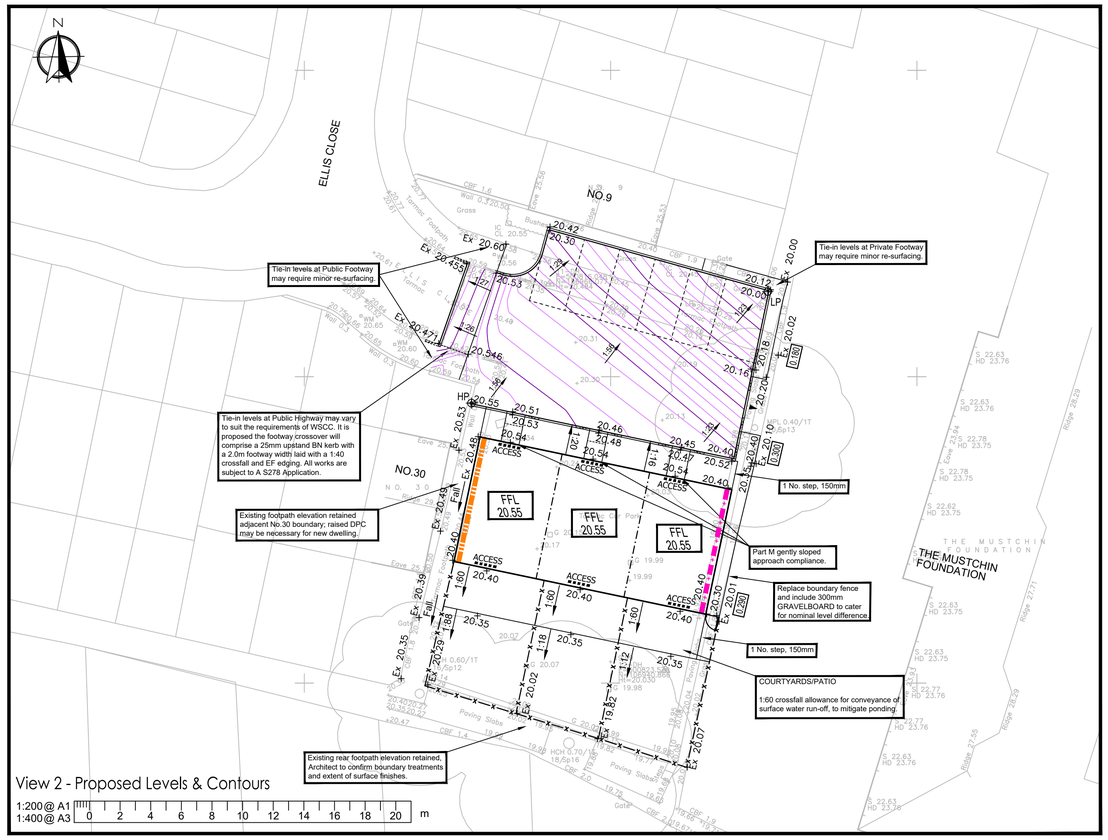


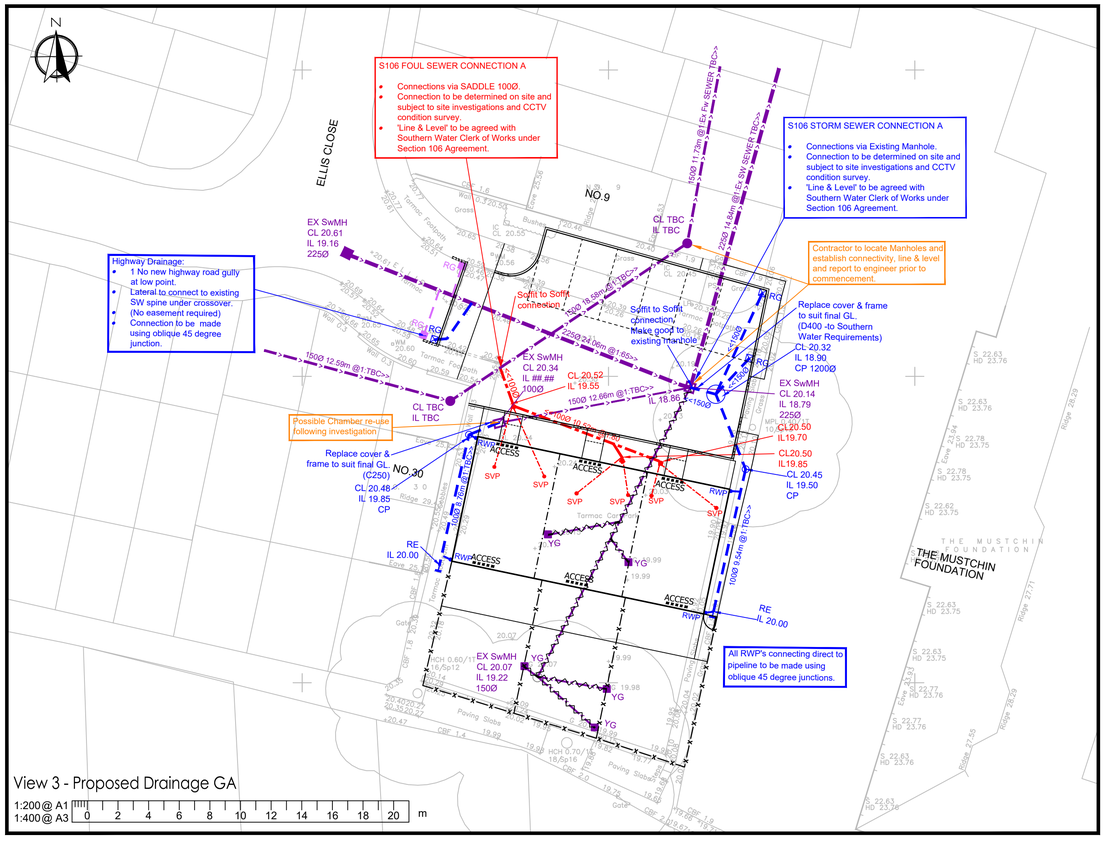
View 1 - Topographical Survey with Contours

1:250@ A1
1:500@ A3
0 4 8 12 16 20 24 m



View 2 - Proposed Levels & Contours

1:200@ A1
1:400@ A3
0 2 4 6 8 10 12 14 16 18 20 m



View 3 - Proposed Drainage GA

1:200@ A1
1:400@ A3
0 2 4 6 8 10 12 14 16 18 20 m

-DRAINAGE KEY-

- Existing Foul Water Drain/Sewer
- Existing Storm Water Drain/Sewer
- Existing Highway Drainage (WSCC)
- Drain to be Grubbed Up
- Rodding Point (BGL, inc Aluminium Cover)
- 450x950 Road Gully & 150Ø Lateral (Double gullies must have separate laterals)
- Inspection Chamber (Max 1.2m Depth to invert, CP Denotes Catchpit)
- Precast Concrete Ring Manhole (Over 1.5m Depth to Soffit, CP denotes Catchpit)
- 450x450 Yard Gully & 100Ø Lateral
- Inspection Chamber (Max 1.2m Depth to invert)
- Precast Concrete Ring Manhole (Over 1.5m Depth to Soffit)

-SURFACE WATER STRATEGY-

- Surface water disposal should be managed in view of the SuDS hierarchy;
  1. Infiltration
  2. Watercourse
  3. Public Surface Water Sewer(s)
- Exiting impermeable area will be 719m² and the post development impermeable area will be 434m² resulting in a nominal reduction.
- Existing trees, structures and public highway prevents the use of soakaways. The Existing car park is currently drained via a SW drain, unattenuated.
- The proposed SW drainage will utilise the existing SW drain outfall with a reduction in peak flow and volume.
- Whilst existing connections will be utilised where feasible, a S106 application will be applied for.

-FOUL WATER STRATEGY-

- Foul water disposal should adhere to the following hierarchy;
  1. Public Sewer
  2. Private Treatment Plant
  3. Septic Tank and Drainage Field
  4. Cesspool
- It is proposed that the development will be subject to a new foul water connection to the front of the site subject to the S106 application, with a 100Ø pipe.
- Post development peak foul water flows will amount to 0.14l/s.

EXISTING DRAINAGE ON SITE REQUIRES INVESTIGATION.

THE CONTRACTOR IS RESPONSIBLE FOR DEALING WITH THE EXISTING DRAINAGE INFRASTRUCTURE AND REPORTING CONNECTIVITY & CONDITION TO ENGINEER.

BUILDING FOUNDATION & MAIN SERVICE CORRIDOR 'LINE & LEVEL' SHALL BE DESIGNED TO SUIT THE DRAINAGE STRATEGY.

ARCHITECT TO FINALISE AND CONFIRM:
- PATIOS, PATHS, KERBS AND SURFACE FINISHES.
- DRAINAGE CONNECTION POINTS
- THRESHOLD DRAIN REQUIREMENTS

DEPTHS OF EXISTING SEWERS

INFORMATION RELATING TO THE DEPTH(S) OF EXISTING PUBLIC FOUL WATER SEWER LOCATED IN ELM GROVE HAS BEEN OBTAINED FROM PUBLIC SEWER RECORDS PROVIDED BY SOUTHERN WATER

THE TOPOGRAPHICAL SURVEY OF THE SITE HAS BEEN CONDUCTED TO SITE DATUM, NOT OS DATUM. THE INVERT LEVEL OF THE PUBLIC FOUL WATER SEWER HAS BEEN INTERPOLATED USING RECURRING FEATURES FOUND ON THE SURVEY

INVERT LEVELS TO BE CONFIRMED ON SITE PRIOR TO WORKS BEING UNDERTAKEN - NO WORK IS TO COMMENCE UNTIL THIS INFORMATION HAS BEEN VERIFIED

-PROPOSED CONTOURS KEY-

- 116.85 Spot Level
- 1:12 Gradient Arrow
- HP Proposed High Point
- LP Proposed Low Point
- FFL Proposed Finished Floor Level
- 0.300 Proposed Level Difference
- Proposed Bank (Top)
- Proposed Bank (Base)
- Proposed Bank Batter
- Contour (Primary)
- Contour (Secondary)
- Masonry Wall (Retaining) (By Others)
- Raised DPC/Integral Retaining Wall
- Under-Build/Extra Face Brickwork

Contours are only as accurate as the initial land survey information. Contours are approximate only and spot levels may vary slightly on site.

Topographical survey levels are not to Ordnance Survey (OS) datum and need to be verified prior to work commencement.

Topographical information shown is based on site survey undertaken by others as part of site-wide development.

-EXISTING CONTOURS KEY-

- 134.11 Spot Level
- 1:12 Gradient Arrow
- HP High Point
- LP Low Point
- Contour (Primary)
- Contour (Secondary)

Topographical information shown is based on land survey supplied by client.

Contours are only as accurate as the initial land survey information. Contours are approximate only and spot levels may vary slightly on site.

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This drawing is based upon Ordnance Survey mapping - BPC accept no liability for any inaccuracies with the data.

A1

NOTES

1. This drawing is to be read in conjunction with all other BPC drawings, and with all relevant Architect's and Engineer's drawings and specification. Any discrepancies found are to be reported immediately to the Engineer.
2. BPC accepts no responsibility for inaccuracies in data provided by third parties such as topographic surveys or Ordnance Survey mapping.
3. Do not scale, work to figured dimensions only. All dimensions are in millimeters unless noted otherwise and all levels are in metres from the topographic survey datum.
4. Any information given regarding existing underground services is given in good faith after consultation with the relevant authority, however accuracy is not certain. The main contractor is responsible for checking all information on site prior to work commencing and taking due care whilst undertaking the works.
5. All dimensions to be checked on site. All details and dimensions relating to sub-contractors work must be checked and agreed between the sub-contractor or supplier and the general contractor.
6. The electronic information from this drawing can not be guaranteed as dimensionally drawn exact. Figured dimensions must be used for setting out and detailing. BPC logos and company information must be removed from copies if information is re-used.
7. The main contractor is responsible for the design of all temporary works, and is also responsible for the safe maintenance and stability of existing buildings at all times.
8. The main contractor is responsible for dealing with all occurrences of ground water during the construction period.
9. The contractor must comply with all current legislation relating to health & safety.
10. All products specified shall be installed in strict accordance with the manufacturers recommendations and instructions. If there are discrepancies between that information and the details on any BPC drawings, the manufacturers instructions must be used.
11. All Earthworks in accordance with the Specification for Highway Works.

RESIDUAL HAZARDS

In addition to the hazards/risks normally associated with the type of work detailed on this drawing, note the following:

1. Buried services. Contractor to refer to record drawings and use CAT to locate existing services.
2. Working in live traffic. Contractor to ensure traffic management is designed, erected and maintained to protect the workforce and the public.
3. Working in live Sewers. Contractor to ensure operatives are familiar with dangers of working in live sewers.
4. Excavations close to existing structures. Contractor to prepare method statement to ensure stability of existing structures.

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved risk assessment and method statement

Rev.	Amendments	Date
D	Updated to LPA comments 14.02.22	14/02/2022
C	Updated to LPA comments 29.09.21	06/10/2021
B	Gully added	14/05/2021
A	Frontage paths updated	22/04/2021
-	Original Issue	31/03/2021

BRIGHT PLAN CIVILS
Transport Planning and Infrastructure Design Consultants
2 West Barn, Norton Lane, Chichester, West Sussex PO20 3AF
Tel: 01243 210418 Fax: 01483 861682
www.brightplancivils.co.uk

Drawing Status: FOR APPROVAL

Client: Arun District Council

Project: Ellis Close, Arundel, BN18 9LG

Drawing Title: Topographical Survey, Proposed Levels & Drainage GA

Scale	Date	Drawn By	Checked By
As Shown	30/03/21	MJA	MJA

Drawing No. D1955-200 Rev. D

ARUN DISTRICT COUNCIL 2021/2021/PL