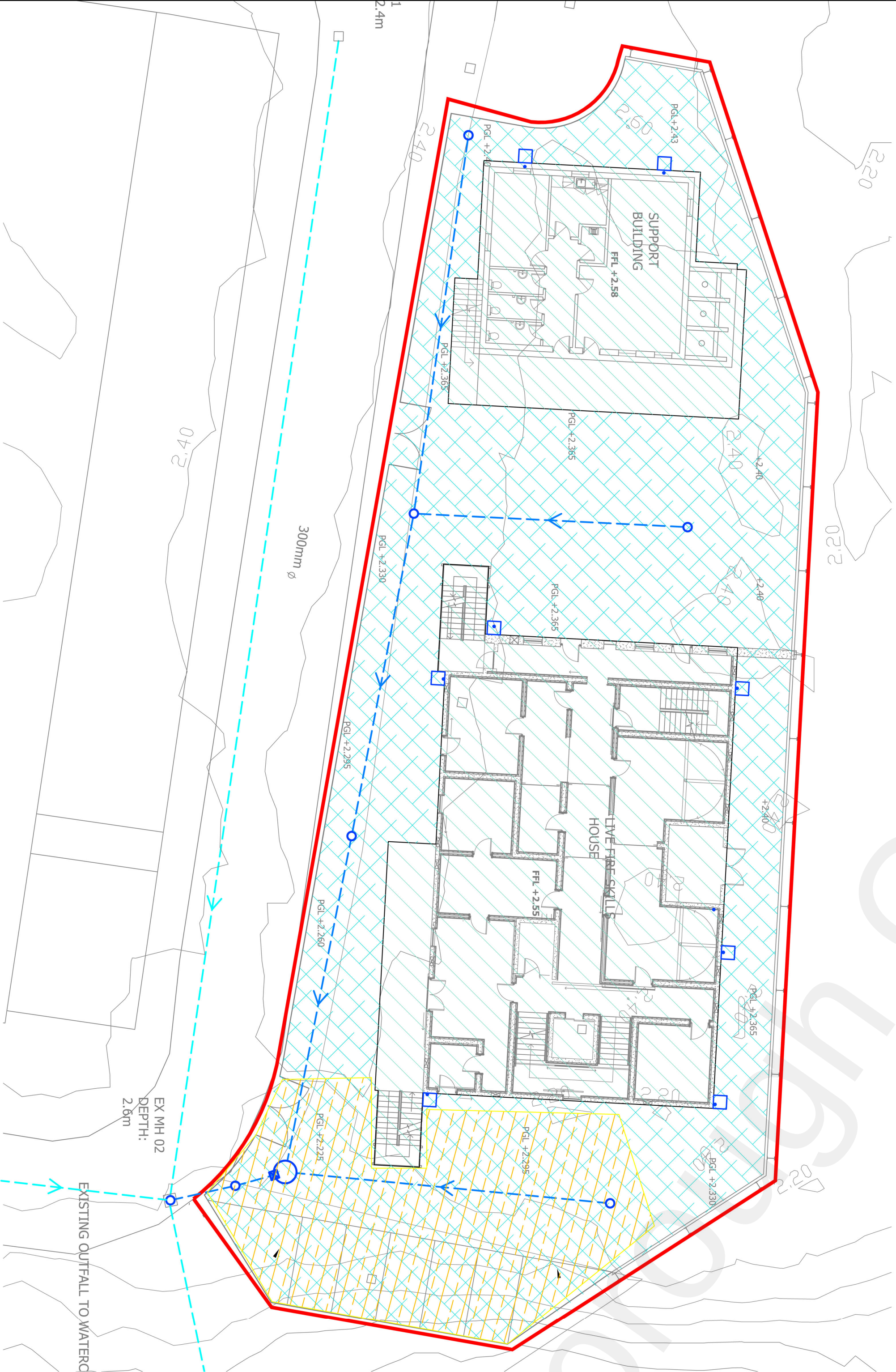


| Asset Type                                                 | Operational Performance Key Feature                                          | Maintenance Schedule (and Frequency)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Party Responsible                                                                                     |
|------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Permeable pavements                                        | Surface to be kept clean.                                                    | <ul style="list-style-type: none"><li>Regular maintenance:</li><li>• Brushing and vacuuming (three time per year)</li><li>• Trimming any roots and surrounding grass and weeds that may be causing blockages (annually or as required)</li><li>Monitoring:</li><li>• Initial inspection (monthly)</li><li>• Inspect surface for poor performance or ponding (annually or after large storm events)</li></ul>                                                                                                                                                                                                                  | Privately owned.<br>Maintained by site owners or asset management company as appointed by site owner. |
| Underground drainage pipe network and manholes / catchpits | Pipes to be kept clean and free of blockages /silt                           | <ul style="list-style-type: none"><li>Regular maintenance:</li><li>• Remove sediment and debris from pre-treatment devices and floor of inspection tube or chamber (annually)</li><li>• Cleaning of gutters and any filters on downpipes (annually)</li><li>• Trimming any roots that may be causing blockages (annually or as required)</li><li>Monitoring:</li><li>• Inspect silt traps and note rate of sediment accumulation (monthly in the first year and then annually)</li></ul>                                                                                                                                      |                                                                                                       |
| Attenuation tank                                           | Base of tank to be kept free of silt and inlets/outlets free from blockages. | <ul style="list-style-type: none"><li>Regular maintenance:</li><li>• Remove litter and debris from inlets and outlets (monthly)</li><li>• Trimming any roots and surrounding grass blockages (as required)</li><li>Monitoring:</li><li>• Inspect inlets, outlets and overflows for blockages (monthly or after a heavy storm)</li><li>• Inspect inlets and outlets for silt accumulation (half yearly)</li><li>• Inspect infiltration surfaces for compaction and ponding (monthly)</li><li>• Survey inside of tank for sediment build-up and remove (annually or as required)</li></ul>                                      |                                                                                                       |
| Rain water pipe                                            | Pipes to be kept clean and free of blockages /silt                           | <ul style="list-style-type: none"><li>Regular maintenance:</li><li>• Remove sediment and debris from grating, channel and sump (monthly or as required)</li><li>• Trimming any roots and surrounding grass blockages (as required)</li><li>Monitoring:</li><li>• Inspect inlets and outlets for blockages or silt accumulation (monthly or after a heavy storm)</li></ul>                                                                                                                                                                                                                                                     |                                                                                                       |
| Hydrobrake                                                 | To be kept free of silt and inlets/outlets free from blockages.              | <ul style="list-style-type: none"><li>Regular maintenance:</li><li>• Remove silt from the Hydrobrake chamber sump (annually)</li><li>• Remove any debris obstructing the inlet, outlet or control ensuring the emergency drain down mechanism if replaced correctly (annually)</li><li>Monitoring:</li><li>• Inspect the hydrobrake control from the surface for signs of blockage or damage (as required)</li><li>• Inspect the Hydrobrake chamber sump for build up of silt and the inlet and outlet for debris (annually)</li><li>• Check the emergency drain down mechanism is in good working order (annually)</li></ul> |                                                                                                       |



- Notes
1. Do not scale from this drawing.
  2. All dimensions are in millimetres unless otherwise stated.
  3. This drawing is to be read in conjunction with all other relevant drawings.
  4. All drainage to be constructed to SSG Design and Construction Guidance, current British standards and building regulations and other relevant standards.
  5. The design is based on the assumption that the internal drainage down pipes to be confirmed by architect / M&E engineer. Internal SVPs and other internal foul drainage to be designed by M&E engineer. Rain water pipes to be designed by M&E engineer. All drainage to be confirmed by M&E engineer.
  6. Contractor to confirm locations of existing services prior to construction.
  7. All specialist drainage components such as attenuation tanks, flow control and pumping stations to be designed and installed as per manufacturer's requirements.
  8. Levels and invert levels are in meters unless otherwise stated. If cover levels change from assumed then drainage design should be re-assessed, especially in regards to
  9. Assumed linear drains not required at building thresholds, to be confirmed by external levels consultant.
  10. Private surface water pipes to be 1500 with minimum fall of 1:100.
  11. Permeable paving and outlets to be as manufacturer design and recommendations.
  12. Proposed ground levels will influence the storage capacity of the drainage system. The design of the drainage system will be based on the proposed ground levels. The design of the drainage system will be based on the proposed ground levels.
  13. Permeable paving sub-base should fall towards the drainage pick up features. Perforated pick up drains should fall towards the drainage pick up features.
  14. Manholes to be 1500 with minimum fall of 1:100.
  15. Areas 0.6m, in driveway 0.5m, in road 1.2m otherwise concrete protection will be required.
  16. As the site has previously been developed an existing drainage system may be present. The design of the drainage system will be based on the proposed ground levels.
  17. Discharge is to watercourse. A waterlogged outfall has been modelled to account for rising water levels.
  18. Design is for planning purposes only and not for construction.
  19. Design should be reviewed in light of any additional information or on validation or otherwise of any assumptions.

Signed off By:  
Mehrdad Bahai, PhD, CEng,MICE  
For Construction  
13/01/2023

|     |          |               |     |      |
|-----|----------|---------------|-----|------|
| P01 | 13.01.23 | Initial Issue | DS  | WGS  |
| Rev | Date     | Detail        | Dwn | Chkd |



Project:  
Specialist Firearms Command  
SCO19, Wharf Road, Gravesend

Drawing Title:  
Management and Maintenance Plan



|              |             |
|--------------|-------------|
| Scale:       | Status:     |
| As shown     | Preliminary |
| Drawing No:  | Issue:      |
| 77443.02 101 | P01         |