

FILENAME : J:\2016\A081084-1 CENTREPORT, CRAMLINGTON\CAD\WVG DRAWINGS\A081084-1-500K 501.LDWG | PLOTTED BY : BABAN, LUKASZ | PLOTTED DATE : 06 July 2021 16:24:08

- NOTES:
- This drawing should not be scaled and only used for its intended purpose.
 - This drawing is to be read in conjunction with all other relevant drawings/information
 - All dimensions are in metres unless stated otherwise.
 - Original topographical survey data provided by Academy Geomatics, July 2016.
 - The Highway Works shall be inspected/supervised by representatives of Northumberland County Council. Prior to commencing work the contractor shall provide a detailed construction programme.
 - All levels to be checked by the Contractor at the start of works and any discrepancies notified to the Engineer.
 - All highway works to be to adoptable standards and shall comply fully with the Local Highways specification and where necessary the relevant sections of the Design Manual for Roads and Bridges, Specification and British Standards.
 - All statutory consents, opening notices etc. as required under Highways Acts and Water Industries Acts are to be obtained by the Contractor prior to commencement of the Works (unless otherwise stated).
 - For Statutory Undertakers Information refer to relevant Undertakers plans obtained as part of the C2/C3 enquiries. Location of Statutory Undertakers apparatus on any plans is indicative only.
 - Presence of Statutory Undertakers equipment in the highway should be verified by the Contractor on site prior to starting any works. The Contractor should confirm the location of all stats plant by hand dug trial trenches prior to commencing any works. Allowance for the presence of all stats appropriate protection / diversion measures is to be put in place by the Contractor (unless stated otherwise) where stats equipment are found to be within the area of highway works. Necessary diversion/protection requirements to be agreed with service provider.
 - All pipes shall be laid with soffits level (unless otherwise shown) and all manhole/ inspection chamber invert levels shown are for the outlet pipe (unless otherwise shown). Pipe runs shall be laid to the levels indicated, and all pipe gradients indicated are approximate. All cover and invert levels are shown in metres and all pipe diameters are millimeters u.n.o.
 - All clay pipe work shall be extra strength clayware to BS 65. All precast concrete pipework shall be in accordance with BS 5911
 - Existing drainage information is based on Northumbrian Water record drawings and Lanes for Drains survey results. The contractor shall be responsible for ensuring that all existing drainage positions and invert levels indicated on drawings are correct before work commences.
 - Lanes for Drains survey has indicated presence of highway carrier drains adjacent to A1171, further detailed investigation (including potential trial excavation) to establish exact line, size and condition of the carrier drains shall be carried out by the Contractor prior to commencement of the Works.
 - All pipes beneath the carriageway less than 1.2m below the finished road level shall be encased in concrete Class 2 bed & surround. Flexibility shall be maintained by the provision of flexcell or similar approved joint filler breaks in the concrete surround at each pipe joint. All sewers for adoption with greater than 1.2m cover in roads or 0.9m cover in fields shall have Class 5 granular bed and surround.
 - The contractor is to maintain all existing surface water drainage until the permanent drainage is installed & operational.
 - All ironwork within the carriageway or within areas subject to vehicular loading shall be a minimum grade D400 in accordance with BS EN 124 unless otherwise stated.
 - Road gully/kerb drain outlet connections shown are to be 150mmØ connecting either directly to manholes shown, or to sewer runs using pre-formed junctions u.n.o.
 - Where gully reference is provided on this drawing gully spacing has been calculated in accordance with DMRB HD102. Please refer to relevant calculation sheet for further information.
 - Where proposed gully/outfall connections utilise existing gully leads, the existing lead is to be chased back towards the main carrier drain to a point where suitable fall can be achieved from the proposed gully/outfall. Existing gully connection to public/highway sewer is assumed. If found to be different than as shown, report to the designer for further consultation and advice for connecting proposed gully outlets.
 - Northumbrian Water permission to be obtained for any new connection to public sewers.
 - Root protection (Terram Rootguard or similar approved) to be used where new drains are laid outside of the paved areas ie. grass verges, embankments etc.
 - Until technical approval has been obtained from Northumberland County Council, it should be understood that all drawings issued are NOT for Construction.

