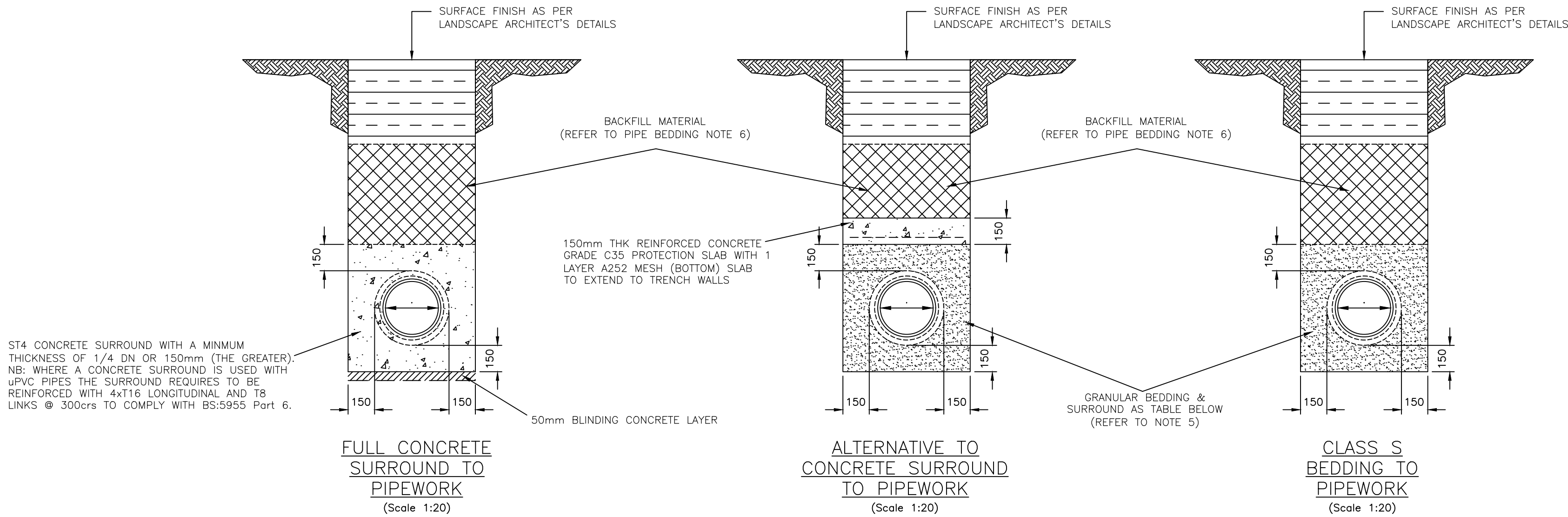




PIPE BEDDING SPECIFICATION TABLE (THIS TABLE TO BE READ IN CONJUNCTION WITH W.I.S. No. 4-08-02A:2008)					
PIPE NOMINAL BORE	CLASS OF BEDDING	NOMINAL MAXIMUM PRACTICLE SIZE	Max. CF VALUE NON-PRESSURE PIPE	Max. CF VALUE PRESSURE PIPE	MATERIALS SPECIFIED IN BRITISH STANDARDS
100mm	'S'	10mm	0.15 0.30	0.30	10mm NOMINAL SINGLE SIZE
100 – 150mm	'S'	15mm	0.15 0.30	0.30	10 OR 14mm NOMINAL SINGLE SIZE OR 14mm TO 5mm GRADED
150 – 300mm	'S'	20mm	0.15 0.30	0.30	10, 14 OR 20mm NOMINAL SINGLE SIZE OR 14mm TO 5mm GRADED OR 20mm TO 5mm GRADED
300 – 550mm	'S'	20mm	0.15 0.30	0.30	14 OR 20mm NOMINAL SINGLE SIZE OR 14mm TO 5mm GRADED OR 20mm TO 5mm GRADED
<550mm	'S'	40mm	0.15 0.30	0.30	14, 20 OR 40mm NOMINAL SINGLE SIZE OR 14mm TO 5mm GRADED OR 20mm TO 5mm GRADED OR 40mm TO 5mm GRADED

PIPE BEDDING REQUIREMENT		
LOCATION	COVER TO PIPE SOFFIT	BEDDING TYPE
ROADS (ADOPTED SEWERS)	>1.2m	CLASS 'S' GRANULAR BED & SURROUND
	<1.2m	CONCRETE SURROUND
	<1.5m	CONCRETE SURROUND
UNDER BUILDING SLAB	>0.45m	CLASS 'B' GRANULAR BED & SURROUND
	<0.45m	CONCRETE SURROUND

PIPE TYPE & BEDDING NOTES

1 THE FOLLOWING PIPE STRENGTHS SHALL BE ADOPTED UNLESS NOTED OTHERWISE:-

uPVC SHALL BE DOUBLE STRUCTURED WALL SEWER PIPE SHALL COMPLY WITH THE RELEVANT PROVISIONS OF WIS-4-35-01 IN ACCORDANCE WITH BS EN1401 PE 1 2009.

uPVC JOINTS & FITTINGS FOR GRAVITY SEWERS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS:4346 Part 3, AND BS:4660:2000, SOLVENT CEMENT MAY ALTERNATIVELY COMPLY WITH BS:6209.

PIPES UP TO AND INCLUDING 300mm Ø TO BE UNPLASTICISED PVC DOUBLE STRUCTURED WALL UNLESS NOTED OTHERWISE.

PIPES ABOVE 300mm Ø TO BE CLASS M CONCRETE UNLESS NOTED OTHERWISE.

2 REFER TO LAYOUT PLAN FOR PIPEWORK TYPE & LOCATION.

3 WHERE COVER IS LESS THAN 1.2m Dp BELOW TRAFFICKED AREA OR 0.9m DP BELOW LANDSCAPE AREAS SHALL BE PROVIDED WITH CONCRETE SURROUND TO COMPLY WITH BS:5955 Part 6 REQUIREMENT OR THE ALTERNATIVE CONCRETE SURROUND DETAIL SHOULD BE ADOPTED.

4 ALL WORK AND MATERIAL TO COMPLY WITH THE SEWERS FOR SCOTLAND 3rd EDITION.

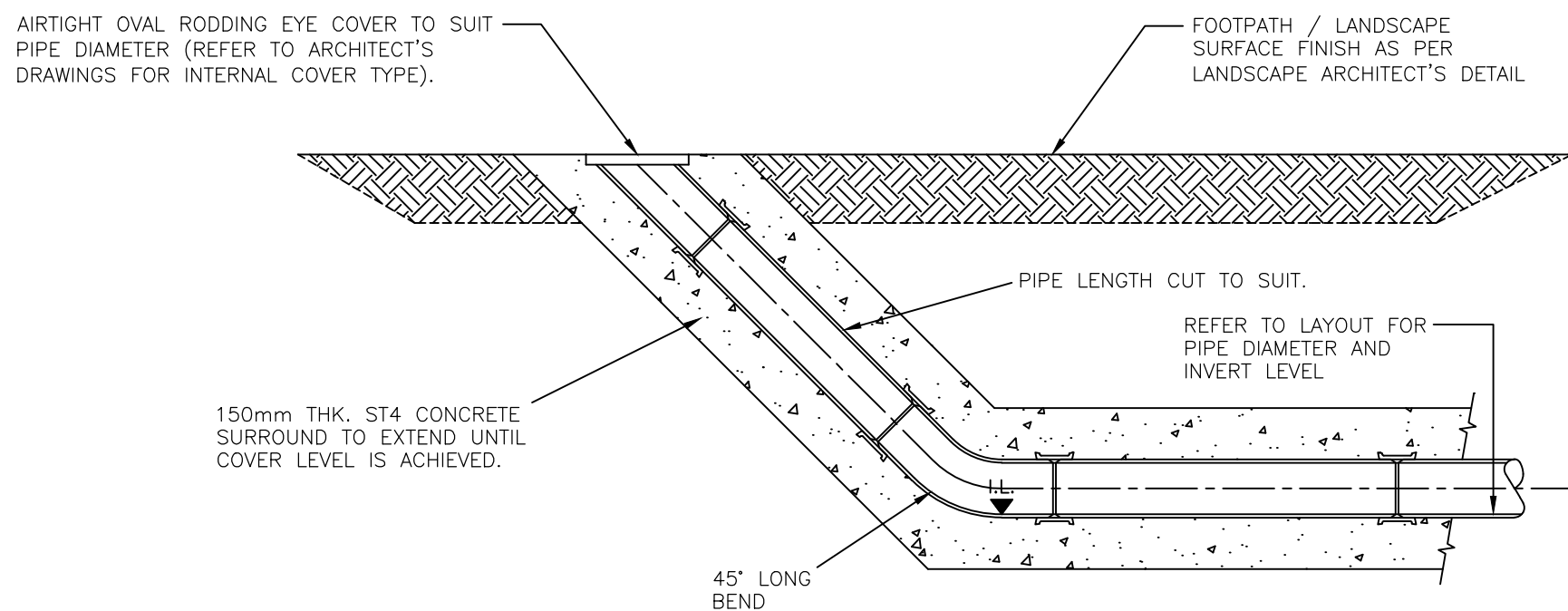
5 SPECIFICATION FOR BEDDING AND SIDEWALL MATERIALS TO BE WATER INDUSTRY SPECIFICATION (WIS) 4-08-02A:2008

6 BACKFILL SHALL BE UNIFORM READILY COMPATIBLE MATERIAL FREE FROM VEGETABLE MATTER, BUILDING RUBBISH, FROZEN SOIL, MATERIAL SUSCEPTIBLE TO SPONTANEOUS COMBUSTION & CLAY LUMPS & STONE RETAINED ON 75mm SIEVE & 37.5mm SIEVE RESPECTIVELY.

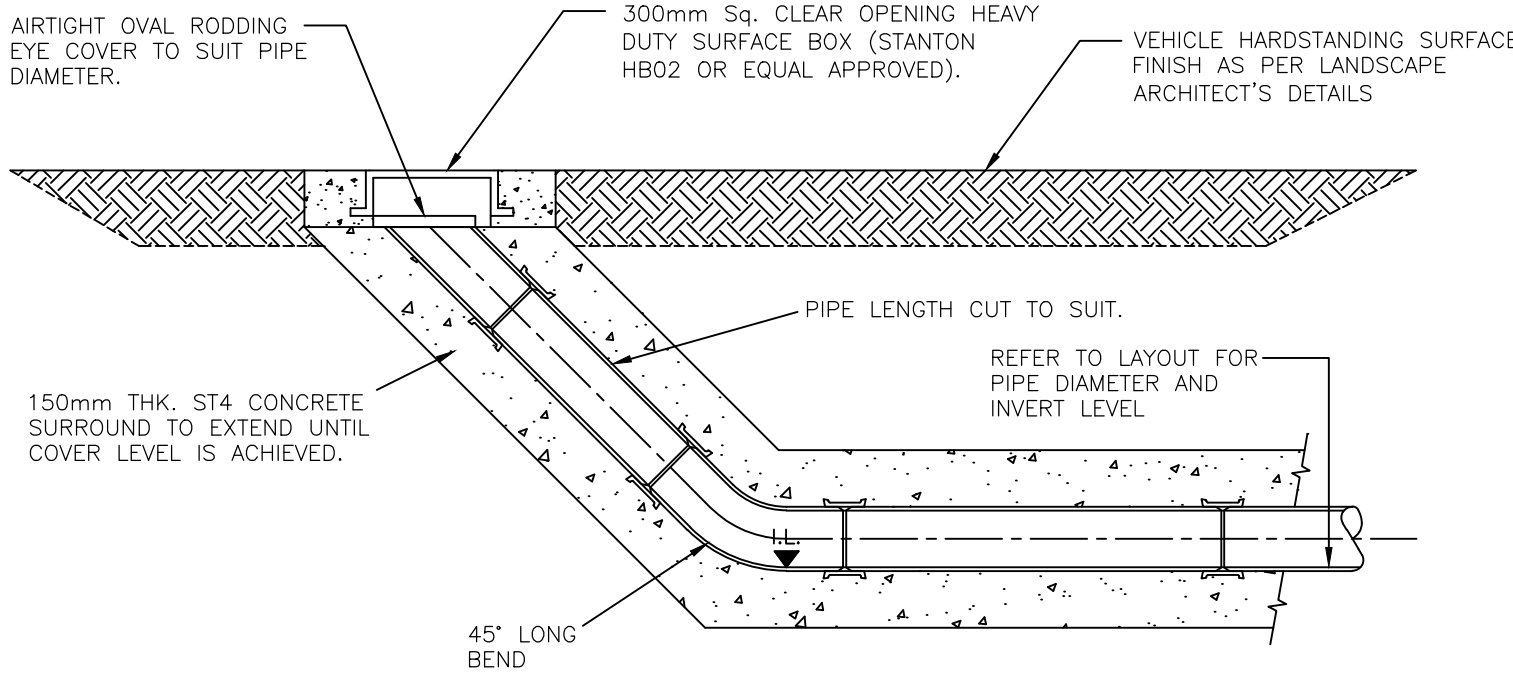
7 ALL PIPE RUNS TO BE LAID WITH FLEXI-JOINTS.

8 ALL PIPE BENDS TO SUIT DIRECTION OF FLOW.

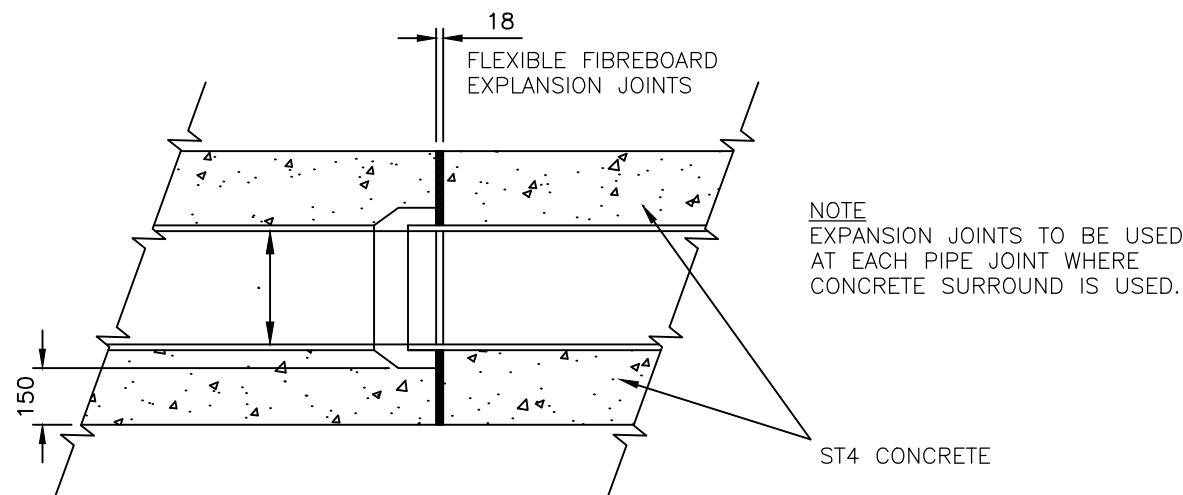
9 FOR DETAILS OF GROUND CONDITIONS REFER TO GROUND INVESTIGATION REPORT.



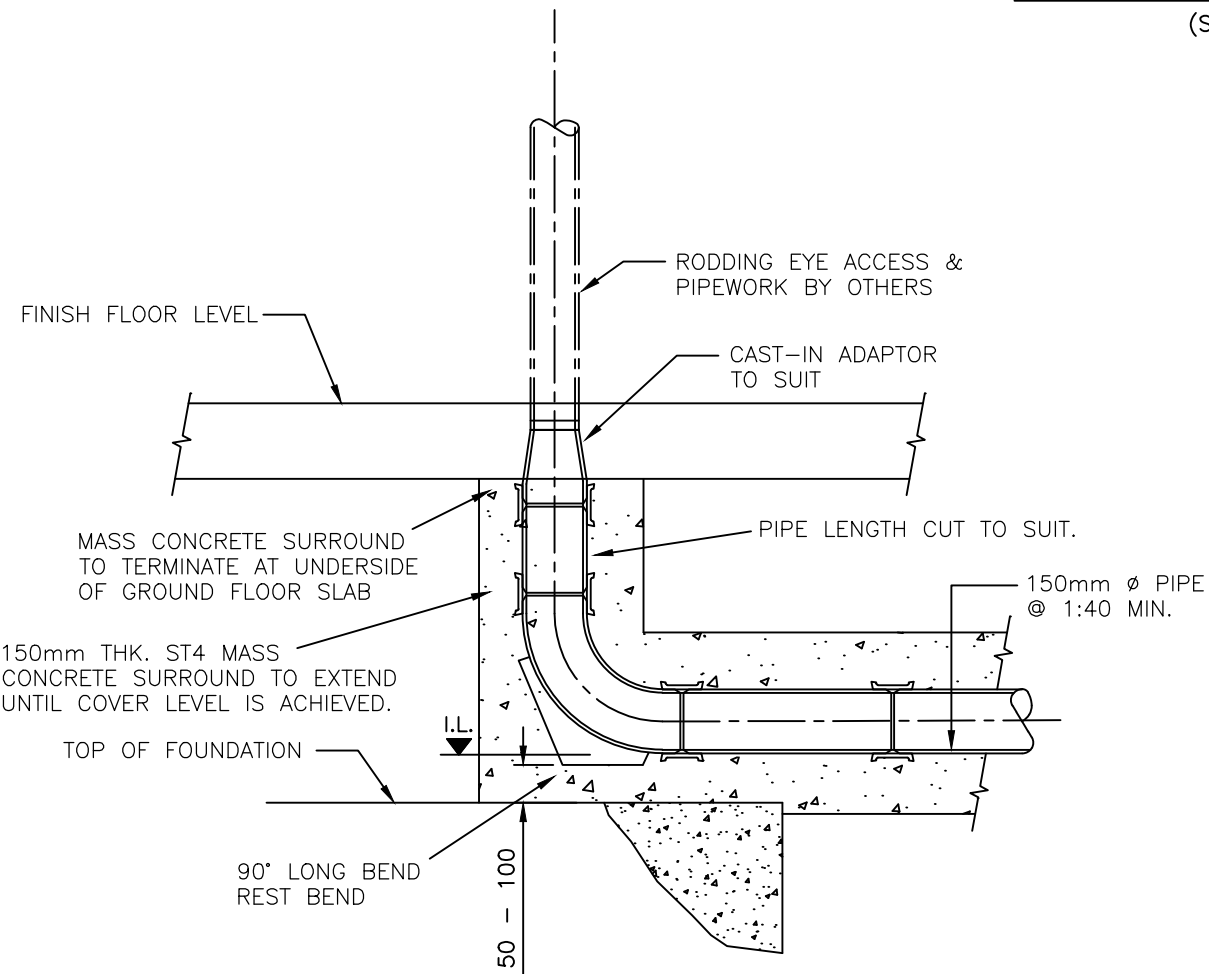
TYPICAL RODDING EYE DETAIL
NON-TRAFFICKED AREAS
(Scale 1:20)



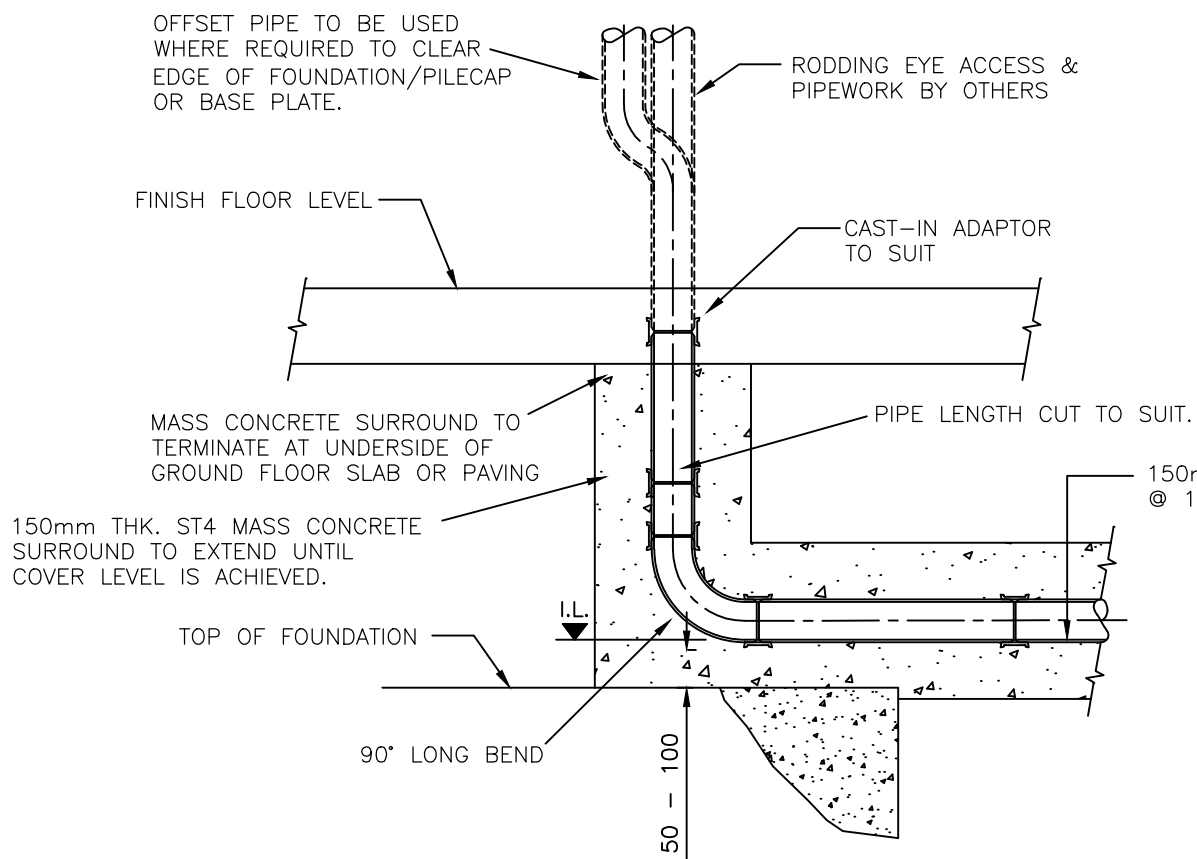
TYPICAL RODDING EYE DETAIL
TRAFFICKED AREAS
(Scale 1:20)



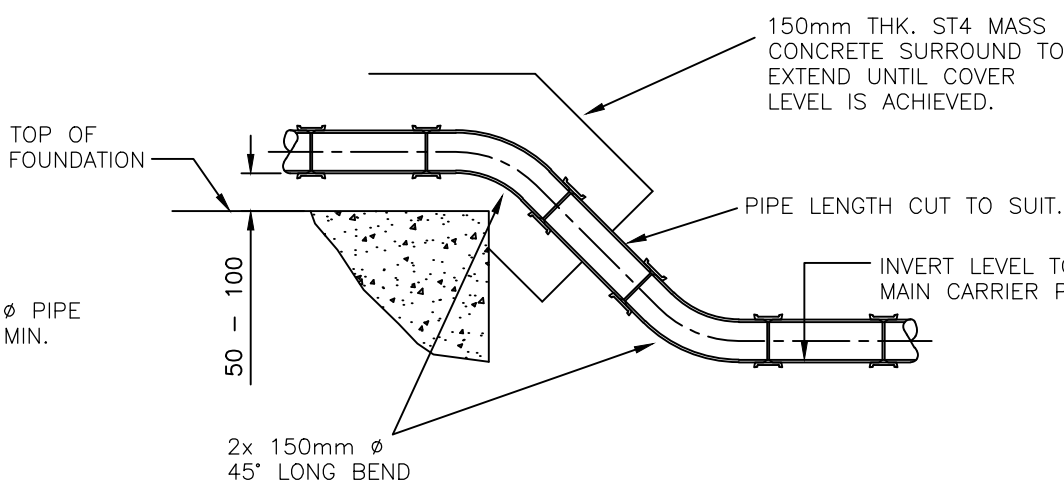
SECTION THRO'
EXPANSION JOINT IN
CONCRETE SURROUND
(SCALE 1:20)



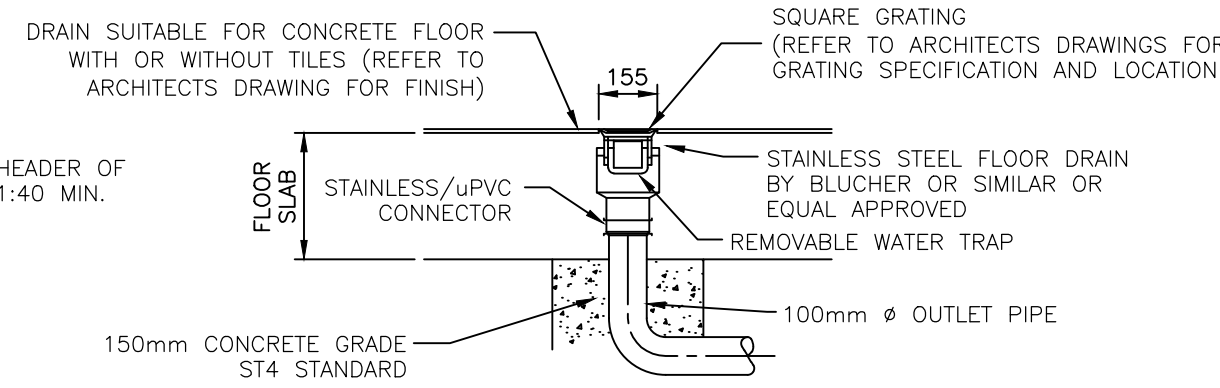
TYPICAL SOIL VENT PIPE
OUTLET DETAIL
(Scale 1:20)



TYPICAL RAINWATER DOWNPIPE
OUTLET DETAIL
(Scale 1:20)



TYPICAL PIPE DETAIL
OVER FOUNDATION
(Scale 1:20)



FLOOR GULLY
(Scale: 1:20)

PLANNING

REV	DESCRIPTION	BY	CHK	APP	DATE
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Edinburgh | Glasgow | London | Dubai



Project:

Proposed Industrial Units
Pant Industrial Estate
Merthyr Tydfil, Wales

Drawing Title:

Proposed Drainage
Construction Details
Sheet 02

Scale @	A1	Date	Engineer
1:20		February 2020	C.Connor
Drawing No.	305056-041		
Revision	-		