

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND
- 2. All drainage works to be carried out in accordance with the requirements of the Local Authority, the Environment Agency and in conjunction with all relevant British Standards, Codes of Practice and any
- Invert levels and positions of existing drains chambers / sewers where new connections are to be made must be checked and confirmed to the
- 4. All drainage shall comply with the typical details and the requirements of BS EN 752 and Part H of the
- 5. Any part of the existing drainage system to be retained as part of the new scheme shall be cleaned
- and inspected. Any structural defects shall be repaired using appropriate and approved means.
- drawings. Positions shown are indicative only.
- 8. All precast concrete units used in the drainage works shall be manufactured using sulphate resisting
- 9. Manhole covers and frames shall be to BS EN 124 and shall be Kitemarked. Covers and frames shall be heavy duty (D400) in carriageways and vehicular areas and medium duty (B125) in footways and soft landscaping. In blocked / concrete paved areas, covers shall be recessed fabricated steel. All recessed covers shall be in accordance with the
- 10. Cover levels shown are approximate only and are to
- to bed level and void backfilled with granular material, compacted in layers not exceeding 225mm.
- to be laid at 1:40 gradient unless otherwise noted. All RWPs to be laid at minimum 1:60 gradient unless
- 14. Access panels are to be provided to all rainwater pipes, max 60mm above finished ground level.
- 15. All manholes / inspection chambers in block paved areas to have recessed covers. MH covers in paved areas to have cover and frame orientated 'square'
- 16. All gradients on drainage runs are indicative. Runs to
- 17. Generally pipes to have granular bed and surround in accordance with the manufactureres recommendations, ensuring adequte protection with
- flexibly jointed pipes, either uPVC to BS 4660 and BS 5481 or vitrified clayware to BS EN 295.
- 19. Rodding eyes are to be laid to manufacturers minimum cover and depth to allow adequate fall
- 20. Where new sewers are to be constructed within 5m of a new or existing tree, the sewer shall be encased
- completion. Contractor to ensure that the drainage is
- 22. All runs connecting into public drainage network to be extra strength clayware to BS EN 295 or BS65 with plain sleeved or socketed flexible joints.
- 23. Before commencing any sewer or drainage works, the groundworker is to satisfy himself, the Client and the Local Authority of actual levels and conditions of
- out by specialist competent and experienced contractors who are members of a recognised national organisation. Operatives shall have received full and appropriate training for the operations they are to undertake. All work shall be carried out in accordance with all pertinent Health and Safety
- 28/05/19 Pumping station removed; drainage amended to suit; CCTV survey details added.

ichael Barclay Partnership

BELOW GROUND DRAINAGE

1:100 @ A1 MAY '19 PTW MB/JG Revision

P3