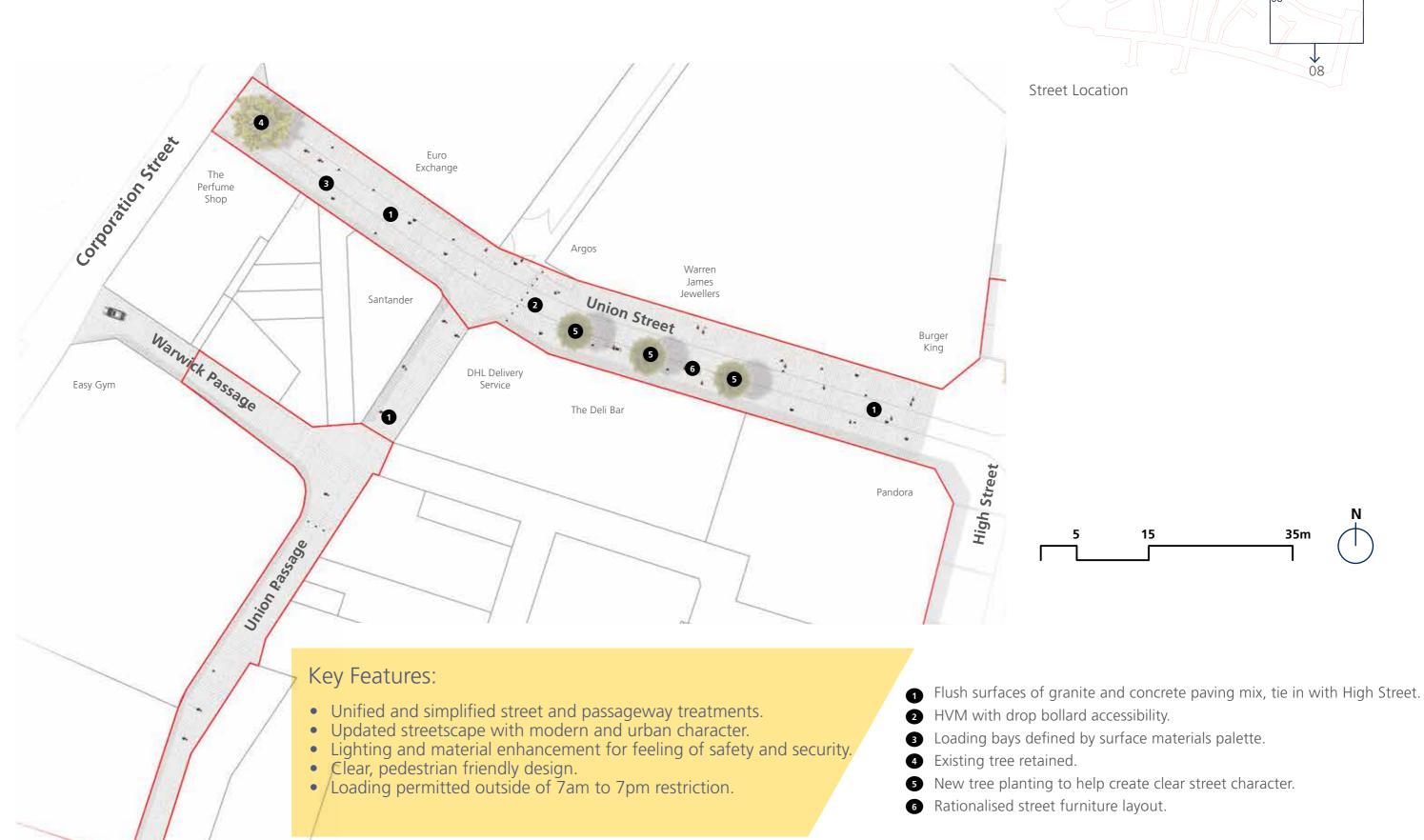




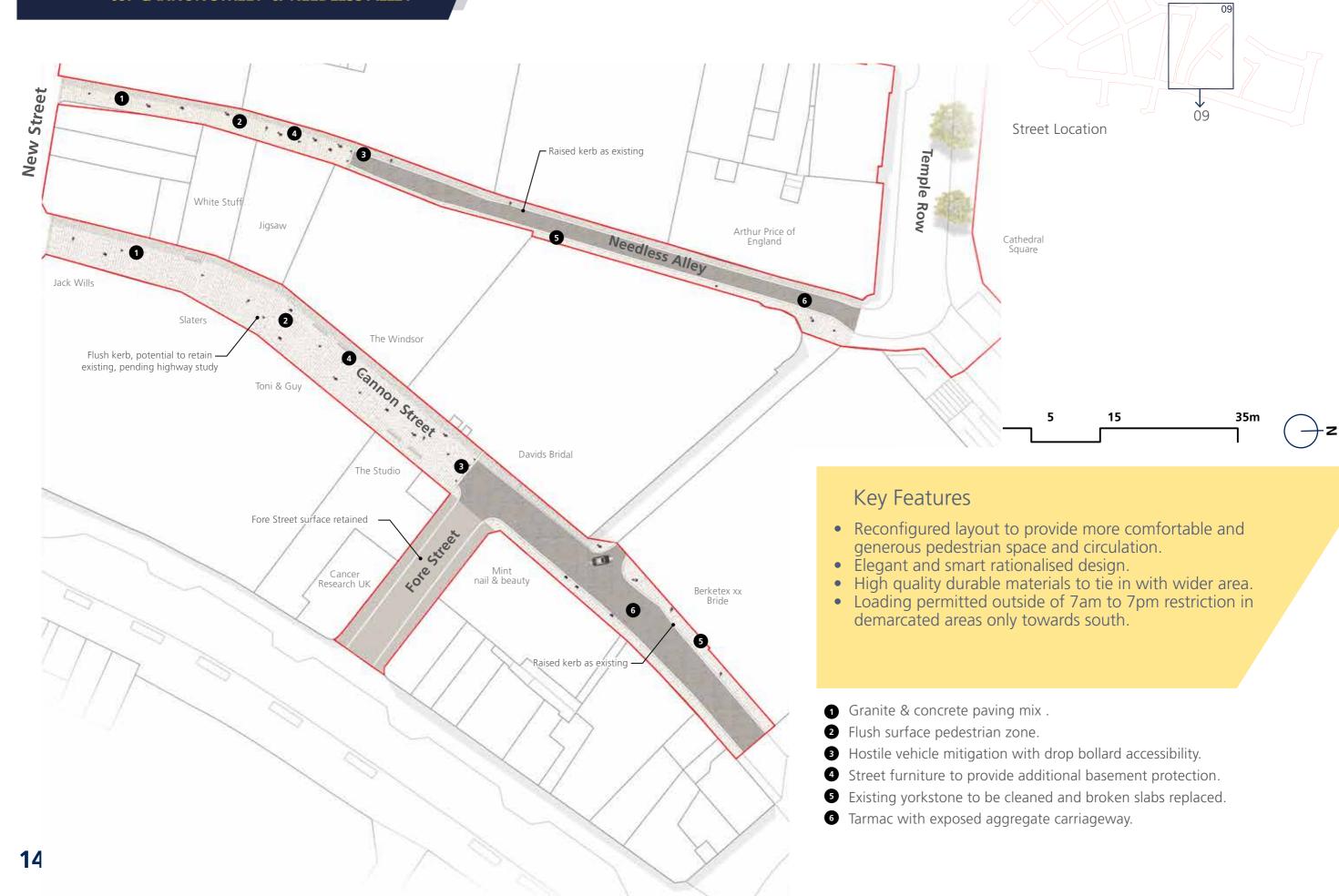
- Simplified public realm layout.
- More spacious and elegant feel.
- High quality durable materials to tie in with Bull Ring development.
 Reconfigured kerb layout to provide more comfortable pedestrian circulation.
 Loading permitted outside of 7am to 7pm.
- Pedestrian feel with flush access and subtle demarcation via material palette/street furniture.

- 1 Granite material tie in with Bull Ring development surfacing.
- 2 Reconfigured kerb layout with defined loading bays.
- 3 Flush surfaces to retain pedestrianised feel.
- 4 Opportunity for extension of wayfinding information.
- 5 New tree planting proposed to improve quality of the public realm.
- 6 Existing trees retained, layout rationalised with new tree planting.
- 1 Hostile vehicle mitigation with drop bollard accessibility, or opportunity for HVM planters.
- 8 Rationalised street furniture layout.

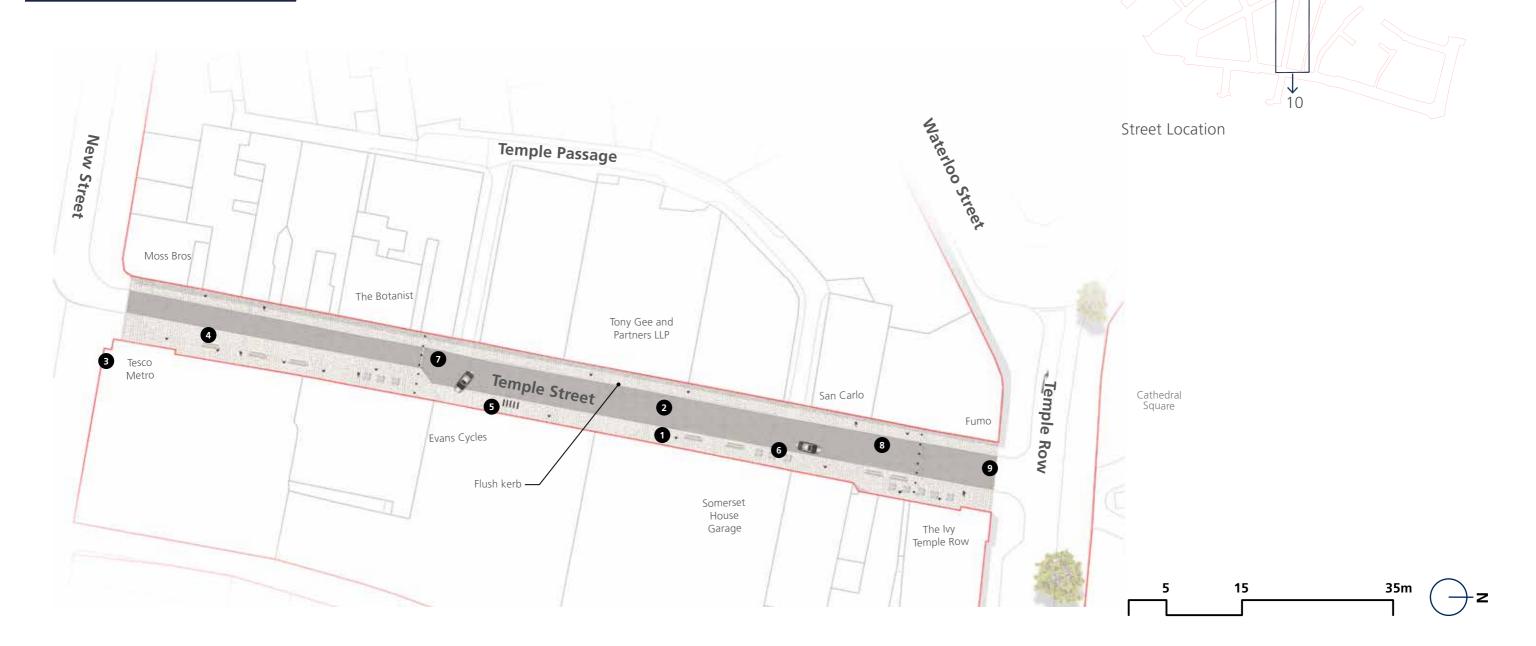
08. UNION STREET, UNION PASSAGE & WARWICK PASSAGE



09. CANNON STREET & NEEDLESS ALLEY



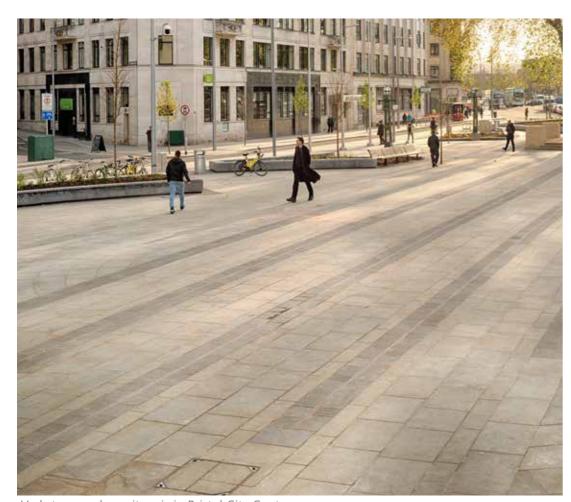
10. TEMPLE STREET



- Celebrated historic character.
- Pedestrian feel with flush access and subtle demarcation via material palette/street furniture.
- Simple understated quality, with footway of yorkstone and granite mix.
- Carriageway to be asphalt with aggregate mix.
- Loading permitted outside of 7am to 7pm restriction.

- Footways in yorkstone and granite flags.
- 2 Carriageway to be asphalt with aggregate mix.
- 3 Existing building mounted public art to be referenced with accompanying information about the sculpture.
- 4 Existing loading bay retained and reconfigured to provide greater space at intersection, defined by material palette.
- **5** Cycle stands to be provided in the vicinity of cycling stores.
- **6** Existing taxi bay relocated to nearby Temple Row.
- HVM with drop bollard accessibility.
- 8 Flush street level, on upper section of Temple Street to become part of two way flow of traffic during unrestricted times.
- **9** Traffic bollards with drop bollard accessibility.

11.1 NATURAL STONE - YORKSTONE



Yorkstone and granite mix in Bristol City Centre.



Yorkstone and granite mix in Bristol City Centre.



Yorkstone and granite mix in buff colours.



Yorkstone and granite mix at the pavement/carriageway interface.



Visualisation of New Street.

11.2 NATURAL STONE - GRANITE



Granite paving in buff shades.



Granite and yorkstone interface.





Granite paving with variety of sizes deliniate different functions. Brighton.



Granite colour variants.

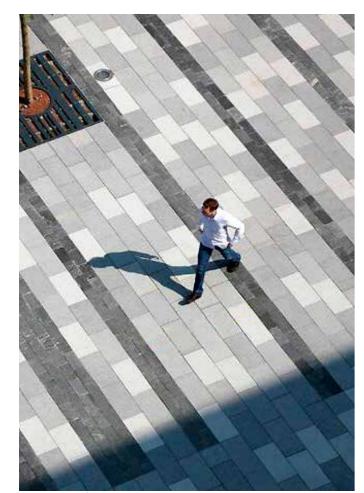






Mariahilfer Strasse - Vienna longest and busiest shopping street.

11.3 CONCRETE PAVING



Example of creative paving patterns and mixes.



Combined concrete block and flag textured paving.

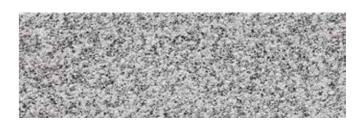




Wide variety of slab sizes.



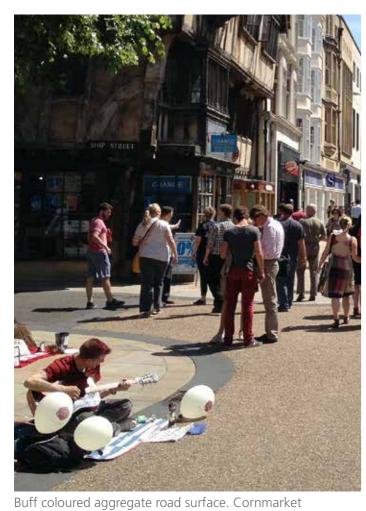






Colour variants.

11.4 CARRIAGEWAY



Street, Oxford.





Demarcation studs for cycleway.





Granite kerb.

11.5 STREET FURNITURE



Timber contemporary benches.



Stone furniture could support HVM provision.



Stone and timber linear benches/ditting walls.

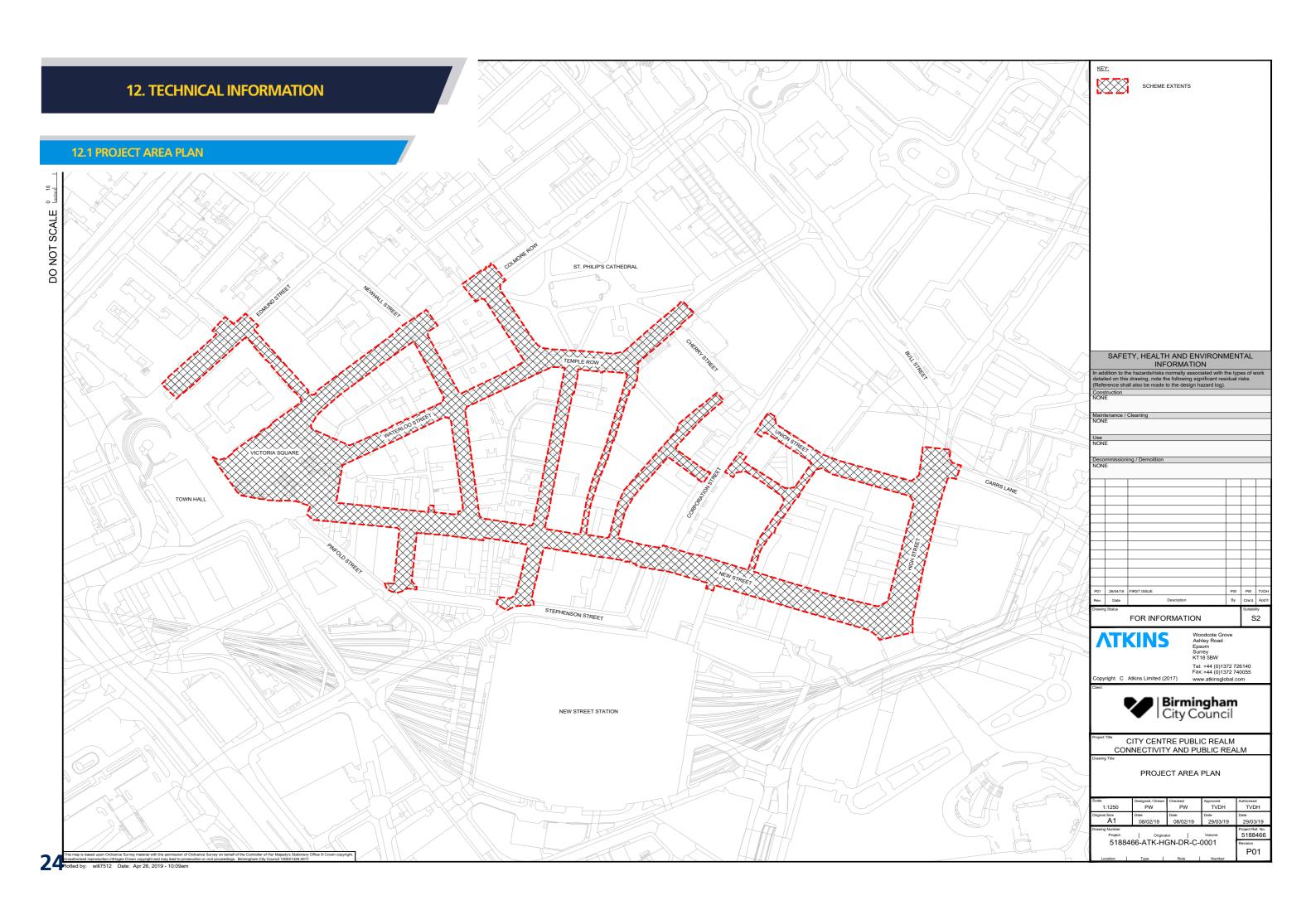


Urban chairs.



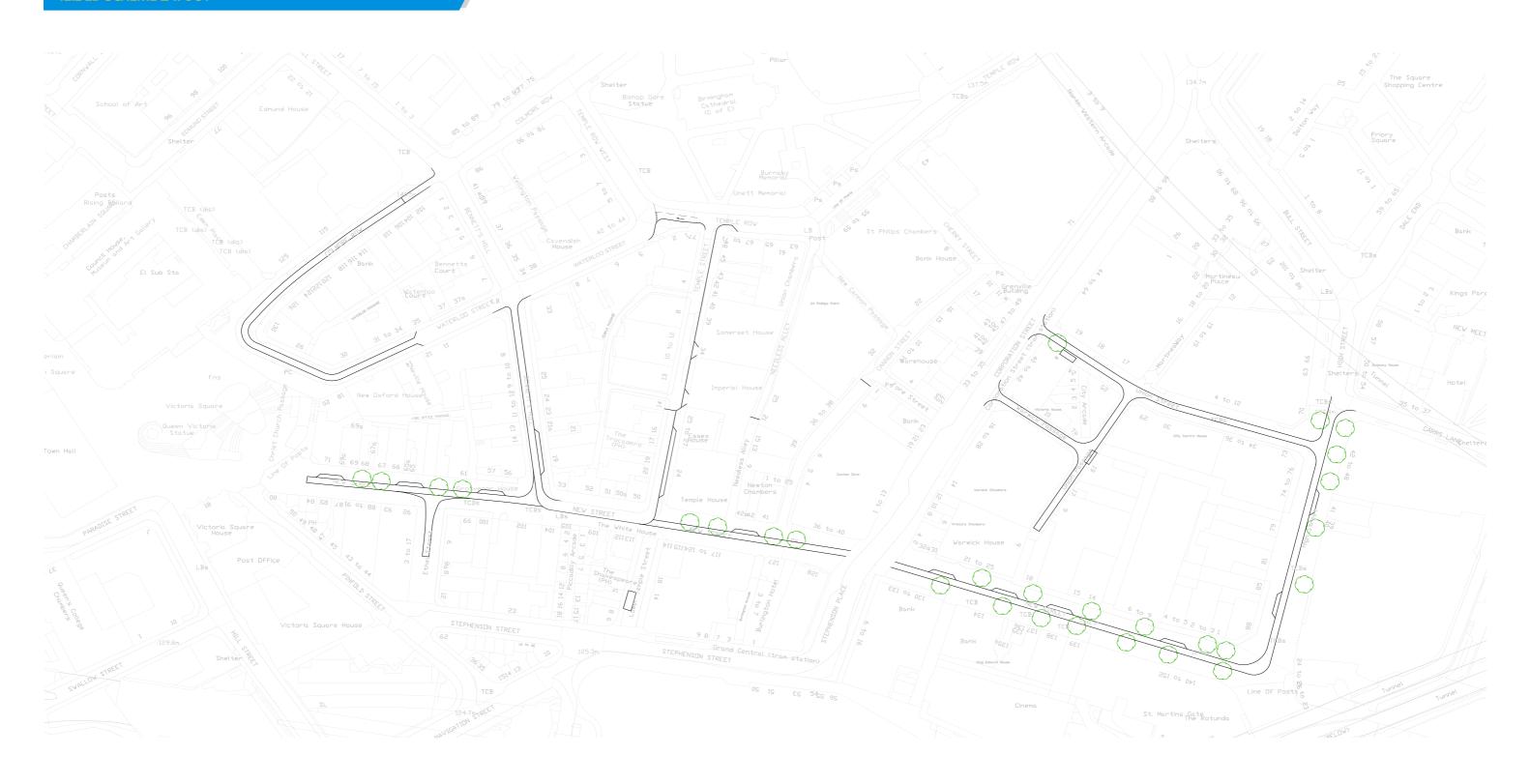


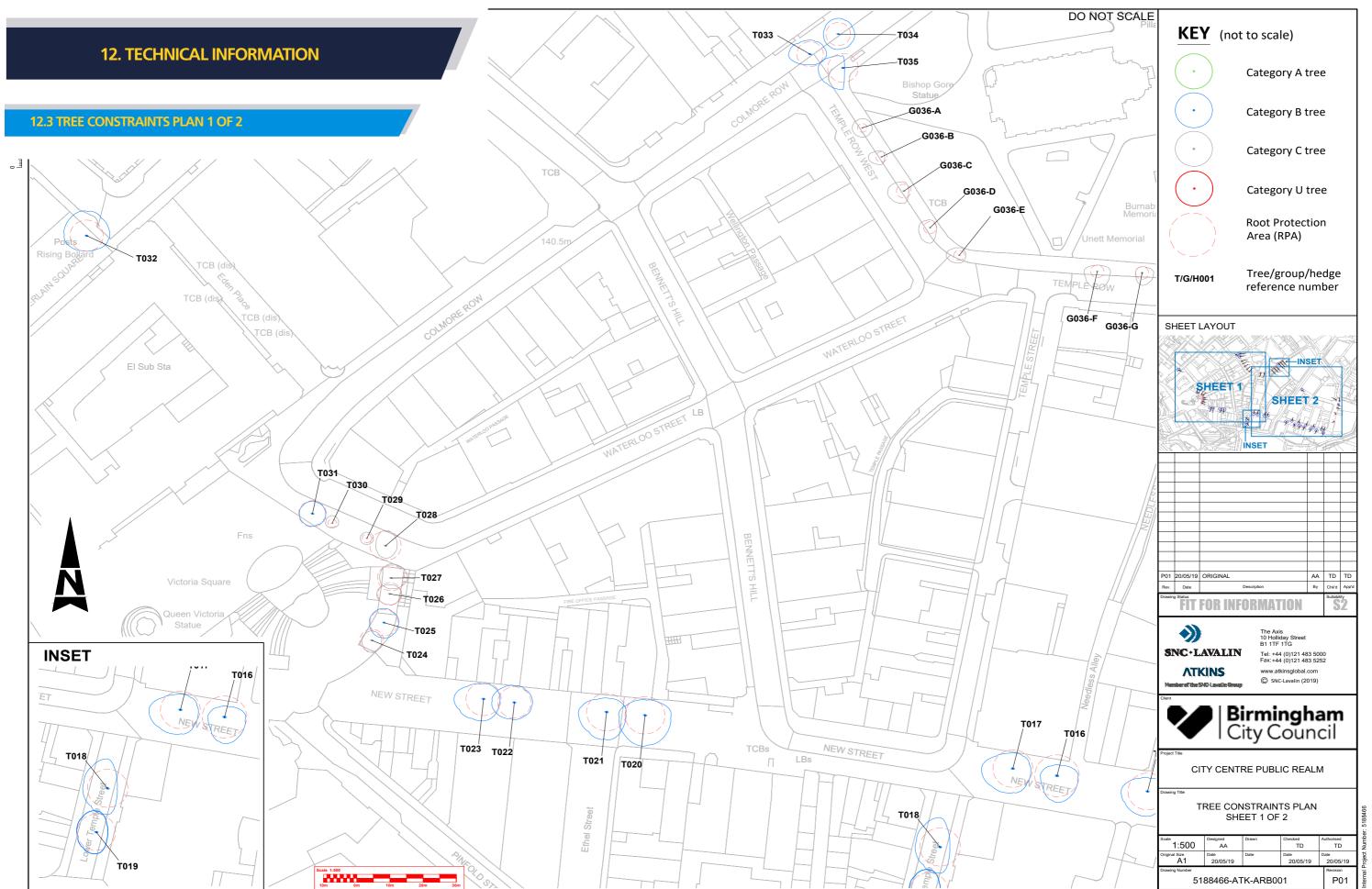
Bespoke, contemporary street furniture units.



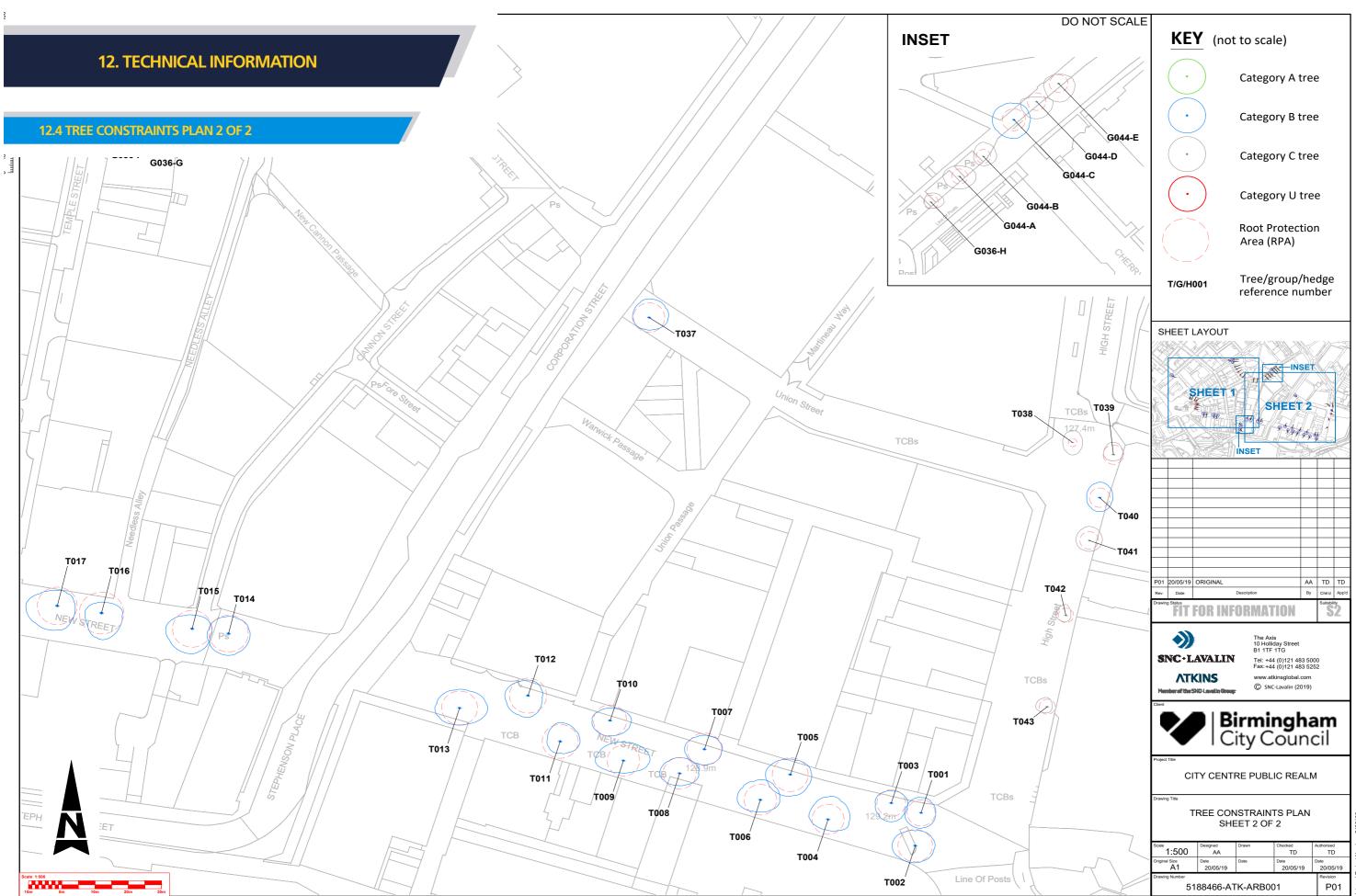
12. TECHNICAL INFORMATION

12.2 2D SCHEME LAYOUT



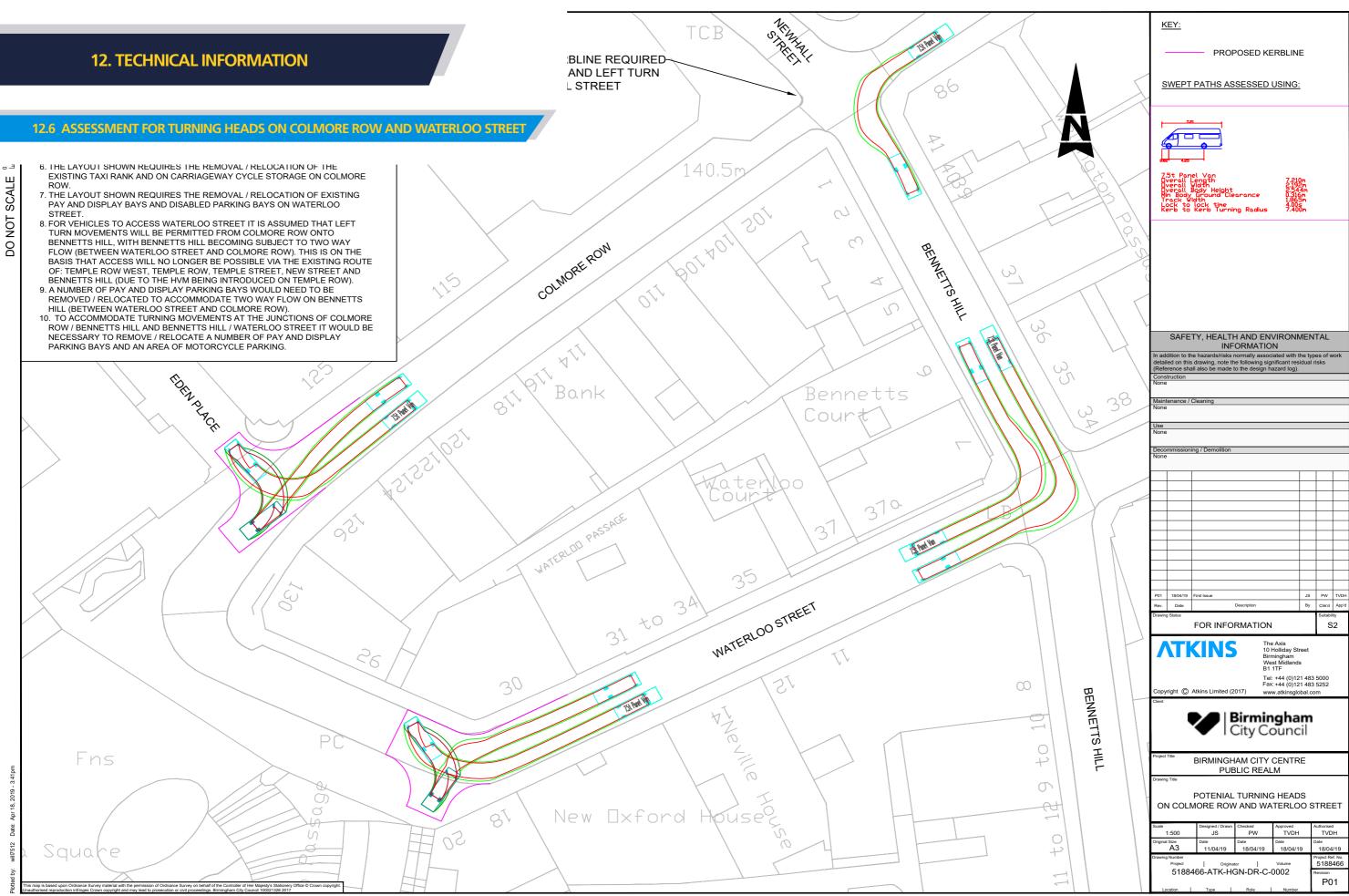


CLASSIFICATION - Base Line (Low Risk)



12. TECHNICAL INFORMATION







12. TECHNICAL INFORMATION 12.8 OVERVIEW OF TOPOGRAPHICAL SURVEY Birmingham City Centre B2 5BN 24736_T



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8C	407052.892	287012.448	137.67
TNG TNH	406882.691 406821.389	287028.282 286995.367	139.53
TNH1	406725.026	286916.122	139.14
TNH2	406761.626	286887.482	138.63

Buildings	Overhead Cable	10	Inspection chamber	Bo	Bollard
Well	Concrete edge	Pine	Pipe invest	10	Burninated bollard
Kerb line	Tarmac edge	Gy	Gully	Din	Rubbish bin
Line marking	Grass verge	Bg	Back guily	Vp	Vent pipe
Drop kerb	Canopy/Overhang	Dp	Down pipe	Gri	Ground light
Centre line	Verge	Pipe	Pipe above ground	Lbox	Letterbox
Top of bank	Bottom of bank	884	Manhole	Strip	Tree Stump
. 1	Station and Name	WL.	Water level	Stry	Stile
100.000	Station Level	B	Flood light	IFL	Internal floor level
A		Lp	Lamp post	THE	Threshold level
⊕o₃	Tree / Bush / Sapling	Tp	Telegraph post	Sp	Sign post
	Area of Undergrowth	Ep	Electricity post	TH	Trisihole
^ _		Ti	Traffic light	DH	Dorehole
യം	Woodland	Dus	Bus stop	ELC	Dectric
R:	Ridge Level	Sv	Stop valve	BT	British Telecom
E:	Eaves Level	21	Stop tap	CEX	Control box
FI.	Flat Roof Level	Er	Earth rod	TT	Tactio
\sim	Gate	Wn	Water meter	BP	Brick paved
Fence type		Gas	Gas valve	CPS	Concrete paving stat
10	Interwoven	Au	Air valve	CVR	Cover
	Iron Railings	ICU	Unidentified Inspection	R/wall	Betaining wall
WM	Wire Mesh	Wo	Wash out	TWL	Top of Wall Level
PIR	Post & Rail	Re	Rodding eye	TCL	Tree canopy level
PW	Doet & Wine	00	Belisha beacon	G:	Girth
OL	Chain Link	CTV	Cable tv	MG	Multi girth
WP	Wooden Danals	Mkr	Marker post	IC	Inspection chamber
OB		Gmkr	Gas marker post	CL:	Cover level
	Close Boarded	So	Softs	E:	Invertieval
SIP	Steel Palicade	Fb	Fire hydrant	UTL	Unable to lift

greenhatch -

Atkins Limite

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