

**LEGEND**

- Existing combined water manhole
- Existing foul water manhole
- Existing surface water manhole
- Existing combined water
- Existing surface water
- Proposed combined water manhole
- Proposed foul water manhole
- Proposed surface water manhole
- Proposed combined water
- Proposed foul water
- Proposed surface water
- Foul water pipe to be abandoned
- Surface water pipe to be abandoned
- Combined water pipe to be abandoned
- RWP
- Existing Geocellular surface water attenuation
- Flow control chamber
- Proposed foul water manhole
- Proposed rain garden
- Proposed detention basin
- Proposed swale
- Class 1 Full Retention Separator
- Existing Building
- Proposed Building
- Proposed landscaping
- Development Boundary
- Area excluded from assessment
- Planning application red line boundary

- Below ground drainage notes**
1. The location and level of existing drainage connections and existing services is to be checked prior to commencement of drainage works. Any variance to the details on this drawing and the schedule is to be brought to the attention of the Engineer.
  2. The design is based on the information available on the date of issue from other parties (e.g. Architect, Landscape Architect and M&E Engineer) and:
    - Survey Solutions Topographic & Utilities Survey Undated
    - Unknown origin Topographic & Utilities Survey Undated
    - MLM As-built Construction Pack Homestead 2020
    - MLM As-built Construction Pack Teaching Building 2021
    - CDG As-built Construction Pack Construction Centre 2024
    - CDG As-built Construction Pack Sports Pavilion 2025
  - It is subject to change resulting from updates to the available information from others.
  3. The proposed drainage layout of both foul and surface water is subject to detailed design and coordination with the design team. All manhole cover and invert levels shown are approximate and are to suit the final ground and building levels.
  4. The positions of surface water drainage points are indicative only at this stage. Inclusion of further drainage to support proposals subject to design development through later stages.
  5. Private foul and surface water drainage is to be constructed in accordance with Building Regulations Part H, BS EN 752 and BS EN 12056.
  6. All drainage excavations should be risk assessed by the contractor to ensure trench safety / stabilisation measures are considered during the construction period. Any excavations left exposed should be inspected by a competent person on a daily basis. Ground conditions should be monitored and tool box talks should include site investigation information to aid the contractors ongoing risk assessment and method of excavation. All excavations should be assessed by a competent person for confined spaces requirements.
  7. The contractor is to consider phasing of the drainage installation and are to provide temporary drainage measures they determine are required.
  8. SuDS are to be installed in accordance with the recommendations made within the CIRIA SuDS Manual C753 (with particular attention drawn to chapter 31) and CIRIA Guidance on the Construction of SuDS C768. It is the responsibility of the contractor to consider construction programme of SuDS.
  9. Infiltration is not considered feasible at this stage due to the presence of groundwater, the inherent dissolution risk of the underlying structureless Chalk and the varying ground media found on site to date, much of which containing Clay. The alternate discharge method of infiltration for proposed SuDS subject to further site investigation but envisaged isolated to shallow at source features (e.g. permeable paving).
  10. All permeable paving and rain gardens proposed for conveyance only at this stage. The inclusion of flow controls to reduce end of line detention basins subject to detailed design. However, is limited to SuDS lying outside the surface water flow path through the College. Refer to Elliott Wood Exceedance Plans for reference.

**Detention Basin 03**  
 Top of Basin 80.350 (733.2m)  
 Freeboard Level 80.050 (645.1m)  
 Base of Basin 78.050 (187.726m)  
 Base of Wet Bench 77.650  
 Slope 1:3  
 Volume of Attenuation 950m<sup>3</sup>  
 \*Detention basin sized to accommodate the 100yr + 40% CC storm with sensitivity check against the 100yr + 40% CC storm followed by a peak 30yr storm shown contained with the 300mm pond freeboard

Permeable paving to drain to adjacent surface water network via perforated pipes not shown

Proposed connection to existing surface water drainage network at IL 77.945 - invert level to be confirmed via further CCTV survey

Adjacent landscaping to form localised depression in detention basin maintenance strip for exceedance routing to adjacent landscaping

1.5m maintenance strip  
1.5m dry bench

Minor resurfacing works to existing footway - drainage to remain as existing (TBC via further CCTV survey)

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.  
Do not scale from this drawing.  
All drawings to be printed in colour.

**NOT FOR CONSTRUCTION**

Rev	Date	By	Chk	Description
PO4	19.09.25	GGo	NCU	For Planning
PO3	17.09.25	GGo	NCU	Draft for Planning
PO2	08.08.25	GGo	NCU	Draft for Planning
PO1	01.08.25	GGo	NCU	Draft for Planning

Drawing title  
**Proposed Drainage Layout Sheet 13**

Scale: 1:250 @ A1  
EWP Project  
Date: 22/02/24  
Date: Sep 2024  
Drawn: GGo

**ElliottWood**  
 Fitzrovia • Wimbledon • Nottingham  
 • info@elliottwood.co.uk  
 • +44(0)20-7499-5888

Project  
**Oaklands College**

Design Phase	Status	Revision
For Planning	S4	PO4

[Project]-[Origin]-[Function]-[Spatial]-[Form]-[Discipline]-[No.]  
2240224-EWP-ZZ-00-DR-C-10013



**LEGEND**

- Existing combined water manhole
- Existing foul water manhole
- Existing surface water manhole
- Existing combined water
- Existing foul water
- Existing surface water
- Proposed combined water manhole
- Proposed foul water manhole
- Proposed surface water manhole
- Proposed combined water
- Proposed foul water
- Proposed surface water
- Foul water pipe to be abandoned
- Surface water pipe to be abandoned
- Combined water pipe to be abandoned
- Rain water pipe
- Existing Geocellular surface water attenuation
- Flow control chamber
- Proposed permeable paving
- Proposed rain garden
- Proposed detention basin
- Proposed swale
- Class 1 Full Retention Separator
- Existing Building
- Proposed Building
- Proposed landscaping
- Development Boundary
- Area excluded from assessment
- Planning application red line boundary

- Below ground drainage notes**
1. The location and level of existing drainage connections and existing services is to be checked prior to commencement of drainage works. Any variance to the details on this drawing and the schedule is to be brought to the attention of the Engineer.
  2. The design is based on the information available on the date of issue from other parties (e.g. Architect, Landscape Architect and M&E Engineer) and:
    - Survey Solutions Topographic & Utilities Survey Undated
    - Unknown origin Topographic & Utilities Survey Undated
    - MLM As-built Construction Pack Homestead 2020
    - MLM As-built Construction Pack Teaching Building 2021
    - CDG As-built Construction Pack Construction Centre 2024
    - CDG As-built Construction Pack Sports Pavilion 2025
  - It is subject to change resulting from updates to the available information from others.
  3. The proposed drainage layout of both foul and surface water is subject to detailed design and coordination with the design team. All manhole cover and invert levels shown are approximate and are to suit the final ground and building levels.
  4. The positions of surface water drainage points are indicative only at this stage. Inclusion of further drainage to support proposals subject to design development through later stages.
  5. Private foul and surface water drainage is to be constructed in accordance with Building Regulations Part H, BS EN 752 and BS EN 12056.
  6. All drainage excavations should be risk assessed by the contractor to ensure trench safety / stabilisation measures are considered during the construction period. Any excavations left exposed should be inspected by a competent person on a daily basis. Ground conditions should be monitored and tool box talks should include site investigation information to aid the contractors ongoing risk assessment and method of excavation. All excavations should be assessed by a competent person for confined spaces requirements.
  7. The contractor is to consider phasing of the drainage installation and are to provide temporary drainage measures they determine are required.
  8. SuDS are to be installed in accordance with the recommendations made within the CIRIA SuDS Manual C753 (with particular attention drawn to chapter 31) and CIRIA Guidance on the Construction of SuDS C768. It is the responsibility of the contractor to consider construction programme of SuDS.
  9. Infiltration is not considered feasible at this stage due to the presence of groundwater, the inherent dissolution risk of the underlying structureless Chalk and the varying ground media found on site to date, much of which containing Clay. The alternate discharge method of infiltration for proposed SuDS subject to further site investigation but envisaged isolated to shallow at source features (e.g. permeable paving).
  10. All permeable paving and rain gardens proposed for conveyance only at this stage. The inclusion of flow controls to reduce end of line detention basins subject to detailed design. However, is limited to SuDS lying outside the surface water flow path through the College. Refer to Elliott Wood Exceedance Plans for reference.

**Class 1 Full Retention Separator**  
 Unit Reference: SPEL 300 Series Purceptor P02011C/SC (or similar)  
 Unit Arrangement: 3.540m (L) x 1.825m (D) tank with connection to BMS  
 \*Levels are TBC subject to confirmation of proposed road levels  
 \*Allowance to treat maximum hardstanding area of ~1,100m<sup>2</sup>  
 \*In the event of a spill the automatic closure device on this unit would shut and therefore capture the spillage completely  
 \*MEP Engineer to make allowance for connection to the site BMS system  
 \*Routing of separator vent pipe and cable duct and location of control panel to be coordinated with Architect and MEP Engineer  
 \*Allowance for concrete surround to tank subject to confirmation with manufacturer

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.  
 Do not scale from this drawing.  
 All drawings to be printed in colour.

**NOT FOR CONSTRUCTION**

Rev	Date	By	Chk	Description
PO4	19.09.25	GGo	NCu	For Planning
PO3	17.09.25	GGo	NCu	Draft for Planning
PO2	08.08.25	GGo	NCu	Draft for Planning
PO1	01.08.25	GGo	NCu	Draft for Planning

Drawing title  
**Proposed Drainage Layout Sheet 14**

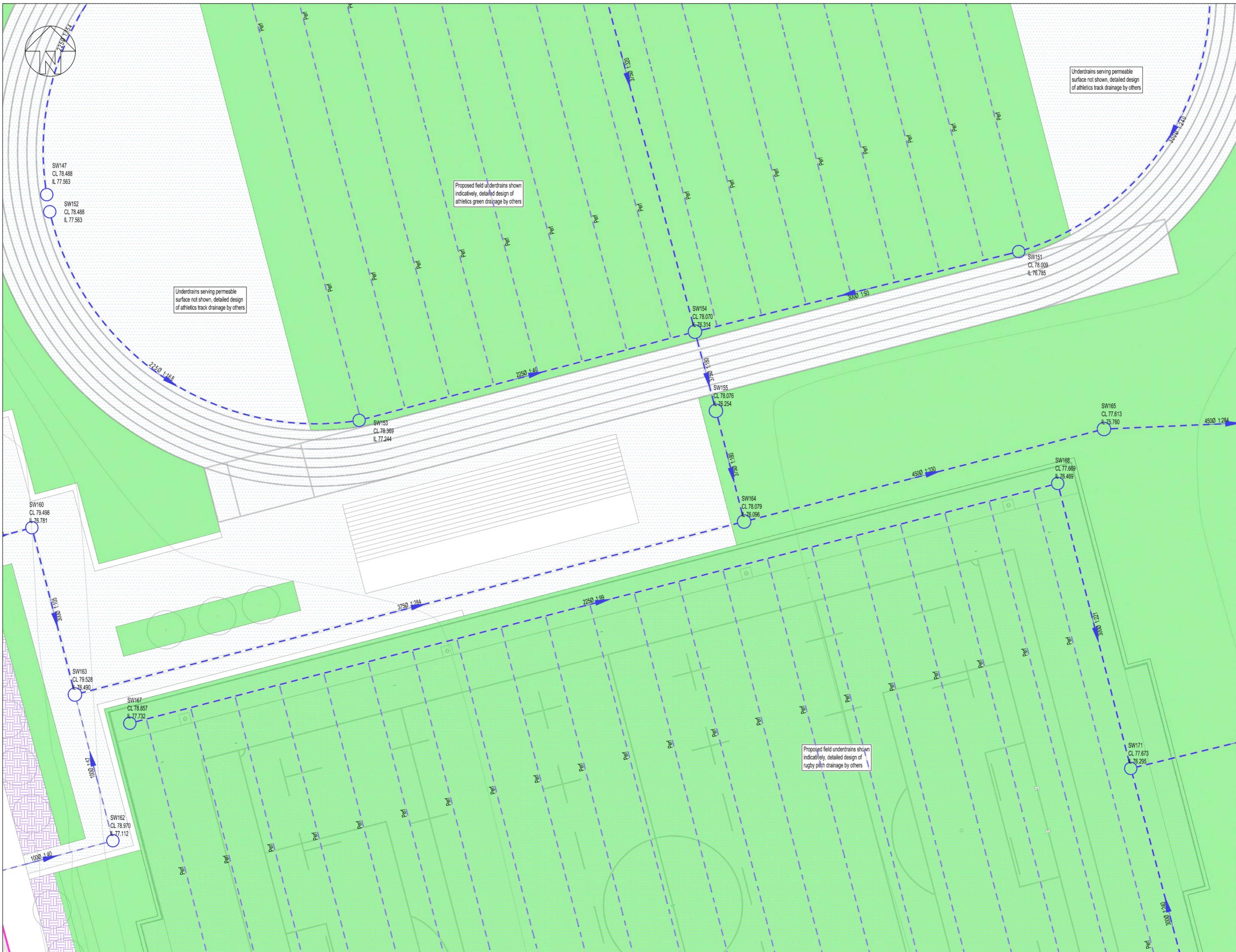
Scale: 1:250 @ A1      EWP Project      Date: 22/02/24      Drawn: GGo

**ElliottWood**  
 Fitzrovia • Wimbledon • Nottingham  
 • info@elliottwood.co.uk  
 • +44 (0) 20-7499-5888

Project  
**Oaklands College**

Design Phase	Status	Revision
For Planning	S4	PO4

[Project]-[Origin]-[Function]-[Spatial]-[Form]-[Discipline]-[No.]  
 2240224-EWP-ZZ-00-DR-C-10014



**LEGEND**

- Existing combined water manhole
- Existing foul water manhole
- Existing surface water manhole
- Existing combined water
- Existing foul water
- Existing surface water
- Proposed combined water manhole
- Proposed foul water manhole
- Proposed surface water manhole
- Proposed combined water
- Proposed foul water
- Proposed surface water
- Foul water pipe to be abandoned
- Surface water pipe to be abandoned
- Combined water pipe to be abandoned
- Rain water pipe
- RWP
- Existing Geocellular surface water attenuation
- Flow control chamber
- Proposed permeable paving
- Proposed rain garden
- Proposed detention basin
- Proposed swale
- Class 1 Full Retention Separator
- Existing Building
- Proposed Building
- Proposed landscaping
- Development Boundary
- Area excluded from assessment
- Planning application red line boundary

- Below ground drainage notes**
- The location and level of existing drainage connections and existing services is to be checked prior to commencement of drainage works. Any variance to the details on this drawing and the schedule is to be brought to the attention of the Engineer.
  - The design is based on the information available on the date of issue from other parties (e.g. Architect, Landscape Architect and M&E Engineer) and:
    - Survey Solutions Topographic & Utilities Survey Undated
    - Unknown origin Topographic & Utilities Survey Undated
    - MLM As-built Construction Pack Homestead 2020
    - MLM As-built Construction Pack Teaching Building 2021
    - CDG As-built Construction Pack Construction Centre 2024
    - CDG As-built Construction Pack Sports Pavilion 2025
 It is subject to change resulting from updates to the available information from others.
  - The proposed drainage layout of both foul and surface water is subject to detailed design and coordination with the design team. All manhole cover and invert levels shown are approximate and are to suit the final ground and building levels.
  - The positions of surface water drainage points are indicative only at this stage. Inclusion of further drainage to support proposals subject to design development through later stages.
  - Private foul and surface water drainage is to be constructed in accordance with Building Regulations Part H, BS EN 752 and BS EN 12056.
  - All drainage excavations should be risk assessed by the contractor to ensure trench safety/stabilisation measures are considered during the construction period. Any excavations left exposed should be inspected by a competent person on a daily basis. Ground conditions should be monitored and tool box talks should include site investigation information to aid the contractors ongoing risk assessment and method of excavation. All excavations should be assessed by a competent person for confined spaces requirements.
  - The contractor is to consider phasing of the drainage installation and are to provide temporary drainage measures they determine are required.
  - SuDS are to be installed in accordance with the recommendations made within the CIRIA SuDS Manual C753 (with particular attention drawn to chapter 31) and CIRIA Guidance on the Construction of SuDS C768. It is the responsibility of the contractor to consider construction programme of SuDS.
  - Infiltration is not considered feasible at this stage due to the presence of groundwater, the inherent dissolution risk of the underlying structureless Chalk and the varying ground media found on site to date, much of which containing Clay. The alternate discharge method of infiltration for proposed SuDS subject to further site investigation but envisaged isolated to shallow at source features (e.g. permeable paving).
  - All permeable paving and rain gardens proposed for conveyance only at this stage. The inclusion of flow controls to reduce end of line detention basins subject to detailed design. However, is limited to SuDS lying outside the surface water flow path through the College. Refer to Elliott Wood Exceedance Plans for reference.

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.  
Do not scale from this drawing.  
All drawings to be printed in colour.

**NOT FOR CONSTRUCTION**

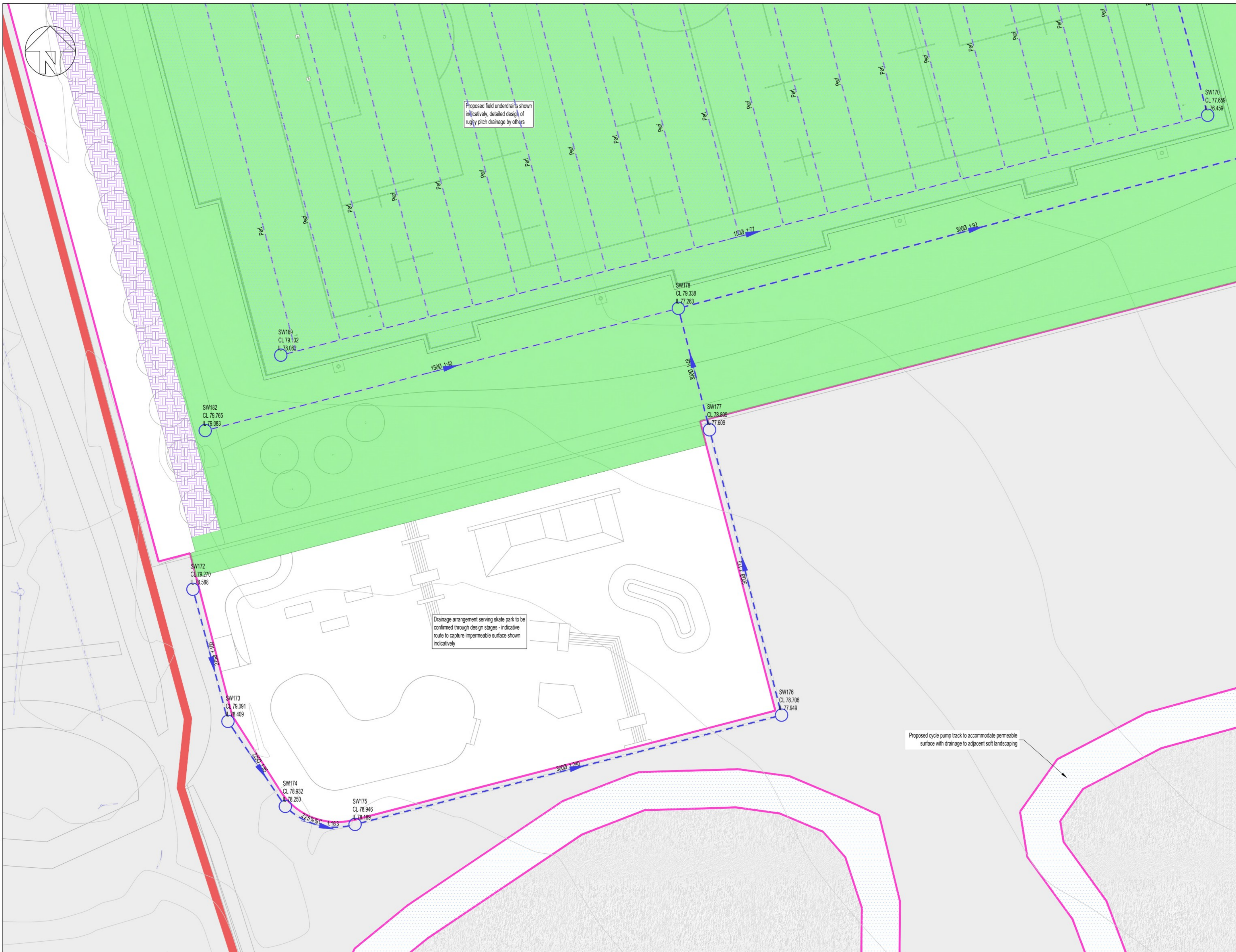
Rev	Date	By	Chk	Description
P04	19.09.25	GGo	NCu	For Planning
P03	17.09.25	GGo	NCu	Draft for Planning
P02	08.08.25	GGo	NCu	Draft for Planning
P01	01.08.25	GGo	NCu	Draft for Planning

Drawing title  
**Proposed Drainage Layout Sheet 15**

Scale: 1:250 @ A1  
EWP Project  
Date: 22/02/24  
Date: Sep 2024  
Drawn: GGo

**ElliottWood**  
Fitzrovia • Wimbledon • Nottingham  
info@elliottwood.co.uk  
+44(0)20-7499-5888

Project <b>Oaklands College</b>	
Design Phase <b>For Planning</b>	Status <b>S4</b>
Revision <b>PO4</b>	
[Project]-[Origin]-[Function]-[Spatial]-[Form]-[Discipline]-[No.] <b>2240224-EWP-ZZ-00-DR-C-10015</b>	



- LEGEND**
- Existing combined water manhole
  - Existing foul water manhole
  - Existing surface water manhole
  - Existing combined water
  - Existing surface water
  - Existing foul water
  - Proposed combined water manhole
  - Proposed foul water manhole
  - Proposed surface water manhole
  - Proposed combined water
  - Proposed surface water
  - Proposed foul water
  - Proposed surface water
  - Foul water pipe to be abandoned
  - Surface water pipe to be abandoned
  - Combined water pipe to be abandoned
  - Rain water pipe
  - Existing Geocellular surface water attenuation
  - Flow control chamber
  - Proposed permeable paving
  - Proposed rain garden
  - Proposed detention basin
  - Proposed swale
  - Class 1 Full Retention Separator
  - Existing Building
  - Proposed Building
  - Proposed landscaping
  - Development Boundary
  - Area excluded from assessment
  - Planning application red line boundary

- Below ground drainage notes**
- The location and level of existing drainage connections and existing services is to be checked prior to commencement of drainage works. Any variance to the details on this drawing and the schedule is to be brought to the attention of the Engineer.
  - The design is based on the information available on the date of issue from other parties (e.g. Architect, Landscape Architect and M&E Engineer) and:
    - Survey Solutions Topographic & Utilities Survey Undated
    - Unknown origin Topographic & Utilities Survey Undated
    - MLM As-built Construction Pack Teaching Building 2021
    - CDG As-built Construction Pack Construction Centre 2024
    - CDG As-built Construction Pack Sports Pavilion 2025
 It is subject to change resulting from updates to the available information from others.
  - The proposed drainage layout of both foul and surface water is subject to detailed design and coordination with the design team. All manhole cover and invert levels shown are approximate and are to suit the final ground and building levels.
  - The positions of surface water drainage points are indicative only at this stage. Inclusion of further drainage to support proposals subject to design development through later stages.
  - Private foul and surface water drainage is to be constructed in accordance with Building Regulations Part H, BS EN 752 and BS EN 12056.
  - All drainage excavations should be risk assessed by the contractor to ensure trench safety/ stabilisation measures are considered during the construction period. Any excavations left exposed should be inspected by a competent person on a daily basis. Ground conditions should be monitored and tool box talks should include site investigation information to aid the contractors ongoing risk assessment and method of excavation. All excavations should be assessed by a competent person for confined spaces requirements.
  - The contractor is to consider phasing of the drainage installation and are to provide temporary drainage measures they determine are required.
  - SuDS are to be installed in accordance with the recommendations made within the CIRIA SuDS Manual C753 (with particular attention drawn to chapter 31) and CIRIA Guidance on the Construction of SuDS C768. It is the responsibility of the contractor to consider construction programme of SuDS.
  - Infiltration is not considered feasible at this stage due to the presence of groundwater, the inherent dissolution risk of the underlying structureless Chalk and the varying ground media found on site to date, much of which containing Clay. The alternate discharge method of infiltration for proposed SuDS subject to further site investigation but envisaged isolated to shallow at source features (e.g. permeable paving).
  - All permeable paving and rain gardens proposed for conveyance only at this stage. The inclusion of flow controls to reduce end of line detention basins subject to detailed design. However, is limited to SuDS lying outside the surface water flow path through the College. Refer to Elliott Wood Exceedance Plans for reference.

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.  
Do not scale from this drawing.  
All drawings to be printed in colour.

**NOT FOR CONSTRUCTION**

Rev	Date	By	Chk	Description
P04	19.09.25	GGo	NCU	For Planning
P03	17.09.25	GGo	NCU	Draft for Planning
P02	08.08.25	GGo	NCU	Draft for Planning
P01	01.08.25	GGo	NCU	Draft for Planning

Drawing title  
**Proposed Drainage Layout Sheet 16**

Scale: 1:250 @ A1  
EWP Project  
Date: 22/02/24  
Date: Sep 2024  
Drawn: GGo

**ElliottWood**  
Fitzrovia • Wimbledon • Nottingham  
•info@elliottwood.co.uk  
•+44(0)20-7499-5888

Project <b>Oaklands College</b>	
Design Phase <b>For Planning</b>	Status <b>S4</b>
Revision <b>PO4</b>	
[Project]-[Origin]-[Function]-[Spatial]-[Form]-[Discipline]-[No.] <b>2240224-EWP-ZZ-00-DR-C-10016</b>	



**LEGEND**

- Existing combined water manhole
- Existing foul water manhole
- Existing surface water manhole
- Existing combined water
- Existing foul water
- Existing surface water
- Proposed combined water manhole
- Proposed foul water manhole
- Proposed surface water manhole
- Proposed combined water
- Proposed foul water
- Proposed surface water
- - - Foul water pipe to be abandoned
- - - Surface water pipe to be abandoned
- - - Combined water pipe to be abandoned
- Rain water pipe
- Existing Geocellular surface water attenuation
- Flow control chamber
- Proposed permeable paving
- Proposed rain garden
- Proposed detention basin
- Proposed swale
- Class 1 Full Retention Separator
- Existing Building
- Proposed Building
- Proposed landscaping
- Development Boundary
- Area excluded from assessment
- Planning application red line boundary

- Below ground drainage notes**
1. The location and level of existing drainage connections and existing services is to be checked prior to commencement of drainage works. Any variance to the details on this drawing and the schedule is to be brought to the attention of the Engineer.
  2. The design is based on the information available on the date of issue from other parties (e.g. Architect, Landscape Architect and M&E Engineer) and:
    - Survey Solutions Topographic & Utilities Survey Updated
    - Unknown origin Topographic & Utilities Survey Updated
    - MLM As-built Construction Pack Homestead 2020
    - MLM As-built Construction Pack Teaching Building 2021
    - CDG As-built Construction Pack Construction Centre 2024
    - CDG As-built Construction Pack Sports Pavilion 2025
  - It is subject to change resulting from updates to the available information from others.
  3. The proposed drainage layout of both foul and surface water is subject to detailed design and coordination with the design team. All manhole cover and invert levels shown are approximate and are to suit the final ground and building levels.
  4. The positions of surface water drainage points are indicative only at this stage. Inclusion of further drainage to support proposals subject to design development through later stages.
  5. Private foul and surface water drainage is to be constructed in accordance with Building Regulations Part H, BS EN 752 and BS EN 12056.
  6. All drainage excavations should be risk assessed by the contractor to ensure trench safety / stabilisation measures are considered during the construction period. Any excavations left exposed should be inspected by a competent person on a daily basis. Ground conditions should be monitored and tool box talks should include site investigation information to aid the contractors ongoing risk assessment and method of excavation. All excavations should be assessed by a competent person for confined spaces requirements.
  7. The contractor is to consider phasing of the drainage installation and are to provide temporary drainage measures they determine are required.
  8. SuDS are to be installed in accordance with the CIRIA SuDS Manual C753 (with particular attention drawn to chapter 31) and CIRIA Guidance on the Construction of SuDS C768. It is the responsibility of the contractor to consider construction programme of SuDS.
  9. Infiltration is not considered feasible at this stage due to the presence of groundwater, the inherent dissolution risk of the underlying structureless Chalk and the varying ground media found on site to date, much of which containing Clay. The alternate discharge method of infiltration for proposed SuDS subject to further site investigation but envisaged isolated to shallow at source features (e.g. permeable paving).
  10. All permeable paving and rain gardens proposed for conveyance only at this stage. The inclusion of flow controls to reduce end of line detention basins subject to detailed design. However, is limited to SuDS lying outside the surface water flow path through the College. Refer to Elliott Wood Exceedance Plans for reference.

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.  
Do not scale from this drawing.  
All drawings to be printed in colour.

**NOT FOR CONSTRUCTION**

Rev	Date	By	Chk	Description
P04	19.09.25	GGo	NCu	For Planning
P03	17.09.25	GGo	NCu	Draft for Planning
P02	08.08.25	GGo	NCu	Draft for Planning
P01	01.08.25	GGo	NCu	Draft for Planning

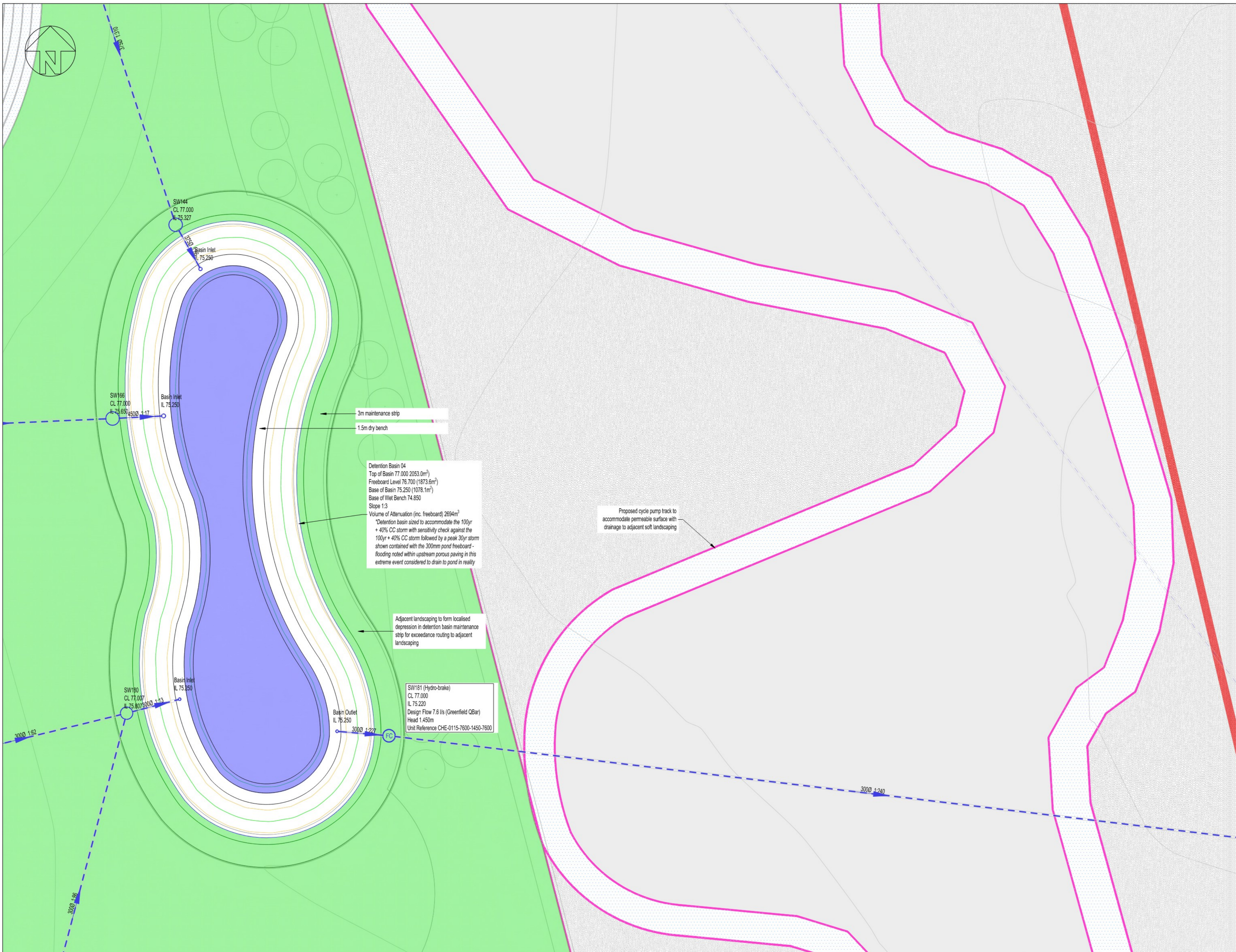
Drawing title  
**Proposed Drainage Layout Sheet 17**

Scale: 1:250 @ A1      EWP Project      Date: 22/09/2024      Drawn: GGo

**ElliottWood**

Fitzrovia • Wimbledon • Nottingham  
• info@elliottwood.co.uk  
• +44 (0) 20-7499-5888

Project <b>Oaklands College</b>	
Design Phase <b>For Planning</b>	Status <b>S4</b>
Revision <b>PO4</b>	
[Project]-[Origin]-[Spatial]-[Form]-[Discipline]-[No.] <b>2240224-EWP-ZZ-00-DR-C-10017</b>	



**LEGEND**

- Existing combined water manhole
- Existing foul water manhole
- Existing surface water manhole
- Existing combined water
- Existing foul water
- Existing surface water
- Proposed combined water manhole
- Proposed foul water manhole
- Proposed surface water manhole
- Proposed combined water
- Proposed foul water
- Proposed surface water
- Foul water pipe to be abandoned
- Surface water pipe to be abandoned
- Combined water pipe to be abandoned
- Rain water pipe
- RWP
- Existing Geocellular surface water attenuation
- Flow control chamber
- Proposed permeable paving
- Proposed rain garden
- Proposed detention basin
- Proposed swale
- Class 1 Full Retention Separator
- Existing Building
- Proposed Building
- Proposed landscaping
- Development Boundary
- Area excluded from assessment
- Planning application red line boundary

- Below ground drainage notes**
- The location and level of existing drainage connections and existing services is to be checked prior to commencement of drainage works. Any variance to the details on this drawing and the schedule is to be brought to the attention of the Engineer.
  - The design is based on the information available on the date of issue from other parties (e.g. Architect, Landscape Architect and M&E Engineer) and:
    - Survey Solutions Topographic & Utilities Survey Undated
    - Unknown origin Topographic & Utilities Survey Undated
    - MLM As-built Construction Pack Homestead 2020
    - MLM As-built Construction Pack Teaching Building 2021
    - CDG As-built Construction Pack Construction Centre 2024
    - CDG As-built Construction Pack Sports Pavilion 2025
 It is subject to change resulting from updates to the available information from others.
  - The proposed drainage layout of both foul and surface water is subject to detailed design and coordination with the design team. All manhole cover and invert levels shown are approximate and are to suit the final ground and building levels.
  - The positions of surface water drainage points are indicative only at this stage. Inclusion of further drainage to support proposals subject to design development through later stages.
  - Private foul and surface water drainage is to be constructed in accordance with Building Regulations Part H, BS EN 752 and BS EN 12056.
  - All drainage excavations should be risk assessed by the contractor to ensure trench safety / stabilisation measures are considered during the construction period. Any excavations left exposed should be inspected by a competent person on a daily basis. Ground conditions should be monitored and tool box talks should include site investigation information to aid the contractors ongoing risk assessment and method of excavation. All excavations should be assessed by a competent person for confined spaces requirements.
  - The contractor is to consider phasing of the drainage installation and are to provide temporary drainage measures they determine are required.
  - SuDS are to be installed in accordance with the recommendations made within the CIRIA SuDS Manual C753 (with particular attention drawn to chapter 31) and CIRIA Guidance on the Construction of SuDS C768. It is the responsibility of the contractor to consider construction programme of SuDS.
  - Infiltration is not considered feasible at this stage due to the presence of groundwater, the inherent dissolution risk of the underlying structureless Chalk and the varying ground media found on site to date, much of which containing Clay. The alternate discharge method of infiltration for proposed SuDS subject to further site investigation but envisaged isolated to shallow at source features (e.g. permeable paving).
  - All permeable paving and rain gardens proposed for conveyance only at this stage. The inclusion of flow controls to reduce end of line detention basins subject to detailed design. However, is limited to SuDS lying outside the surface water flow path through the College. Refer to Elliott Wood Exceedance Plans for reference.

**Detention Basin 04**  
 Top of Basin 77.000 (2053.0m<sup>2</sup>)  
 Freeboard Level 76.700 (1873.6m<sup>2</sup>)  
 Base of Basin 75.250 (1078.1m<sup>2</sup>)  
 Base of Wet Bench 74.850  
 Slope 1:3  
 Volume of Attenuation (inc. freeboard) 2694m<sup>3</sup>  
 \*Detention basin sized to accommodate the 100yr + 40% CC storm with sensitivity check against the 100yr + 40% CC storm followed by a peak 30yr storm shown contained within the 300mm pond freeboard - flooding noted within upstream porous paving in this extreme event considered to drain to pond in reality

Adjacent landscaping to form localised depression in detention basin maintenance strip for exceedance routing to adjacent landscaping

SW181 (Hydro-brake)  
 CL 77.000  
 IL 75.220  
 Design Flow 7.6 l/s (Greenfield QBar)  
 Head 1.450m  
 Unit Reference CHE-0115-7600-1450-7600

Proposed cycle pump track to accommodate permeable surface with drainage to adjacent soft landscaping

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.  
 Do not scale from this drawing.  
 All drawings to be printed in colour.

**NOT FOR CONSTRUCTION**

Rev	Date	By	Chk	Description
P04	19.09.25	GGo	NCu	For Planning
P03	17.09.25	GGo	NCu	Draft for Planning
P02	08.08.25	GGo	NCu	Draft for Planning
P01	01.08.25	GGo	NCu	Draft for Planning

Drawing title  
**Proposed Drainage Layout Sheet 18**

Scale: 1:250 @ A1  
 EWP Project  
 Date: 22/02/24  
 Date: Sep 2024  
 Drawn: GGo

**ElliottWood**  
 Fitzrovia • Wimbledon • Nottingham  
 • info@elliottwood.co.uk  
 • +44(0)20-7499-5888

Design Phase	Status	Revision
For Planning	S4	PO4
[Project]-[Origin]-[Function]-[Spatial]-[Form]-[Discipline]-[No.]		
2240224-EWP-ZZ-00-DR-C-10018		