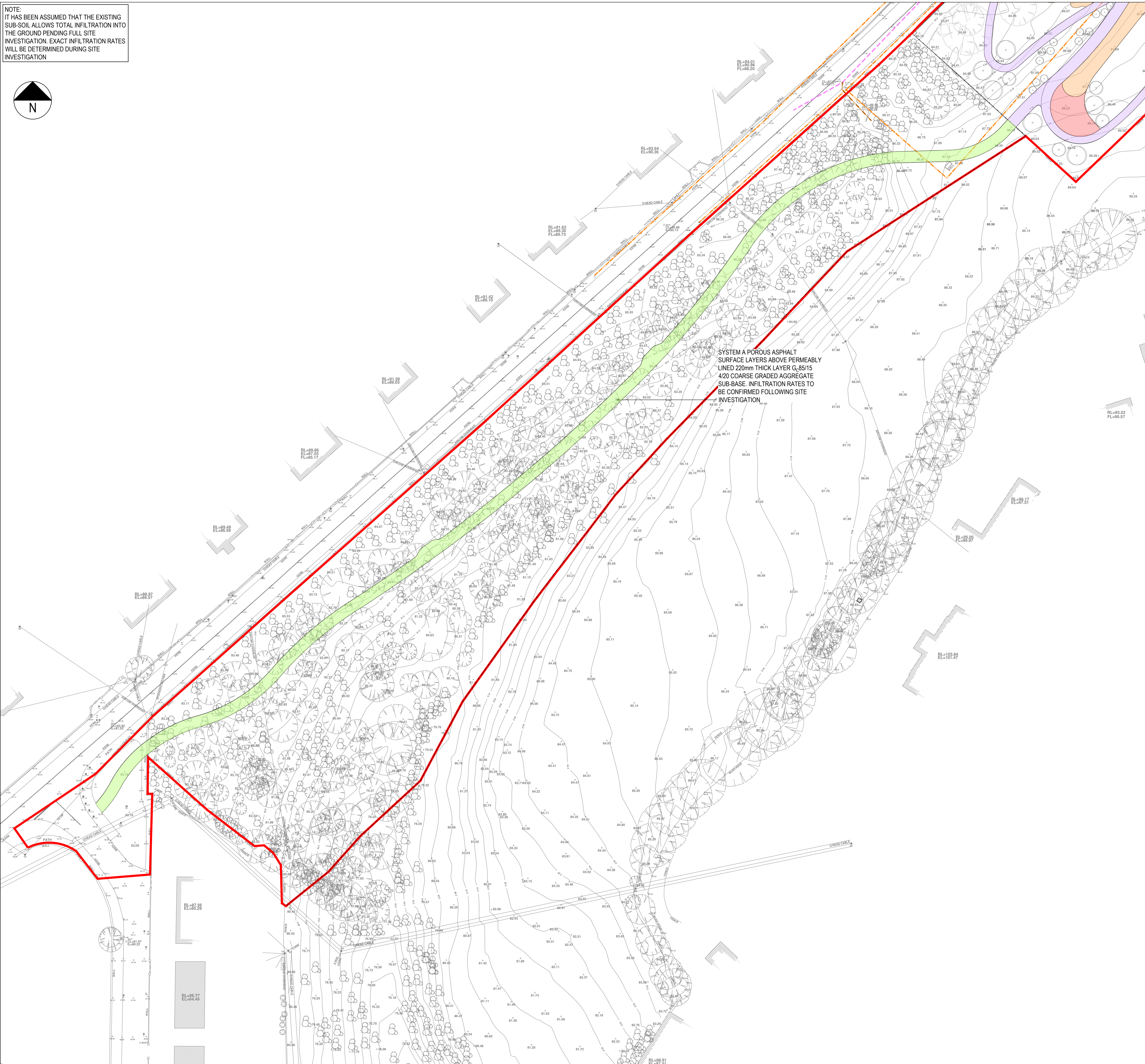
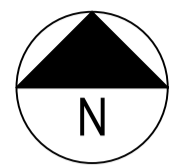


NOTE:  
IT HAS BEEN ASSUMED THAT THE EXISTING SUB-SOIL ALLOWS TOTAL INFILTRATION INTO THE GROUND PENDING FULL SITE INVESTIGATION. EXACT INFILTRATION RATES WILL BE DETERMINED DURING SITE INVESTIGATION



DO NOT SCALE FROM THE DRAWING. ONLY FIGURED DIMENSIONS ARE TO BE USED.  
ALL DIMENSIONS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR.  
ALL DIMENSIONS ARE IN MILLIMETERS U.N.O.  
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.

- LEGEND**
- — — — — EXISTING PUBLIC FOUL SEWER
  - — — — — EXISTING PRIVATE FOUL DRAIN
  - — — — — EXISTING PUBLIC STORM SEWER
  - — — — — EXISTING PRIVATE STORM DRAIN
  - — — — — EXISTING PUBLIC COMBINED SEWER
  - — — — — EXISTING SEWER WATERMAIN
  - — — — — EXISTING SEWER TO BE ABANDONED
  - AREA OF POROUS ASPHALT ON LINK PATH

**NOTES**

THE EXACT LOCATION OF THE EXISTING DRAINAGE IS TO BE DETERMINED ON SITE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS, AND ANY CHANGES TO BE NOTIFIED TO THE ENGINEER. THE EXISTING DRAINAGE NETWORK WITHIN THE SITE SHOULD BE SURVEYED BY CCTV, AND A DRAWING SHOWING THE ROUTES SHOULD BE SUBMITTED TO THE CIVIL ENGINEER.

WHERE EXISTING MANHOLES WITHIN THE SITE ARE TO BE RETAINED, THEY MUST BE RE-BUILT UP TO THE PROPOSED GROUND LEVEL, AND BE FITTED WITH NEW CAST IRON COVERS TO THE APPROVAL OF THE CIVIL ENGINEER.

ANY EXISTING PIPEWORK WHICH CANNOT BE REMOVED, WITH THE AGREEMENT OF THE CIVIL ENGINEER, MAY BE CAPPED AND PUMPED FULL OF LEAN MIX CONCRETE.

WHERE A MANHOLE CHAMBER IS LOCATED IN AN AREA SURFACED WITH PAVING BLOCKS, A DUCTILE IRON RECESSED COVER SHOULD BE USED, AND INFILLED APPROPRIATELY.

ALL DRAINAGE TO BE LAID IN ACCORDANCE WITH TECHNICAL BOOKLET H OF THE BUILDING REGULATIONS.

ALL HORIZONTAL BENDS IN PIPEWORK SHOULD BE 45° OR 90° SWEEPING LONG RADIUS TYPE.

A RODDING EYE SHOULD BE LAID AT THE HEAD OF EACH LAND DRAINAGE RUN, AND THE MANHOLE INTO WHICH THE LINE CONNECTS SHOULD BE A CATCH PIT CHAMBER.

IN ALL OTHER LOCATIONS WHERE LAND DRAINAGE IS SPECIFIED, 110mm Ø PERFORATED TWINWALL PIPE MUST BE USED, UNLESS NOTED OTHERWISE.

- HAZARD IDENTIFICATION NOTES**
- 1 WORKING ON LIVE SEWERS**  
Only personnel with confined space entry certification are permitted to enter manholes or similar confined spaces.  
Site personnel to work in pairs at all times when working at live sewers here.
  - 2 WORKING ON PUBLIC ROAD**  
All services should be traced and located on site prior to works commencing, this should include hand excavation to visually locate critical services. All excavation should be carried out on the basis that unknown services are present until confirmed otherwise.
  - 3 STABILITY OF PLANT**  
Only certified, experienced drivers are to operate plant on site. Appropriate certificates for plant operators must be included in the health and safety plan for inspection.  
Movement on slopes is to be restricted to up and down the bank only. If steep they must not be traversed.
  - 4 WORKING AT HEIGHT**  
Contractor to provide safe working platforms, and secure edge protection, to the sides of all working excavations.
  - 5 STABILITY OF EARTH FACE**  
Site investigation to be referenced.  
Excavations greater than 1.2m should be supported by timbering and props or similar proprietary system.  
Spoil should not be heaped immediately to the side, a gap equal to the depth of excavation should be left.  
All open trenches or holes should be protected with barriers to prevent site personnel and plant falling in.  
Trench fill excavations should be refilled with concrete as they are excavated.
  - 6 DRAINAGE WORKS**  
The drainage works will require deep excavations, as per usual work methods, any excavation over 1.2m must have side support and works must be undertaken in accordance with standard safe working practices. In certain ground conditions support will be required for trenches less than 1.2m.  
The contractor must employ suitable techniques for the ground conditions encountered and provide suitable detailed method statements.
  - 7 DISPOSAL OF SOIL**  
Information is not currently available to determine if contamination is a problem. The contractor cannot assume that the ground is contamination free. Investigations must be undertaken before construction commences and the spoil dealt with accordingly.
- NOTE:**  
EVERYDAY OR LOW RISK HAZARDS HAVE NOT BEEN INDICATED ON THIS DRAWING, NEITHER HAVE HAZARDS THAT SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR.  
SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED THE CONTRACTOR SHOULD NOTIFY ALL THE RELEVANT PROJECT TEAM LEADERS.

P1	ISSUED FOR PLANNING	14/02/22	JK	AnH
Rev	Amendment	Date	By	Chk

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Status: **PRELIMINARY**

Project: **PARK AND PUBLIC REALM, CASTLEPOLLARD**

Dwg Name: **PROPOSED DRAINAGE LAYOUT (1 of 3)**

Client/Architect: **WMCC / CAKM**

Scale: (@ A1)	Date:	Drawn:	Checked:
1:250	FEB 2022	JK	AnH
Drawing No:	20058-(PPR)C100	Rev:	P1

