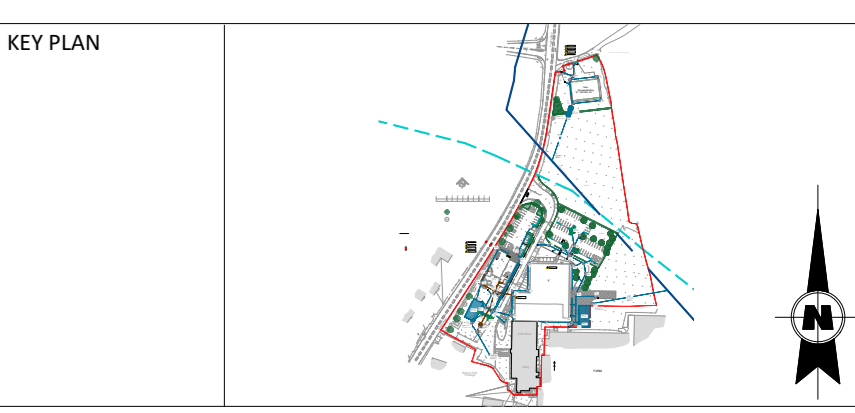


- Notes:**
1. DO NOT SCALE THIS DRAWING. WORK TO FIGURED DIMENSIONS ONLY. ALL DIMENSIONS ARE IN MILLIMETERS (MM) UNLESS NOTED OTHERWISE.
  2. This drawing is to be read in conjunction with all relevant Architect's, Engineer's and Specialist's drawings and their respective specification.
  3. All work to comply with relevant British Standards, Codes of practice and the Building Regulations.
  4. Any discrepancies between all working drawings, specifications and schedules of all disciplines to be immediately notified to main contractor for clarification/correction prior to construction of relevant structure.
  5. All cover levels are indicative only and shall match Architects proposed levels. Invert levels to be confirmed on site prior to work commencing.
  6. All areas of excavation are to be scanned and marked for existing services prior to any excavation.
  7. Branch connections to RWP's have been assumed 50mm higher than the main channel.
  8. All connections from RWP to be 150mm Ø unless noted otherwise.
  9. For the location of all RWP's and SVP's refer to Architects drawings.
  10. Stormwater attenuation system shall be Polypropylene pre-formed modular geocellular units with minimum 38% volumetric void ratio and minimum 52% effective perforated surface area. Units shall be installed using locking ties to maintain rigidity and minimise deflection. Geocellular units to be fully encapsulated with Heavy duty geotextile protection fleece and impermeable membrane.
  11. Heavy duty geotextile fleece to be non-woven needle-punched polypropylene as per Specification. Geotextile to be laid with minimum 300mm overlaps and to be applied to all external surfaces of Polypropylene drainage units. To be installed in accordance with the manufacturer's recommendations.
  12. Waterproof geomembrane to be single layer cold applied robust welded flexible membrane as per Specification suitable for waterproofing to structure and for water containment. Membrane to be nominal 3mm thick laid with minimum 150mm laps and welded seams. To be installed in accordance with the manufacturer's recommendations under and approved CQA protocol that includes testing of the welds.
  13. Linear drainage channel to be ACO MD range with sump assemblies.
  14. Foul connection to be 100mm Ø unless noted otherwise.
  15. Oil bypass separators to be Kingspan Klargester as noted on drawing.
  16. All dimensions are in millimeters unless noted otherwise.
  17. Pre-cast concrete products shall comply with the relevant provisions of BS 5911 and be 'Kite Marked'.
  18. All pipes and pipe fittings shall be HDPE twinwall and have current British Board of Agreement Certification.
  19. Manhole covers and frames, grids and frames shall comply with the relevant provisions of BS EN 124.
  20. Do not scale from this drawing. If in doubt ask.
  21. This drawing to be read in conjunction with all relevant PEL, Architects & Engineers drawings.
  22. Should there be any conflict between the details indicated on this drawing and those on other drawings the Engineer should be informed PRIOR to construction on site.
  23. At all times the works are to be executed in accordance with the requirements of the Health And Safety at Work Act 1974 and CDM Regulations 2015.
  24. Unless technical approval has been obtained from the relevant Authority, it should be understood that all drawings are PRELIMINARY and NOT FOR CONSTRUCTION.

- Legend:**
- Surface Water Drainage Pipework 150mm dia U.D.
  - Foul Water Drainage Pipework 150mm dia U.D.
  - Linear Drainage Channel/MSD ACO
  - Manhole Developer & Gully
  - Yard Gully
  - 700mm dia catchup inspection chamber (2m)
  - 1000 dia 3m manhole
  - 800mm dia catchup 18 inspection chamber
  - Polypropylene attenuation tank 1200mm deep
  - Rangeplan

NO.	DATE	REVISION	BY	CHKD	APPD
S3	16.11.23	First Issue	JR	JR	RG
S3	16.11.23	First Issue	JR	JR	RG
S3	23.10.23	First Issue	JR	JR	RG
STATUS	REV	DATE	REVISION	ISSUED BY	CHKD BY

CLIENT  
**JAMES HALL & CO LTD**



ORIGINATOR  
**PLUVIAM ENVIRONMENTAL**

DRAWING TITLE  
**Alston Dairy Alston Drainage Layout**

Name	Signature	Date
Designed by	JR	18/10/2023
Drawn by	JR	18/10/2023
Checked	RG	18/10/2023
Approved	RG	18/10/2023

PROJECT: PNO107 SCALE: 1:250 BIM FILE NAME - REVISION

PROJECT	ISSUER	VOLUME	LEVEL	TYPE	ROLE	NUMBER	REV
PNO107	PEL	XX	XX	DR	Y	0001	P03