

ST1 CONCRETE SURROUND WITH A MINIMUM THICKNESS OF 140 DN OR 150mm (THE GREATER). NB: WHERE A CONCRETE SURROUND IS USED WITH UPVC PIPES THE SURROUND REQUIRES TO BE REINFORCED WITH 4x16 LONGITUDINAL AND T8 LINKS @ 300c/s TO COMPLY WITH BS:5955 Part 6.

PIPE BEDDING SPECIFICATION TABLE
(THIS TABLE TO BE READ IN CONJUNCTION WITH W.I.S. No. 4-08-02A-2008)

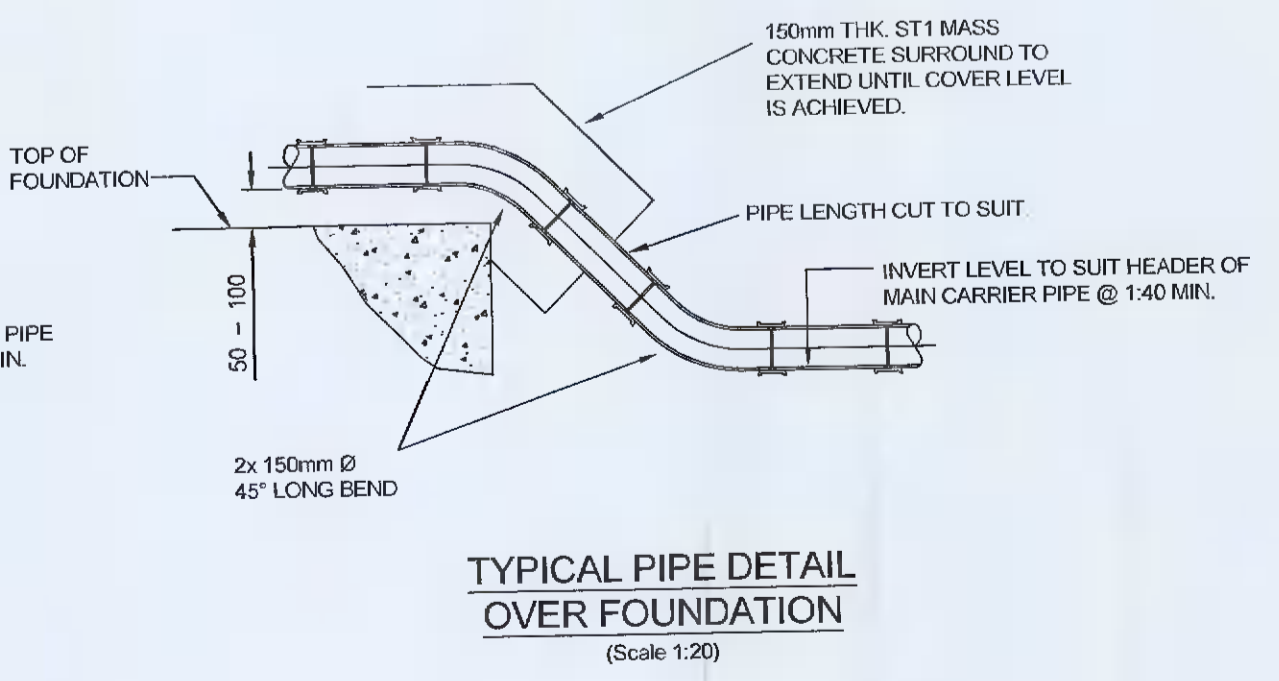
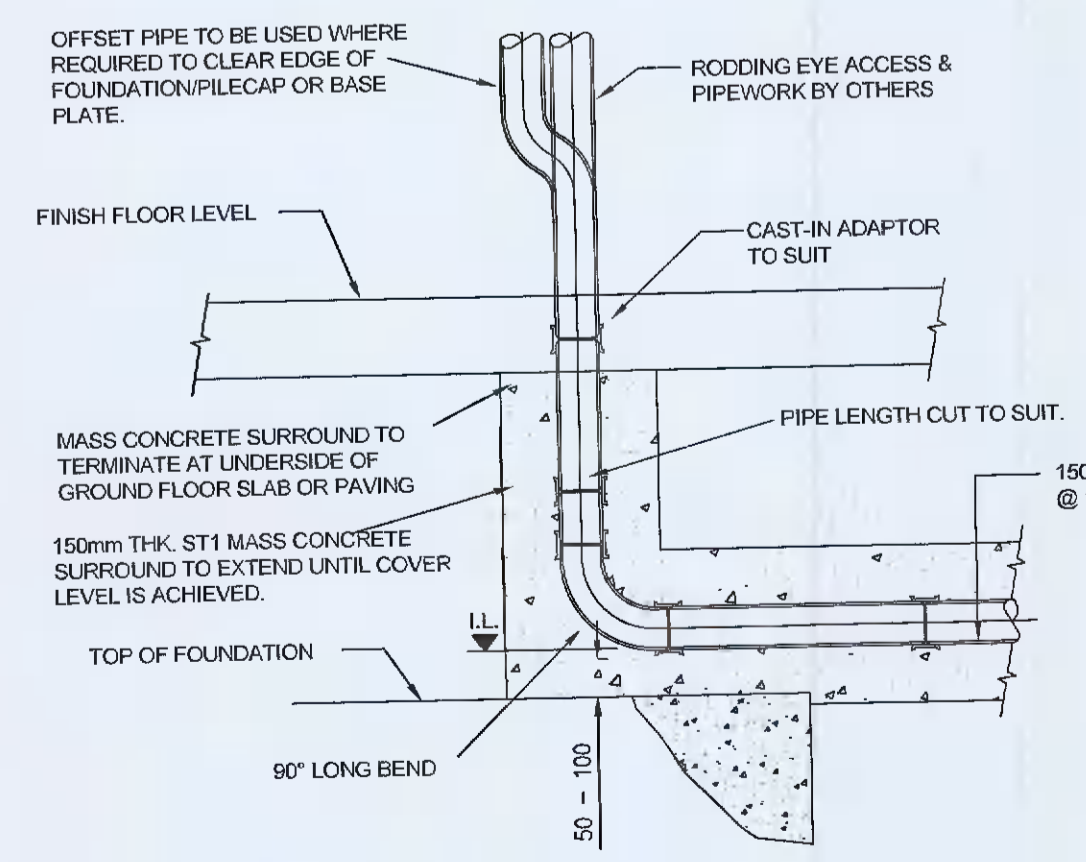
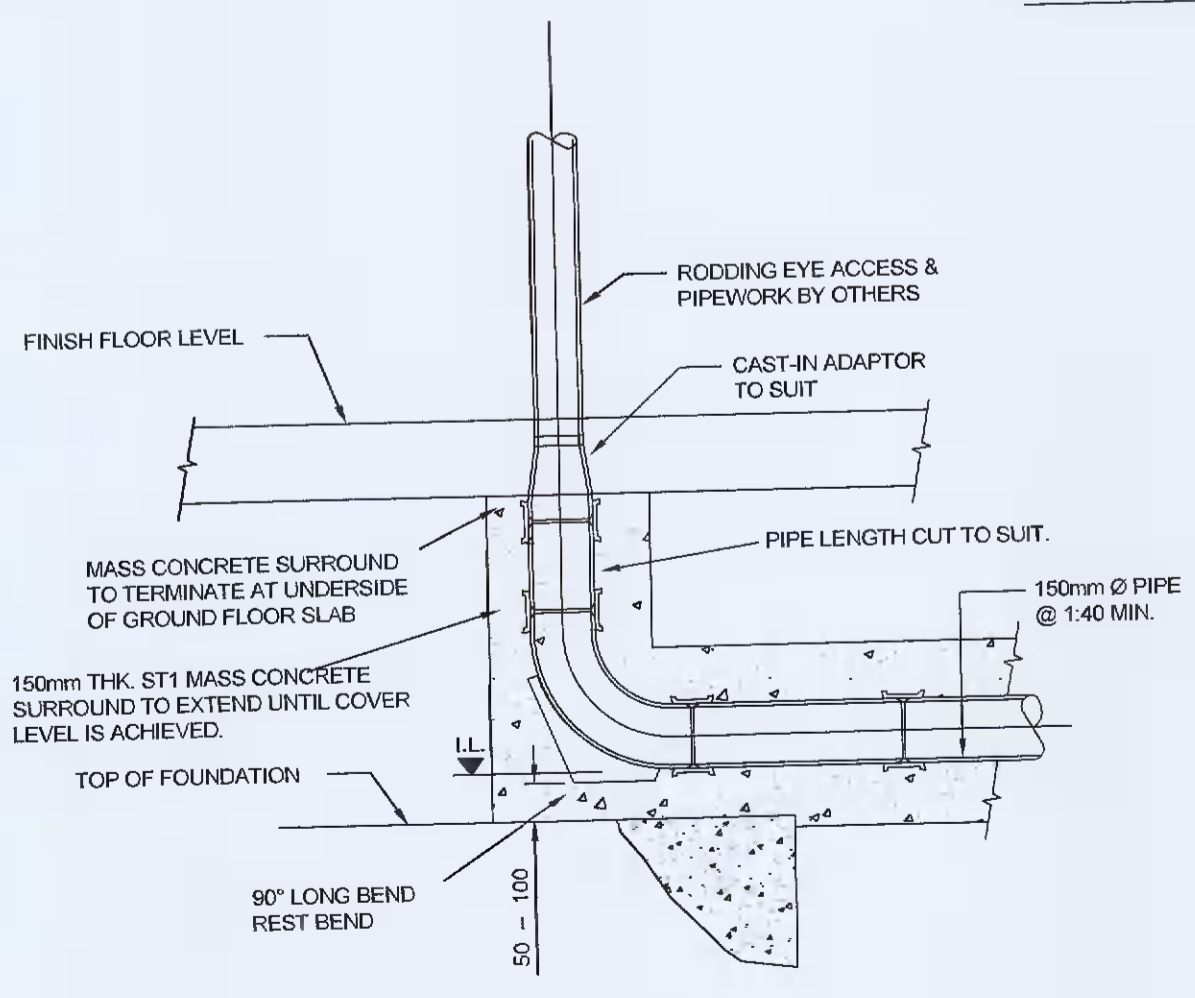
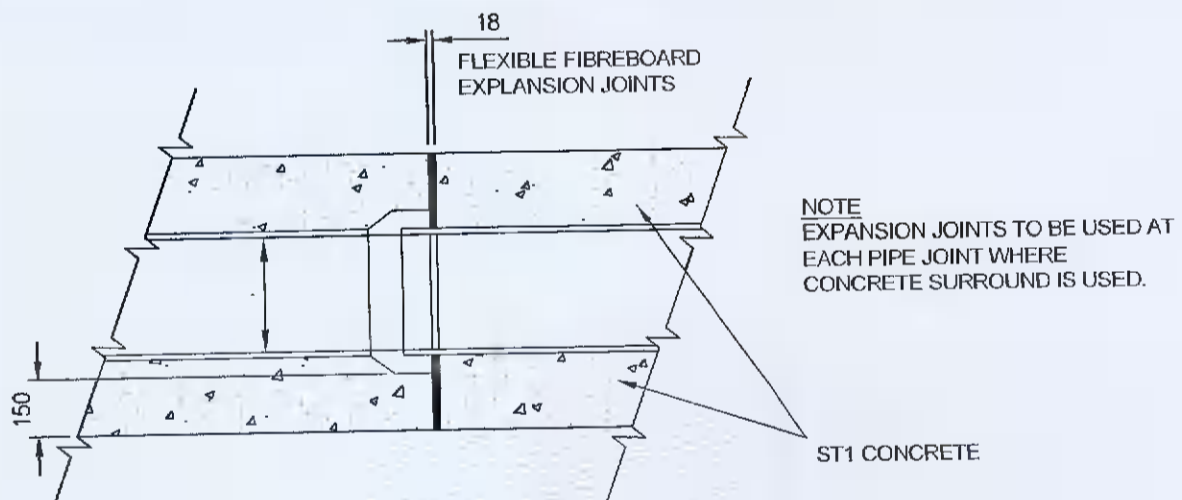
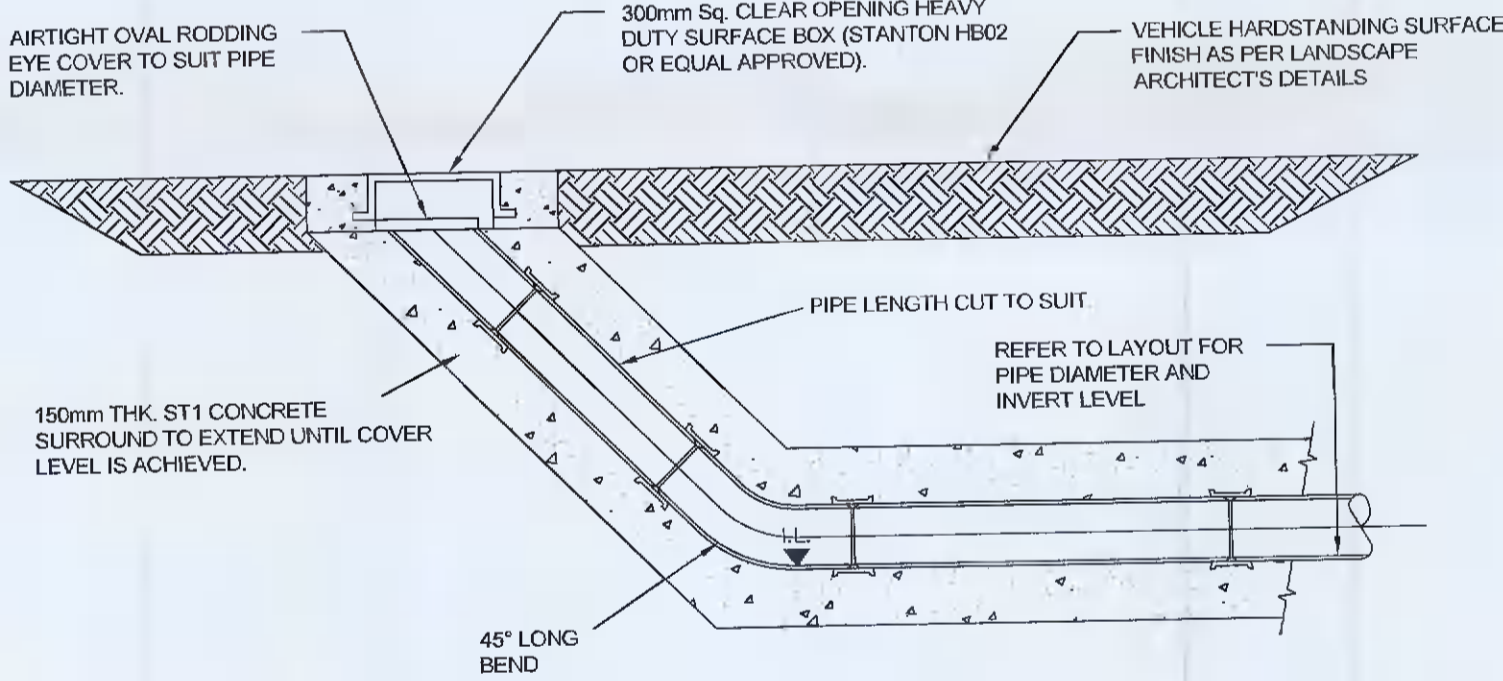
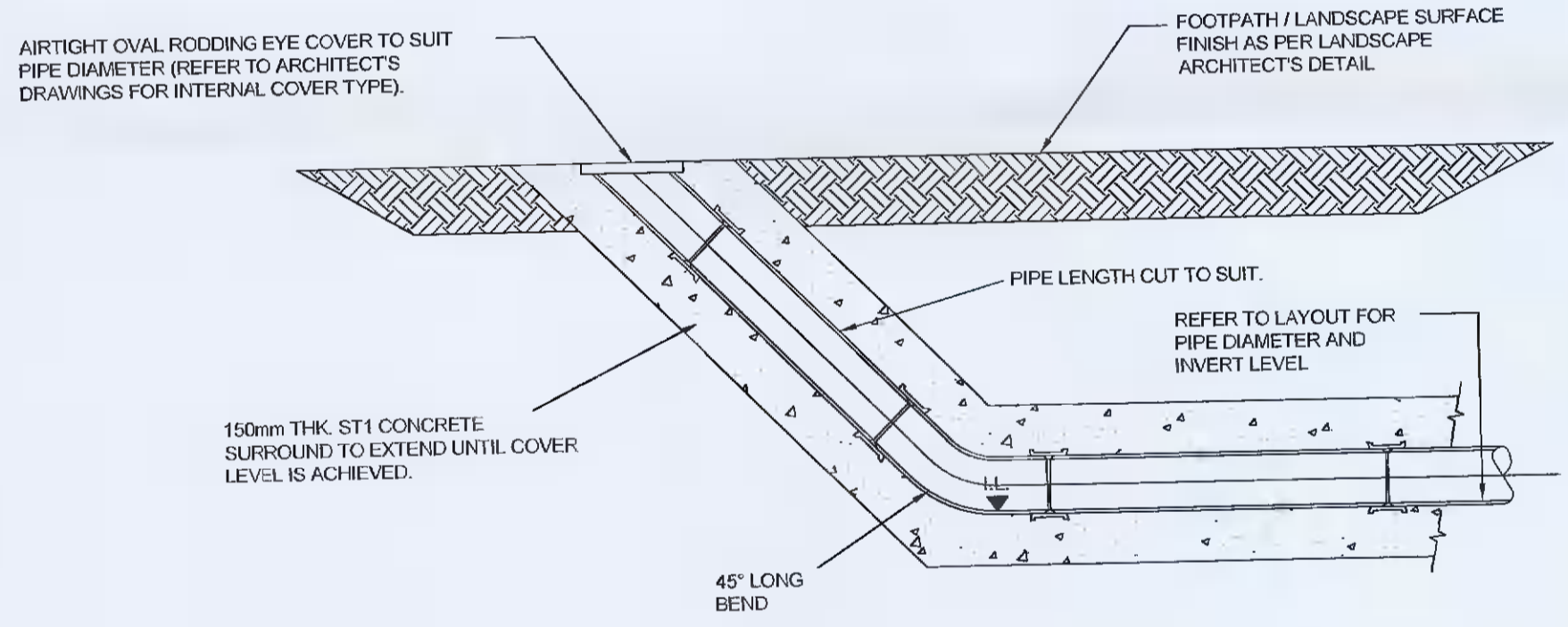
PIPE NOMINAL BORE	CLASS OF BEDDING	NOMINAL MAXIMUM PARTICLE SIZE	Max. CF VALUE NON-PRESSURE PIPE	Max. CF VALUE PRESSURE PIPE	MATERIALS SPECIFIED IN BRITISH STANDARDS
100mm	'S'	10mm	0.15 0.30	0.30	10mm NOMINAL SINGLE SIZE
100 - 150mm	'S'	15mm	0.15 0.30	0.30	10 OR 14mm NOMINAL SINGLE SIZE OR 14mm TO 5mm 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
UNDER BUILDING SLAB	>0.45m	CLASS 'B' GRANULAR BED & SURROUND
	<0.45m	CONCRETE SURROUND

PIPE TYPE & BEDDING NOTES

- 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.
- REFER TO LAYOUT PLAN FOR PIPEWORK TYPE & LOCATION.
- WHERE COVER IS LESS THAN 1.2m DP BELOW TRAFFICKED AREA OR 0.5m 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.
- ALL WORK AND MATERIAL TO COMPLY WITH THE IRISH WATER GUIDANCE DOCUMENTS.
- SPECIFICATION FOR BEDDING AND SIDEWALL MATERIALS TO BE WATER INDUSTRY SPECIFICATION (WIS) 4-08-02A-2008
- 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.
- ALL PIPE RUNS TO BE LAID WITH FLEXI-JOINTS.
- ALL PIPE BENDS TO SUIT DIRECTION OF FLOW.
- FOR DETAILS OF GROUND CONDITIONS REFER TO GROUND INVESTIGATION REPORT.



Rev.	By	App'd	Date

Client: **Taylor Lane, Rathfarnham Dublin**

Drawing Title: **Construction Details Sheet 1 of 3**

Scale of As Shown	Date JULY 2021	Drawn DT	Approved GRP
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Status	For Approval		
Drawing No.	J3406-C-04		