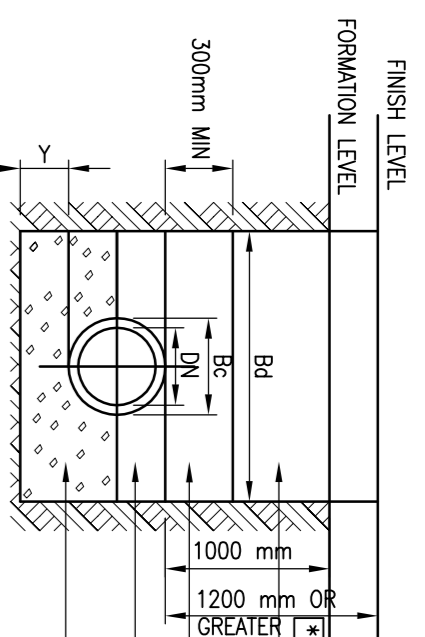


### DRAIN BEDDING DETAIL

DIMENSION Y = IN ROCK, CONCRETE OR WEDD SOLIDS CONTAINING ROCK BANDS, BOLLERS, LARGE FLINTS OR STONES OR OTHER BRICKLAY HARD SPOTS THAT RESULT IN UNEVEN TRENCH BOTTOM. Y = 1/4 Bc OR 20mm WHICH EVER IS THE GREATER, BUT NOT LESS THAN 50mm UNDER COLLARS IN SOLS THAT PERMIT AN EVEN TRENCH BOTTOM TO BE EXCAVATED. Y = 1/5 Bc OR 150mm WHICH EVER IS GREATER, BUT NOT LESS THAN 50mm UNDER COLLARS

NOTES

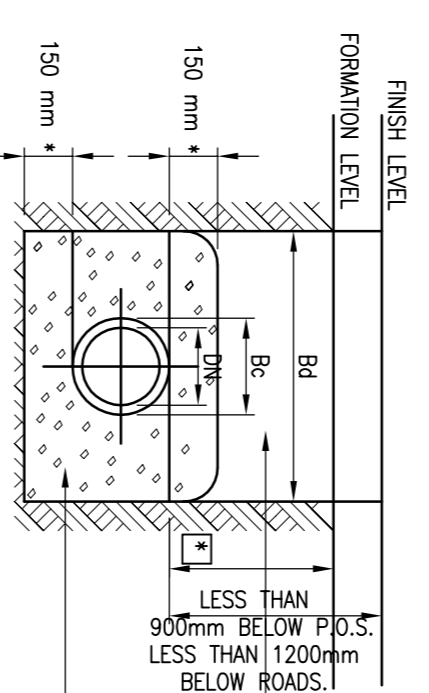
- 1) FOR PIPS EXCEEDING 600mm DIA REFER TO DRAWING
- 2) IN WET OR SOFT GROUND SEEK GUIDANCE FROM ENGINEER
- 3) THE BEDDINGS MAY BE MODIFIED FOR CERTAIN SUB-SOIL CONDITIONS AT THE ENGINEER'S DISCRETION
- 4) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADDITIONAL PROTECTION IN AREAS SUBJECT TO LOADS FROM SITE TRAFFIC. THE CONTRACTOR SHALL DEMARK THESE ZONES AND RESTRICT TRAFFIC ESTABLISHMENT
- 5) SEE ALSO ENV2
- 6) FOR GREATER TRENCH WIDTHS SEEK GUIDANCE FROM ENGINEER



### CLASS B GRANULAR BED

NOMINAL INTERNAL DIA. DN (mm)	ASSUMED NOMINAL INTERNAL DIA. OF TRENCH WIDTH (mm)	ASSUMED MAX. PERMISSIBLE TRENCH WIDTH (mm)	DIMENSION 'Y' FOR UNIFORM SOLS (mm)
100	130	600	100
150	190	700	100
225	280	800	100
300	388	800	125
375	500	1100	125
450	500	1200	125
525	670	1200	125
600	770	1400	125

### CLASS S GRANULAR SURROUND

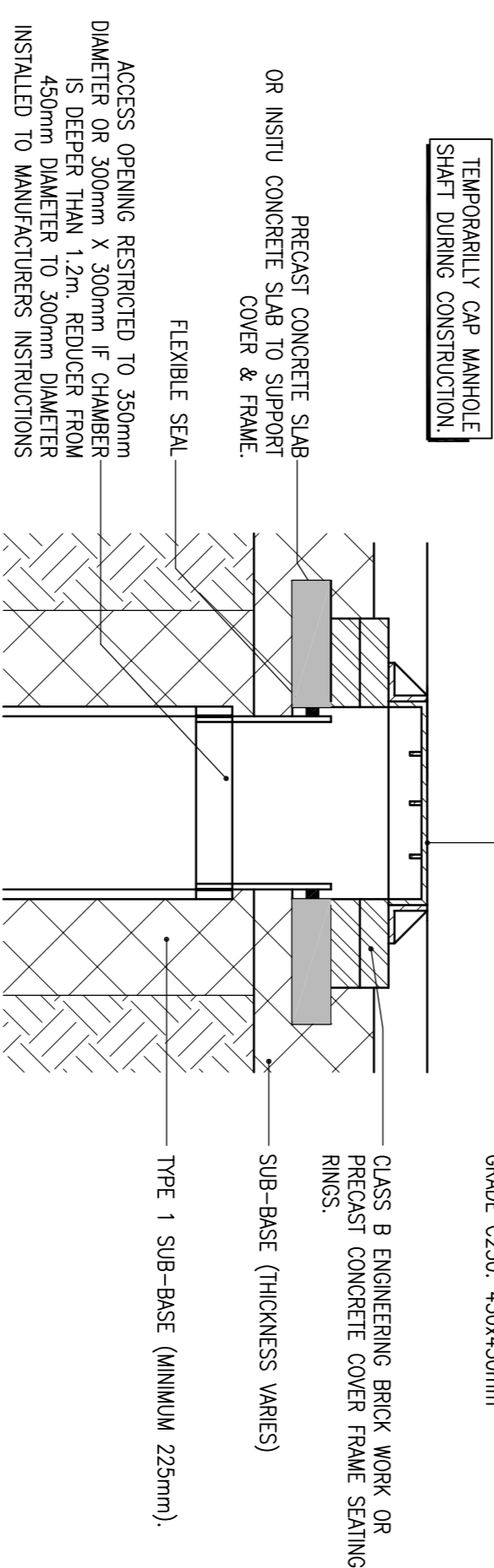


### CLASS Z CONCRETE BED & SURROUND (C.B.S.)

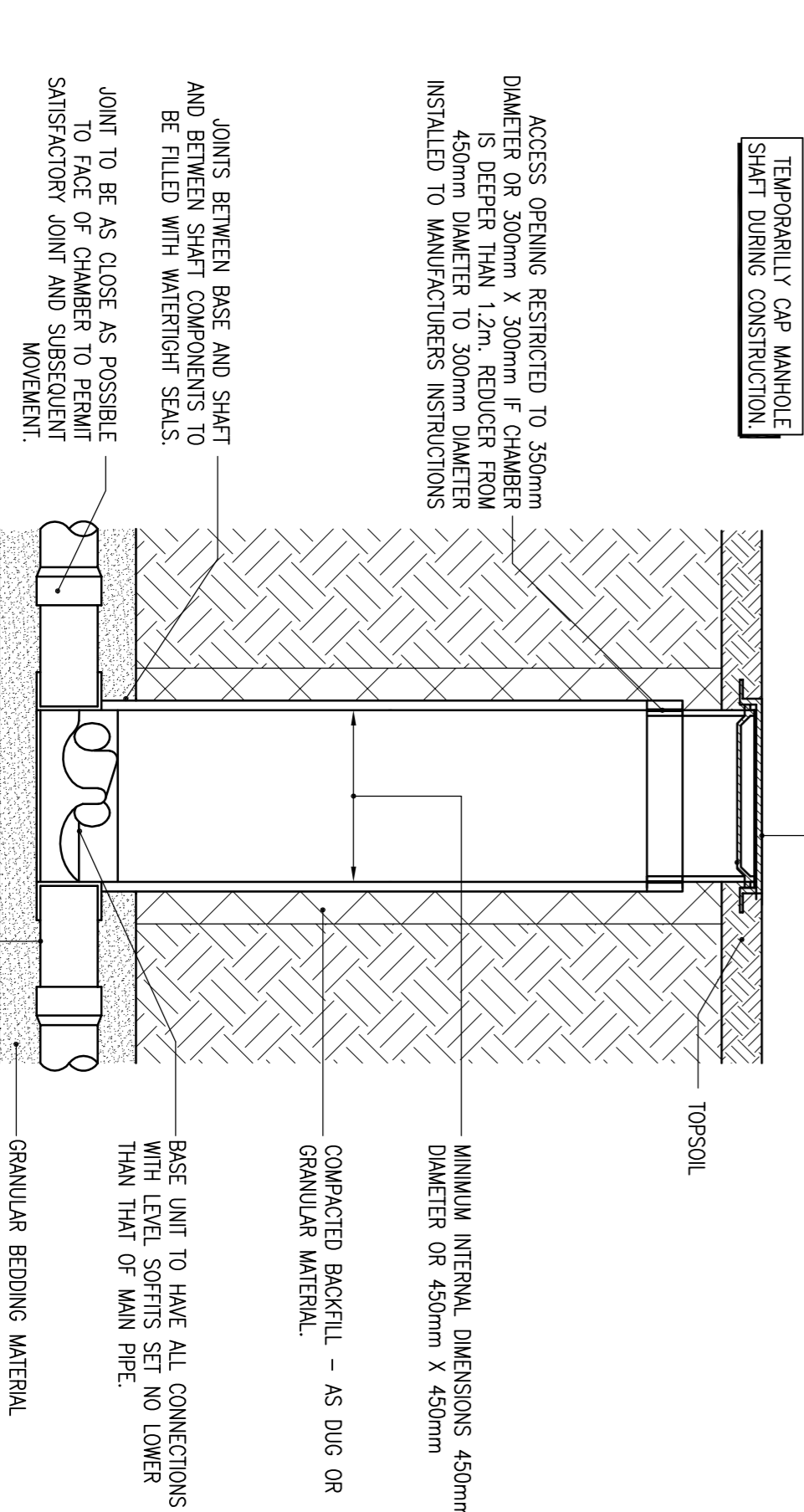
150mm SURROUNDED UP TO 300mm DIA PIPE (420mm SURROUND ON 375mm DIA AND ABOVE) OF STEEL/FRP SHIELD FORMERS OF 25mm THICKNESS OF PROLAPSED TYPE SHALL BE INSTALLED ON EACH JOINT ON ROCKER PIPS AT MANHOLES ETC AND EXTER THIRD JOINT (NOT EXCEEDING 5 METRES) ON RUNS OF DRAIN

PIPE SIZE	AGGREGATE
100mm	10mm SINGLE SIZE
150mm	10 OR 14mm SINGLE SIZE OF 14-15mm GRADED
150mm - 300mm	10, 14, 20 SINGLE SIZE OR 20-25mm GRADED
600mm	10, 14, 20 OR 40mm SINGLE CRUSHED ROCK OR 40-45mm GRADED

### SITED IN DOMESTIC DRIVEWAYS/PAVED AREAS



### SITED IN SOFT LANDSCAPED AREAS

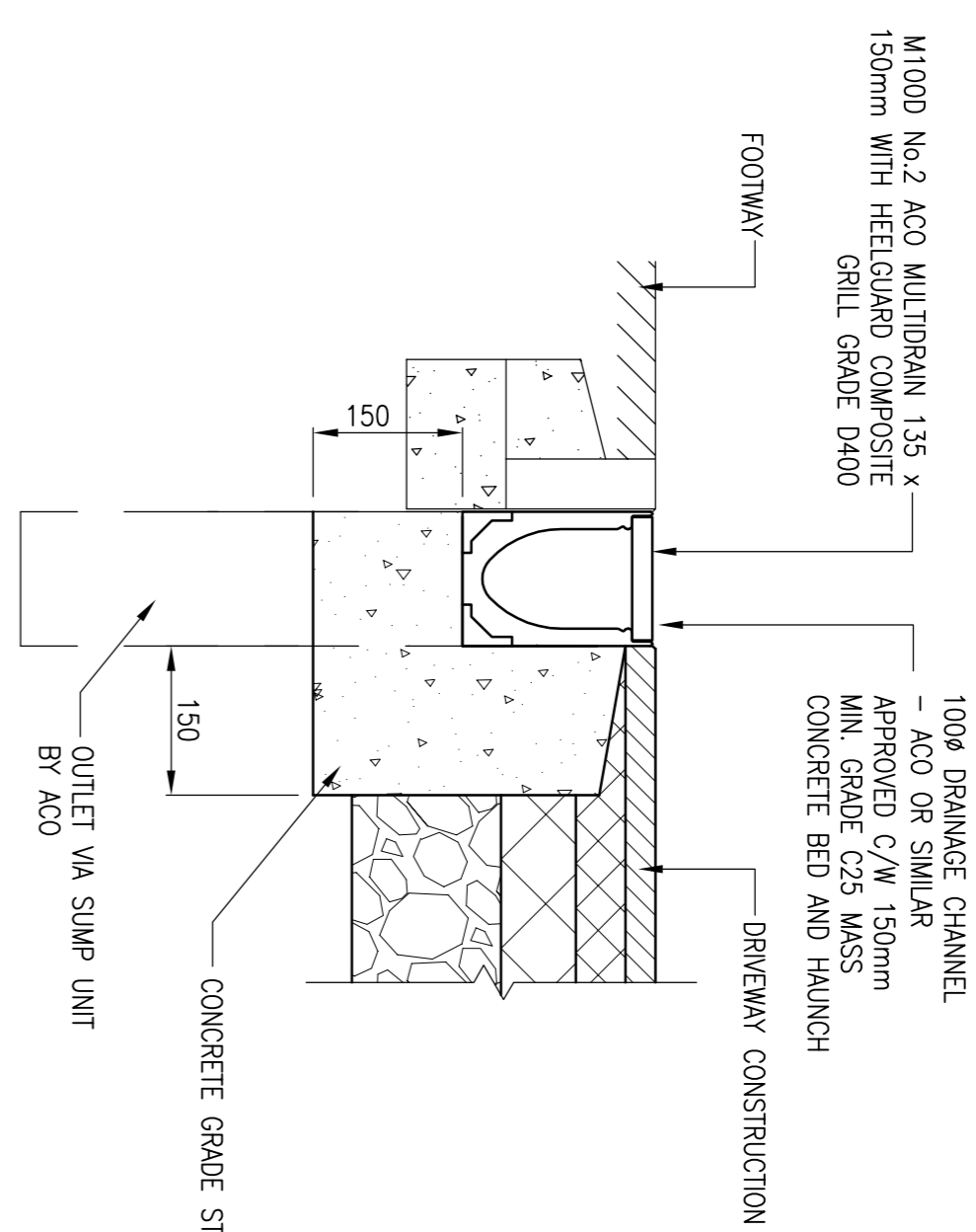


### PLASTIC INSPECTION CHAMBER

NOTE:  
1. PLASTIC INSPECTION CHAMBER WITH A DEPTH EXCEEDING 1200mm SHALL BE INSTALLED WITH REDUCED TO 350mm DIA AS DETAIL ABOVE.  
2. PLASTIC INSPECTION CHAMBER AS SPECIFIED BY GSW/DRIP OR SIMILAR AND APPROVED.

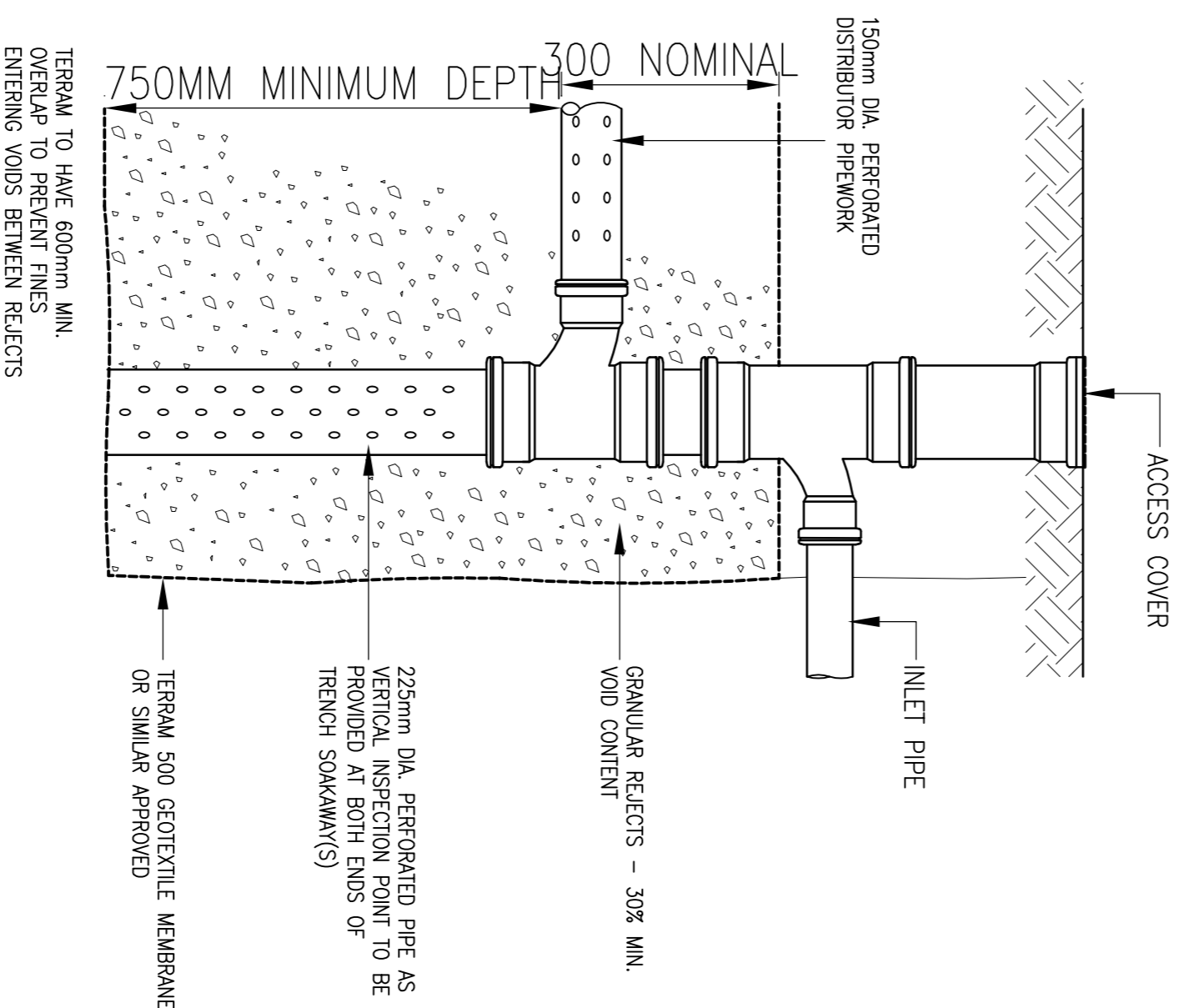
### ACO M1000 DRAINAGE CHANNEL

NOT TO SCALE



### TRENCH SOAKAWAY - INSPECTION POINT DETAIL

SCALE = 1:20



### NOTES

1. THIS DRAWING IS COPYRIGHT.
2. THE CONTRACTOR AND HIS SUBCONTRACTOR ARE TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO MAKING SHOP DRAWINGS OR COMMENCING MANUFACTURE.
3. DO NOT SCALE THIS DRAWING. THE CONTRACTOR IS TO BRING TO THE NOTICE OF THE ENGINEER ANY DISCREPANCIES CONTAINED IN THIS DRAWING PRIOR TO WORK COMMENCEMENT.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALIST SUB-CONTRACTORS DRAWINGS AND THE SPECIFICATION.
5. ALL SETTING OUT TO BE IN ACCORDANCE WITH THE ARCHITECTS DRAWINGS. ANY DISCREPANCIES BETWEEN THE ENGINEERS AND THE ARCHITECTS DRAWINGS TO BE REFERRED TO THE ARCHITECT BEFORE PROCEEDING. DIMENSIONS MUST NOT BE SCALED.
6. THIS DRAWING HAS BEEN PRODUCED BASED UPON LAYOUTS COMPILED AND SUPPLIED BY THE ARCHITECT IN ELECTRONIC FORMAT. NO RESPONSIBILITY IS TAKEN FOR ANY INACCURACIES AND/OR OMISSIONS IN THE INFORMATION AS SUPPLIED.
7. ALL WORKS TO BE INCLUDED IN THE SECTION 38 AGREEMENT SHALL BE IN ACCORDANCE WITH THE OXFORDSHIRE COUNTY COUNCIL DESIGN GUIDE AND THE SPECIFICATION FOR HIGHWAY WORKS PUBLISHED BY THE DEPARTMENT FOR TRANSPORT.

### HEALTH & SAFETY

ALL WORKS TO BE CARRIED OUT BY A CONTRACTOR COMPETENT TO UNDERTAKE THE CONSTRUCTION OF WORKS AS INDICATED ON THIS DRAWING. THE CONTRACTOR IS TO BE RESPONSIBLE FOR THE JOB DESIGNING AND ASSESSING THE HAZARD AND RISK WITHIN THE WORK. THE WORKER MUST BE AWARE OF THE HAZARD AND RISK FACED BY A COMPETENT CONTRACTOR WHEN DEALING WITH THE TYPE OF WORKS DETAILED ON THIS DRAWING.

T2 ACO DETAIL ADDED  
T1 TENDER ISSUE

18.12.17 DC  
14.12.17 DC

Drawing Status: TENDER

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Sheet: ELMERSBROOK, BICESTER  
Drawn: PHASE 3 & 4  
Dwg Title: DRAINAGE CONSTRUCTION DETAILS

Scale: NTS  
Page Size: A1  
Print: DC  
Date: DEC 17  
Checked: MD  
Revised:

Drawing No: 14790TA-3256  
T2