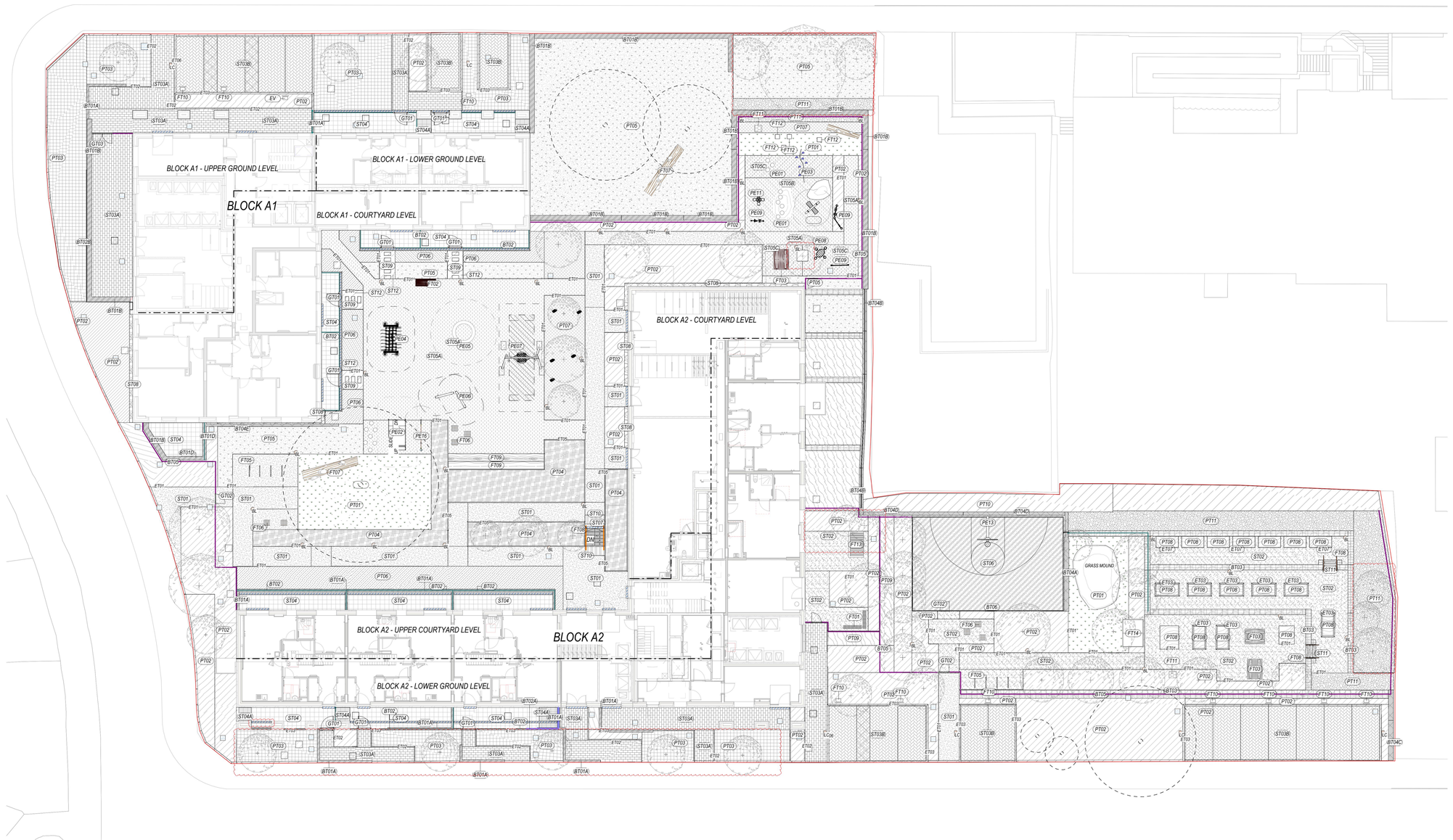


LEGEND

SITE BOUNDARY

SURFACES

NOTE: FOR LANDSCAPE LEGEND REFEER TO SHEET CHIPP-EXA-ZZ-00-DR-L-0200

- ST01 [02/3225A] SURFACE TYPE 01 - PERMEABLE RESIN BOUND GRAVEL
- ST02 [02/3160A] SURFACE TYPE 02 - HOGGIN SELF BINDING GRAVEL
- ST03A [02/4115A] SURFACE TYPE 03A - PERMEABLE CONCRETE BLOCK PAVING TO MAIN PEDESTRIAN PATHS AND [02/4115A] ST03B TO PARKING BAYS NOTE: HATCH TO PARKING BAYS MARKS DISABLED PARKING BAYS
- ST04 [02/5115B] SURFACE TYPE 04 - FLAG CONCRETE PAVING TO PRIVATE TERRACES; [02/5115B] SURFACE TYPE 04A CONCRETE PAVING FOR BIN AREA
- ST05A [02/6290A] SURFACE TYPE 05A/B/C - COLOURED RUBBER MULCH TO PLAY SPACES. SEE LANDSCAPE NBS FOR COLOURS
- ST06 [02/6290B] SURFACE TYPE 06 - WETPOUR SURFACE FOR SPORTS COURT
- ST07 [L37/110A] SURFACE TYPE 07 - STEPS WITH PAVING AND RISER UNITS
- ST08 [02/3216B] SURFACE TYPE 08 - GRAVEL FOR MAINTENANCE STRIP
- ST09 [02/4/110B] SURFACE TYPE 09 - STEPPING FLAGS TO PRIVATE TERRACES
- ST10 [02/5/220] SURFACE TYPE 10 - CORDUROY TACTILE PAVING TO STEPS
- ST11 [L73/110B] SURFACE TYPE 11 - SLEEPER STEPS TO COMMUNITY GARDEN
- ST12 [02/6/310A] SURFACE TYPE 12 - ORNAMENTAL MULCH

FURNITURE TYPES

- FT01 [02/0220A] FURNITURE TYPE 01 - TIMBER BENCH
- FT02 [02/0220B] FURNITURE TYPE 02 - BENCH WITH BACKREST
- FT03 [02/0225A] FURNITURE TYPE 03 - PICNIC TABLE AND BENCHES
- FT04 [02/0225C] FURNITURE TYPE 04 - LARGE HAMMOCK
- FT05 [02/0221 A] FURNITURE TYPE 05 - SHEFFIELD CYCLE STAND
- FT06 [02/0225B] FURNITURE TYPE 06 - TIMBER CUBE SEATS
- FT07 [02/0/350B] TREE TRUNK AS INVERTEBRATE HOTEL - FELLED OAK TREE T17
- FT08 FURNITURE TYPE 08- STEEL HANDRAIL TO STAIRS
- FT09 [02/0/225D] FURNITURE TYPE 09- TIMBER BLEACHER SEAT
- FT10 [02/0/220] FURNITURE TYPE 10 - EV CHARGING POINT WITH VEHICLE IMPACT GUARD - EV PRODUCT AND PROTECTION RAIL SPECIFICATION TO M&E ENGINEER
- FT11 [02/0/350] FURNITURE TYPE 11 -BUG HOTEL
- FT12 [02/0/225E] FURNITURE TYPE 12- CHILDREN'S TIMBER CUBE SEAT
- FT13 [02/0/ 490A] FURNITURE TYPE 13 - SMOKING SHED
- FT14 [02/0/ 490B] FURNITURE TYPE 14 - POTTING SHED
- FT15 [B91/ 370 A] FURNITURE TYPE 15 - TIMBER PERGOLA. INDIVIDUAL FRAME SUPPLIER: WOODSCAPE OR SIM. APPROVED

PLAY ELEMENTS

- [02/0/ 320B] PE01 - STEPPING LOGS
- [02/0/ 326A] PE02 - METAL SLIDE
- [02/0/ 330A] PE03 - CLIMBING ROPE AND POLE
- [02/0/ 320C] PE04 - CLIMBING NET
- [02/0/ 320D] PE05 - SUPERNOVA
- [02/0/ 320A] PE06 - BALANCING BEAMS
- [02/0/ 440A] PE07 - NET SWING
- [02/0/ 355] PE08 - KIDS TABLE WITH STOOLS
- [02/0/ 350A] PE09 - SENSORY PANEL
- [02/0/ 390A] PE10 - BUTTERFLY SEASAW
- [02/0/ 390B] PE11 - FOUR PERSON SPRING
- [02/0/ 320E] PE12 - BALANCE POSTS WITH ROPE
- [02/0/ 520A] PE13 - BASKETBALL HOOP. WARNING SIGN TO BE FIXED TO BASKETBALL HOOP AS CLAUSE [N91/1108]
- [02/0/ 330C] PE14 - LARGE CLIMBING FRAME
- [02/0/ 324A] PE15 - SPINNER PLATE
- [02/0/ 320B] PE16 - CLIMBER ROPE
- [02/0/ 320F] PE17 - BALANCE COMBINATION
- [02/0/ 320G] PE18 - BALANCE POSTS
- [02/0/ 350B] PE19 - SENSORY PANEL DOUBLE
- [02/0/ 350C] PE20 - CHALK BOARD
- [02/0/ 350D] PE21 - BOULDERS
- [02/0/ 326B] PE22 - EMBANKMENT SLIDE 0.5M WIDE
- [02/0/ 390C] PE23 - SEASAW WITH SPRINGS

EDGE TYPES

- ET01 [0/10/ 110A] EDGE TYPE 01 - METAL EDGE FLUSH
- ET02 [0/10/ 110B] EDGE TYPE 02 - PINKERB FLUSH CONCRETE EDGE
- ET03 [0/10/ 110C] EDGE TYPE 03 - RAISED VEHICLE EDGE
- ET04 [0/10/ 200A] EDGE TYPE 04 - 150X200MM TIMBER SLEEPER STEPPING PLANK
- ET05 [0/21/294] EDGE TYPE 05 - STEEL PLANTER - UP TO 600MM HIGH
- ET06 [0/10/ 110D] EDGE TYPE 06 - VEHICLE EDGE LAID FLUSH
- ET07 [0/21/294B] EDGE TYPE 07 - STEEL PLANTER - 1100MM HIGH
- ET08 [0/31/296] EDGE TYPE 08 - RAISED SLEEPER PLANT CONTAINER

BOUNDARY TYPES

- BT01A [F10/110A] BOUNDARY TYPE 01A - 215MM WIDE MASONRY RETAINING WALL
- BT01B [F10/110B] BOUNDARY TYPE 01B - 225 MM WIDE RC RETAINING WALL WITH BRICK CLADDING ON BOTH ELEVATIONS (EVL WALL TYPE REFERENCE: RWA01/03)
- BT01C [F10/110C] BOUNDARY TYPE 01C - RC RETAINING WALL WITH BRICK CLADDING ON EXTERNAL ELEVATION (EVL WALL TYPE REFERENCE: RWA02)
- BT01D [F10/110D] BOUNDARY TYPE 01D - 225 MM WIDE RC RETAINING WALL WITH BRICK CLADDING ON INTERNAL ELEVATION (EVL WALL TYPE REFERENCE: RWA04)
- BT02 [0/40/220] BOUNDARY TYPE 02 - 1200MM HIGH RAILING
- BT02A [0/40/220A] BOUNDARY TYPE 02 - 1200MM HIGH RAILING WITH STEEL SHEET
- BT03 [0/43/310A/B/C] BOUNDARY TYPE 03 - GABION RETAINING WALL
- BT04A [F10/110E] BOUNDARY TYPE 04A - 300MM WIDE CONCRETE RETAINING WALL - BRICK CLAD ON EXTERIOR ELEVATION (EVL WALL TYPE REFERENCE: RWA06)
- BT04B [F10/110E] BOUNDARY TYPE 04B - CONCRETE RETAINING WALL - CONCRETE FINISH (EVL WALL TYPE REFERENCE: RWA05)
- BT04C [F10/110F] BOUNDARY TYPE 04C - 300MM WIDE CONCRETE RETAINING WALL - BRICK CLAD ON BOTH ELEVATIONS (EVL WALL TYPE REFERENCE: RWA07)
- BT04D [F10/110G] BOUNDARY TYPE 04D - 300MM WIDE CONCRETE RETAINING WALL - CONCRETE FINISH (EVL WALL TYPE REFERENCE: RWA06)
- BT04E [F10/110H] BOUNDARY TYPE 04F - 225MM WIDE CONCRETE RETAINING WALL - CONCRETE FINISH (EVL WALL TYPE REFERENCE: RWA04)
- BT05 [0/40/125A] BOUNDARY TYPE 05 - 2030MM HIGH STEEL FENCE
- BT06 [0/40/125B] BOUNDARY TYPE 06 - 3000MM HIGH BASKETBALL FENCE
- GT01 [0/40/510A] GATE TYPE 01 - 1100MM HIGH SINGLE GATE TO PRIVATE TERRACES
- GT02 [0/40/510B] GATE TYPE 02 - 2138MM HIGH SINGLE GATE ACCESS CONTROL GATE (EXCLUDING MAINTENANCE GATES) - ACCESS AS SPECIFIED BY MEP CONSULTANT
- GT03 [0/40/125A] GATE TYPE 03 - 2138MM HIGH DOUBLE GATE ACCESS CONTROL GATE - ACCESS AS SPECIFIED BY MEP CONSULTANT

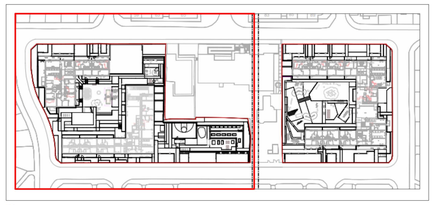
NOTE: RETAINING WALL CONCRETE SIZE SHOWN IN EXA LEGEND REFERS TO TOP OF RC WIDTH. CONCRETE SIZE INCREASES BELOW GROUND. REFER TO STRUCTURAL ENGINEERS EXTERNAL WALL DETAILS - SERIES 21

SOFT LANDSCAPE

- PROPOSED TREE PLANTING
- EXISTING TREE TO BE RETAINED
- PT01 - PROPOSED SPECIES RICH LAWN
- PT02 - IN-GROUND PERENNIAL PLANTING
- PT03 - PROPOSED RAIN GARDEN MIX
- PT04 - PERENNIAL PLANTING IN STEEL RAISED PLANTERS
- PT05 - PROPOSED WILDFLOWER LAWN
- PT06 - DEFENSIBLE PLANTING
- PT07 - LONG GRASS PLANTING
- PT08 - COMMUNITY GARDEN -COMMUNAL RAISED GROWING BEDS
- PT09 - SCRUB MIX
- PT10 - EXISTING PLANTING ENCHANCED
- PT11- NATIVE HEDGE
- PT12- GREEN ROOF ON TOP OF A SMOKING SHED

MEP AND CIVILS

- MANHOLE - SITE UTILITIES REFER TO MHT DRAWING NUMBER CHIPP-MHT-ZZ-ZZ-DR-MEP-50005
- MANHOLE - SITE DRAINAGE REFER TO EVL DRAWING NUMBER CHIPP-EVL-ZA-XX-DR-C-520001 AND CHIPP-EVL-ZA-XX-DR-C-520101
- ACO DRAIN REFER TO EVL DRAWING NUMBER CHIPP-EVL-ZA-XX-DR-C-520001 AND CHIPP-EVL-ZA-XX-DR-C-520101
- BL LIGHTING LC - LIGHTING COLUMN BL - LIGHTING BOLLARD
- REFER TO MHT DRAWING NUMBER CHIPP-MHT-ZZ-ZZ-DR-MEP-50005



LOCATION PLAN

0m 4m 8m 12m 16m 20m

VISUAL SCALE 1:200 @ A1

No dimensions are to be scaled from this drawing.
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Client:
London Borough of Havering and Wates Residential LLP

NOTES:

COORDINATION WITH MHT FOR SERVICE ROUTES AND COVER LOCATIONS WILL CONTINUE INTO STAGE 4B. MANHOLE COVER CLASHES BUBBLED IN BLUE ON THE DRAWING.

ONGOING SUDS COORDINATION WITH EVL WILL ALSO BE CARRIED FORWARD DURING THIS STAGE. FINAL POSITIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION ISSUE.

HARD SURFACE HATCH IS INDICATIVE ONLY. FOR HARDSCAPE SETTING OUT PLEASE REFER TO SETTING OUT DRAWINGS SERIES 97

REFER TO PREVIOUS DRAWING REVISIONS IN THE DOCUMENT NUMBERED 2347-EXA-ZZ-ZZ-DR-L-00101 FOR EARLIER DESIGN ITERATIONS.

4A P08 REVISION NOTE:
- OAK TREE ADDED AS REPLACEMENT FOR REMOVED TREE 17
- CHANNEL DRAINS ADDED TO DOOR THRESHOLDS
- CHANNEL DRAIN ADDED TO BOTTOM OF STEPS
- GRAPHIC UPDATES
- LEGEND ADDED TO SHEET
- TREE LOCATIONS UPDATED IN LINE WITH DRAINAGE COORDINATION
- GENERATOR PLANT REPLACEMENT ROUTE UPDATED

Rev	Description	Date
P11	STAGE 4B - COORDINATION UPDATES. UPDATES IN LINE WITH COMMENTS.	17.07.2026
P10	STAGE 4A - UPDATE	28.11.2025
P09	STAGE 4A - UPDATE TO STEPS MATERIALITY. HANDRAILS ADDED.	09.09.2025
P08	STAGE 4a ISSUE	01.08.2025
P07	STAGE 4 DRAFT	13.05.2025
P06	STAGE 3 ISSUE	07.02.2025
P05	DRAFT ISSUE	17.01.2025
P04	Draft Issue	06.12.2024

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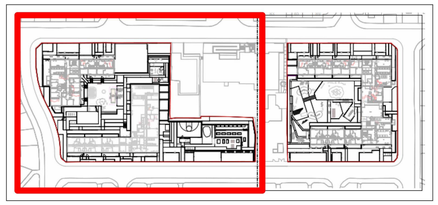
Project Title:
Chippenham Road, Havering

Drawing Title:
LANDSCAPE GENERAL ARRANGEMENT PLAN - SITE A

Issued By:	London	Tel:	02079782101
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Status:	S3	Checked:	TOD
Date:	08/11/2024	Approved:	SM

Drawing Number: CHIPP-EXA-ZA-00-DR-L-0202

Revision: P11



LOCATION PLAN

NOTES:

AS PART OF STAGE 4 DESIGN DEVELOPMENT, EXA CONDUCTED AN INTERNAL PLANTING REVIEW. KEY POINTS THAT HAVE BEEN INCORPORATED FOLLOWING THE REVIEW:

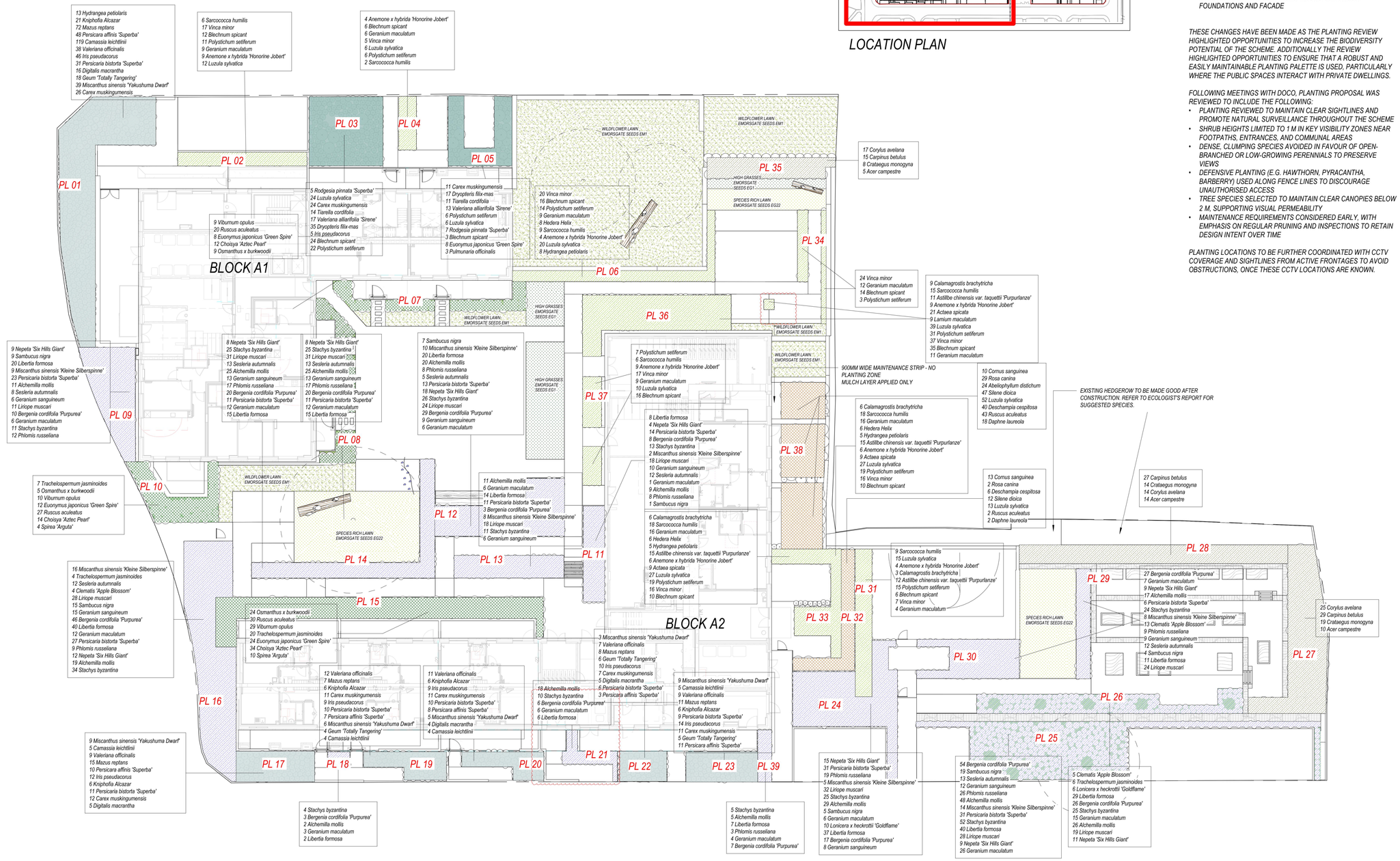
- REVIEW AND UPDATE TO ROBUST DEFENSIBLE PLANTING
- ADDITIONAL EVERGREEN SPECIES INCLUDED IN THE MIXES TO PROVIDE MORE WINTER INTEREST
- ADDITIONAL CLIMBING PLANTS ADDED TO THE SCHEME
- TREE SPECIES REVIEWED WHEN CLOSE TO BUILDING FOUNDATIONS AND FACADE

THESE CHANGES HAVE BEEN MADE AS THE PLANTING REVIEW HIGHLIGHTED OPPORTUNITIES TO INCREASE THE BIODIVERSITY POTENTIAL OF THE SCHEME. ADDITIONALLY THE REVIEW HIGHLIGHTED OPPORTUNITIES TO ENSURE THAT A ROBUST AND EASILY MAINTAINABLE PLANTING PALETTE IS USED, PARTICULARLY WHERE THE PUBLIC SPACES INTERACT WITH PRIVATE DWELLINGS.

FOLLOWING MEETINGS WITH DOCO, PLANTING PROPOSAL WAS REVIEWED TO INCLUDE THE FOLLOWING:

- PLANTING REVIEWED TO MAINTAIN CLEAR SIGHTLINES AND PROMOTE NATURAL SURVEILLANCE THROUGHOUT THE SCHEME
- SHRUB HEIGHTS LIMITED TO 1 M IN KEY VISIBILITY ZONES NEAR FOOTPATHS, ENTRANCES, AND COMMUNAL AREAS
- DENSE, CLUMPING SPECIES AVOIDED IN FAVOUR OF OPEN-BRANCHED OR LOW-GROWING PERENNIALS TO PRESERVE VIEWS
- DEFENSIVE PLANTING (E.G. HAWTHORN, PYRACANTHA, BARBERRY) USED ALONG FENCE LINES TO DISCOURAGE UNAUTHORISED ACCESS
- TREE SPECIES SELECTED TO MAINTAIN CLEAR CANOPIES BELOW 2 M, SUPPORTING VISUAL PERMEABILITY
- MAINTENANCE REQUIREMENTS CONSIDERED EARLY, WITH EMPHASIS ON REGULAR PRUNING AND INSPECTIONS TO REDUCE DESIGN INTENT OVER TIME

PLANTING LOCATIONS TO BE FURTHER COORDINATED WITH CCTV COVERAGE AND SIGHTLINES FROM ACTIVE FRONTAGES TO AVOID OBSTRUCTIONS, ONCE THESE CCTV LOCATIONS ARE KNOWN.



0m 5m 10m 15m 20m 25m

VISUAL SCALE 1:250 @ A1

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Client:
London Borough of Havering and Wates Residential LLP

TREES

EXISTING TREES TO BE RETAINED

FOR PROPOSED TREES SEE DRAWING CHIPP-EXA-ZZ-ZA-DR-L-9503 AND CHIPP-EXA-ZZ-ZA-DR-L-9503

PL 01 — PLANTER NUMBER. FOR DETAIL PLANTING ARRANGEMENTS REFER TO DETAIL PLANTING PLANS CHIPP-EXA-ZZ-ZA-DR-L-9505 TO CHIPP-EXA-ZZ-ZB-DR-L-9525

PLANTING

SPECIES RICH LAWN WTF SPECIES-RICH-26

HIGH GRASSES PLANTING LOW-GROW-BIO

WILDFLOWER TURF LAWN WFT-NATIVE ENRICHED

DEFENSIBLE PLANTING

NATIVE HEDGEROW

RAINGARDEN PLANTING-SHADE

RAINGARDEN PLANTING - SUN/SHADE

SCRUB MIX

PERENNIAL PLANTING - SHADE

PERENNIAL PLANTING - SUN

Rev	Description	Date
P09	STAGE 4B - MINOR UPDATES DUE TO SERVICES COORDINATION	17.07.2026
P08	STAGE 4A - PLANTING UPDATE	09.04.2026
P07	STAGE 4A - PLANTING ADJUSTED TO REFLECT GA LAYOUT CHANGES. UPDATES MADE FOLLOWING SBD COMMENTS AND INTERNAL PLANTING REVIEWS. REFER TO NOTE ON SHEET.	01.08.2025
P06	STAGE 4 DRAFT	23.05.2025
P05	STAGE 3 ISSUE	07.02.2025
P04	DRAFT ISSUE	10.01.2025

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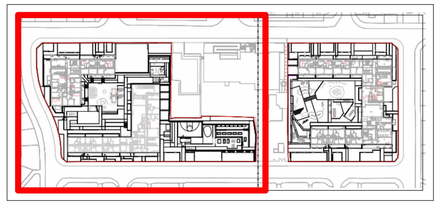
Project Title:
Chippenham Road, Havering

Drawing Title:
PLANTING PLAN SITE A

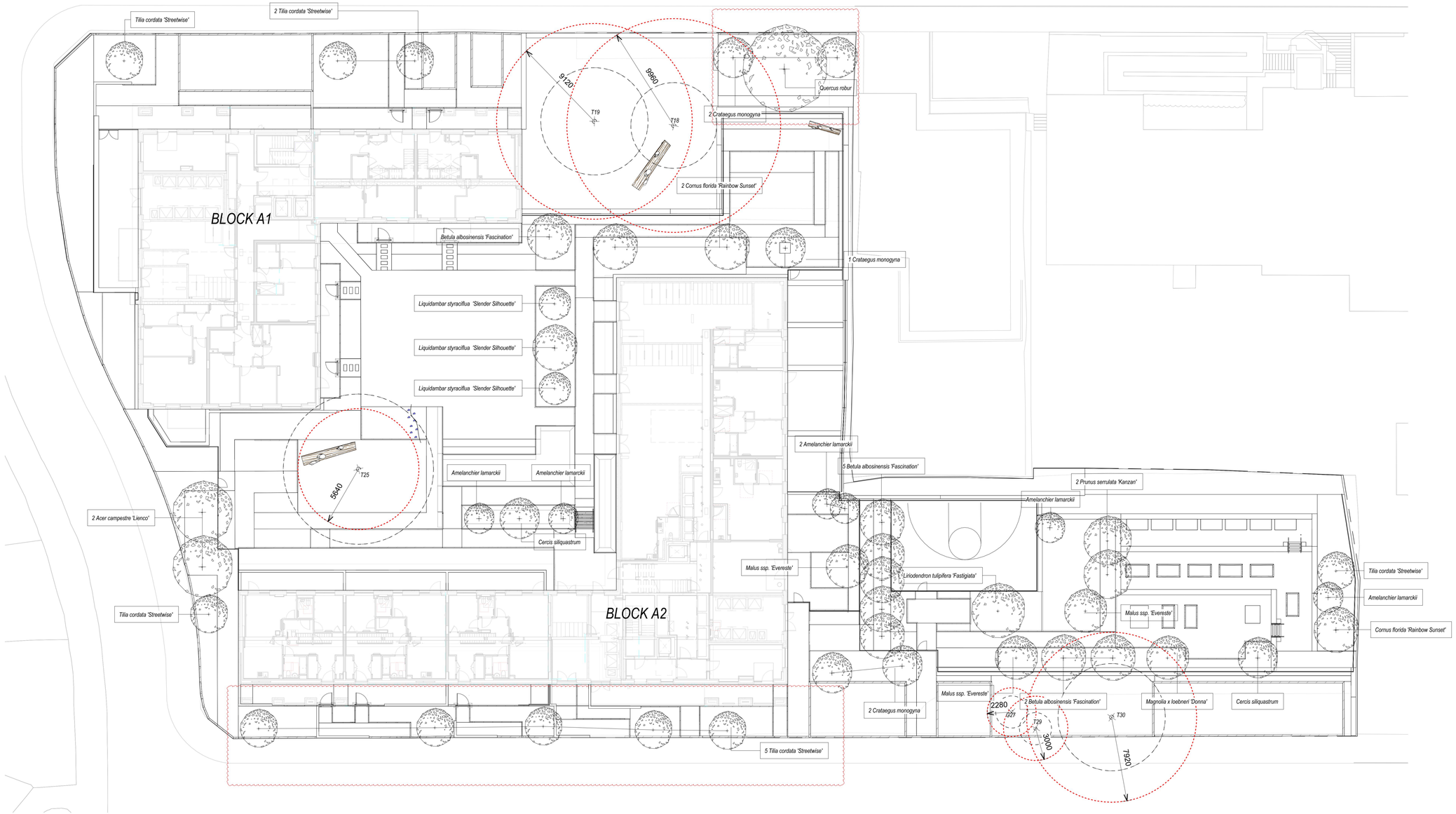
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Status:	*S3*	*Checked:*	*TOD*
Date:	*14.08.2024*	*Approved:*	*SM*

Drawing Number: *CHIPP-EXA-ZA-00-DR-L-9501*

Revision: *P09*



LOCATION PLAN



0m 5m 10m 15m 20m 25m

VISUAL SCALE 1:250 @ A1

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Client:
London Borough of Havering and Wates Residential LLP

LEGEND

ROOT PROTECTION ZONE - SIZE SHOWN AS PER TREE CONSTRAINTS PLAN DRAWING NUMBER TC 10932 REV 2, BY CROWN ARBORICULTURAL CONSULTANTS

EXISTING TREES TO BE RETAINED

PROPOSED TREE

NOTES:

AS PART OF STAGE 4 DESIGN DEVELOPMENT, EXA CONDUCTED AN INTERNAL PLANTING REVIEW. KEY POINTS THAT HAVE BEEN INCORPORATED FOLLOWING THE REVIEW:

- *REVIEW AND UPDATE TO ROBUST DEFENSIBLE PLANTING*
- *ADDITIONAL EVERGREEN SPECIES INCLUDED IN THE MIXES TO PROVIDE MORE WINTER INTEREST*
- *ADDITIONAL CLIMBING PLANTS ADDED TO THE SCHEME*
- *TREE SPECIES REVIEWED WHEN CLOSE TO BUILDING FOUNDATIONS AND FACADE*

THESE CHANGES HAVE BEEN MADE AS THE PLANTING REVIEW HIGHLIGHTED OPPORTUNITIES TO INCREASE THE BIODIVERSITY POTENTIAL OF THE SCHEME. ADDITIONALLY THE REVIEW HIGHLIGHTED OPPORTUNITIES TO ENSURE THAT A ROBUST AND EASILY MAINTAINABLE PLANTING PALETTE IS USED, PARTICULARLY WHERE THE PUBLIC SPACES INTERACT WITH PRIVATE DWELLINGS.

THROUGH COORDINATION WITH M&E, LANDSCAPE ELEMENTS HAVE BEEN ADJUSTED TO RESOLVE THESE CONFLICTS. ONGOING COORDINATION WITH MEINDHARDT IS ALSO IN PROGRESS TO FURTHER ADDRESS ANY REMAINING CLASHES.

Rev	Description	Date
P06	STAGE 4B - 1NO. OAK TREE ADDED FOR DISCHARGE OF CONDITIONS	17.07.2026
P05	STAGE 4A - TREES ADJUSTED TO AVOID CLASHED WITH UNDERGROUND SERVICES AND DRAINGE; MOVED AWAY FROM STRUCTURES	01.08.2025
P04	STAGE 4 DRAFT	13.05.2025
P03	STAGE 3 ISSUE	07.02.2025
P02	DRAFT ISSUE	10.01.2025
P01	Draft Issue	06.12.2024

EXTERIOR
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MANCHESTER: *Studio 324/325, The Royal Exchange, St. Ann's Square, Manchester, M2 7DH*

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Project Title:
Chippenham Road, Havering

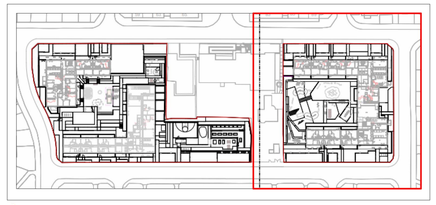
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TREE PLANTING PLAN SITE A

Issued By: London
Scale @ A1: As indicated
Status: S3
Date: 14.08.2024

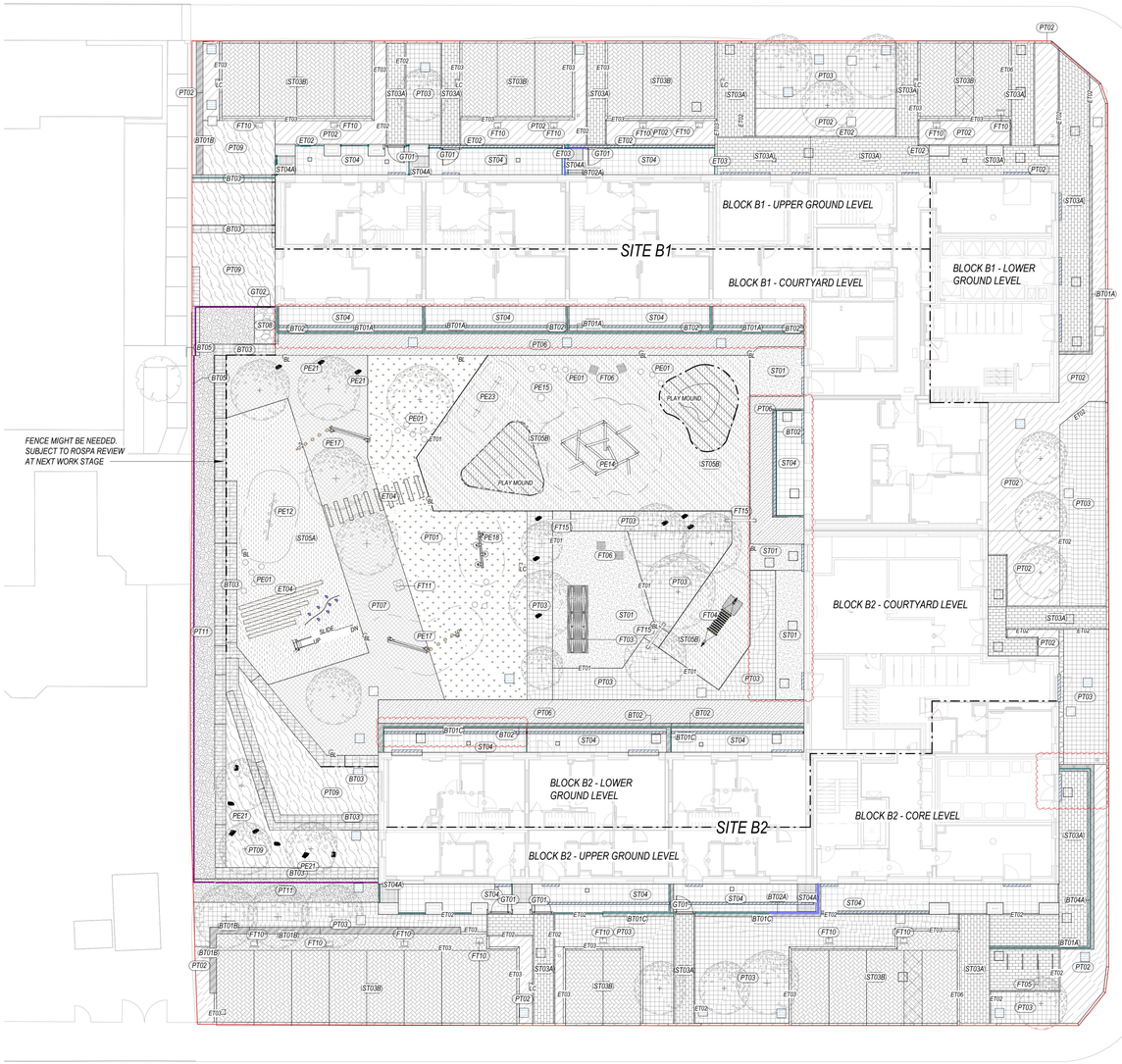
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Drawn: EXA
Checked: TOD
Approved: SM

Drawing Number:
CHIPP-EXA-ZA-00-DR-L-9503

Revision:
P06



LOCATION PLAN



LEGEND

SITE BOUNDARY

SURFACES

- [023/225A] SURFACE TYPE 01 - PERMEABLE RESIN BOUND GRAVEL
- [023/160A] SURFACE TYPE 02 - HOGGIN SELF BINDING GRAVEL
- [024/115A] SURFACE TYPE 03A - PERMEABLE CONCRETE BLOCK PAVING TO MAIN PEDESTRIAN PATHS AND [024/115A] ST03B TO PARKING BAYS NOTE: HATCH TO PARKING BAYS MARKS DISABLED PARKING BAYS
- [025/315B] SURFACE TYPE 04 - FLAG CONCRETE PAVING TO PRIVATE TERRACES. [025/315B] SURFACE TYPE 04A CONCRETE PAVING FOR BIN AREA
- [026/360A] SURFACE TYPE 05A/B/C - COLOURED RUBBER MULCH TO PLAY SPACES. SEE LANDSCAPE NBS FOR COLOURS
- [026/360B] SURFACE TYPE 06 - WETPOUR SURFACE FOR SPORTS COURT
- [L37/110A] SURFACE TYPE 07 - STEPS WITH PAVING AND RISER UNITS

- [023/160B] SURFACE TYPE 08 - GRAVEL FOR MAINTENANCE STRIP
- [024/110B] SURFACE TYPE 09 - STEPPING FLAGS TO PRIVATE TERRACES
- [025/320] SURFACE TYPE 10 - CORDUROY TACTILE PAVING TO STEPS
- [L73/110B] SURFACE TYPE 11 - SLEEPER STEPS TO COMMUNITY GARDEN
- [026/310A] SURFACE TYPE 12 - ORNAMENTAL MULCH

FURNITURE TYPES

- [Q50/220A] FURNITURE TYPE 01 - TIMBER BENCH
- [Q50/220B] FURNITURE TYPE 02 - BENCH WITH BACKREST
- [Q50/225A] FURNITURE TYPE 03 - PICNIC TABLE AND BENCHES
- [Q50/225C] FURNITURE TYPE 04 - LARGE HAMMOCK
- [Q50/221 A] FURNITURE TYPE 05 - SHEFFIELD CYCLE STAND
- [Q50/225B] FURNITURE TYPE 06 - TIMBER CUBE SEATS
- [Q50/350B] TREE TRUNK AS INVERTEBRATE HOTEL - FELLED OAK TREE T17
- FURNITURE TYPE 08- STEEL HANDRAIL TO STAIRS
- [Q50/232D] FURNITURE TYPE 09- TIMBER BLEACHER SEAT
- [Q50/205] FURNITURE TYPE 10 - EV CHARGING POINT WITH VEHICLE IMPACT GUARD - EV PRODUCT AND PROTECTION RAIL SPECIFICATION TO M&E ENGINEER
- [Q50/350] FURNITURE TYPE 11 -BUG HOTEL
- [Q50/225E] FURNITURE TYPE 12- CHILDREN'S TIMBER CUBE SEAT
- [Q50/ 490A] FURNITURE TYPE 13 - SMOKING SHED
- [Q50/ 490B] FURNITURE TYPE 14 - POTTING SHED
- [B9/ 370 A] FURNITURE TYPE 15 - TIMBER PERGOLA, INDIVIDUAL FRAME SUPPLIER: WOODSCAPE OR SIM. APPROVED

PLAY ELEMENTS

- [Q52/ 320B] PE01 - STEPPING LOGS
- [Q52/ 326A] PE02 - METAL SLIDE
- [Q52/ 330A] PE03 - CLIMBING ROPE AND POLE
- [Q52/ 320C] PE04 - CLIMBING NET
- [Q52/ 320D] PE05 - SUPERNOVA
- [Q52/ 320A] PE06 - BALANCING BEAMS
- [Q52/ 440A] PE07 - NET SWING
- [Q52/ 355] PE08 - KIDS TABLE WITH STOOLS
- [Q52/ 350A] PE09 - SENSORY PANEL
- [Q52/ 390A] PE10 - BUTTERFLY SEASAW
- [Q52/ 390B] PE11 - FOUR PERSON SPRING
- [Q52/ 320E] PE12 - BALANCE POSTS WITH ROPE
- [Q52/ 520A] PE13 - BASKETBALL HOOP. WARNING SIGN TO BE FIXED TO BASKETBALL HOOP AS CLAUSE [N91/1150B]
- [Q52/ 330C] PE14 - LARGE CLIMBING FRAME
- [Q52/ 324A] PE15 - SPINNER PLATE
- [Q52/ 320B] PE16 - CLIMBER ROPE
- [Q52/ 320F] PE17 - BALANCE COMBINATION
- [Q52/ 320G] PE18 - BALANCE POSTS
- [Q52/ 350B] PE19 - SENSORY PANEL DOUBLE
- [Q52/ 350C] PE20 - CHALK BOARD
- [Q52/ 350D] PE21 - BOULDERS
- [Q52/ 326B] PE22 - EMBANKMENT SLIDE 0.5M WIDE
- [Q52/ 390C] PE23 - SEASAW WITH SPRINGS

EDGE TYPES

- [Q10/ 110A] EDGE TYPE 01 - METAL EDGE FLUSH
- [Q10/ 110B] EDGE TYPE 02 - PINKERB FLUSH CONCRETE EDGE
- [Q10/ 110C] EDGE TYPE 03 - RAISED VEHICLE EDGE
- [Q10/ 200A] EDGE TYPE 04 - 150X200MM TIMBER SLEEPER STEPPING PLANK
- [Q31/294E] EDGE TYPE 05 - STEEL PLANTER - UP TO 600MM HIGH
- [Q10/ 110D] EDGE TYPE 06 - VEHICLE EDGE LAID FLUSH
- [Q31/294B] EDGE TYPE 07 - STEEL PLANTER - 1100MM HIGH
- [Q31/296] EDGE TYPE 08 - RAISED SLEEPER PLANT CONTAINER

BOUNDARY TYPES

- [F10/115A] BOUNDARY TYPE 01A - 215MM WIDE MASONRY RETAINING WALL
- [F10/115B] BOUNDARY TYPE 01B - 225 MM WIDE RC RETAINING WALL WITH BRICK CLADDING ON BOTH ELEVATIONS (EVL WALL TYPE REFERENCE: RWA01/03)
- [F10/115C] BOUNDARY TYPE 01C - 225 MM WIDE RC RETAINING WALL WITH BRICK CLADDING ON EXTERNAL ELEVATION (EVL WALL TYPE REFERENCE: RWA02)
- [F10/115D] BOUNDARY TYPE 01D - 225 MM WIDE RC RETAINING WALL WITH BRICK CLADDING ON INTERNAL ELEVATION (EVL WALL TYPE REFERENCE: RWA04)
- [Q40/222] BOUNDARY TYPE 02 - 1200MM HIGH RAILING
- [Q40/223A] BOUNDARY TYPE 02 - 1200MM HIGH RAILING WITH STEEL SHEET
- [Q41/210A/B/C] BOUNDARY TYPE 03 - GABION RETAINING WALL
- [F10/115D] BOUNDARY TYPE 04A - 300MM WIDE CONCRETE RETAINING WALL - BRICK CLAD ON EXTERIOR ELEVATION (EVL WALL TYPE REFERENCE: RWA06)
- [F10/115E] BOUNDARY TYPE 04B - 350MM WIDE CONCRETE RETAINING WALL - CONCRETE FINISH (EVL WALL TYPE REFERENCE: RWA05)
- [F10/115F] BOUNDARY TYPE 04C - 300MM WIDE CONCRETE RETAINING WALL - BRICK CLAD ON BOTH ELEVATIONS (EVL WALL TYPE REFERENCE: RWA07)
- [F10/110G] BOUNDARY TYPE 04D - 300MM WIDE CONCRETE RETAINING WALL - CONCRETE FINISH (EVL WALL TYPE REFERENCE: RWA08)
- [F10/119H] BOUNDARY TYPE 04F - 225MM WIDE CONCRETE RETAINING WALL - CONCRETE FINISH (EVL WALL TYPE REFERENCE: RWA04)
- [Q40/125A] BOUNDARY TYPE 05 - 2030MM HIGH STEEL FENCE
- [Q40/125B] BOUNDARY TYPE 06 - 3000MM HIGH BASKETBALL FENCE
- [Q40/510A] GATE TYPE 01 - 1100MM HIGH SINGLE GATE TO PRIVATE TERRACES
- [Q40/510B] GATE TYPE 02 - 2139MM HIGH SINGLE GATE ACCESS CONTROL GATE (EXCLUDING MAINTENANCE GATES) - ACCESS AS SPECIFIED BY MEP CONSULTANT
- [Q40/125A] GATE TYPE 03 - 2139MM HIGH DOUBLE GATE ACCESS CONTROL GATE - ACCESS AS SPECIFIED BY MEP CONSULTANT

NOTE: RETAINING WALL CONCRETE SIZE SHOWN IN EXA LEGEND REFERS TO TOP OF RC WIDTH. CONCRETE SIZE INCREASES BELOW GROUND. REFER TO STRUCTURAL ENGINEERS EXTERNAL WALL DETAILS - SERIES 31

SOFT LANDSCAPE

- PROPOSED TREE PLANTING
- EXISTING TREE TO BE RETAINED
- PT01 - PROPOSED SPECIES RICH LAWN
- PT02 - IN-GROUND PERENNIAL PLANTING
- PT03 - PROPOSED RAIN GARDEN MIX
- PT04 - PERENNIAL PLANTING IN STEEL RAISED PLANTERS
- PT05 - PROPOSED WILDFLOWER LAWN
- PT06 - DEFENSIBLE PLANTING
- PT07 - LONG GRASS PLANTING
- PT08 - COMMUNITY GARDEN -COMMUNAL RAISED GROWING BEDS
- PT09 - SCRUB MIX
- PT10 - EXISTING PLANTING ENCHANCED
- PT11- NATIVE HEDGE
- PT12- GREEN ROOF ON TOP OF A SMOKING SHED

MEP AND CIVILS

- MANHOLE - SITE UTILITIES REFER TO MHT DRAWING NUMBER CHIPP-MHT-ZZ-ZZ-DR-MEP-50005
- MANHOLE - SITE DRAINAGE REFER TO EVL DRAWING NUMBER CHIPP-EVL-ZA-XX-DR-C-520001 AND CHIPP-EVL-ZA-XX-DR-C-520101
- ACO DRAIN REFER TO EVL DRAWING NUMBER CHIPP-EVL-ZA-XX-DR-C-520001 AND CHIPP-EVL-ZA-XX-DR-C-520101
- RL LIGHTING LC - LIGHTING COLUMN RL - LIGHTING BOLLARD
- REFER TO MHT DRAWING NUMBER CHIPP-MHT-ZZ-ZZ-DR-MEP-50005

0m 4m 8m 12m 16m 20m

VISUAL SCALE 1:200 @ A1

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Client:
London Borough of Havering and Wates Residential LLP

NOTES:

COORDINATION WITH MHT FOR SERVICE ROUTES AND COVER LOCATIONS WILL CONTINUE INTO STAGE 4B. MANHOLE COVER CLASHES BUBBLED IN BLUE ON THE DRAWING.

ONGOING SUDS COORDINATION WITH EVL WILL ALSO BE CARRIED FORWARD DURING THIS STAGE. FINAL POSITIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION ISSUE.

HARD SURFACE HATCH IS INDICATIVE ONLY. FOR HARDSCAPE SETTING OUT PLEASE REFER TO SETTING OUT DRAWINGS SERIES 97

REFER TO PREVIOUS DRAWING REVISIONS IN THE DOCUMENT NUMBERED 2347-EXA-ZZ-ZZ-DR-L-00102 FOR EARLIER DESIGN ITERATIONS.

4B P11 REVISION NOTE:
- *RETAINING WALL AMENDED AS PER COMMENTS*
- *TREE LOCATION AMENDMENTS DUE TO SERVICES AND DRAINAGE COORDINATION*
- *CLASHES WITH MANHOLES RESOLVED*
- *CHANNEL DRAINS ADDED TO THRESHOLDS*
- *LEGEND ADDED*
- *PRIVATE TERRACE EXTENDED TO 1.8M FOR ACCESSIBILITY*

Rev	Description	Date
P10	STAGE 4B - COORDINATION UPDATES. UPDATES IN LINE WITH COMMENTS.	17.07.2026
P09	STAGE 4A - UPDATE	28.11.2025
P08	STAGE 4a ISSUE	01.08.2025
P07	STAGE 4 DRAFT	13.05.2025
P06	STAGE 3 ISSUE	07.02.2025
P05	DRAFT ISSUE	17.01.2025
P04	Draft Issue	06.12.2024
P03	Issued for Costing	08.11.2024
P02	Planning Issue	14.08.2024

EXTERIOR ARCHITECTURE

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MANCHESTER: *Studio 324/325, The Royal Exchange, St. Ann's Square, Manchester, M2 7DH*

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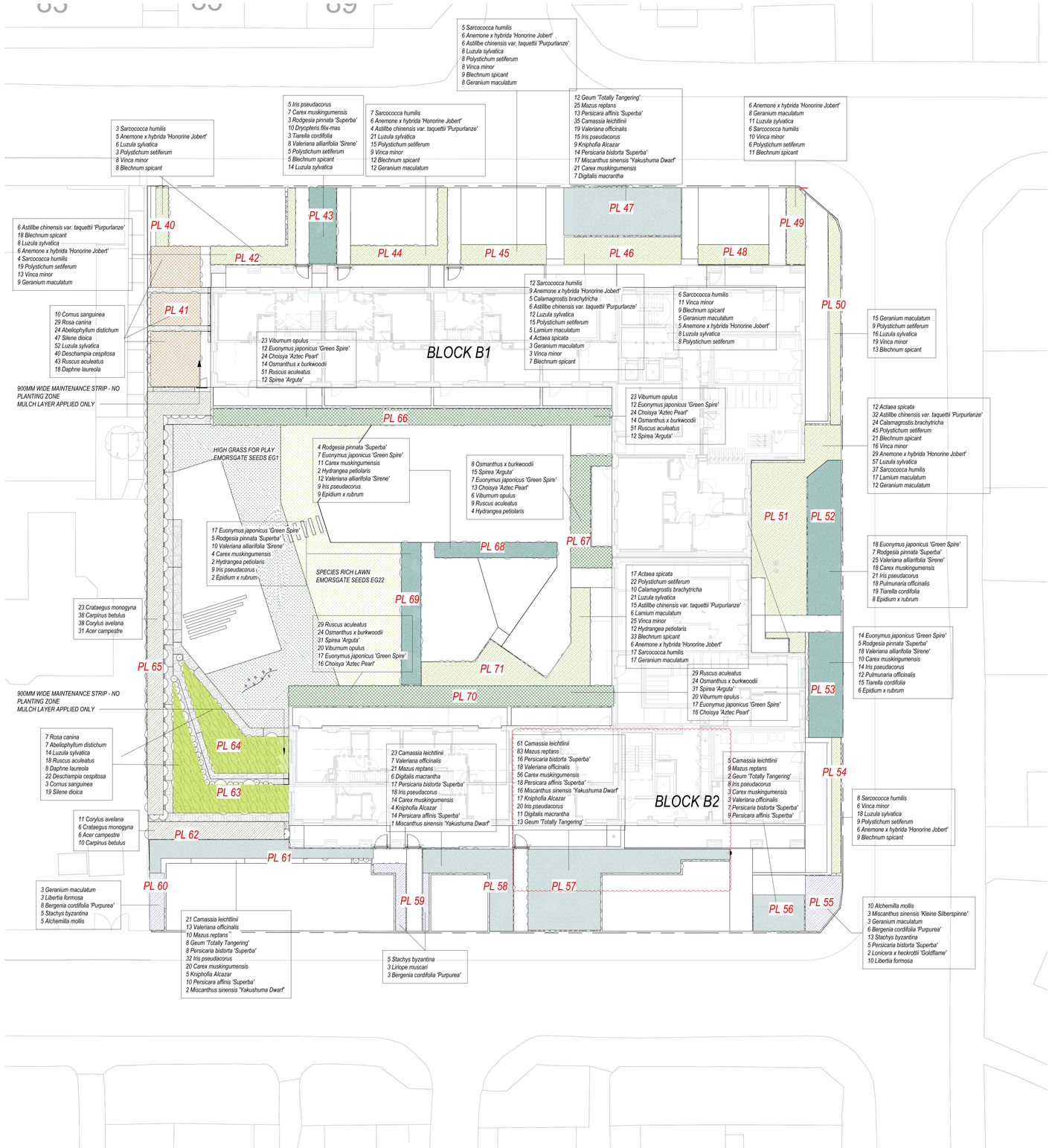
Project Title:
Chippenham Road, Havering

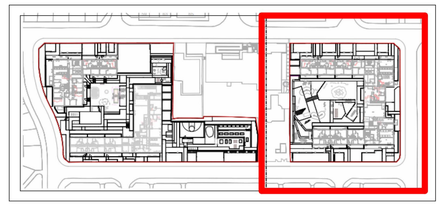
Drawing Title:
LANDSCAPE GENERAL ARRANGEMENT PLAN - SITE B

Issued By:	*London*	*Tel:*	*02079782101*
Scale @ A1:	*As indicated*	*Drawn:*	*EXA*
Status:	*S3*	*Checked:*	*TOD*
Date:	*08/11/2024*	*Approved:*	*SM*

Drawing Number: *CHIPP-EXA-ZB-00-DR-L-0203*

Revision: *P10*





LOCATION PLAN

STAGE 4 REVISION NOTES:

AS PART OF STAGE 4 DESIGN DEVELOPMENT, EXA CONDUCTED AN INTERNAL PLANTING REVIEW. KEY POINTS THAT HAVE BEEN INCORPORATED FOLLOWING THE REVIEW:

- *REVIEW AND UPDATE TO ROBUST DEFENSIBLE PLANTING*
- *ADDITIONAL EVERGREEN SPECIES INCLUDED IN THE MIXES TO PROVIDE MORE WINTER INTEREST*
- *ADDITIONAL CLIMBING PLANTS ADDED TO THE SCHEME*
- *TREE SPECIES REVIEWED WHEN CLOSE TO BUILDING FOUNDATIONS AND FACADE*

THESE CHANGES HAVE BEEN MADE AS THE PLANTING REVIEW HIGHLIGHTED OPPORTUNITIES TO INCREASE THE BIODIVERSITY POTENTIAL OF THE SCHEME. ADDITIONALLY THE REVIEW HIGHLIGHTED OPPORTUNITIES TO ENSURE THAT A ROBUST AND EASILY MAINTAINABLE PLANTING PALETTE IS USED, PARTICULARLY WHERE THE PUBLIC SPACES INTERACT WITH PRIVATE DWELLINGS.

FOLLOWING MEETINGS WITH DOCO, PLANTING PROPOSAL WAS REVIEWED TO INCLUDE THE FOLLOWING:

- *PLANTING REVIEWED TO MAINTAIN CLEAR SIGHTLINES AND PROMOTE NATURAL SURVEILLANCE THROUGHOUT THE SCHEME*
- *SHRUB HEIGHTS LIMITED TO 1 M IN KEY VISIBILITY ZONES NEAR FOOTPATHS, ENTRANCES, AND COMMUNAL AREAS*
- *DENSE, CLUMPING SPECIES AVOIDED IN FAVOUR OF OPEN-BRANCHED OR LOW-GROWING PERENNIALS TO PRESERVE VIEWS*
- *DEFENSIVE PLANTING (E.G. HAWTHORN, PYRACANTHA, BARBERRY) USED ALONG FENCE LINES TO DISCOURAGE UNAUTHORISED ACCESS*
- *TREE SPECIES SELECTED TO MAINTAIN CLEAR CANOPIES BELOW 2 M, SUPPORTING VISUAL PERMEABILITY*
- *MAINTENANCE REQUIREMENTS CONSIDERED EARLY, WITH EMPHASIS ON REGULAR PRUNING AND INSPECTIONS TO RETAIN DESIGN INTENT OVER TIME*

PLANTING LOCATIONS TO BE FURTHER COORDINATED WITH CCTV COVERAGE AND SIGHTLINES FROM ACTIVE FRONTAGES TO AVOID OBSTRUCTIONS, ONCE THESE CCTV LOCATIONS ARE KNOWN.

0m 4m 8m 12m 16m 20m

VISUAL SCALE 1:200 @ A1

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TREES

EXISTING TREES TO BE RETAINED

FOR PROPOSED TREES SEE DRAWING CHIPP-EXA-ZZ-ZA-DR-L-9503 AND CHIPP-EXA-ZZ-ZA-DR-L-9503

PL 01 — *PLANTER NUMBER. FOR DETAIL PLANTING ARRANGEMENTS REFER TO DETAIL PLANTING PLANS CHIPP-EXA-ZZ-ZA-DR-L-9505 TO CHIPP-EXA-ZZ-ZB-DR-L-9525*

PLANTING

SPECIES RICH LAWN WTF SPECIES-RICH-26

HIGH GRASSES PLANTING LOW-GROW-BIO

WILDFLOWER TURF LAWN WFT-NATIVE ENRICHED

DEFENSIBLE PLANTING

NATIVE HEDGEROW

RAINGARDEN PLANTING- SHADE

RAINGARDEN PLANTING - SUNSHADE

SCRUB MIX

PERENNIAL PLANTING - SHADE

PERENNIAL PLANTING - SUN

Rev	Description	Date
P09	STAGE 4B - PLANTING UPDATED TO ALLOW FOR FIRE ACCESS	17.07.2026
P08	STAGE 4A - PLANTING UPDATE	09.04.2026
P07	STAGE 4A - PLANTING ADJUSTED TO REFLECT GA LAYOUT CHANGES. UPDATES MADE FOLLOWING SBD COMMENTS AND INTERNAL PLANTING REVIEWS. REFER TO NOTE ON SHEET.	01.08.2025
P06	STAGE 4 DRAFT	23.05.2025
P05	STAGE 3 ISSUE	07.02.2025
P04	DRAFT ISSUE	10.01.2025

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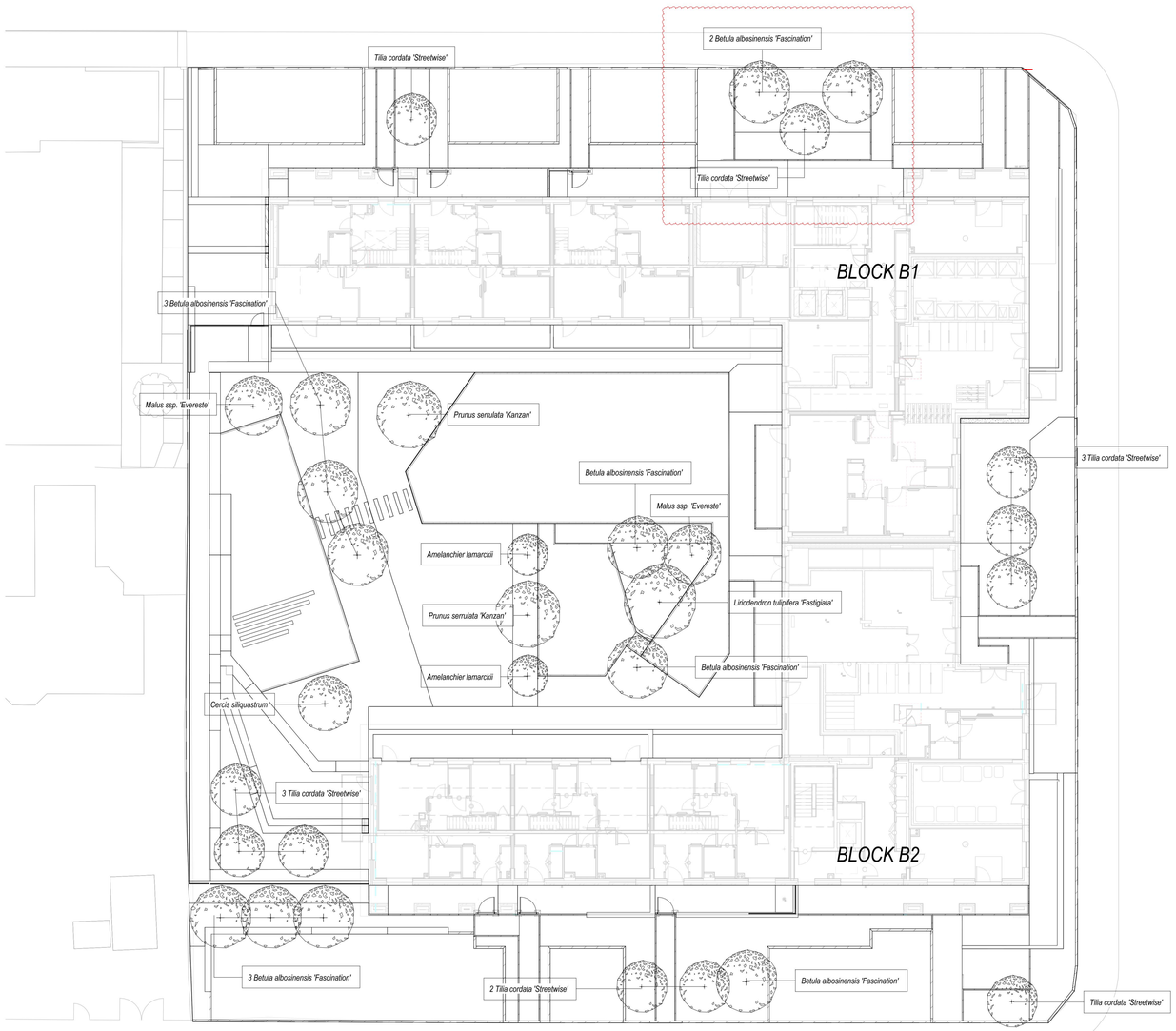
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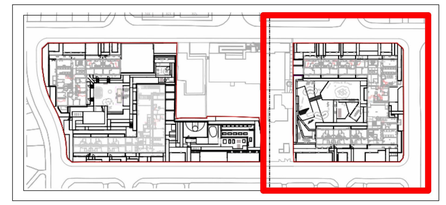
Project Title:
Chippenham Road, Havering

Drawing Title:
PLANTING PLAN SITE B

Issued By:	*London*	*Tel:*	*02079782101*
Scale @ A1:	*As indicated*	*Drawn:*	*EXA*
Status:	*S3*	*Checked:*	*TOD*
Date:	*14.08.2024*	*Approved:*	*SM*

Drawing Number: *CHIPP-EXA-ZB-00-DR-L-9502*
Revision: *P09*





LOCATION PLAN

0m 5m 10m 15m 20m 25m

VISUAL SCALE 1:250 @ A1

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LEGEND

ROOT PROTECTION ZONE - SIZE SHOWN AS PER TREE CONSTRAINTS PLAN DRAWING NUMBER TC 10932 REV 2, BY CROWN ARBORICULTURAL CONSULTANTS

EXISTING TREES TO BE RETAINED

PROPOSED TREE

NOTES:

AS PART OF STAGE 4 DESIGN DEVELOPMENT, EXA CONDUCTED AN INTERNAL PLANTING REVIEW. KEY POINTS THAT HAVE BEEN INCORPORATED FOLLOWING THE REVIEW:

- *REVIEW AND UPDATE TO ROBUST DEFENSIBLE PLANTING*
- *ADDITIONAL EVERGREEN SPECIES INCLUDED IN THE MIXES TO PROVIDE MORE WINTER INTEREST*
- *ADDITIONAL CLIMBING PLANTS ADDED TO THE SCHEME*
- *TREE SPECIES REVIEWED WHEN CLOSE TO BUILDING FOUNDATIONS AND FACADE*

THESE CHANGES HAVE BEEN MADE AS THE PLANTING REVIEW HIGHLIGHTED OPPORTUNITIES TO INCREASE THE BIODIVERSITY POTENTIAL OF THE SCHEME. ADDITIONALLY THE REVIEW HIGHLIGHTED OPPORTUNITIES TO ENSURE THAT A ROBUST AND EASILY MAINTAINABLE PLANTING PALETTE IS USED, PARTICULARLY WHERE THE PUBLIC SPACES INTERACT WITH PRIVATE DWELLINGS.

THROUGH COORDINATION WITH M&E, LANDSCAPE ELEMENTS HAVE BEEN ADJUSTED TO RESOLVE THESE CONFLICTS. ONGOING COORDINATION WITH MEINDHARDT IS ALSO IN PROGRESS TO FURTHER ADDRESS ANY REMAINING CLASHES.

Rev	Description	Date
P06	STAGE 4B - TREES UPDATED FOLLOWING DRAINAGE COORDINATION	17.07.2026
P05	STAGE 4A - TREES ADJUSTED TO AVOID CLASHED WITH UNDERGROUND SERVICES AND DRAINGE; MOVED AWAY FROM STRUCTURES	01.08.2025
P04	STAGE 4 DRAFT	13.05.2025
P03	STAGE 3 ISSUE	07.02.2025
P02	DRAFT ISSUE	10.01.2025
P01	Draft Issue	06.12.2024

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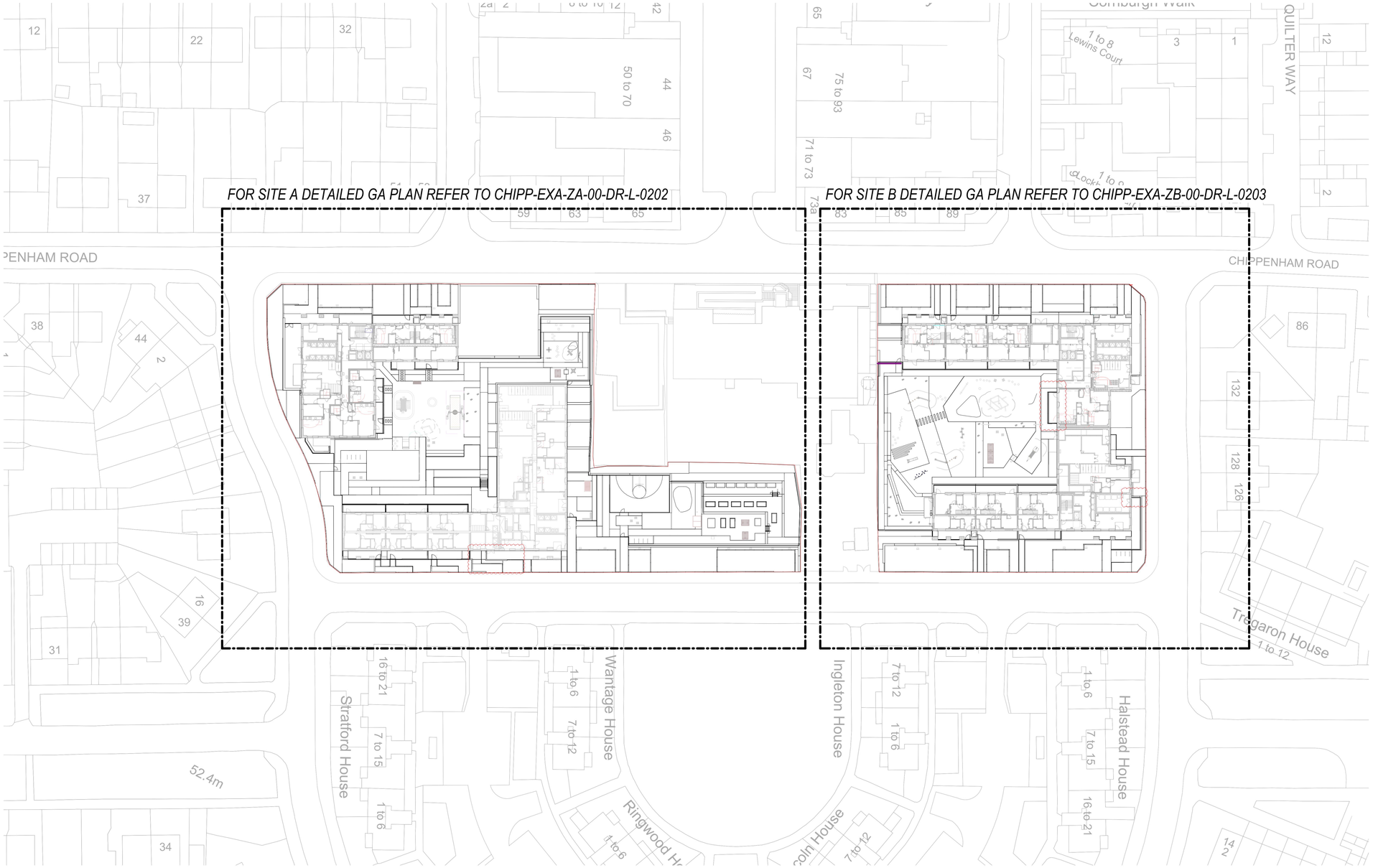
Project Title:
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Drawing Title:
TREE PLANTING PLAN SITE B

Issued By:	*London*	*Tel:*	*02079782101*
Scale @ A1:	*As indicated*	*Drawn:*	*EXA*
Status:	*S3*	*Checked:*	*TOD*
Date:	*14.08.2024*	*Approved:*	*SM*

Drawing Number: *CHIPP-EXA-ZB-00-DR-L-9504*

Revision: *P06*



0m 10m 20m 30m 40m 50m

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LEGEND

SITE BOUNDARY

REFER TO PREVIOUS DRAWING REVISIONS IN THE DOCUMENT NUMBERED 2347-EXA-ZZ-ZZ-DR-L-00100 FOR EARLIER DESIGN ITERATIONS.

4B P09 REVISION NOTE:
- *GENERATOR PLANT REPLACEMENT ROUTE UPDATED*
- *RETAINING WALL AMENDED AS PER COMMENTS*
- *PRIVATE TERRACE EXTENDED TO 1.8M FOR ACCESSIBILITY*

Rev	Description	Date
P09	STAGE 4B - DRAWING UPDATED TO SHOW LATEST LAYOUT	30.07.2026
P08	STAGE 4a ISSUE	01.08.2025
P07	STAGE 4 DRAFT	13.05.2025
P06	STAGE 3 ISSUE	07.02.2025
P05	DRAFT ISSUE	17.01.2025
P04	Draft Issue	06.12.2024
P03	Issued for Costing	08.11.2024
P02	Planning Issue	14.08.2024
P01	Planning Design Freeze	27.06.2024

EXTERIOR
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Project Title:

Chippenham Road, Havering

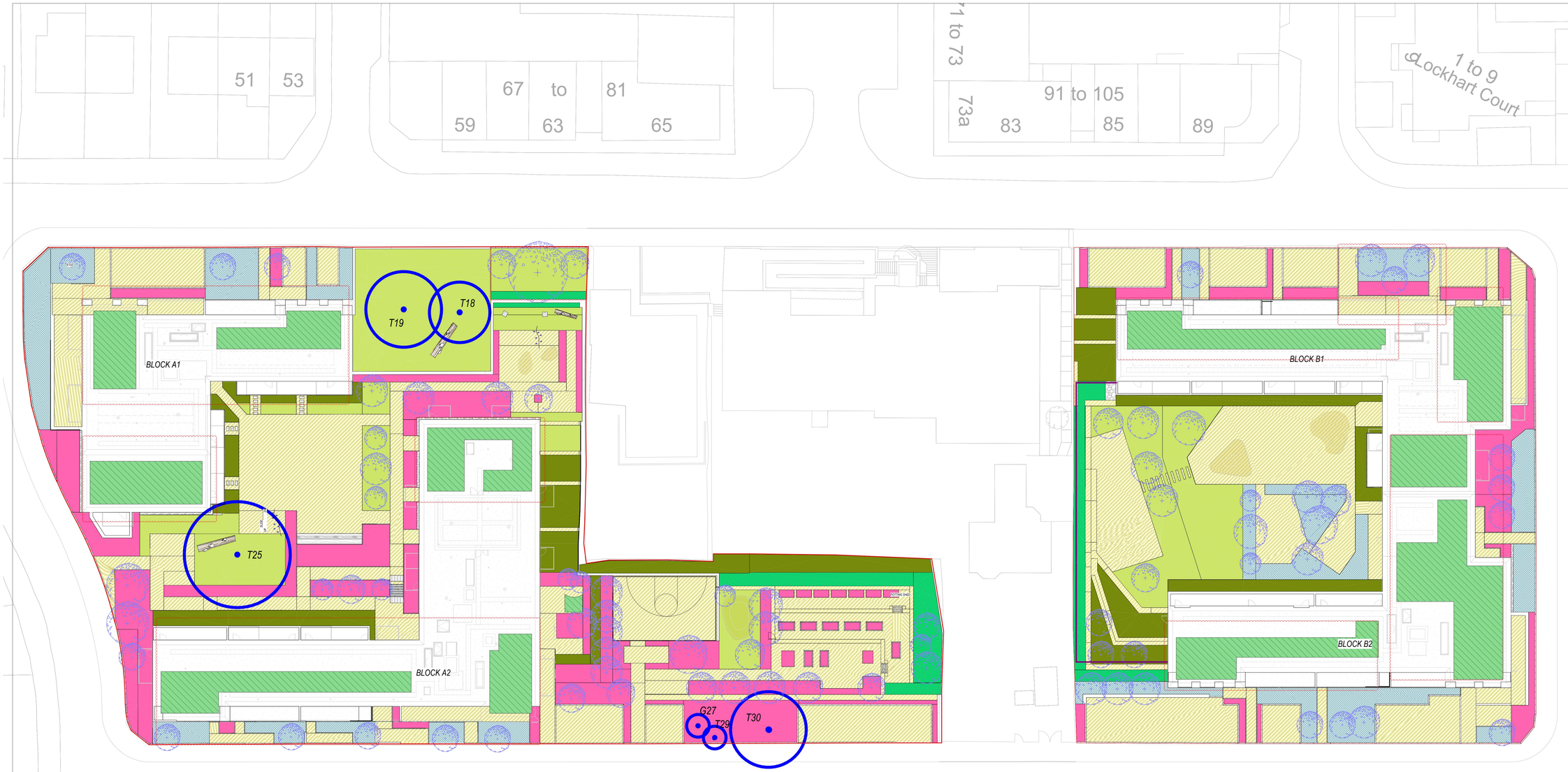
Drawing Title:

LANDSCAPE GENERAL ARRANGEMENT PLAN - SITEWIDE

Issued By:	*London*	*Tel:*	*02079782101*
Scale @ A1:	*As indicated*	*Drawn:*	*EXA*
Status:	*S3*	*Checked:*	*TOD*
Date:	*08.11.2024*	*Approved:*	*SM*

Drawing Number: *CHIPP-EXA-ZZ-00-DR-L-0201*

Revision: *P09*



LEGEND

SITE BOUNDARY

EXISTING TREES RETAINED

SURFACE COVER TYPE	FACTOR	AREA(m²)	SURFACE COVER FACTOR
Semi-natural vegetation (e.g. woodland, flower-rich grassland) created on site	1.00	979.00	979.00
Extensive green roof with substrate of minimum settled depth of 80mm (or 60mm beneath vegetation blanket) which meets the requirements of GRO Code (2014)	0.70	972.00	680.40
Flower-rich perennial planting	0.70	912.00	638.40
Rain gardens and other vegetated sustainable drainage elements	0.70	644.00	635.00
Hedges (line of mature shrubs one or two shrubs wide)	0.60	778.00	466.80
Standard trees planted in individual pits with less than 25 cubic metres soil volume	0.60	1274.45	764.67
Groundcover planting	0.50	35.00	17.50
Permeable paving	0.10	2560.00	256.00
Sealed surfaces (e.g. concrete, asphalt, waterproofing, stone)	-		
TOTAL SITE AREA (m²)		9558.2	

URBAN GREENING FACTOR SCORE **0.45**

NOTES

Trees have been calculated with estimated mature canopy extent (calculation method to be clarified with GLA)

0m 4m 8m 12m 16m 20m

VISUAL SCALE 1:200 @ A0

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Rev	Description	Date
P07	STAGE 4B - ROOF LAYOUT UPDATED IN LINE WITH HBA. TREE LOCATION UPDATES.	30.07.2026
P06	STAGE 4A - GREEN ROOF AREA REDUCED. UPDATED TO FOLLOW LAYOUT CHANGES. REFER TO GA PLANS.	01.08.2025
P05	STAGE 3 ISSUE	07.02.2025
P04	DRAFT ISSUE	17.01.2025
P03	DRAFT ISSUE	20.12.2024
P02	Draft Issue	06.12.2024
P01	Planning Issue	14.08.2024

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Project Title:
Chippenham Road, Havering

Drawing Title:
URBAN GREENING FACTOR CALCULATION - PLAN

Issued By:	*London*	*Tel:*	*02079782101*
Scale @ A0:	*As indicated*	*Drawn:*	*EXA*
Status:	*S3*	*Checked:*	*TOD*
Date:	*14.08.2024*	*Approved:*	*SM*

Drawing Number: *CHIPP-EXA-ZZ-00-DR-L-0204*
Revision: *P07*

Planting Schedule - Trees

Count	Type	Common Name	Girth	Height Spec.	Specification
2	Acer campestre 'Lienco'	Field Maple 'Lienco'	18-20cm	450-500cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm
8	Amelanchier lamarckii	Juneberry		250-300cm	Multi-Stemmed: Bushy: 3 Stems min.:3x: RB
19	Betula albosinensis 'Fascination'	Chinese Red Birch 'Fascination'	18-20cm	450-500cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm
3	Cercis siliquastrum	Juda's tree	14-16cm	400-450cm	2x: Standard: clear stem 150-175cm; 3 breaks
4	Cornus florida 'Rainbow Sunset'	Flowering Dogwood	20-25cm	350-425cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 175-200cm: 5 breaks
5	Crataegus monogyna	Common Hawthorn	16-18cm	400-450cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm
2	Liquidambar styraciflua 'Slender Silhouette'	Sweet Gum	18-20cm	450-500cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm
2	Liriodendron tulipifera 'Fastigiata'	Tulip Tree	18-20cm	450-500cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm
1	Magnolia x loebneri 'Donna'	Magnolia		100-150cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm
5	Malus ssp. 'Evereste'	Crab Apple 'Evereste'	18-20cm	450-500cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm
4	Prunus serrulata 'Kanzan'	Japanese Cherry 'Kanzan'	18-20cm	400-500cm	Branched: min 3 break
1	Quercus robur	Pedunculated oak , English Oak	20-25cm	450-500cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm
21	Tilia cordata 'Streetwise'	Small-leaved Lime 'Streetwise'	18-20cm	450-500cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm

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Planting Schedule - Shrubs

Count	Type	Common Name	Pot Size	Height Spec.	Planting Density	Specification
36	Abeliophyllum distichum	White Forsythia		40-60cm	1/m2	Bushy: 7 brks: RB
66	Acer campestre	Common Maple		100-125cm	1 Ctr Double Staggered at 0m offset or as Drawing	1+2: Transplant - seed raised: B
119	Carpinus betulus	Common Hornbeam		100-125cm	1 Ctr Double Staggered at 0m offset or as Drawing	1+2: Transplant - seed raised: B
31	Cornus sanguinea	Common Dogwood	3L	40-60cm	1/m2	Bushy: 7 brks: RB
105	Corylus avelana	Common Hazel		80-100cm	1 Ctr Double Staggered at 0m offset or as Drawing	1+2: Transplant - seed raised: Branched, 4 brks: B
70	Crataegus monogyna	Common Hawthorn		100-125cm	1 Ctr Double Staggered at 0m offset or as Drawing	1+2: Transplant - seed raised: B
33	Daphne laureola	Spurge Laurel	10L	60-80cm	2/m2	Bushy: 5 brks: C
89	Deschampia cespitosa	Tufted Hair Grass	3L		3/m2	Full Pot: C
43	Rosa canina	Dog Rose	5L	60-80cm	1/m2	Bushy: 7 brks: C
290	Ruscus aculeatus	Butcher's Broom	3L	30-40cm	4/m2	Several Shoots:3 brks: C
61	Sambucus nigra	Elder	3L	40-60cm	4/m2	Bushy: 4 brks: C

Grand total: 943

Planting Schedule - Amenity Planting

Count	Type	Common Name	Pot Size	Planting Density	Specification	Foliage Retention
63	Actaea spicata	Baneberry	3L	5/m2	Full Pot: C	
261	Alchemilla mollis	Lady's Mantle	3L	5/m2	Full Pot: C	
129	Anemone x hybrida 'Honorine Jobert'	Japanese Anemone 'Honorine Jorbert'	3L	5/m2	Full Pot: C	evergreen
107	Astillbe chinensis var. taquettii 'Purpurlanze'		3L	5/m2	Full Pot: C	
279	Bergenia cordifolia 'Purpurea'	Elephant's ear 'Purpurea'	3L	5/m2	Full Pot: C	evergreen
297	Blechnum spicant	Hard Fern	3L	5/m2	Full Pot: C	evergreen
57	Calamagrostis brachytricha	Korean Feather Grass	5L	3/m2	Full Pot: C	
282	Camassia leichtlinii	Indian Lily	1.5-2L	7/m2	Full Pot: C	
277	Carex muskingumensis	Palm Branch Sedge	3L	4/m2	Full Pot: C	evergreen
131	Choisya 'Aztec Pearl'	Mexican Orange Blossom	10L	2/m2	Bushy: 7 brks: C	evergreen
22	Clematis 'Apple Blossom'		10L	5/m2	Caned: Several Shoots: 3 brks: C	evergreen
54	Digitalis macrantha	Yellow Foxglove	3L	5/m2	Full Pot: C	
62	Dryopteris filix-mas	Hard Fern	3L	5/m2	Full Pot: C	deciduous
25	Epidium x rubrum	Red Barrenwort	3L	5/m2	Full Pot: C	
146	Euonymus japonicus 'Green Spire'	Japanese Spindle Tree	10L	2/m2	Bushy: 7 brks: C	evergreen
284	Geranium maculatum	American Cranesbill	3L	5/m2	Full Pot: C	
88	Geranium sanguineum	Bloody Cranesbill	3L	5/m2	Full Pot: C	
69	Geum 'Totally Tangering'	Geum 'Totally Tangerine'	3L	5/m2	Full Pot: C	
14	Hedera Helix	Common Ivy	7L	5/m2	Caned: Several Shoots: 5 brks: C	evergreen
46	Hydrangea petiolaris	Climbing Hydrangea	3L	5/m2	Caned: Several Shoots: 2 brks: C	evergreen
256	Iris pseudacorus	Yellow flag Iris	3-4L	5/m2	Full Pot: C	
80	Kniphofia Alcazar	Kniphofia Alcazar	3L	5/m2	Full Pot: C	
37	Lamium maculatum	Spotted Dead-nettle	3L	4/m2	Full Pot: C	
270	Libertia formosa	Chilean Iris	3L	5/m2	Full Pot: C	evergreen
236	Liriope muscari	Chilean Iris	1L	6/m2	Full Pot: C	evergreen
18	Lonicera x heckrottii 'Goldflame'	Trumpet honeysuckle	10L	5/m2	Caned: Several Shoots: 5 brks: C	
458	Luzula sylvatica	Great wood-rush	3L	5/m2	Full Pot: C	evergreen
261	Mazus reptans	Creeping mazus	3L	5/m2	Full Pot: C	evergreen
75	Miscanthus sinensis 'Kleine Silberspinne'	Eulalia 'Kleine Silberspinne'	5-7.5L	3/m2	Full Pot: C	
107	Miscanthus sinensis 'Yakushuma Dwarf'	Eulalia 'Yakushima Dwarf'	5-7.5L	5/m2	Full Pot: C	
95	Nepeta 'Six Hills Giant'	Catmint 'Six Hills Giant'	3L	4/m2	Full Pot: C	
96	Osmanthus x burkwoodii	Burkwood Osmanthus	10L	2/m2	Bushy: 7 brks: C	evergreen
151	Persicara affinis 'Superba'	Lesser knotweed	3L	5/m2	Full Pot: C	evergreen
311	Persicaria bistorta 'Superba'	Snakeweed 'Superba'	3L	5/m2	Full Pot: C	evergreen
111	Phlomis russeliana	Turkish Sage	3L	5/m2	Full Pot: C	
298	Polystichum setiferum	Soft Shield Fern	3L	5/m2	Full Pot: C	evergreen
33	Pulmunaria officinalis	Common Lungwort	3L	5/m2	Full Pot: C	evergreen
36	Rodgesia pinnata 'Superba'	Featherleaf Rodgesia	5-7.5L	1/m2	Full Pot: C	
170	Sarcococca humilis	Dwarf Sweet Fern	5L	5/m2	Bushy: 6 brks: C	evergreen
75	Sesleria autumnalis	Autumn Moor Grass	3L	5/m2	Full Pot: C	evergreen
91	Silene dioica	Red Campion	2L	5/m2	Full Pot: C	evergreen
72	Spirea 'Arguta'	Bridal Wreath	3L	3/m2	Several Shoots:5 brks: C	
296	Stachys byzantina	Lamb's Ears	3L	5/m2	Full Pot: C	evergreen
62	Tiarella cordifolia	Foam flower	3L	5/m2	Full Pot: C	deciduous
37	Trachelospermum jasminoides	Star Jasmine	5L	5/m2	Caned: Several Shoots: 3 brks: C	evergreen
103	Valeriana alliarifolia 'Sirene'	Valeriana	3L	5/m2	Full Pot: C	
146	Valeriana officinalis	Common Valerian	5L	3/m2	Full Pot: C	
113	Viburnum opulus	Guelder Rose	3L	2/m2	Several Shoots:4 brks: C	deciduous
271	Vinca minor	Lesser Periwinkle	3L	5/m2	Several Shoots:3 brks: C	evergreen

Grand total: 7058

NOTE: THE ABOVE SCHEDULE INCLUDES ALL PLANTS LISTED IN INDIVIDUAL DETAILED PLANTING SCHEDULES.

No dimensions are to be scaled from this drawing.
All dimensions are to be checked on site.
Area measurements for indicative purposes only.

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Client:
London Borough of Havering and Wates Residential LLP

Rev	Description	Date
P09	STAGE 4B - 1NO. OAK TREE ADDED. CHANGE TO PLANTING FOR FIRE ACCESS.	17.07.2026
P08	STAGE 4A - PLANTING UPDATE	09.04.2026
P07	STAGE 4A - PLANTING ADJUSTED TO REFLECT GA LAYOUT CHANGES. UPDATES MADE FOLLOWING SBD COMMENTS AND INTERNAL PLANTING REVIEWS. REFER TO NOTE ON SHEET.	01.08.2025
P06	STAGE 4 DRAFT	23.05.2025
P05	STAGE 3 ISSUE	07.02.2025
P04	DRAFT ISSUE	10.01.2025

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Chippenham Road, Havering

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PLANTING SCHEDULE

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