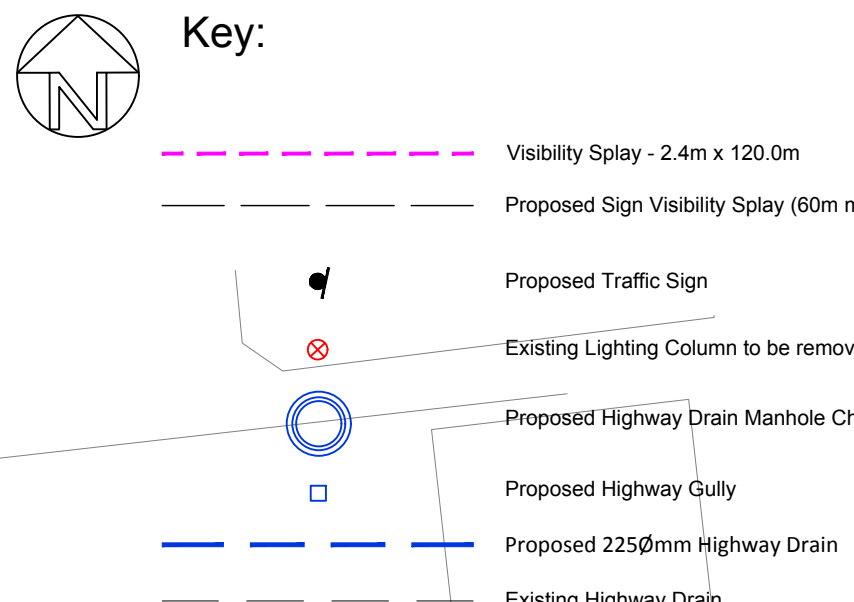
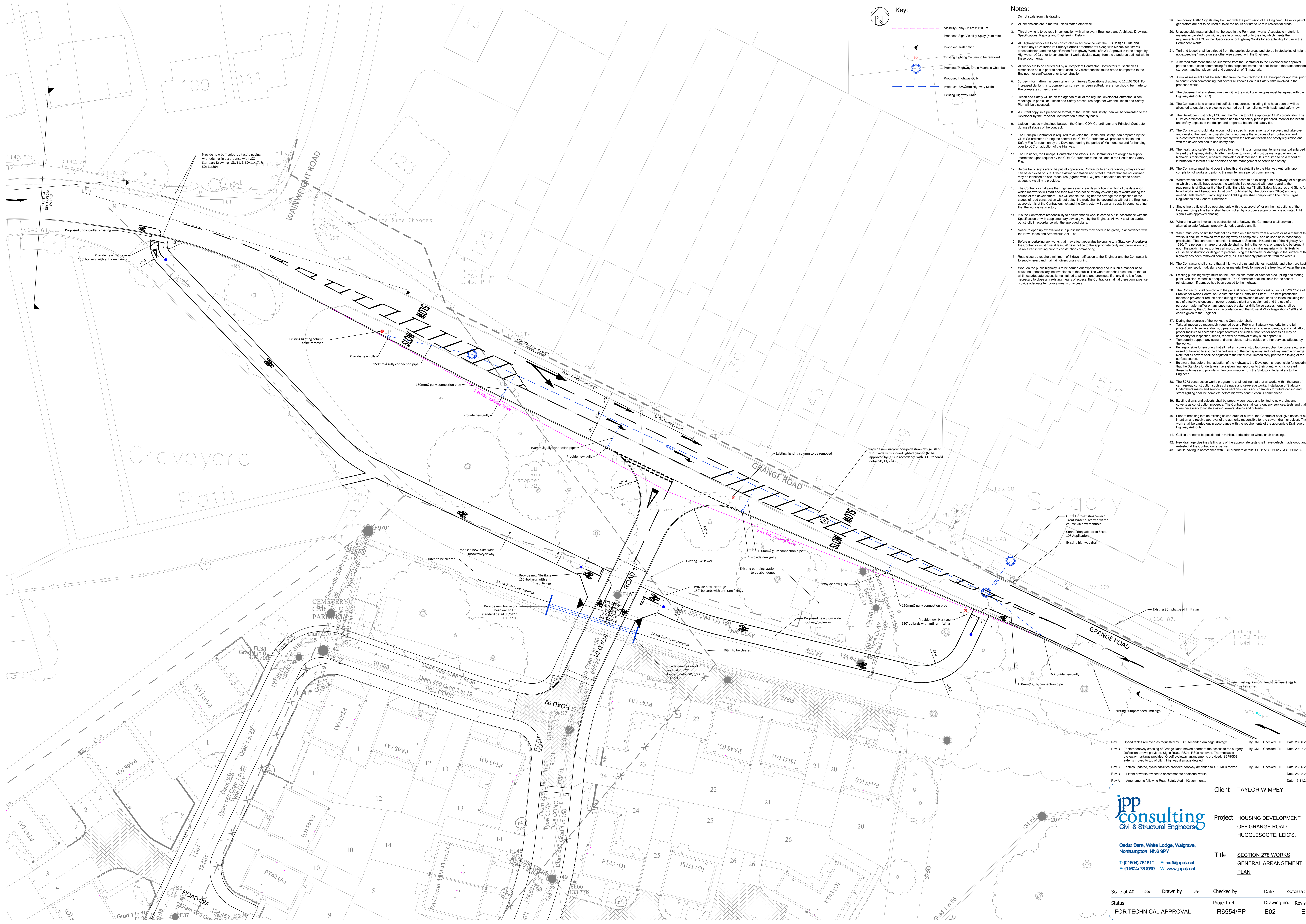




- Notes:
- Do not scale from this drawing.
 - All dimensions are in metres unless stated otherwise.
 - This drawing is to be read in conjunction with all relevant Engineers and Architects Drawings, Specifications, Reports and Engineering Details.
 - All Highway works are to be constructed in accordance with the ECs Design Guide and include any Leicestershire County Council amendments along with Manual for Streets (latest edition) and the Specification for Highway Works (SHW). Approval is to be sought by Highways (LCC) prior to construction if works deviate away from the standards outlined within these documents.
 - All works are to be carried out by a Competent Contractor. Contractors must check all dimensions on site prior to construction. Any discrepancies found are to be reported to the Engineer for clarification prior to construction.
 - Survey information has been taken from Survey Operations drawing No 11.1162/001. For increased clarity this topographical survey has been edited; reference should be made to the complete survey drawing.
 - Health and Safety will be on the agenda of all of the regular Developer/Contractor liaison meetings. In particular, Health and Safety procedures, together with the Health and Safety Plan will be discussed.
 - A current copy, in a prescribed format, of the Health and Safety Plan will be forwarded to the Developer by the Principal Contractor on a monthly basis.
 - Liaison must be maintained between the Client, CDM Co-ordinator and Principal Contractor during all stages of the contract.
 - The Principal Contractor is required to develop the Health and Safety Plan prepared by the CDM Co-ordinator. During the contract the CDM Co-ordinator will prepare a Health and Safety File for retention by the Developer during the period of Maintenance and for handing over to LCC on adoption of the Highway.
 - The Designer, the Principal Contractor and Works Sub-Contractors are obliged to supply information upon request by the CDM Co-ordinator to be included in the Health and Safety File.
 - Before traffic signs are to be put into operation, Contractor to ensure visibility splays shown can be achieved on site. Other existing vegetation and street furniture that are not outlined may be identified on site. Measures (agreed with LCC) are to be taken on site to ensure adequate visibility is provided.
 - The Contractor shall give the Engineer seven clear days notice in writing of the date upon which roadworks will start and then two days notice for any covering up of works during the course of the development. This will enable the Engineer to arrange the inspection of the stages of road construction without delay. No work shall be covered up without the Engineer's approval. It is at the Contractor's risk and the Contractor will bear any costs in demonstrating that the work is satisfactory.
 - It is the Contractor's responsibility to ensure that all work is carried out in accordance with the Specification or with supplementary advice given by the Engineer. All work shall be carried out safely in accordance with the approved plans.
 - Notice to open up excavations in a public highway may need to be given, in accordance with the New Roads and Streetworks Act 1991.
 - Before undertaking any works that may affect apparatus belonging to a Statutory Undertaker the Contractor must give at least 28 days notice to the appropriate body and permission is to be received in writing prior to construction commencing.
 - Road closures require a minimum of 5 days notification to the Engineer and the Contractor is to supply, erect and maintain diversionary signing.
 - Work on the public highway is to be carried out speedily and in such a manner as to cause no unnecessary inconvenience to the public. The Contractor shall also ensure that at all times adequate access is maintained to all land and premises. If at any time it is found necessary to close any existing means of access, the Contractor shall, at their own expense, provide adequate temporary means of access.
 - Temporary Traffic Signals may be used with the permission of the Engineer. Diesel or petrol generators are not to be used outside the hours of 8am to 6pm in residential areas.
 - Unacceptable material shall not be used in the Permanent works. Acceptable material is material excavated from within the site or imported onto the site, which meets the requirements of LCC in the Specification for Highway Works for acceptability for use in the Permanent Works.
 - Turf and topsoil shall be stripped from the applicable areas and stored in stockpiles of height not exceeding 1 metre unless otherwise agreed with the Engineer.
 - A method statement shall be submitted from the Contractor to the Developer for approval prior to construction commencing for the proposed works and shall include the transportation, storage, handling, placement and compaction of fill materials.
 - A risk assessment shall be submitted from the Contractor to the Developer for approval prior to construction commencing that covers all known Health & Safety risks involved in the proposed works.
 - The placement of any street furniture within the visibility envelopes must be agreed with the Highway Authority (LCC).
 - The Contractor is to ensure that sufficient resources, including time have been or will be allocated to enable the project to be carried out in compliance with health and safety law.
 - The Developer must notify LCC and the Contractor of the appointed CDM co-ordinator. The CDM co-ordinator must ensure that a health and safety plan is prepared, monitor the health and safety aspects of the design and prepare a health and safety file.
 - The Contractor should take account of the specific requirements of a project and take over and develop the health and safety plan, co-ordinate the activities of all contractors and sub-contractors and ensure they comply with the relevant health and safety legislation and with the developed health and safety plan.
 - The health and safety file is required to amount into a normal maintenance manual enlarged to alert the Highway Authority after handover to risks that must be managed when the highway is maintained, repaired, renovated or demolished. It is required to be a record of information to inform future decisions on the management of health and safety.
 - The Contractor must hand over the health and safety file to the Highway Authority upon completion of works and prior to the maintenance period commencing.
 - Where works have to be carried out on, or adjacent to an existing public highway, or a highway to which the public have access, the work shall be executed with due regard to the requirements of Chapter 8 of the 'Traffic Signs Manual' Traffic Safety Measures and Signs for Road Works and Temporary Situations', (published by The Stationery Office and any amendments thereof). Traffic signs and night signals shall comply with 'The Traffic Signs Regulations and General Directions'.
 - Single line traffic shall be operated only with the approval of, or on the instructions of the Engineer. Single line traffic shall be controlled by a proper system of vehicle actuated light signals with approved phasing.
 - Where the works involve the obstruction of a footway, the Contractor shall provide an alternative safe footway, properly signed, guarded and lit.
 - When mud, clay or similar material has taken on a highway from a vehicle or as a result of the works, it shall be removed from the highway as completely and as soon as it is reasonably practicable. The Contractor's attention is drawn to Sections 148 and 149 of the Highway Act 1980. The person in charge of a vehicle shall not bring the vehicle, or cause it to be brought upon the public highway, unless all mud, clay, lime and similar material which is likely to cause an obstruction or danger to persons using the highway, or damage to the surface of the highway has been removed completely, as is reasonably practicable from the wheels.
 - The Contractor shall ensure that all highway drains and ditches, roadworks and other, are kept clear of any spoil, mud, slurry or other material likely to impede the free flow of water therein.
 - Existing public highways must not be used as site roads or sites for stock-piling and storing plant, vehicles, materials or equipment. The Contractor shall be liable for the cost of reinstatement if damage has been caused to the highway.
 - The Contractor shall comply with the general recommendations set out in BS 5228 'Code of Practice for Noise Control on Construction and Demolition Sites'. The best practicable means to prevent or reduce noise during the excavation of work shall be taken including the use of effective silencers on power-operated plant and equipment and the use of a purpose-made muffler on any pneumatic breaker or drill. Noise assessments shall be undertaken by the Contractor in accordance with the Noise at Work Regulations 1989 and copies given to the Engineer.
 - During the progress of the works, the Contractor shall:
 - Take all measures reasonably required by any Public or Statutory Authority for the full protection of its sewers, drains, pipes, mains, cables or any other apparatus, and shall afford proper facilities to accredited representatives of such authorities for access as may be necessary for inspection, repair, renewal or removal of any such apparatus.
 - Temporarily support any sewers, drains, pipes, mains, cables or other services affected by the works.
 - Be responsible for ensuring that all hydrant covers, stop tap boxes, chamber covers etc. are raised or lowered to suit the finished levels of the carriageway and footway, margin or verge. Note that all covers shall be adjusted to their final level immediately prior to the laying of the surfacing course.
 - Be aware that before final adoption of the highways, the Developer is responsible for ensuring that the Statutory Undertakers have given final approval to their plan, which is located in these highways and provide written confirmation from the Statutory Undertakers to the laying of the Engineer.
 - The S278 construction works programme shall outline that that all works within the area of carriageway construction such as drainage and sewerage works, installation of Statutory Undertakers mains and service cross sections, ducts and chambers for future cabling and street lighting shall be complete before highway construction is commenced.
 - Existing drains and culverts shall be properly connected and joined to new drains and culverts at the construction proceeds. The Contractor shall carry out any services, tests and trial holes necessary to locate existing sewers, drains and culverts.
 - Prior to breaking into an existing sewer, drain or culvert, the Contractor shall give notice of his intention and receive approval of the authority responsible for the sewer, drain or culvert. This work shall be carried out in accordance with the requirements of the appropriate Drainage or Highway Authority.
 - Gullies are not to be positioned in vehicle, pedestrian or wheel chair crossings.
 - New drainage pipelines falling any of the appropriate tests shall have defects made good and re-tested at the Contractor's expense.
 - Tactile paving in accordance with LCC standard details: SD112, SD117, & SD112/DA.

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Scale at A0	1:200	Drawn by	JRY	Checked by	-	Date	OCTOBER 2013
Status	FOR TECHNICAL APPROVAL	Project ref	R6554/PP	Drawing no.	E02	Revision	E

Rev E	Speed tables removed as requested by LCC. Amended drainage strategy.	By CM	Checked TH	Date	26.06.2015
Rev D	Eastern footway crossing of Grange Road moved nearer to the access to the surgery. Deflection arrows provided. Signs R503, R504, R505 removed. Thermoplastic footway markings provided. Crossover arrangements provided. S278/38 extents moved to top of ditch. Highway drainage detailed.	By CM	Checked TH	Date	29.07.2015
Rev C	Tactiles updated, cyclist facilities provided, footway amended to 45° M/s moved.	By CM	Checked TH	Date	26.06.2015
Rev B	Extent of works revised to accommodate additional works.			Date	25.02.2015
Rev A	Amendments following Road Safety Audit 1/2 comments.			Date	13.11.2013

Client	TAYLOR WIMPEY
Project	HOUSING DEVELOPMENT OFF GRANGE ROAD HUGGLESCOTE, LEICS.
Title	SECTION 278 WORKS GENERAL ARRANGEMENT PLAN

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