

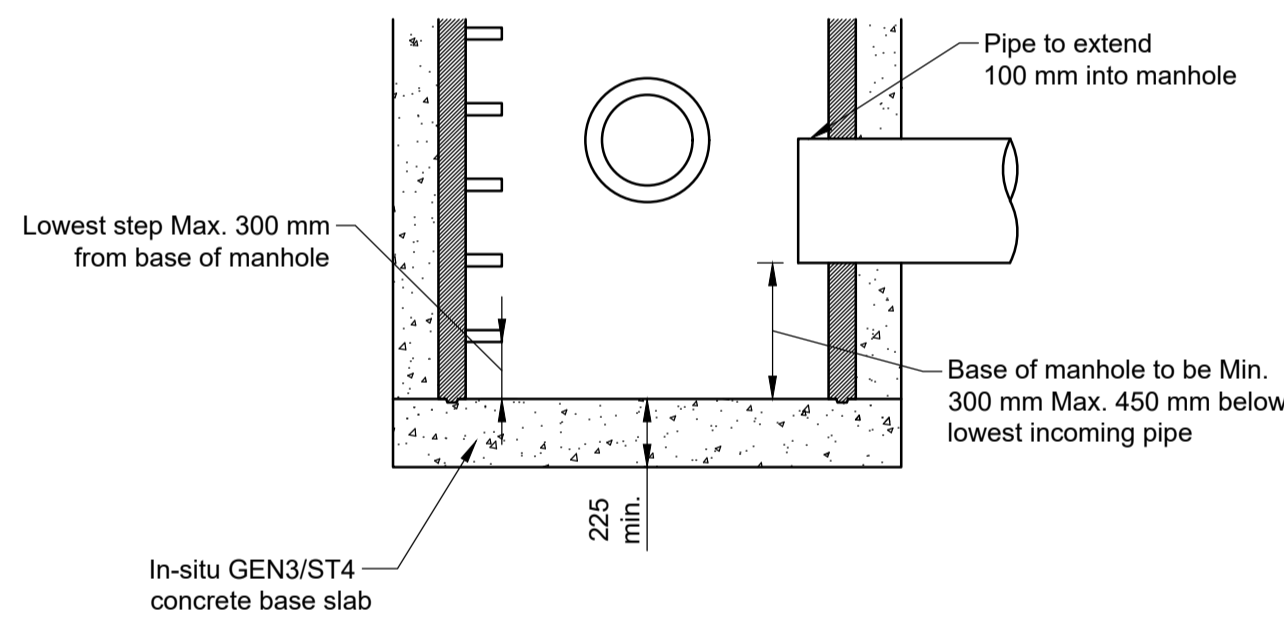
PROCESSED AND AS-DUG GRANULAR BEDDING FOR PIPES

Pipe nominal size (mm)	Nominal maximum particle size (mm)	Suitable Materials
100	10	10 mm nominal single size
Over 100 to 150	16	10 or 14mm nominal single-size or 14mm to 5mm graded
Over 150 to 300	20	10, 14 or 20mm nominal single-size or 14mm to 5mm graded or 20mm to 5mm graded
Over 300 to 550	20	14 or 20mm nominal single-size or 14 to 5mm graded or 20 to 5mm graded
Over 550	40	14, 20 or 40mm nominal single sized crushed rock or 14mm to 5mm graded or 20mm to 5mm graded or 40mm to 5mm graded

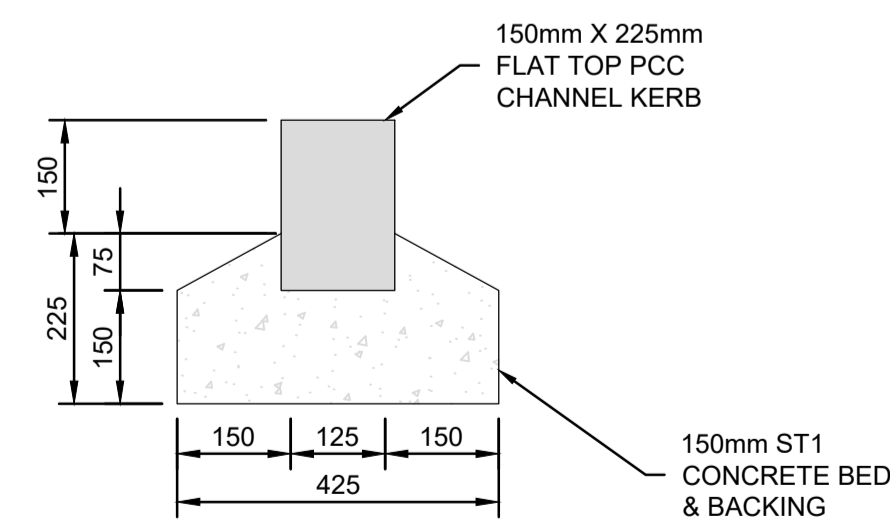
Maximum Compaction Fraction value for all granular bedding: 0.15

CLASS S BEDDING FOR RIGID AND FLEXIBLE PIPES

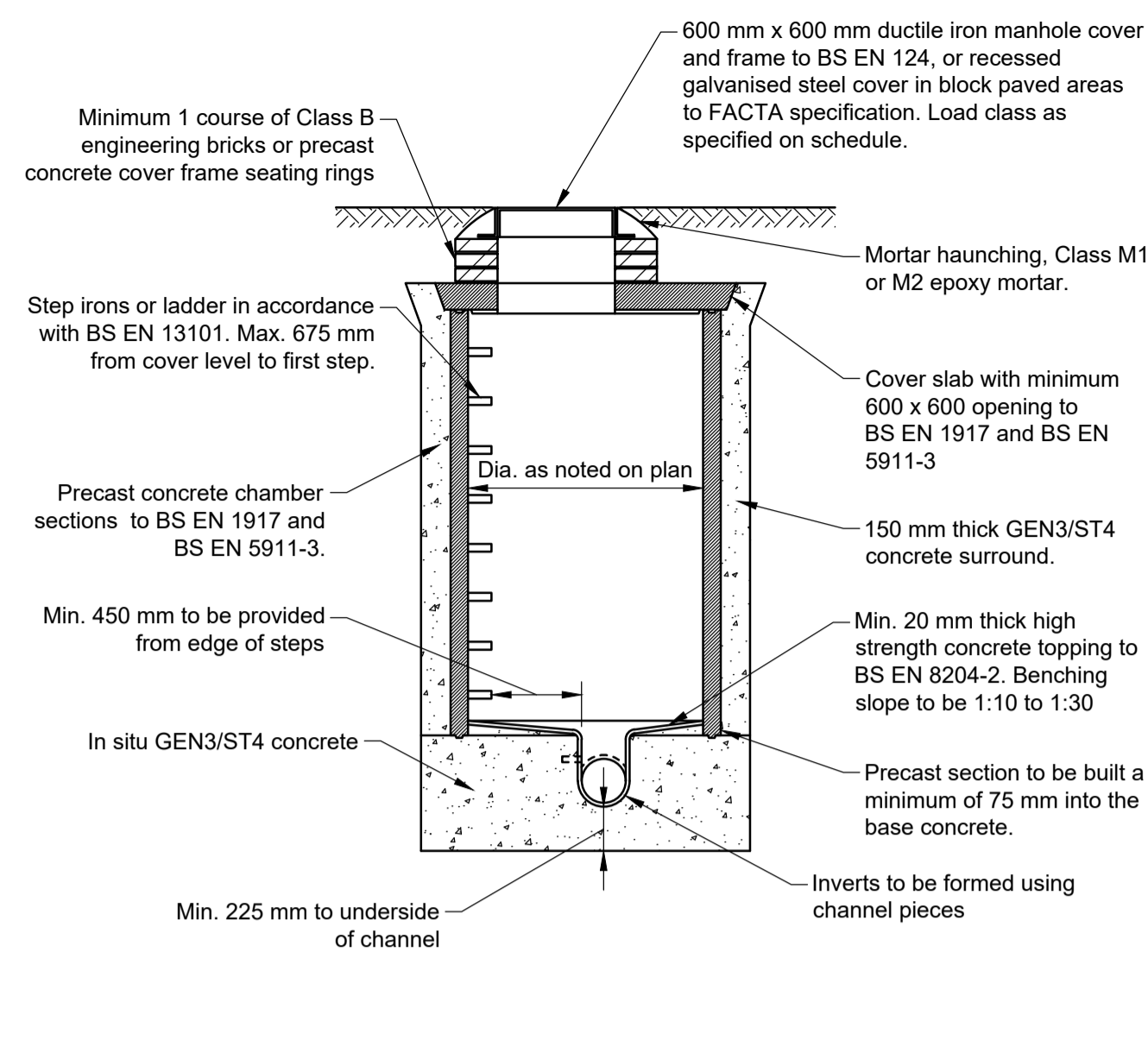
Unless noted otherwise all details are as per the detail for a typical precast concrete manhole



PRECAST CONCRETE CATCHPIT BASE DETAIL
1:20 SCALE @ A1

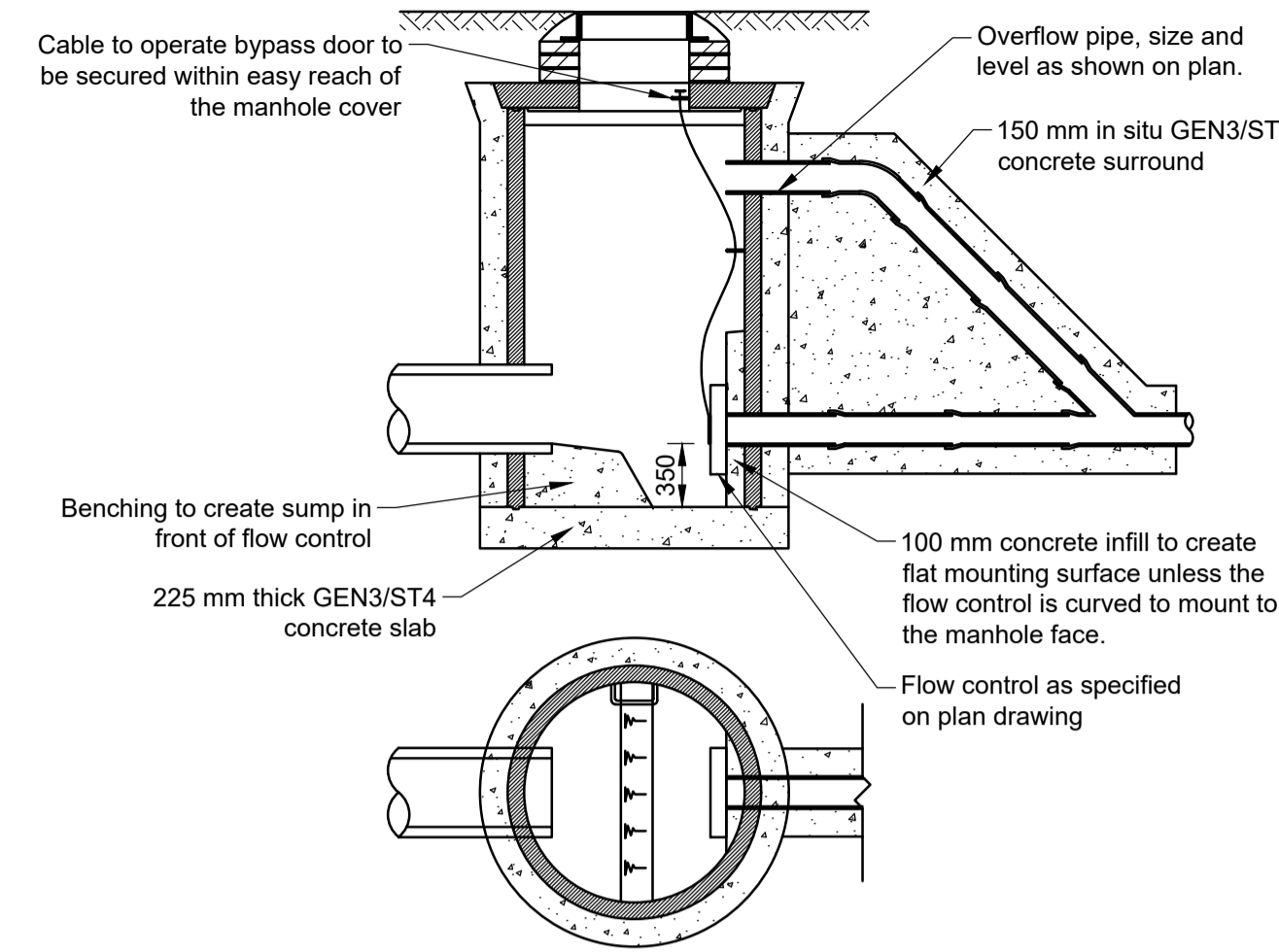


CS2 KERB DETAIL
1:10 SCALE @ A1

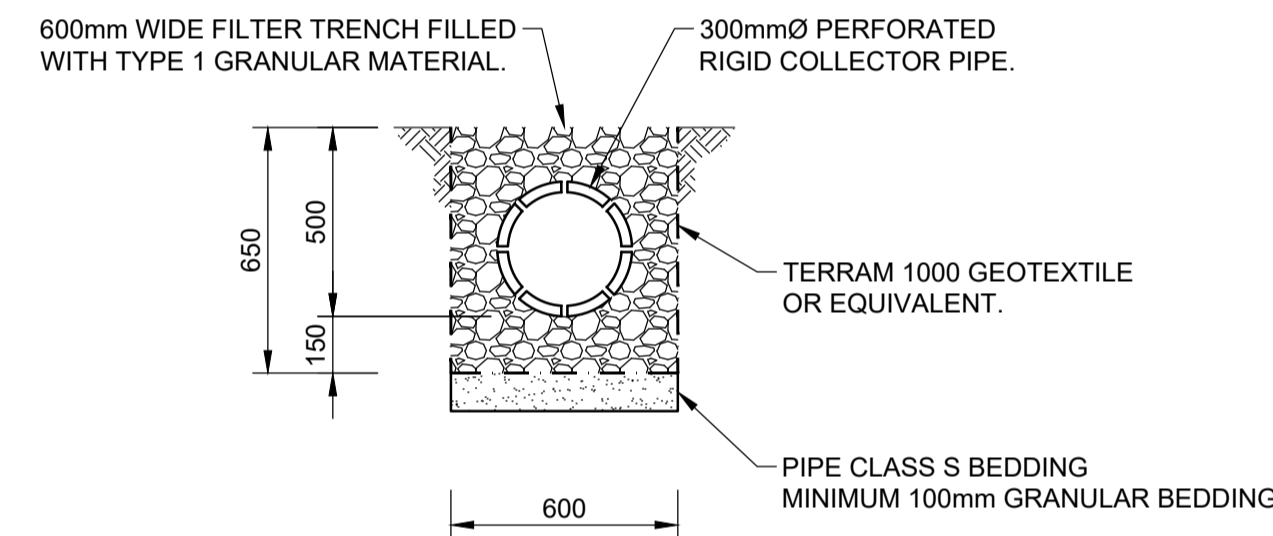


PRECAST CONCRETE MANHOLE
1:20 SCALE @ A1

1. Unless noted otherwise all details are as per the detail for a typical precast concrete manhole.
2. Installation to be strictly in accordance with the manufacturer/supplier's requirements.



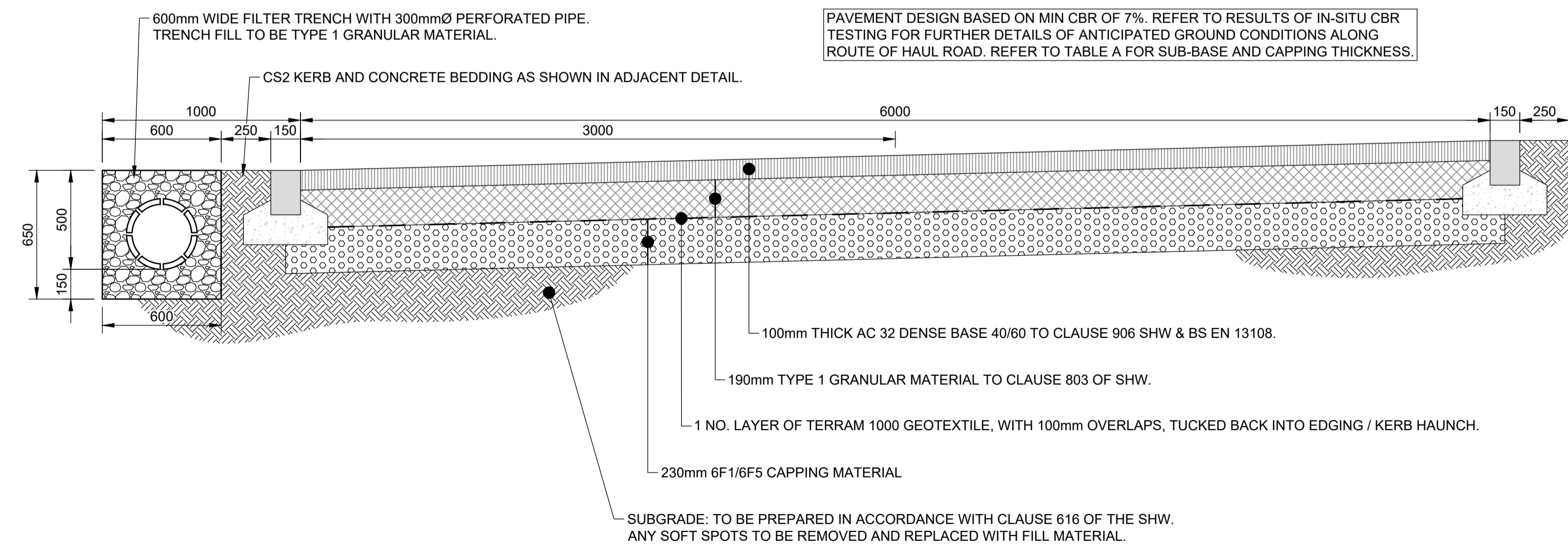
TYPICAL VORTEX FLOW CONTROL
1:20 SCALE @ A1



FILTER TRENCH DETAIL
1:20 SCALE @ A1

TABLE A. CAPPING AND SUB BASE DEPTH BASED ON CBR VALUE - CARRIAGEWAYS

CBR %	CAPPING DEPTH (mm)	SUB-BASE DEPTH (mm)
2.5	250	350
3	240	320
4	220	270
5	210	240
6	200	230
7	190	230
8-9	180	230
10-11	170	230
12-13	160	230
14-15	150	230



TYPICAL CARRIAGEWAY CONSTRUCTION DETAIL SHOWING PARALLEL FILTER TRENCHES
1:20 SCALE @ A1

DRAINAGE DETAIL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS AND SPECIFICATIONS
- DO NOT SCALE FROM THIS DRAWING IN EITHER PAPER OR DIGITAL FORM. USE WRITTEN DIMENSIONS ONLY.
- CDM NOTE: ALL PIPEWORK, SILT TRAPS, CATCHPITS, TRAPPED GULLIES, ATTENUATION TANKS AND PUMP CHAMBERS TO BE REGULARLY INSPECTED EVERY THREE MONTHS AND CLEARED OUT ON A REGULAR FREQUENCY FOR THE FIRST NINE MONTHS. AFTER THIS PERIOD THE FREQUENCY CAN BE REDUCED TO EVERY SIX MONTHS. PUMP SETS TO BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER/PUMP PROVIDER. POROUS SURFACE TO BE REGULARLY SWEEPED THREE TIMES A YEAR TO REMOVE THE SILT. GREASE TRAPS/INTERCEPTORS ARE TO BE INSPECTED/EMPTIED AT LEAST ONCE A MONTH AND, PREFERABLY, EVERY TWO WEEKS.
- HEALTH AND SAFETY: THE WORKS SHALL BE CARRIED 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 REGULATIONS.
- REFER TO THE MANUFACTURER'S INSTALLATION GUIDANCE FOR ALL SPECIFIED PRODUCTS.
- ANY SOFT SPOTS IN THE FORMATION ARE TO BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF ANY PAVEMENT WORKS. ALL SOFT SPOTS SHALL BE REMOVED AND REPLACED WITH A FILL MATERIAL TO THE DESIGN ENGINEER'S SPECIFICATION.
- KERBS
 - KERB UNITS ARE TO BE COMPLIANT TO BS EN 1340:2003 OR BS EN 1343:2001.
 - ALL KERB UNITS ARE TO BE LAID IN ACCORDANCE WITH THE REQUIREMENTS OF BS 7533-6: 1999.
 - KERB FOUNDATION MOVEMENT JOINTS ARE TO BE FORMED USING A COMPRESSIBLE JOINT FILLER BOARD IN ACCORDANCE WITH SHW 1015.
- ASPHALT SURFACING
 - ALL BITUMINOUS MIXTURES FOR AC DESIGNATED MATERIALS SHALL BE IN ACCORDANCE WITH BS EN 13108-1.
 - AGGREGATE FOR BITUMINOUS MIXTURES SHALL BE IN ACCORDANCE WITH BS EN 13043.
 - PAVING GRADE BITUMEN SHALL COMPLY WITH BS EN 12591.
 - ALL BITUMINOUS MIXTURES SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH CLAUSE 903 OF THE SHW.
- SUB-BASE MATERIAL
 - SUB-BASE MATERIAL SHALL BE TO BS EN 13285 AND TABLE 8/1 OF THE SHW.
 - SUB-BASE MATERIAL SHALL BE LAID IN ACCORDANCE WITH CLAUSE 802 OF THE SHW.

NOT FOR CONSTRUCTION

Rev	Date	Description	Drawn	Check
P02	12.12.22	DETAILS AND NOTES AMENDED	JT	AM
P01	07.12.22	STAGE 3 ISSUE	JT	AS

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Drawing Status
S3 - SUITABLE FOR REVIEW & COMMENT

Project	Date
HAUL ROAD	DEC 2022

Scale AS SHOWN
Details Sheet 1 of 1
Drawn JT
Title HERTFORDSHIRE POLICE HQ DOG UNIT
Engineer AS
Project No **220802**
Drawing No **HQDTC-CON-XX-XX-DR-C-03300**
Revision **P02**