CONSTRUCTION PHASE SURFACE WATER MANAGEMENT PLAN

Grange Moor, Huddersfield

Reference:	**Y22054/RWO/SWCMP.1**
Date:	**November 2025**
Version:	**2**

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CONFIDENTIALITY STATEMENT

This report is addressed to and may be relied upon by the following:

Yorkshire County Properties

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DOCUMENT HISTORY

VERSION	PURPOSE/DESCRIPTION	DATE
1	First Issue	12.11.2025
2	Drawing Updated – Minor changes to Drainage	17.11.2025

1.0 INTRODUCTION

This document details the surface water management process required during the construction phase of the proposed residential development at Grange Moor, Huddersfield for Yorkshire County Properties. The document is laid out detailing:

- A description of management process to be followed.
- Working practices to be adopted
- A drawing identifying phasing works and soil strip

2.0 SITE MANAGEMENT

Site management is critical to ensuring surface water management in the temporary condition is met with both in terms of volume and quality.

Water Volume

The volume of water is a key issue for this site given the agreed surface water discharge rate offsite. In addition, the site is raised above the developments to the north which needs consideration and management. The site discharges to an existing Yorkshire Water surface water sewer located to east of site.

To afford protection to the boundaries, bunds should be formed during these phases of construction to ensure overland flows do not impact on offsite parties. It is proposed that the road and sewers are constructed following the build route, with the online attenuation tank being constructed as part of the phase 1 works, along with installation of the flow control downstream, to allow temporary collection and storage of surface water. This will ensure that site wide attenuation is in place along with providing a restricted discharge to manage surface water flows.

Interceptor drains will be constructed as part of the proposed works which will ensure the surround areas are protected from the outset, along with the new build properties constructed as part of this development. In addition, the boundary interceptor drain will be constructed as part of the enabling works, which will ensure the adjacent site surrounding/properties to the development are protected from the outset.

Water Quality

During construction managing water quality is a key issue. For this reason, it is proposed to minimise topsoil strip to areas as identified in the proposed phasing plan. with an interceptor drain located on the low edge along with a sump to capture materials, with a straw bale located in each sump to provide treatment in the event of a spillage. The water from the sumps will be discharged back to the attenuated system before discharging via the flow control and into watercourse.

The first set of highway gullies are to be installed at the site access at binder level to ensure any over land flows are collected and conveyed back into the drainage network on site. This will also ensure that the onsite flows are not directed onto the existing road serving the site.

The site Engineer should report any uncontrolled spillage directly to the LLFA and Environment Agency.

A method statement is included in **Appendix A**.

3.0 WORKING PRACTICES TO BE USED

As the site work is undertaken it is critical that good working practices are adopted throughout the process.

1. Vehicles to have their wheels washed before leaving the site and waters captured and/or a road sweeper present on site to ensure areas outside the development.
2. Adoptable drainage, online attenuation tank and flow control to be constructed.
3. Bunds to the boundaries are to be installed.
4. Drainage ditches to be formed in areas of soil strip with sumps formed.
5. Sumps to be used to trap silts and debris prior to discharging to the below ground drainage and ultimately the public sewer.
6. Straw bales to be placed in sumps and outlets into the SuDS basin to assist with managing pollution.
7. The final SuDS treatment is to be installed to ensure a secondary level of treatment.
8. Any land drains which are intercepted during construction must be recorded and diverted into boundary drain/interceptor drain.
9. Roads to be constructed to binder course with gullies constructed at the same level.
10. The above is to be reviewed on an ongoing basis to ensure the site water quality and water quantity is managed.

The inclusion of these measures will ensure water quality and volume are managed in accordance with current working practice guidelines.

Appendix A - Method Statement

METHOD STATEMENT:
Grange Moor, Huddersfield
Surface Water Construction Phase Management Plan

Prepared by	NA	Date	12/11/2025	Approved By	Date
Checked By	AE	Date	12/11/2025		

1	**Work element** Construction of new development and management of surface water during construction works
2	**Resources' and specialist Resources' required** Labourers, site engineer, numerous hand tools, plant and materials.
3	**The Health and Safety Policy is available electronically for all employees and subcontractors to access in the site office**
4	**Duration** The work operation will last 12 Months TBC The site operations are programmed for TBC Site Hours are 8.00am – 5.00pm TBC
5	**References and Associated Information** HASWA 1974 CDM 2007 LOLER 1998 BS 8476 PPG Pollution Prevention Guidance
6	**Health and Safety** Monitored by the Health & Safety Advisor for Yorkshire County Properties. Contractor Supervision and Management Visiting Health and Safety Advisors
7	**Supervision** Your direct supervisors are (Yorkshire County Properties – Site Manager)
8	**Method/Sequence of work/Health & Safety** **Health & Safety** • Prior to works commencing the contractor will need to ensure that the Health & Safety of the site is fully considered. • The site is currently Greenfield in nature and the existing NWL sewers and existing watercourse will need to be protected from potential pollutants. • The site and surrounding working area where work is being undertaken is to be fully cordoned off with suitable fencing. • The vehicle/Plant banksman shall keep the plant parked up until safe access to the site is available. • The works them self will require a temporary discharge of Surface Water to the existing watercourse at a restricted rate. • It will be the responsibility of the site manager to ensure that the existing NWL sewers, watercourse and adjacent developments are protected from any potential construction materials and associated debris.

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- The three elements of work need considering protection to the surrounding area during construction and protection to the existing sewers, watercourse and adjacent developments during construction.

Method/Sequence of works

- The first element is the site strip and affording the surrounding area protection from overland flows.
- The topographical survey has been reviewed and identifies that the site generally slopes from south to north.
- A boundary/interceptor drain will need formed along the boundary to the adjacent development. A further boundary interceptor drain will be required to the remaining boundaries for additional protection measures and can be removed on completion of each relevant build phase.
- Following the construction of phase 1 roads and sewers phasing topsoil strip can be undertaken.
- Based upon the general falls a bund and channel interceptor drain must be formed on the low side of each parcel land which has had topsoil stripped.
- The interceptor drain will need a sump formed at the low point with straw bale placed within. The sump will ensure that any materials are captured and not discharged to the existing watercourse.
- The forming of the interceptor drain will ensure that the existing residential dwellings are afforded protection from overland flows and no increase in flood risk occurs.
- In case of any onsite spillage occurring, there will need to be straw bales placed at the sumps creating a forebay during the construction.
- As a further measure to reduce the risk of a pollution incident occurring all plant should be checked daily for oil leaks by the site manager or their chosen designate.
- Any hazardous liquids or materials should be stored in a bunded area in accordance with relevant legislation.
- Should any environmental incident occur the site manager is to report this immediately to the Environment Agency.

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Appendix B - CPSWMP

PROPOSED DRAINAGE

KEY

- SITE BOUNDARY
- EXISTING ADOPTED SURFACE WATER (EX. 300Ø; EXSWMH CL 0.000 IL 0.000)
- EXISTING ADOPTED FOUL WATER (EX. 300Ø; EXFWMH CL 0.000 IL 0.000)
- EXISTING ADOPTED COMBINED WATER (EX. 300Ø; EXCWMH CL 0.000 IL 0.000)
- EXISTING ADOPTED FOUL WATER RISING MAIN (160Ø)
- EXISTING EASEMENT
- EXISTING DRAINAGE TO BE ABANDONED
- EXISTING/PROPOSED DRAINAGE BY OTHERS (150Ø 1:150; #### CL 0.000 IL 0.000)
- PROPOSED ADOPTED SURFACE WATER (150Ø 1:150; SW## CL 0.000 IL 0.000)
- PROPOSED ADOPTED FOUL WATER (150Ø 1:150; FW## CL 0.000 IL 0.000)
- PROPOSED ADOPTED COMBINED WATER (150Ø 1:150; CW## CL 0.000 IL 0.000)
- PROPOSED EASEMENT
- FC — PROPOSED FLOW CONTROL
- CP — PROPOSED CATCHPIT
- PROPOSED CELLULAR STORAGE
- PROPOSED PRIVATE SURFACE WATER (150Ø 1:150)
- PROPOSED PRIVATE SURFACE WATER MANHOLE (SWMH CL 0.000 IL 0.000)
- PROPOSED PRIVATE SURFACE WATER PPIC (SWIC CL 0.000 IL 0.000)
- PROPOSED PRIVATE SW ACCESS CHAMBER (300Ø)
- RWP — PROPOSED RAINWATER PIPE
- PROPOSED DRAINAGE CHANNEL
- PROPOSED PRIVATE GULLY
- PROPOSED INTERCEPTOR DRAIN. SURFACE WATER TREATMENT TO BE ASSESSED ONSITE DURING CONSTRUCTION WITH SUMPS TO BE FORMED LOCALLY AS REQUIRED, TO ENSURE SURFACE WATER DOESN'T RUNOFF TO PUBLIC HIGHWAYS OR 3RD PARTY LAND.
- SUMP AND PUMP LOCATION
- WHEEL WASH LOCATION

DESIGN RISK NOTES:

1. IN ACCORDANCE WITH THE CONSTRUCTION (DESIGN & MANAGEMENT) REGULATIONS 2015, IT IS THE POLICY OF THIS PRACTICE TO 'DESIGN OUT' AS MANY IDENTIFIABLE RISKS AS POSSIBLE FOR THE CONSTRUCTION, OPERATION AND MAINTENANCE OF THE PROJECT.
2. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PRE CONSTRUCTION INFORMATION WHICH IS DEFINED IN THE CONSTRUCTION (DESIGN & MANAGEMENT) REGULATIONS 2015.
3. A COMPETENT CONTRACTOR SHOULD BE AWARE OF 'NORMAL' RISKS INVOLVED WITH THE CONSTRUCTION PROCESS. HOWEVER ADDITIONAL PRECAUTIONS WILL NEED TO BE CONSIDERED FOR THE FOLLOWING ITEMS:
   A) NONE IDENTIFIED.
4. SAFE METHODS AND SYSTEMS OF WORK REMAIN THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE IDENTIFIED IN THE CONSTRUCTION PHASE PLAN. THE CONSTRUCTION PHASE PLAN MUST BE IN PLACE PRIOR TO THE START OF ANY MOBILIZATION OR SITE WORKS.
5. RESIDUAL RISKS THAT HAVE BEEN IDENTIFIED AND CANNOT BE 'DESIGNED OUT' ARE AS FOLLOWS:
   A) NONE IDENTIFIED.
6. IF ANY PARTY USING THIS DRAWING CONSIDERS THAT THERE ARE 'ABNORMAL' RISKS THAT HAVE NOT BEEN IDENTIFIED ABOVE, THEN THE ENGINEER SHOULD BE NOTIFIED.

ADDITIONAL HEALTH & SAFETY NOTES:

1. CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SLIPS, TRIPS AND FALLS AND TAKE NECESSARY PRECAUTIONS WITHOUT SPECIAL INSTRUCTION.

ROADS & DRAINAGE

2. CONTRACTOR TO PROVIDE TRENCH SUPPORTS AS APPROPRIATE AND ENSURE THAT PLANT REMAINS A SAFE DISTANCE FROM TRENCHES PRIOR TO INSTALLING DRAINAGE
3. THE TIME THAT EXCAVATIONS ARE OPEN ON SITE SHOULD BE KEPT TO A MINIMUM AND ALL TRENCHES SHOULD BE SURROUNDED BY A BARRIER.
4. CONNECTIONS TO EXISTING SEWERS TO BE MADE BY APPROVED CONTRACTOR ONLY.
5. CONTRACTOR TO MAKE OPERATIVES AWARE OF ASSOCIATED DANGERS TO HEALTH SUCH AS LEPTOSPIROSIS (WEILS DISEASE) AND RECOMMENDED PRECAUTIONS. ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING TO BE PROVIDED AS REQUIRED.
6. UNFINISHED MANHOLES MUST BE COVERED WITH LOAD BEARING MATERIALS AND SURROUNDED WITH BARRIER.

PIPES & CABLES

7. CONTRACTOR TO OBTAIN ALL SERVICE RECORDS PRIOR TO WORKS COMMENCING.
8. SERVICE RECORDS TO BE REFERRED TO PRIOR TO WORK COMMENCING. CONTRACTOR TO PROCEED WITH CAUTION AND SERVICES TO BE LOCATED BY HAND DIG AND PROTECTED ACCORDINGLY.

EXCAVATION/FILL

9. CONTRACTOR TO ENSURE RELEVANT MEASURES ARE TAKEN TO KEEP PLANT AND PEOPLE A SAFE DISTANCE FROM STEEP SLOPES DURING THE WORKS.
10. CONTRACTOR TO ENSURE THAT PROCEDURES ARE IN PLACE TO KEEP PEOPLE A SAFE DISTANCE FROM WORKING PLANT WHERE NECESSARY.
11. CONTRACTOR TO REFER TO GROUND INVESTIGATION REPORT FOR CONTAMINATION TESTS AND TO PROVIDE ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING AS REQUIRED.
12.

PIPE MATERIALS

- **150-225Ø: UPVC PIPES TO BE BSI KITEMARKED AND CERTIFIED TO WIS 4-35-01 & BS/EN13476.**
- **300-600Ø: CONCRETE PIPES TO BE BSI KITEMARKED, CLASS 120 CONCRETE & CERTIFIED TO BS5911 & 1916.**

DRAINAGE NOTES:

1. ALL PIPES 100Ø UNLESS OTHERWISE STATED.
2. ALL PRIVATE TO ADOPTABLE CONNECTIONS 150Ø UNLESS OTHERWISE STATED.
3. ALL PPIC'S IN TRAFFICKED AREAS TO HAVE D400 COVERS & CONCRETE SURROUND.
4. ALL INTERNAL PLOT DRAINAGE REQUIRES CONFIRMATION PRIOR TO CONSTRUCTION.
5. CONTRACTOR TO CONFIRM MH COVER & INVERT LEVEL OF PROPOSED CONNECTION POINT PRIOR TO CONSTRUCTION. ANY VARIATION TO BE REPORTED TO ENGINEER.
6. THE INVERT LEVEL OF THE EXISTING SEWERS ARE TO BE VERIFIED PRIOR TO COMMENCEMENT OF ANY DRAINAGE WORKS. ANY DISCREPANCY MUST BE NOTIFIED TO THE ENGINEER.
7. EXISTING MANHOLES TO BE MODIFIED TO ACCOMMODATE THE PROPOSED LATERAL CONNECTIONS. CONTRACTOR TO APPLY TO THE WATER AUTHORITY FOR THE SECTION 106 APPROVAL TO MAKE THE CONNECTIONS. PIPES ARE TO BE LAID WITH COMMON INVERT LEVELS.
8. ALL STUB PIPES ARE TO BE CAPPED.
9. ALL PIPES CONNECTIONS TO BE SOFFIT TO SOFFIT UNLESS STATED OTHERWISE. REFER TO MANHOLE SCHEDULE FOR FURTHER INFORMATION.
10. ALL PROPOSED FILTER DRAINS TO CONNECT BACK INTO PLOT DRAINAGE.
11. STONE FILLED LAND DRAINS REQUIRED IN BACK GARDENS WHERE FALLING TOWARDS PROPERTY
12. FLOOD DEFENSE WORKS APPLICATION OR EQUIVALENT TO BE MADE TO THE LOCAL AUTHORITY PRIOR TO CARRYING OUT ANY WORKS TO THE EXISTING WATERCOURSE.

DESIGN NOTES:

1. ALL WORKS TO COMPLY WITH CURRENT VERSION OF THE FOLLOWING DOCUMENTS:
   - DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)
   - SPECIFICATION FOR HIGHWAY WORKS (SHW)
   - LOCAL AUTHORITY DESIGN GUIDE AND SPECIFICATION
2. PRIOR TO COMMENCING WORKS THE CONTRACTOR SHOULD INVESTIGATE AND LOCATE AS NECESSARY ANY STATUTORY UNDERTAKERS EQUIPMENT WITHIN THE NEW ACCESS AND DISCUSS REQUIREMENTS FOR LOWERING/DIVERSION AND PROTECTION WITH THE RELEVANT UNDERTAKER.
3. ALL WORKS WITHIN THE PUBLIC HIGHWAY TO MEET LOCAL AUTHORITY REQUIREMENTS. CONTRACTOR TO APPLY FOR ROAD OPENING NOTICES ETC AS REQUIRED.
4. CBR VALUE NOT AVAILABLE. ROAD CONSTRUCTION DETAIL SUBJECT TO CONFIRMATION OF CBR VALUES. CONTRACTOR TO ALLOW FOR LAB TESTS TO BE UNDERTAKEN IN AGREEMENT WITH LOCAL AUTHORITY HIGHWAY ENGINEER PRIOR TO WORKS COMMENCING.
5. PROPOSED LEVELS HAVE BEEN BASED ON THE EXISTING TOPOGRAPHICAL SURVEY PROVIDED BY THE CLIENT.
6. PROPOSED DRAWING BASED ON THE LATEST ARCHITECTURAL LAYOUT PROVIDED BY THE CLIENT.
7. SLOPES GREATER THAN 1 IN 6 MAY REQUIRE STABILISATION. GEOTECHNICAL ENGINEER TO BE CONTACTED TO CONFIRM REQUIREMENTS

DRAINAGE NOTES

1. ALL ADOPTABLE DRAINAGE WORKS AND MATERIALS TO BE IN ACCORDANCE WITH "CODE FOR ADOPTION", THE RELEVANT BRITISH/EUROPEAN AND WATER AUTHOIRTIES 'S STANDARDS/REQUIREMENTS/ADDENDUM TO THE MECHANICAL AND ELECTRICAL SPECIFICATION AND KITEMARKED.
2. MANHOLE COVERS SHALL/MUST HAVE A CLEAR OPENING OF 600MM AND SHALL BE CLASS D400 TO BS EN 124 WITH 150MM DEEP FRAMES IN HIGHWAYS.
3. FILLED GROUND MUST BE FILLED AND CONSOLIDATED UNDER THE SUPERVISION AND TO THE SATISFACTION OF WATER AUTHOIRTIES BEFORE ANY SEWER WORKS ARE CARRIED OUT.
4. ALL ADOPTABLE SEWERS TO BE KITEMARKED (CERTIFIED TO WIS 4-35-01 AND BS/EN13476).
5. PLASTIC CHANNEL SECTIONS IN MANHOLES ARE NOT ACCEPTABLE AND THE WATER AUTHORITY PREFER CLAYWARE CHANNEL IN MANHOLES. PLASTIC CHANNELS ARE DIFFICULT TO SET IN CONCRETE BECAUSE THEY FLOAT AND A SATISFACTORY FINISH CANNOT BE OBTAINED ON THE BENCHING.
6. SULPHATE RESISTANT CEMENT (C20-DC2) AND PRECAST CONCRETE PRODUCTS MUST BE USED OR A LABORATORY REPORT PROVIDED PROVING THAT SUCH PRECAUTIONS ARE NOT NECESSARY.
7. THE ADOPTABLE SEWERS SHOULD BE A MINIMUM OF 1M AND MANHOLES 0.5M FROM KERB FACES AND SERVICE MARGINS.
8. SEWERS MUST HAVE 5 METRES CLEARANCE FROM TREES AND HEDGES.
9. SEWERS TO BE LAID IN CLASS "S" BEDDING (150MM GRANULAR BED AND SURROUND). WHERE DEPTH OF COVER TO TOP OF THE SEWER IS LESS THAN 1.2M IN HIGHWAYS AND VERGES (OR LESS THAN 900MM IN NONE VEHICULAR ACCESS AREAS) THEN A CLASS 'Z' BEDDING(CONCRETE SURROUND) SHOULD BE PROVIDED.
10. BEDDING AND BACKFILL MATERIAL TO CONFORM TO THE REQUIREMENT OF WATER INDUSTRY SPECIFICATION 4-08-02 (TABLE A2).
11. THE CHAMBER SIZE OF MANHOLES WITH MORE THAN ONE CONNECTION IN THEM MAY NEED TO BE INCREASED AN INCREMENT TO ACCOMMODATE THE CONNECTIONS AND BENDS.
12. ALL PRIVATE DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH BUILDING REGULATIONS 2010 EDITION.
13. CONTRACTOR TO ESTABLISH POSITION SIZE AND DEPTH OF ALL EXISTING SEWERS AND SERVICES PRIOR TO COMMENCEMENT ON SITE.
14. THE CONTRACTOR SHALL ALLOW FOR THE PROTECTION, TEMPORARY AND PERMANENT SUPPORT, AND TEMPORARY AND PERMANENT DIVERSION WORKS, AS NECESSARY TO ALL EXISTING SERVICES.
15. THE CONTRACTOR SHALL ALLOW FOR ALL TRAFFIC MANAGEMENT IN CONNECTION WITH ROAD AND SEWER WORKS.
16. THE CONTRACTOR SHALL ALLOW FOR KEEPING SEWER TRENCHES AND EXCAVATIONS AS DRY AS PRACTICABLE BY PUMPING FROM TEMPORARY SUMPS AND DEWATERING AS APPROPRIATE. THE POINT AND METHOD OF DISCHARGE TO BE AGREED WITH THE DRAINAGE AUTHORITY.
17. FOR PIPE SPECIFICATION PLEASE REFER TO ADDITIONAL NOTES.
18. VITRIFIED CLAY PIPES AND FITTINGS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN295 AND BS 65 RESPECTIVELY AND BE KITEMARKED. ALL PIPES SHALL BE EXTRA STRENGTH TO BS 65 OR EQUIVALENT BS EN295 PIPE CRUSHING STRENGTH.
19. STRUCTURED WALL PLASTIC PIPES TO WIS 4-35-01 MAY BE USED FOR FOUL & SURFACE WATER DRAINAGE, SUBJECT TO ADOPTING AUTHORITY APPROVAL.
20. PRECAST CONCRETE PRODUCTS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS 5911 AND BE KITEMARKED. CONCRETE PIPES TO BE CLASS 120 UNLESS NOTED OTHERWISE.
21. GULLY GRATES AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN124 AND BE OF A NON-ROCKING DESIGN WITH CAPTIVE HINGE ACCESS AND BE KITEMARKED. LOAD CLASS D400 FOR ROADS AND SERVICE YARD AREAS. CLASS C250 TO BE USED IN CAR PARKING AREAS.
22. BACKFILLING AND REINSTATEMENT TO TRENCHES IN PUBLIC HIGHWAYS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE ADOPTING AUTHORITY, OR, IN THE ABSENCE OF SUCH, IN ACCORDANCE WITH THE REQUIREMENTS OF "THE STREET WORKS REGULATIONS 1992" AND RELEVANT PROVISIONS OF H.A.U.C. "SPECIFICATION FOR THE REINSTATEMENT OF OPENINGS IN HIGHWAYS" JUNE 1992, BOTH UNDER SECTION 71 OF THE NEW ROADS AND STREET WORKS ACT 1991.
23. ALL TRADITIONAL RAINWATER PIPE DOWN COMERS TO DISCHARGE TO TRAPPED GULLIES.
24. ALL ROAD GULLIES ARE TO BE TRAPPED GULLIES.
25. ALL GULLY LEADS TO BE 150mm DIAMETER.
26. ALL REDUNDANT EXISTING DRAINAGE TO BE GRUBBED UP OR GROUTED, ANY EXISTING LIVE DRAINAGE SHOULD BE REPORTED TO THE ENGINEER AND RECONNECTED.
27. ALL ROAD GULLIES & LEADS TO BE CLEARED OF DEBRIS UPON COMPLETION OF WORKS.
28. THE CONTRACTOR MUST ENSURE THAT ANY OF THE EXISTING DRAINAGE WHICH IS LIVE IS KEPT CLEAR OF DEBRIS AND SHOULD ALLOW FOR JETTING THROUGH THE NEW & EXISTING DRAINAGE UPON COMPLETION.
29. CONTRACTOR TO TAKE MEASURES TO PROTECT HIS OPERATIVES WITH RESPECT TO THE PRESENCE OF GAS IN SEWER TRENCHES AND MANHOLES THROUGH THE USE OF GAS MONITORING EQUIPMENT AND BREATHING APPARATUS AS REQUIRED.
30. CONTRACTOR TO APPLY FOR SEWER PERMITS AND ROAD OPENING PERMITS AS NECESSARY FROM THE APPROPRIATE AUTHORITIES, PRIOR TO COMMENCING WORKS.
31. ADOPTABLE PLASTIC SEWER PIPES TO BE LAID IN MAXIMUM 3m LENGTHS UNLESS THERE IS A SPECIFIC OPERATIONAL NEED TO LAY LONGER LENGTHS.
32. WHERE PLASTIC PIPES ARE INSTALLED PRIOR TO GETTING APPROVAL THEN A LIGHT LINE CCTV SURVEY AND REPORT ARE REQUIRED PRIOR TO APPROVAL.
33. WHERE A B125 COVER AND FRAME HAS BEEN APPROVED, THIS MUST NOT BE COATED IN PLASTIC AND MUST HAVE LIFTING EYES SUITABLY SIZED TO ACCOMMODATE STANDARD LIFTING KEYS. SCREW DOWN COVERS ARE NOT ACCEPTABLE.
34. THERE SHOULD BE ENOUGH CLEARANCE TO ACCOMMODATE THE BEDDING FOR BOTH PIPES, APPROX 300MM : IF CROSSOVER IS NEAR THE ROCKER THEN THE CLEARANCE NEEDED MAY BE INCREASED
35. THE MINIMUM CRUSHING STRENGTH FOR CLAY PIPES SHOULD BE AS FOLLOWS : 100MM DIA. 40KN/M, 150MM DIA. 40KN/M, 225MM DIA. 45KN/M AND 300MM DIA. 72KN/M. THE MINIMUM CRUSHING STRENGTH FOR CONCRETE PIPES SHOULD BE - (CLASS 120 TO EN 1916/BS5911-1 2002). PLASTIC PIPES SHOULD CONFORM TO WIS 4-35-01 AND BS EN13476.

Date	Revisions	Drawn	Checked	Rev
17.11.2025	MINOR CHANGES TO DRAINAGE. NO CHANGES TO CPSWMP	NA	AE	2
12.11.2025	FIRST ISSUE	NA	AE	1

Dwg Status: TENDER

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DO NOT SCALE	Scale @ A0: 1:250	Drawn NA	Checked AE	Date 12.11.2025
Job No Y22054		Dwg No D1000		Rev 2