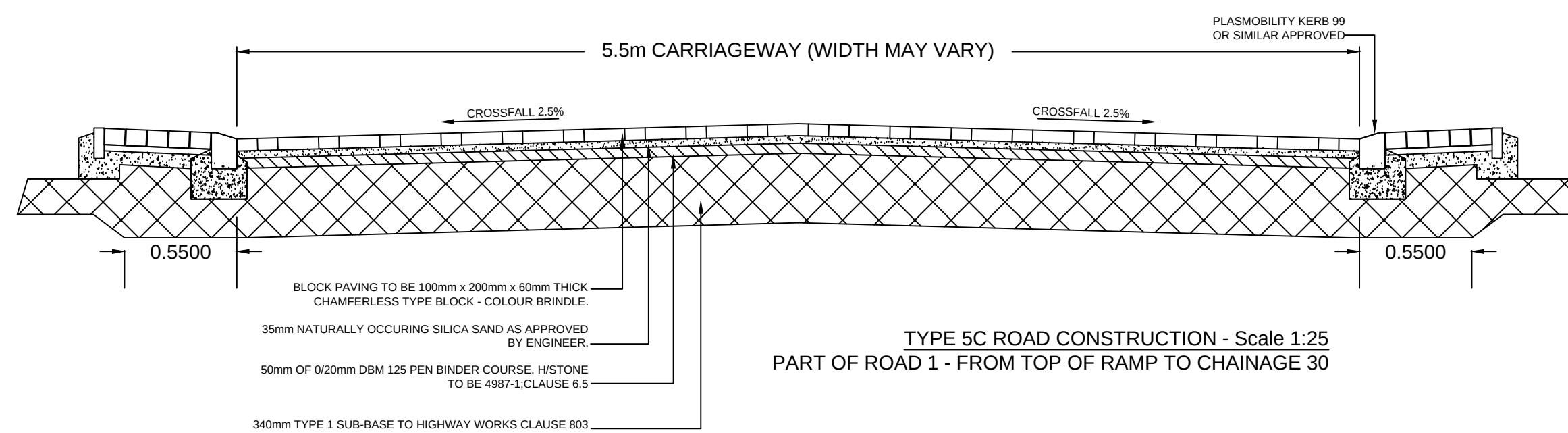
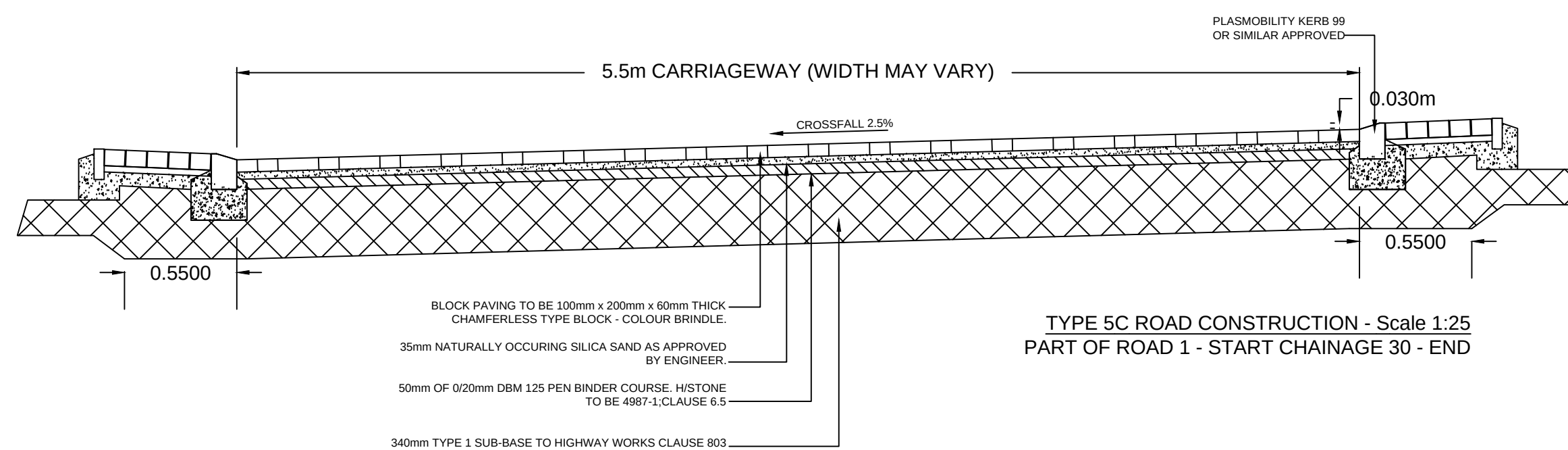
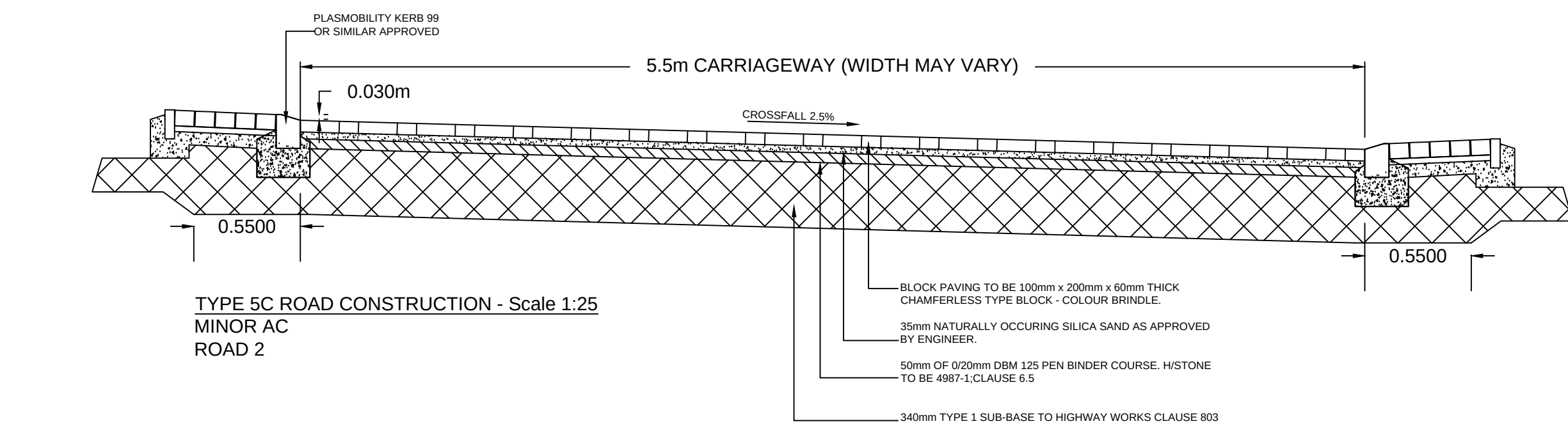




RISK ASSESSMENT: SIGNIFICANT RISKS THAT CANNOT BE DESIGNED OUT		
RISK	LEVEL OF RISK	SUGGESTED ACTION
DEEP EXCAVATIONS ASSOCIATED WITH HIGH VOLTAGE WORKS	HIGH	ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRINCH SUPPORTS
HANDLING LARGE DANGER MANHOLE RINGS AND CIRCULAR PIPES	HIGH	APPROPRIATE LIFTING EQUIPMENT AND ENSURE OPERATIVES WEAR APPROPRIATE PROTECTIVE CLOTHING/WEAR AND EQUIPMENT
CONTACT WITH SEWAGE	MED	OPERATIVES TO USE CORRECT BREATHING EQUIPMENT/CORRECT PPE
NOISE	MED	OPERATIVES TO USE CORRECT EAR PROTECTION/CORRECT PPE
DRAINAGE EXCAVATIONS ADJACENT EXISTING BOUNDARY STRUCTURES	HIGH	ENSURE CORRECT SUPPORTS ARE PROVIDED TO TRENCHES AND BOUNDARY STRUCTURES ARE SECURED
DRAINAGE EXCAVATION IN PUBLIC HIGHWAY	HIGH	ENSURE CORRECT USE OF TRINCH SUPPORTS IN EXCAVATION AND SIGN BOARDING TO AVOID THE PUBLIC
MAINTAIN ACCESS TO ADJACENT PROPERTIES AND OCCUPIERS	HIGH	ENSURE WORKS ARE PROTECTED WITH BARRIERS AND SIGNS TO GUIDE MOTORS AWAY FROM THE EXCAVATION
DRAINAGE EXCAVATIONS NEAR TO EXISTING SERVICES	HIGH	ENSURE WORKS ARE PROTECTED WITH BARRIERS AND SIGNS TO GUIDE MOTORS FROM THE PUBLIC AWAY FROM THE AREA
DRAINAGE EXCAVATIONS BENEATH EXISTING OVERHEAD POWER LINES	HIGH	ENSURE ALL PLANT IS SELECTED OR MODIFIED SO THAT IT CANNOT REACH THE LINES CONTRACTORS TO COMPLY WITH GUIDANCE NOTE G56 AVOIDANCE OF DAMAGE FROM OVERHEAD BODIES
WORKING IN CONFINED SPACES, WORKING IN DRAINS AND MANHOLES	HIGH	CONFINED SPACES WORKING TRAINED PERSONNEL, ONLY TO CARRY OUT WORKS UNDER A PERMIT TO WORK SCHEME IMPLEMENTED BY CONTRACTOR, GAS TESTING TO TAKE PLACE BEFORE ALL ENTRIES TO CONFINED SPACES
WORKING IN HIGHWAYS / RISKS FROM VEHICLE AND PLANT	HIGH	ALL WORKS TO BE SIGNED AND FENCED FROM NORMAL VEHICULAR TRAFFIC, ALL EXCAVATIONS TO BE HIGHLY VISIBLE, ALL EXCAVATION PLANT TO HAVE VISUAL AND AUDIBLE WARNING SYSTEMS
ROAD AND DRAINAGE CONSTRUCTION	HIGH	ALL EXCAVATIONS TO BE PROPERLY FENCED OFF AND SUPPORTED DURING CONSTRUCTION, ALL OPERATIVES TO BE TRAINED IN THE METHODS OF LIFTING AND WORKING IN ACCORDANCE WITH LOLER

IT IS ASSUMED THAT RISKS ASSOCIATED WITH THIS DESIGN WILL BE UNDERTAKEN BY A PERSON OR PERSONS WHO ARE COMPETENT AND HAVE THE REQUIRED LEVEL OF EXPERIENCE AND EXPERTISE

NOTES:
a) The shared vehicle crossings to Plots 3,4,5,6,7 & 8 should be the following enhanced crossing construction :-

25mm thick 0/6mm DBM 190 Pen Surface Course Limestone to BS 4987-1; Clause 7.5
75mm thick 0/20mm DBM 190 Pen Binder Course Limestone to BS 4987-1; Clause 6.5
200mm thick Type 1 Sub-Base to Specification for Highway Works Clause 803.

IF THE PIPE MATERIAL IS NOT SHOWN ON THE INDIVIDUAL PIPE LENGTH THEN,
ALL PIPEWORK 300mm DIAM OR LESS TO BE VITRIFIED CLAY CONFORMING WITH BS 65, MINIMUM CRUSHING STRENGTHS TO BE AS FOLLOWS: 100mm DIA 40kN/m, 150mm DIA 40kN/m, 225mm DIA 45kN/m and 300mm DIA 72kN/m.
ALL PIPEWORK 375mm DIAM OR GREATER TO BE CONCRETE CLASS 120 TO EN 1916 / BS 5911-1 : 2002.
ADAPTABLE SEWERS TO BE LAID IN CLASS 'S' GRANULAR BED & SURROUND.



A	Yorkshire Water notes removed	NJB	16.04.20	PJM
Rev	Amendment	Drawn	Date	Checked

PRELIMINARY
DRAWING



Client	YGI LTD
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Project Title

STUD FARM, BARNSELY
LAND OFF SPRING LANE, CARLTON

Drawing Title	TYPICAL HIGHWAY DETAILS
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Scale	AS SHOWN	Drawn By	NJB
Drawing Size	A1	Checked By	PJM
Date	27.03.20	Approved By	PJM
	Drawing Number	Rev	
	11444-013	A	