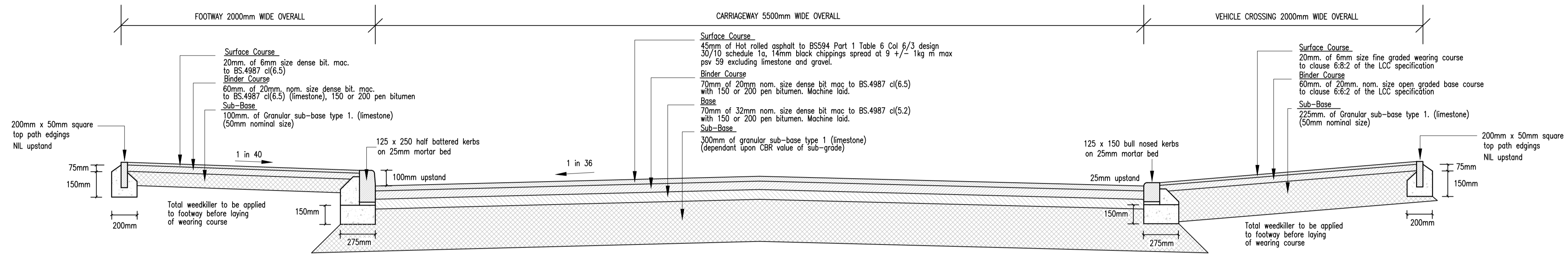


"ALL WORKS AND MATERIALS TO COMPLY WITH LANCASHIRE COUNTY COUNCIL SPECIFICATION OF ESTATE ROADS 2011 EDITION".

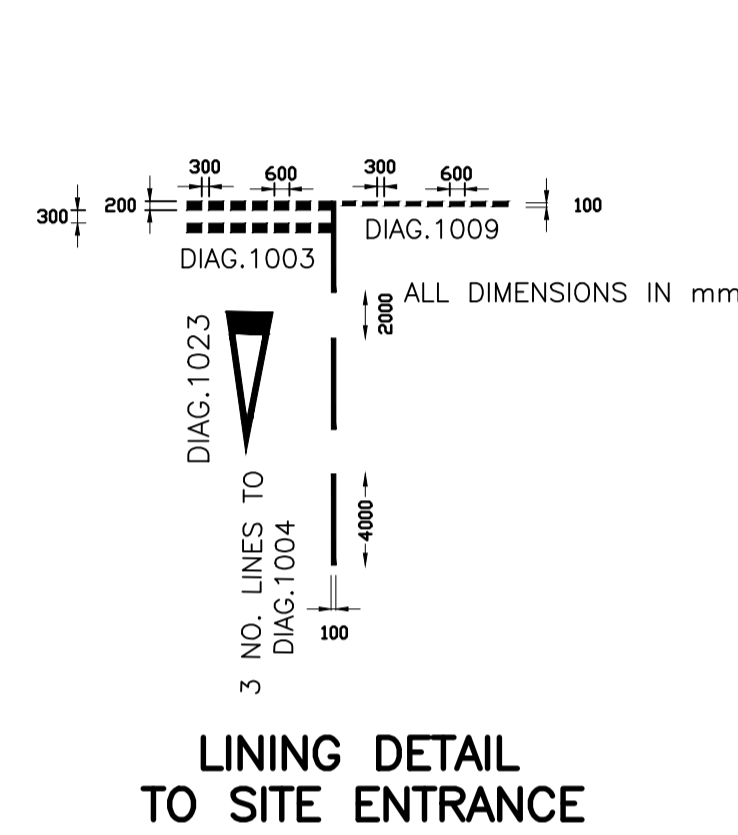


COLLECTOR ROAD

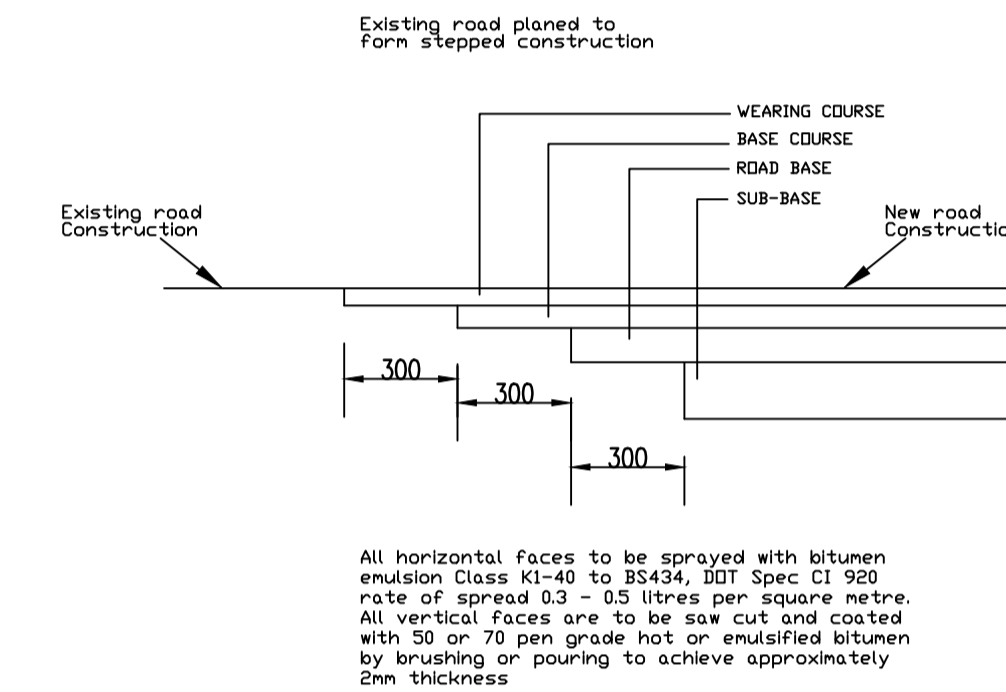
Sub-base & Capping	
<p>Sub-grade I Compact, non plastic, granular soil, e.g. gravel, sands and weathered rock with CBR of greater than 8%</p>	300mm of Type 1 sub-base
<p>Sub-grade II Firm cohesive soils e.g. firm sandy or silty clays with a CBR between 2% and 8%</p>	150mm of Type 1 sub-base over 400mm of 6F2 capping
<p>Sub-grade III Poorly drained fine granular or soft cohesive soils, e.g. heavy plastic clays, wet silty fine sands with a CBR less than 2%</p>	150mm of Type 1 sub-base over 600mm of 6F2 capping

Notes: When the sub-grade is particularly weak the Engineer may require either the sub-base thickness to be increased or, if the formation is in a poorly drained fine granular soil (e.g. silt or silty fine sand), a fabric filter sheet to be laid on the formation prior to placing the initial layer of capping material.

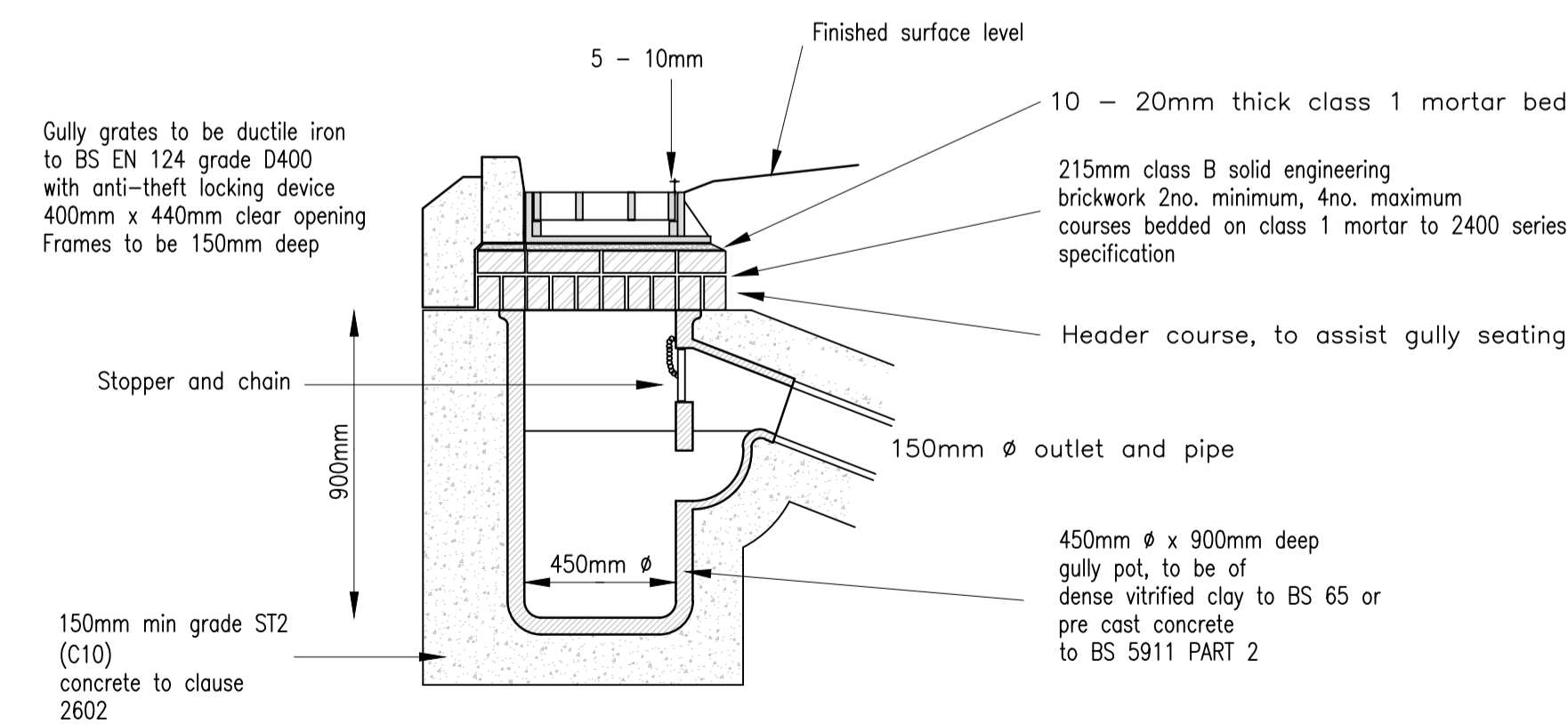
TABLE 1 EXTRACT FROM LCC SPECIFICATION FOR CONSTRUCTION OF ESTATE ROADS



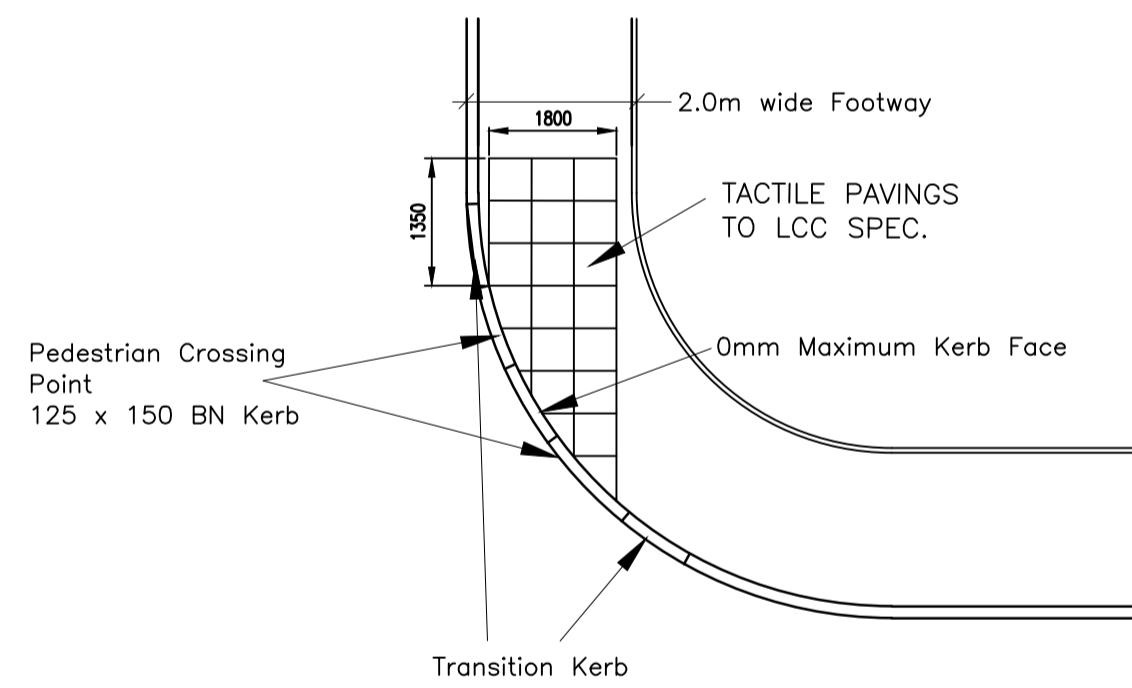
LINING DETAIL TO SITE ENTRANCE



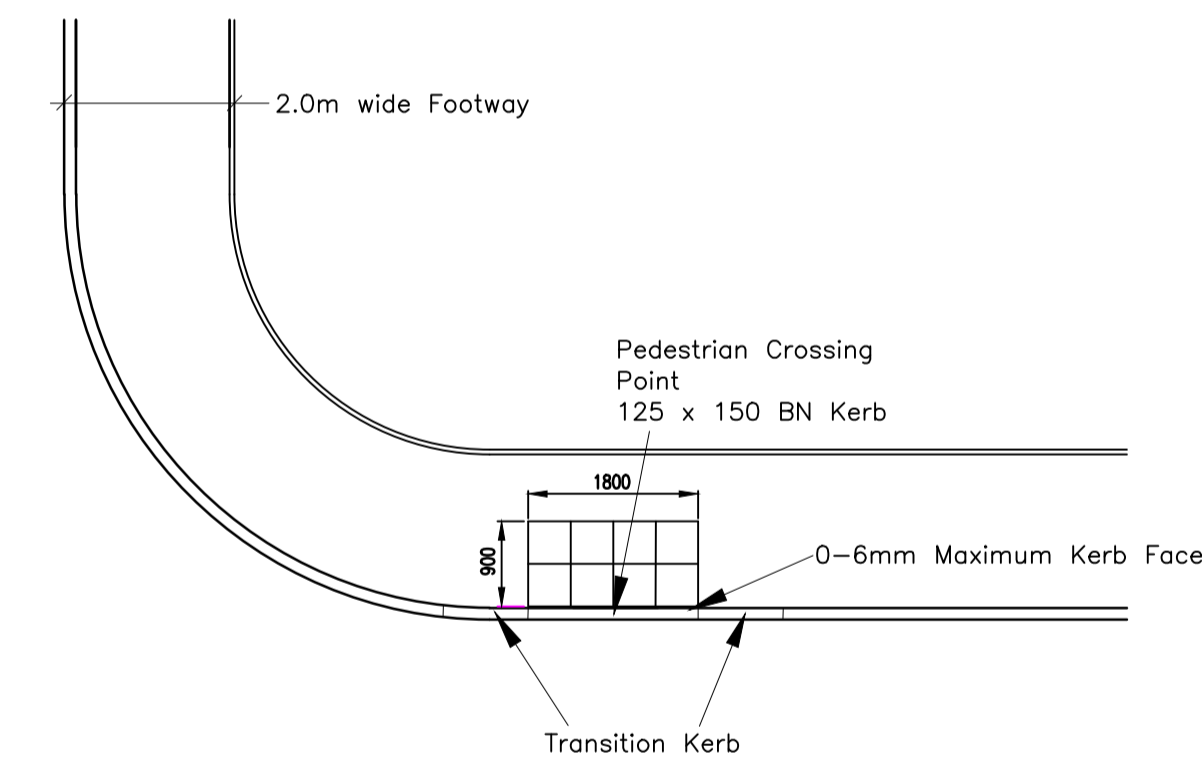
ROAD TIE-IN DETAIL



ROAD GULLY DETAIL



PLAN VIEW OF PEDESTRIAN CROSSING POINT AT RADIUS KERBING N.T.S.



PLAN VIEW OF PEDESTRIAN CROSSING POINT AT STRAIGHT KERBING N.T.S.

- GENERAL**
- All adoptable sewers and associated works are to comply fully with "Design and Construction Guidelines" & Local Practices
 - All highway works to be to adoptable standards and to comply fully with the Local Authority specification.
 - All private drainage works are to comply fully with part H of the Building Regulations
 - All existing invert levels to be checked by the Contractor at the start of works and any discrepancies notified to REFA. All levels are based on topographical survey information provided by others.
 - All materials to bear the relevant B.S.Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur)
 - All opening notices etc. as required under highways acts etc. are to be obtained prior to commencement of works. All works are to be inspected by L.A., NHBC or Relevant Water Authority as applicable.

C.D.M. REGULATIONS 2015

In line with the above regulations we are obliged to inform the Client of their responsibilities under section CDM 15/1, and residual risks that may be encountered in the construction of these works. All design work has been carried out with Health and Safety aspects given full consideration. Wherever possible risks have been eliminated from the design, however due to the very nature of this type of work it is not possible to remove all the risks from the design.

We would also respectfully remind the Client of his obligations to take all reasonable steps in ensuring that only competent Contractors who have a valid safety policy are employed. They should also provide satisfactory responses at tender stage as to the manner in which they will deal with the elements of risk involved in this type of work and in particular those highlighted by REFA below:

- Support / treatment for ALL excavation work.
 - Guarding to edges of excavations to prevent people, materials and vehicles falling into excavation.
 - Guarding of excavations outside working hours to prevent unauthorised access.
 - Undermining to adjacent roads or structures.
 - Confined space operations.
 - Dealing with existing services.
 - Traffic management on existing highways.
 - Procedure to be followed in event of accident or emergency.
 - Method of working where contaminated ground is present on site.
 - Confirmation will be required that all operatives are adequately trained, copies of relevant training certificates to be supplied.
- The above list is by no means exhaustive but it does highlight operations that present a risk to contractors and the general public. For clarification on any item please contact REFA.

rev	Revision details	RevBy	Date

worksafe designer SSIP SAFETY SCHEMES IN PROCUREMENT
www.smasitd.com

Drawing Stage	Drawing Status
<input type="checkbox"/> Draft <input checked="" type="checkbox"/> Issued	<input type="checkbox"/> Comments <input checked="" type="checkbox"/> Information <input type="checkbox"/> Approval <input type="checkbox"/> Tender <input type="checkbox"/> Construction <input type="checkbox"/> As Built

Client
OAK TREE DEVELOPMENTS

Job title
NORTHCOTE ROAD LANGHO

Drawing title
TYPICAL ROAD CONSTRUCTION DETAILS

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GEOTECHNICAL • ENVIRONMENTAL

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Date	Scale	Drawn
17.04.23	1:20	RW

DRAWING No	220099/111/1	Rev

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