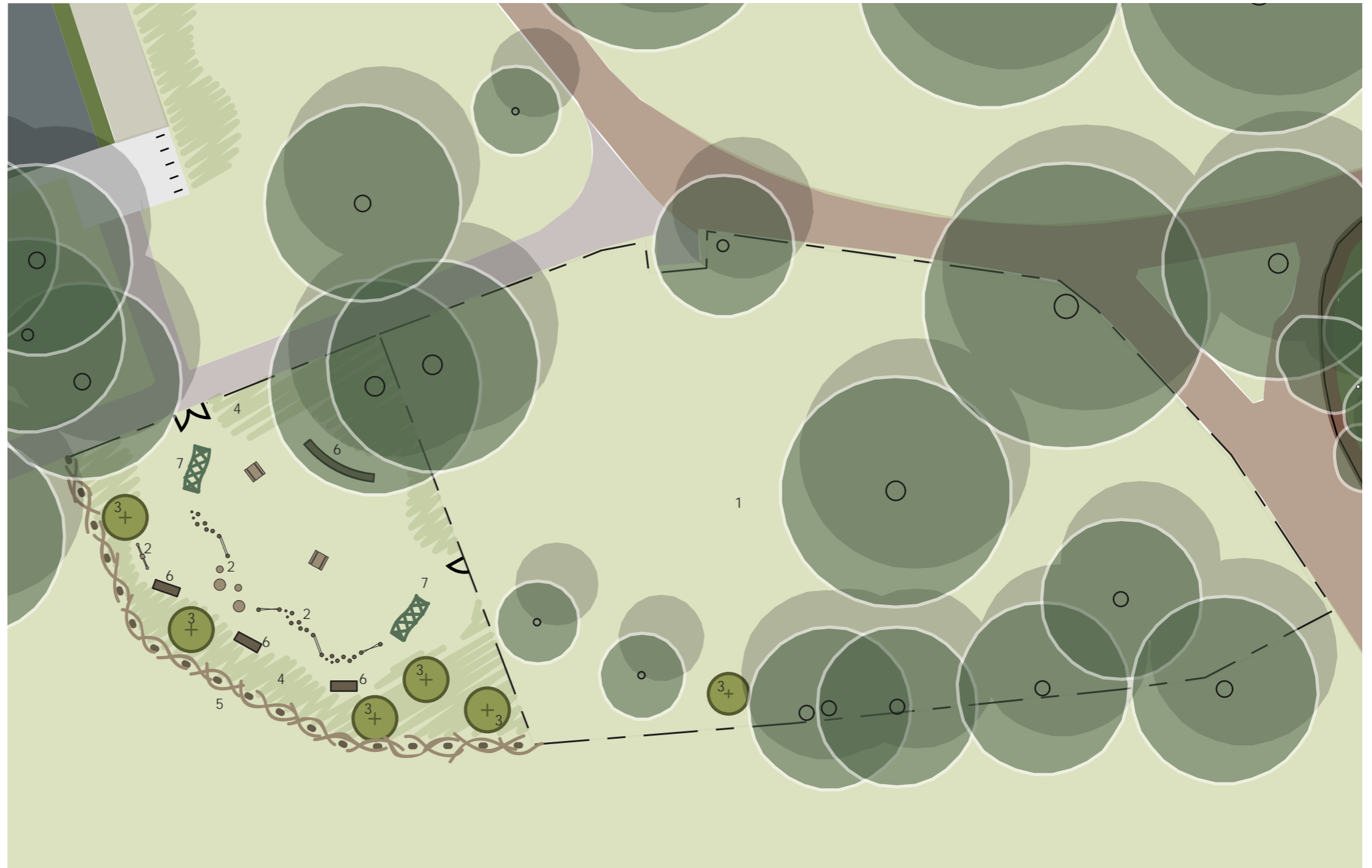


NEW PLAY AREA

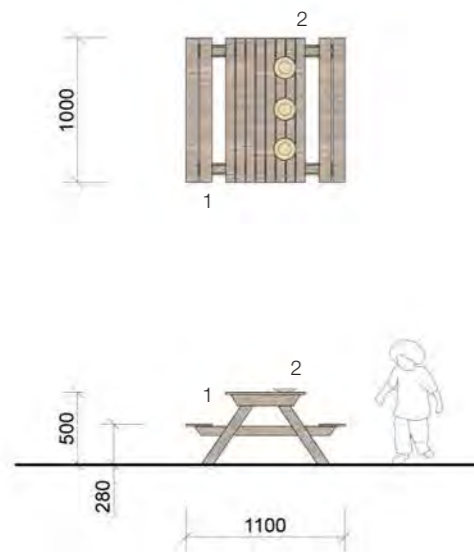
The new play area is proposed as an extension to the existing fenced free-play or dog-free area at Marble Hill Park, opposite the Stables cafe. The existing area will remain unchanged. The new area adjacent will have its own separate gated entry with an additional gate connecting the two areas. A natural 'dead hedge' boundary is proposed around the perimeter of the new play area as a more sympathetic solution to a traditional fence. New play features will be low-lying and natural in style, such as stepping logs, low wobble boards and barefoot paths. New tree planting is proposed to provide shade with a meadow understorey to create enclosure. A long curved timber bench will sit below an existing tree and could be used for outdoor lessons and activities. Additional benches are provided to ensure plenty of places for parents and carers to sit.

1. Existing dog-free area to remain unchanged
2. New low-level play equipment
3. New tree planting
4. Meadow grasses
5. Dead hedge boundary
6. Bench
7. Willow tunnel



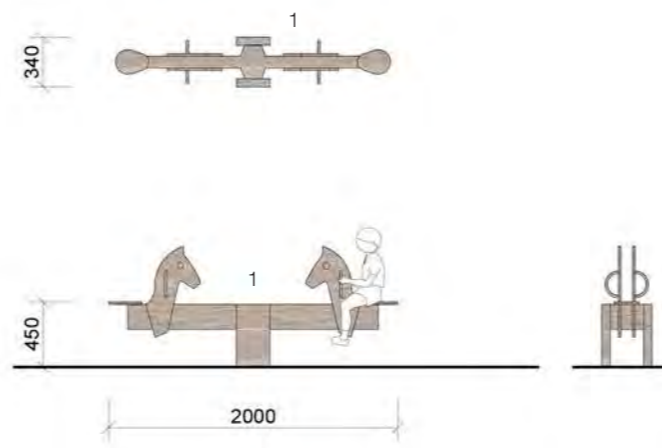
Play area general arrangement





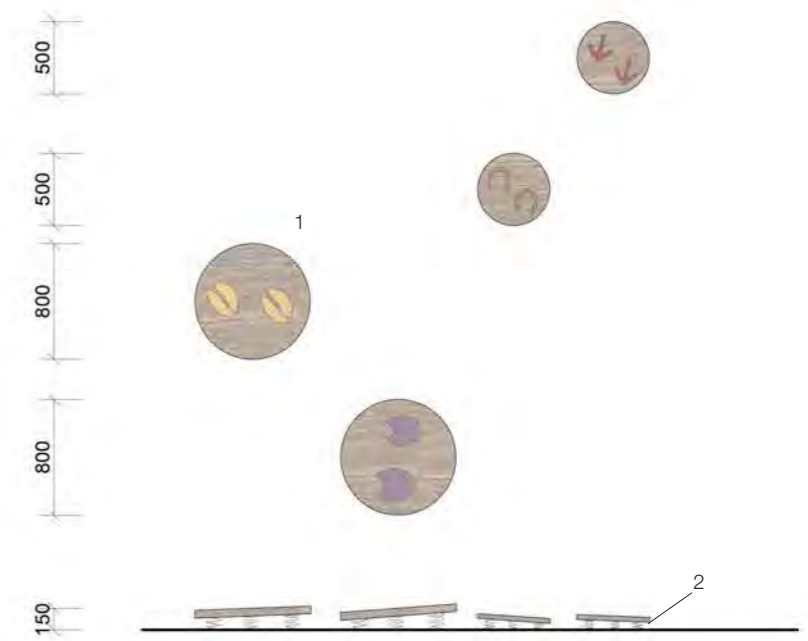
WORKERS REST STOP

- 1. Small child-size picnic table
- 2. Carved timber cups/plates, cooking tools, fixed to table



HORSE SEE-SAW

- 1. Wooden see-saw with carved horse seats



WOBBLE BOARDS

- 1. Low timber wobbling boards with animal footprints carved into the surface
- 2. Springs

4.8 INTERACTIVE PLAY INCIDENT PROPOSALS

Brief

Activities and types of play:

Locomotive - balance / agility / weaving
 Social - role play

Features:

- Ice house seat
- Bee hives
- Grove play

Conditions:

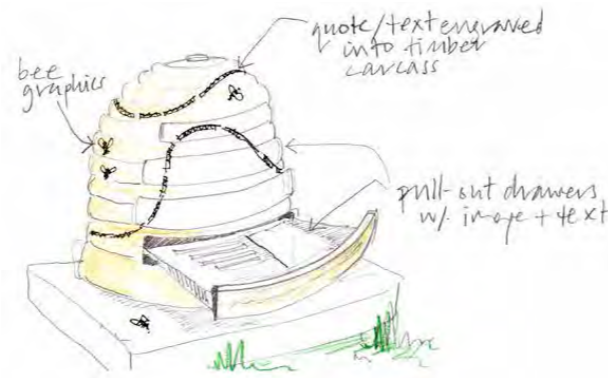
- Inspire curiosity and spark connection to the site
- Suitable for children up to 12 years
- Allow for ground surface to be retained wherever possible



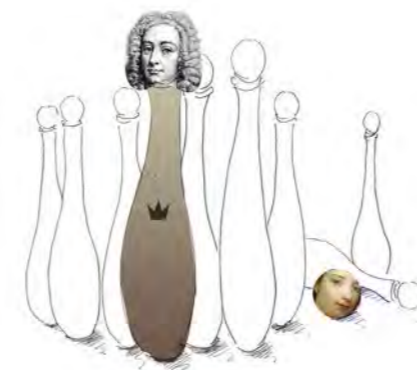
Reference: Wrest Park seat



Ice House Seat: Timber frame structure containing a bench, taking reference from the c.1749 plan. Ref. 581_PL_L_18_B



Beehives: Two timber beehive sculptures with pull out drawers and carved text. Ref. 581_PL_L_20_A



Ninepin Alley: The restored Ninepin alley will provide an opportunity for multiple games, such as quoits, skittles and petanque. Carved wooden skittles could provide interpretive elements in the form of characters in Henrietta's life. Ref. 581_PL_L_19_A

4.9 PARKLAND PLAY STOPS

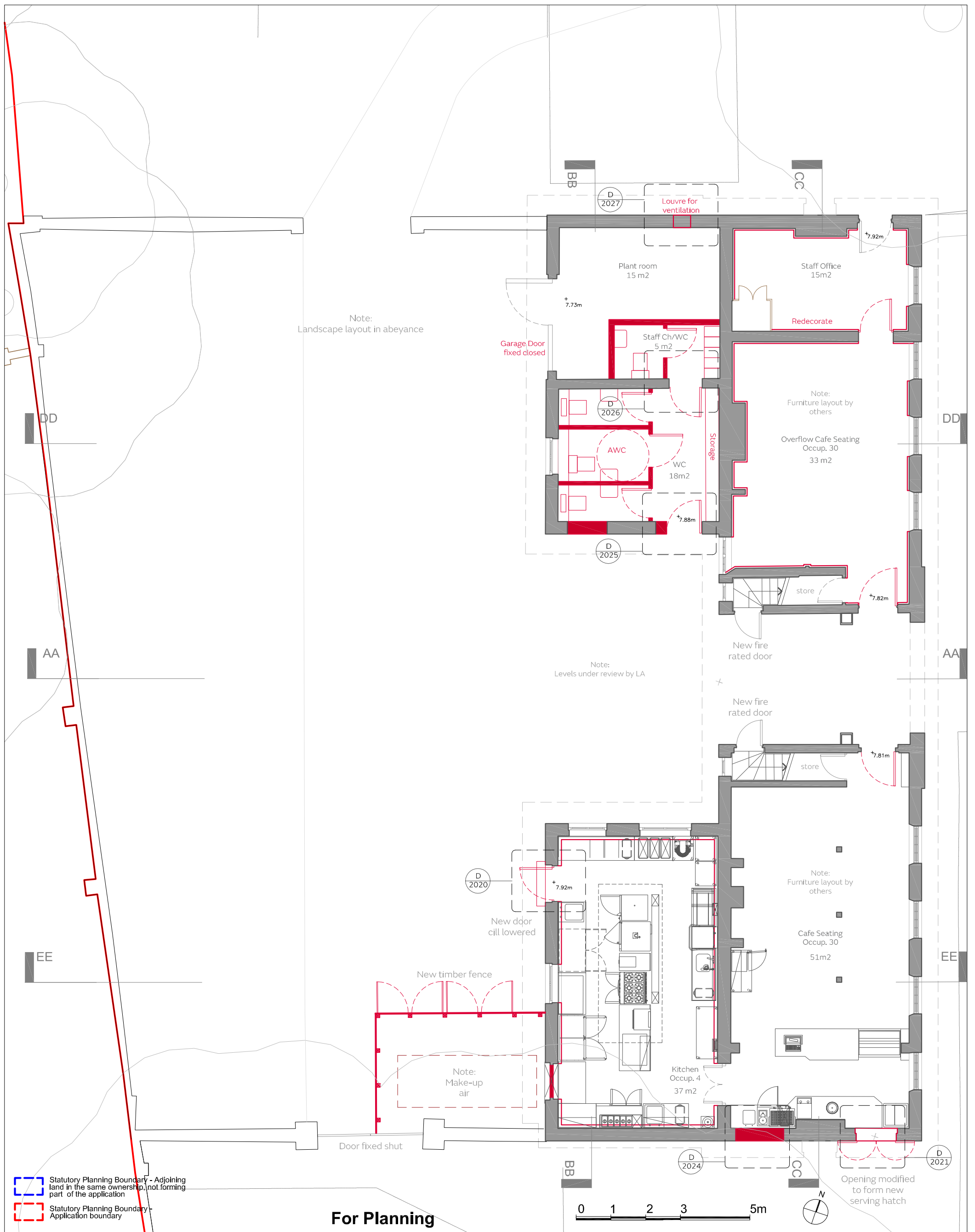
An adaptive playable trail circuit around the park. Natural play elements that can be added to as and when trees are felled on site. A few basic structures could be introduced to the wooded edges to the south and east of Marble Hill, to encourage exploration of the more 'wild' areas of the park.

The play stop locations are indicative and will be finalised following the conclusion of pre-construction badger survey work. Final locations will be developed alongside an ecologist to ensure any badgers present are not disturbed.

Elements to include:

- Stacks of logs to climb
- Staggered poles to weave in and out
- Stepping stumps
- Balancing beam logs
- Hollow log tunnels
- Carved logs arranged into musical features





Scaling for planning purposes only. Use written dimensions only. All dimensions are subject to measured survey by contractor.

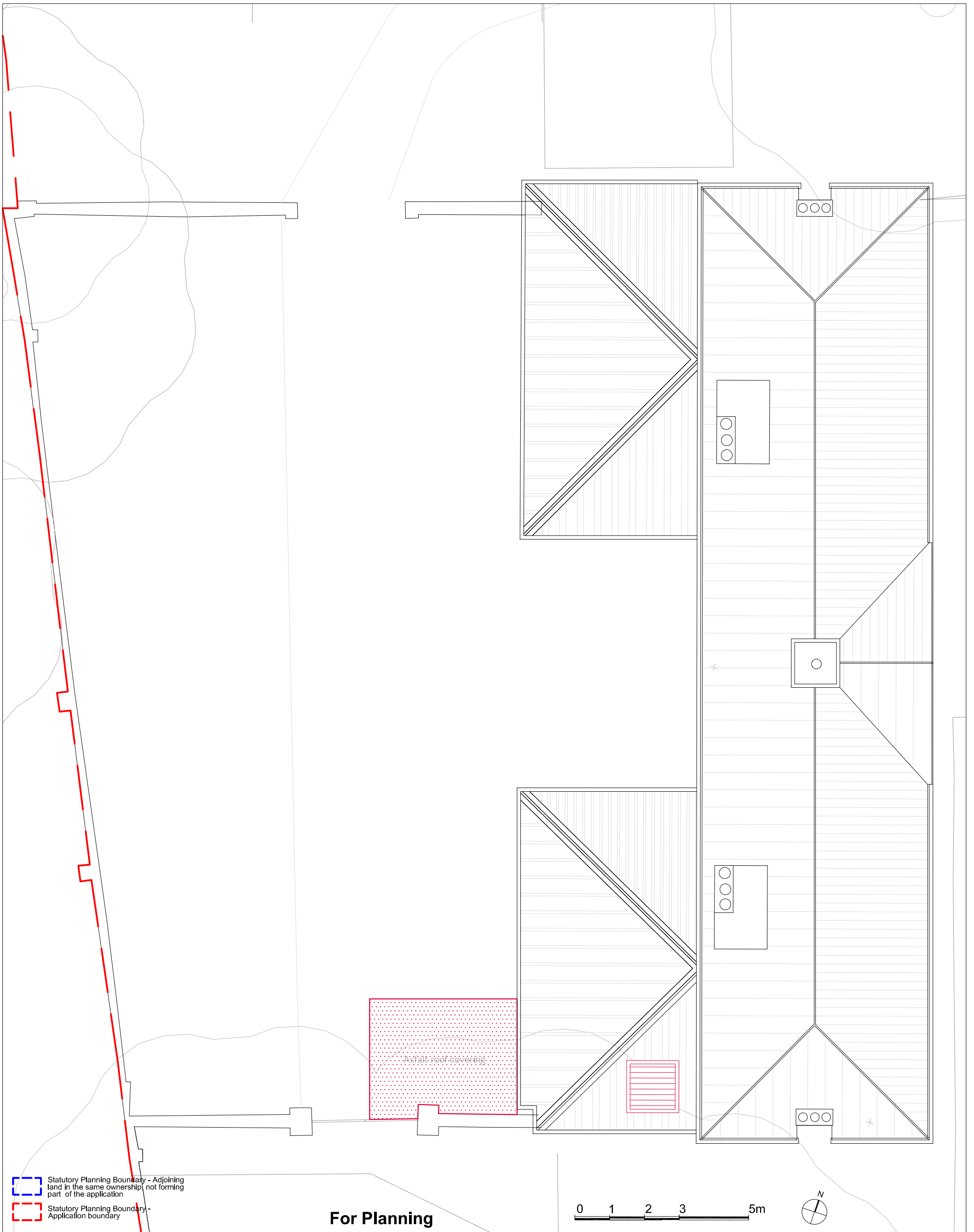
Revisions
Date Revisions





Job title Marble Hill House
Client English Heritage
Drawing title Proposed Ground Floor Plan

| | |
|-------------------|---|
| CAD file | 533-L-2010-Proposed Ground Floor Plan.dwg |
| Scale | 1:100@A3 |
| Drawn by | PG |
| Checked by | NC |
| Drawing no | 533-L-2010 |
| Rev | - |

van Heyningen and Haward Architects 1A Harwood Street London NW1 8DN
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 Statutory Planning Boundary - Adjoining land in the same ownership not forming part of the application
 Statutory Planning Boundary - Application boundary

For Planning

0 1 2 3 5m



Scaling for planning purposes only. Use written dimensions only. All dimensions are subject to measured survey by contractor.

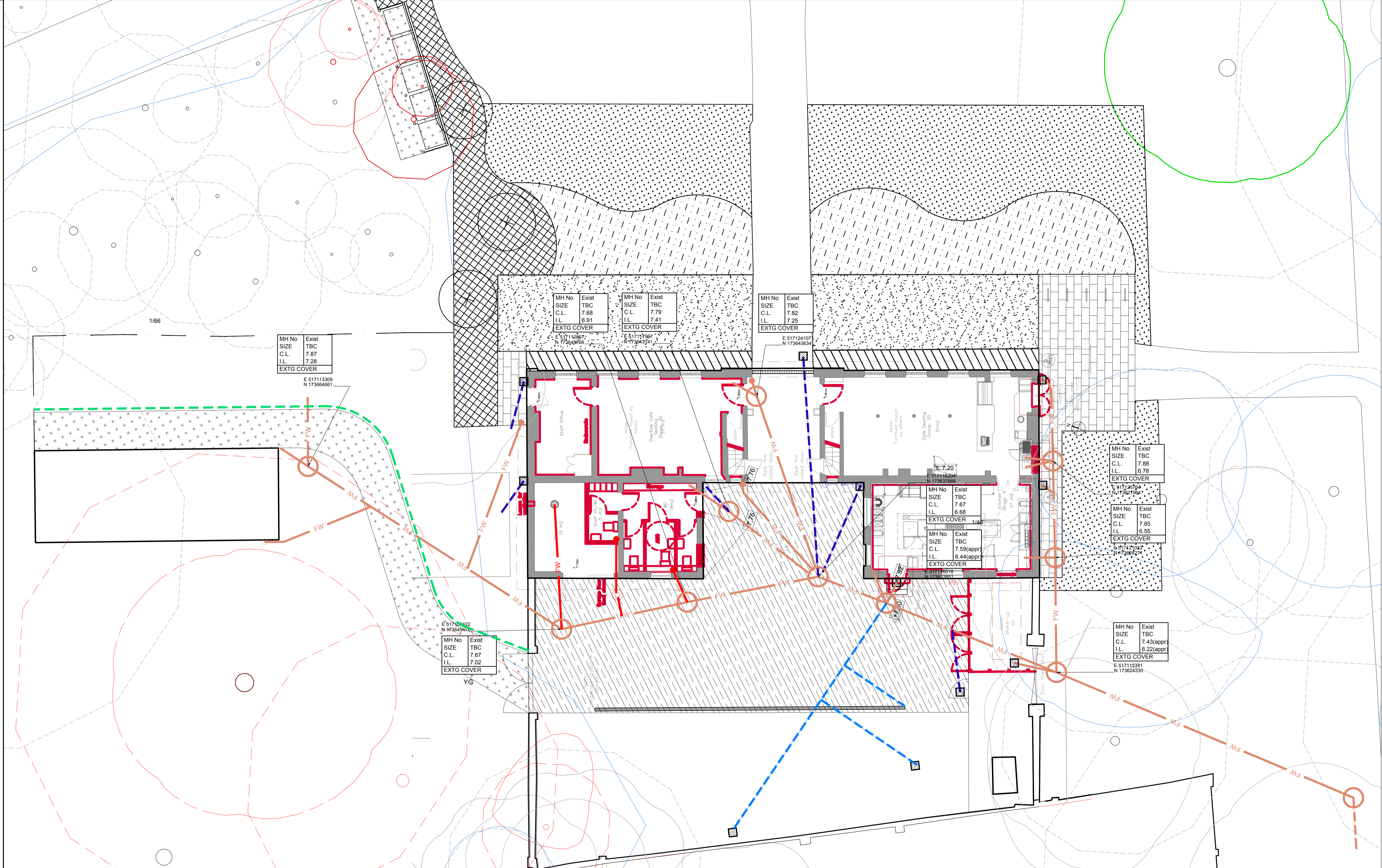
Revisions
Date Revisions

VHH van Heyningen & Haward Architects

Job title Marble Hill House
Client English Heritage
Drawing title Proposed Roof Plan

| | | | |
|---|-----------------------------------|-------------------|------------|
| CAD file | 533-L-2011-Proposed Roof Plan.dwg | | |
| Scale | 1:100@A3 | Date | Aug 2018 |
| Drawn by | PG | Checked by | NC |
| Drawing no | 533-L-2011 | | Rev |
| | | | - |
| van Heyningen and Haward Architects 1A Harwood Street London NW1 8DN T: 020 3362 4488 / E: info@vhh.co.uk / W: www.vhh.co.uk | | | |

- DRAINAGE NOTES:**
1. ALL EXISTING MANHOLE COVERS TO BE RE-SET TO EXISTING PROPOSED LEVELS AS REQUIRED. INFILL COVERS IN BLOCK PAVEMENT, SOLID TOP IN ASPHALT, COBBLES AND SOFT AREAS. CLEAR OPENINGS TO MATCH EXISTING.
 2. ALL EXISTING MANHOLE COVERS IN COURTYARD TO BE REPLACED WITH NEW SINGLE SEAL COVERS & FRAMES
 3. REPLACEMENT OF OTHER EXISTING SURFACE LEVEL DRAINAGE FEATURES AS DETERMINED BY LANDSCAPE ARCHITECTS
 4. ALL DRAINAGE BRANCHES ARE INDICATIVE. LOCATION OF STACKS AS SET OUT ON ARCHITECT DRAWINGS
 5. ALL NEW AND EXISTING BELOW GROUND DRAINAGE TO BE PROVIDED WITH ROOT BARRIER PROTECTION AS DETERMINED BY THE LANDSCAPE ARCHITECTS
 6. ALL DRAINAGE TO BE REMOVED TO BE INVESTIGATED TO CONFIRM REDUNDANCY PRIOR TO REMOVAL
 7. ALL DRAINS PASSING THROUGH OR UNDER STRUCTURE ARE TO BE PROVIDED WITH DOUBLE ROCKER PIPES.
 8. ALL COVER LEVELS ARE APPROXIMATE & SHALL BE CONFIRMED BY THE EXTERNAL WORKS DESIGNER.
 9. ALL PIPEWORK UNDER BUILDINGS - OR EXTERNAL WITH COVER LESS THAN 450mm - SHALL BE CAST IRON AS SAINT GOBAIN TIMESAVER OR SIMILAR APPROVED.
 10. ALL EXTERNAL PIPEWORK WITH AT LEAST 450mm COVER SHALL BE VITRIFIED CLAY AS HEPWORTH SUPERSLEEVE OR SIMILAR APPROVED.
 11. ALL DRAINAGE SERVING THE EXISTING BUILDING IS TO REMAIN LIVE UNTIL THE NEW WORK IS COMPLETE AND OCCUPIED. SUBSEQUENT TO WHICH ALL EXISTING REDUNDANT DRAINAGE SHALL BE REMOVED (OR AS OTHERWISE AGREED WITH THE ARCHITECT)
 12. EXISTING SITE SERVICES ARE SHOWN IN GOOD FAITH AND HAVE BEEN TAKEN FROM EXISTING SITE SURVEY INFORMATION. THE CONTRACTOR SHALL CONFIRM BY CAT'GENNY/GPR/SOUND/TRIAL PIT ETC AS NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING SUPPLIES DURING SITE WORKS.
 13. THIS DRAWING IS TO BE READ FOR EXTERNAL DRAINAGE ONLY. FOR DETAILS OF MECHANICAL & ELECTRICAL SERVICES REFER TO RELEVANT ENGINEERS DETAILS. SERVICES COORDINATION BY OTHERS.
 14. GULLY LOCATIONS ARE INDICATIVE. FOR FINAL LOCATIONS REFER TO ARCHITECTS/M&E DRAWINGS.
 15. ALL GULLY AND CHANNEL BRANCH DRAINS ARE TO BE 150mm DIAMETER UNLESS NOTED OTHERWISE.
 16. ALL DRAINS WITH LESS THAN 600mm COVER SHALL BE PROTECTED BY CONCRETE COVER SLABS AS STANDARD DETAILS. DRAINS SHALL THEN RAMP DOWN WHERE APPLICABLE TO ACHIEVE 600mm COVER VIA 45° BENDS.
 17. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE LATEST EXTERNAL WORKS DRAWINGS FOR EXACT GROUND LEVELS. WHERE IN DOUBT THE RELEVANT ARCHITECT SHALL BE CONTACTED TO CONFIRM.
 18. ALL EXISTING DRAINAGE LEVELS HAVE BEEN EXTRACTED FROM THE SURVEY INFORMATION. CHECK ALL EXISTING INVERT LEVELS PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
 19. ALL CONNECTION TO BE VIA JUNCTION INSERTIONS - SADDLES SHALL NOT BE USED.
 20. ANY EXISTING CONNECTION DISTURBED BY PROPOSED WORKS TO BE RECONNECTED AS EXISTING OR VIA NEW CONNECTION AS APPLICABLE. THE ENGINEER SHALL BE PROVIDED WITH ALL NECESSARY INFORMATION TO REVISE DESIGN TO ACCOMMODATE WHERE NECESSARY.



KEY

| | | | | |
|---|--|----|--------------|--|
| Proposed 1000 foul sewer @ min gradient 1/80 or as shown | | FW | French Drain | |
| Proposed 1000 surface water @ min gradient of 1/100 or as shown | | SW | | |
| Existing private combined sewer | | FW | | |
| Existing private combined sewer to be removed subject to identifying and providing for all connections | | FW | | |
| Existing private surface water connections to be removed subject to identifying and providing for all connections | | SW | | |
| Aco MD100 0.0 Slot Drain with universal gully unit and access units each end | | SW | | |
| Floor Gully - grating to Architects specification | | FG | | |

| | | | |
|-----|-------------------|-----|----------|
| P03 | PRELIMINARY ISSUE | PC | 24/08/18 |
| P02 | PRELIMINARY ISSUE | JC | |
| REV | AMENDMENT | CHK | DATE |

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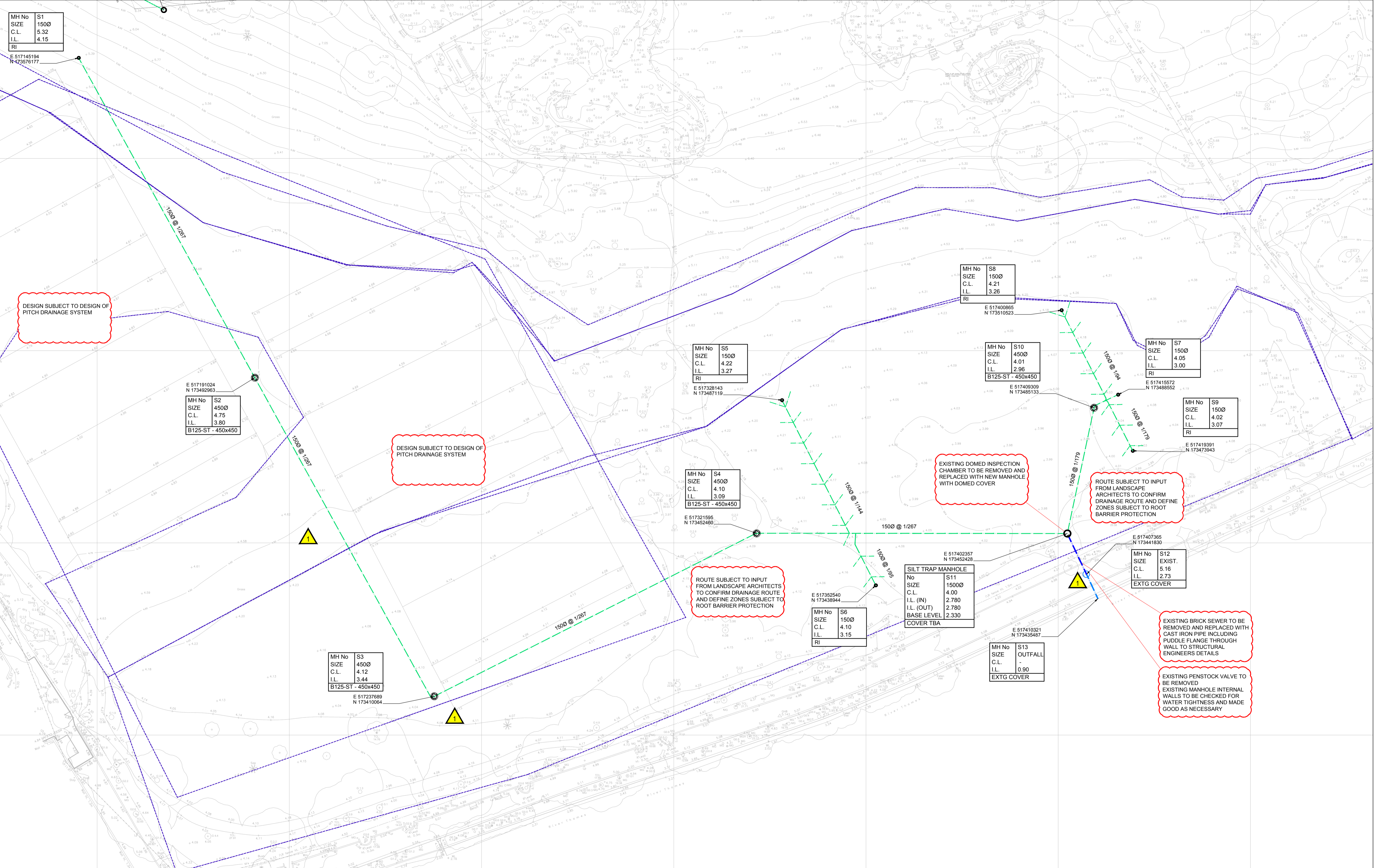
BELOW GROUND DRAINAGE
GENERAL ARRANGEMENT
SITE PLAN

SCALE: 1:100 DRAWN BY: WGO
DATE: July 2018 CHECKED BY: PM

DRG No. **19121/D/50-1/P03**

DRAINAGE NOTES:

- ALL EXISTING MANHOLE COVERS TO BE RE-SET TO EXISTING PROPOSED LEVELS AS REQUIRED.
- ALL NEW AND EXISTING BELOW GROUND DRAINAGE TO BE PROVIDED WITH ROOT BARRIER PROTECTION AS DETERMINED BY THE LANDSCAPE ARCHITECTS.
- ALL DRAINAGE TO BE REMOVED TO BE INVESTIGATED TO CONFIRM REDUNDANCY PRIOR TO REMOVAL.
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- ALL COVER LEVELS ARE APPROXIMATE & SHALL BE CONFIRMED BY THE EXTERNAL WORKS DESIGNER.
- ALL EXTERNAL PIPEWORK SHALL BE VITRIFIED CLAY.
- THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO IDENTIFY EXISTING SERVICES INCLUDING CAT/GENNY/GPR/SONDE/TRIALPIT ETC AS APPROPRIATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING SUPPLIES DURING SITE WORKS.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE LATEST EXTERNAL WORKS DRAWINGS FOR EXACT GROUND LEVELS - WHERE IN DOUBT THE RELEVANT ARCHITECT SHALL BE CONTACTED TO CONFIRM.
- ALL EXISTING DRAINAGE LEVELS HAVE BEEN EXTRACTED FROM THE SURVEY INFORMATION. CHECK ALL EXISTING INVERT LEVELS PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
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RESIDUAL RISKS

EXISTING SERVICES
 UTILISE EXISTING SERVICES DRAWINGS AUGMENTED BY CAT/GENNY/GPR/SONDE/TRIALPIT SURVEYS AS NECESSARY TO ESTABLISH ALL SERVICE LOCATIONS
 - ARRANGE FOR TEMPORARY OR PERMANENT DECOMMISSIONING DURING WORKS AS NECESSARY
 - HAND DIG CLOSE TO SERVICES AS NECESSARY
 - ALL PERSONNEL TO BE APPROPRIATELY TRAINED
 - SUBMIT METHOD STATEMENT FOR APPROVAL PRIOR TO COMMENCING WORKS

NO OTHER KNOWN SIGNIFICANT RISKS OTHER THAN THOSE THAT A COMPETENT DRAINAGE CONTRACTOR WOULD TYPICALLY EXPECT TO ENCOUNTER FROM TIME TO TIME AND MANAGE ACCORDINGLY

BASIS OF DESIGN
 Landscape Architect:
 JLG 581_170630_JLG_Landscape Base_clean issue
 Pitch Drainage:
 TOHA ... [TBC]
 Topographical:
 GHG MH16101-17
 Reports:
 CET Marble Hill House - Interpretative Geotechnical Report FINAL
 FRA: PBA 40611, Marble Hill Park, FRA_ISSUED
 PBA 16281001 Marble Hill Park Flood Risk Assessment
 CCTV:
 Soakage:

KEY

| | |
|---|--|
| Proposed uPVC private carrier drain | |
| Proposed filter drain | |
| Proposed cast iron surface water sewer | |
| Existing private surface water sewer | |
| Existing private foul sewer | |
| Existing private combined sewer | |
| Aco MD100 0.0 Treadsafe with universal gully unit | |
| Aco MD100 0.0 Treadsafe with sump unit at connection | |
| RW Gully, W.T. Knowles & Sons "Square Inspection Gully" with cast iron grate, code KRGU1/1 | |
| Inspection chamber in Class A Engineering Brick laid in NHL lime mortar, plastic base to BS EN 1401, and solid top cast iron cover (J) & J.L Longbottom - Single Seal, code 922 | |

| | | | |
|-----|--------------------|-----|----------|
| P03 | ISSUED FOR COMMENT | JC | 14/05/18 |
| P02 | ISSUED FOR COMMENT | JC | 12/12/17 |
| P01 | ISSUED FOR COMMENT | JC | 10/10/17 |
| REV | AMENDMENT | CHK | DATE |

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BELOW GROUND DRAINAGE
SPORTS PITCH DRAINAGE
GENERAL ARRANGEMENT

SCALE: 1:500 DRAWN BY: WGO
 DATE: July 2017 CHECKED BY: JC

DRG No. **17549/D/50/2-1/P03**