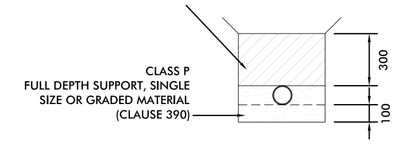
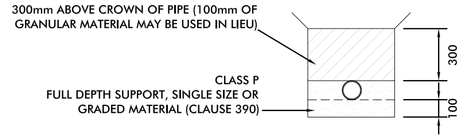
SUITABLY EXCAVATED UNIFORMLY READILY COMPATIBLE MATERIAL FREE FROM RUBBISH AND ORGANIC MATTER, FROZEN SOIL AND MATERIAL RETAINED ON A 40mm SIEVE. COMPACTED BY HAND IN 100mm LAYERS TO 300mm ABOVE CROWN OF PIPE (100mm OF GRANULAR MATERIAL MAY BE USED IN LIEU).



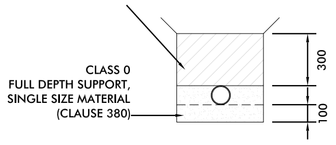
CLASS P PIPE BEDDING DETAIL
(UNDER ROADS 1.2m-6.0m COVER)
SCALE 1:25

SUITABLY EXCAVATED UNIFORMLY READILY COMPATIBLE MATERIAL FREE FROM RUBBISH AND ORGANIC MATTER, FROZEN SOIL AND MATERIAL RETAINED ON A 40mm SIEVE. COMPACTED BY HAND IN 100mm LAYERS TO 300mm ABOVE CROWN OF PIPE (100mm OF GRANULAR MATERIAL MAY BE USED IN LIEU).

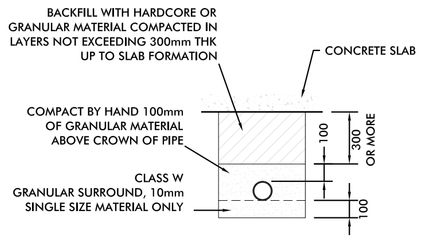


CLASS P PIPE BEDDING DETAIL
(NOT-UNDER ROADS 0.6m-6.0m COVER)
SCALE 1:25

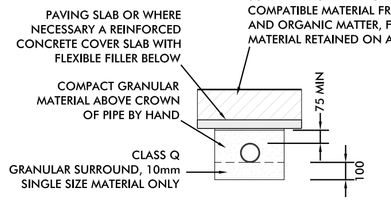
SUITABLY EXCAVATED UNIFORMLY READILY COMPATIBLE MATERIAL FREE FROM RUBBISH AND ORGANIC MATTER, FROZEN SOIL AND MATERIAL RETAINED ON A 40mm SIEVE. COMPACTED BY HAND IN 100mm LAYERS TO 300mm ABOVE CROWN OF PIPE (100mm OF GRANULAR MATERIAL MAY BE USED IN LIEU).



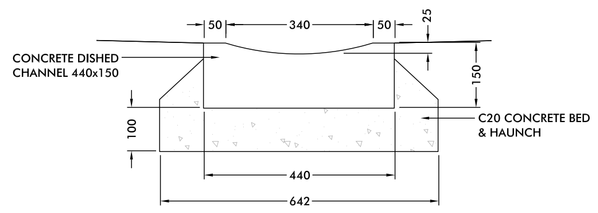
CLASS O PIPE BEDDING DETAIL
(UNDER ROADS 0.9m-1.2m COVER)
SCALE 1:25



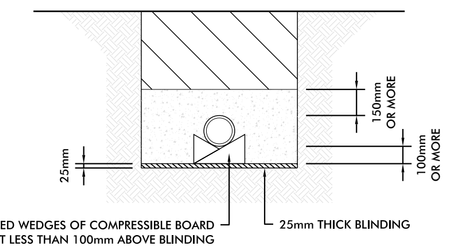
CLASS W PIPE BEDDING DETAIL
UNDER SOLID GROUND FLOORS 0.3m OR MORE FROM UNDERSIDE OF SLAB
SCALE 1:25



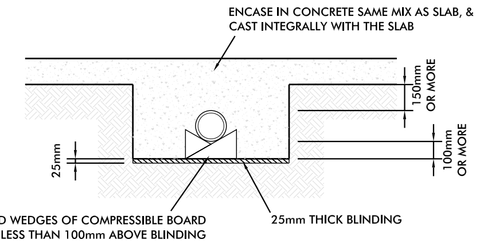
CLASS Q PIPE BEDDING DETAIL
WHERE PIPES HAVE LESS THAN THE MINIMUM RECOMMENDED 600mm COVER
SCALE 1:25



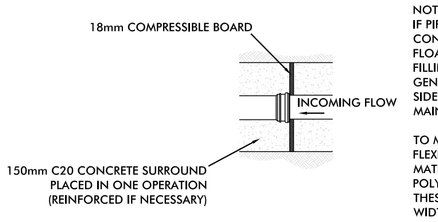
DISHED CHANNEL DETAIL (CD)
SCALE 1:10



CLASS Z PIPE BEDDING DETAIL
PIPE RUNS NEAR FOUNDATIONS
SCALE 1:25



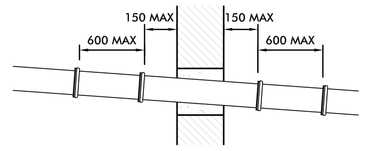
CLASS Y PIPE BEDDING DETAIL
SHALLOW PIPES UNDER BUILDINGS & WHERE PIPES CROSS WITH LESS THAN 300mm SEPARATION
SCALE 1:25



NOTE
IF PIPES ARE TO BE SURROUNDED WITH CONCRETE, MAKE SURE THEY DO NOT FLOAT WHEN THE CONCRETE IS POURED. FILLING THE PIPES WITH WATER WILL GENERALLY PROVIDE ENOUGH BALLAST BUT SIDE RESTRAINT MAY BE NEEDED TO MAINTAIN ALIGNMENT.

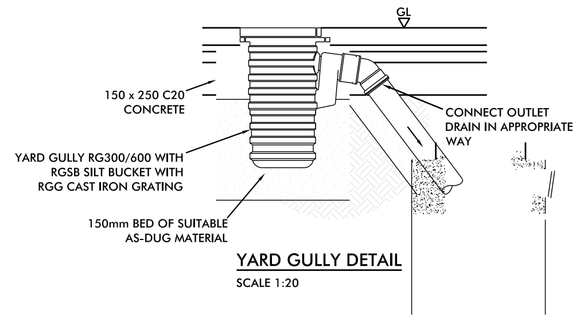
TO MAINTAIN A CERTAIN DEGREE OF FLEXIBILITY, INSERT 18mm COMPRESSIBLE MATERIAL, SUCH AS FIBREBOARD OR POLYSTYRENE, AROUND THE PIPE JOINTS. THESE BOARDS MUST BE AT LEAST THE WIDTH OF THE CONCRETE SURROUNDS.

PIPE PROTECTION - CONCRETE SURROUND
SCALE 1:20

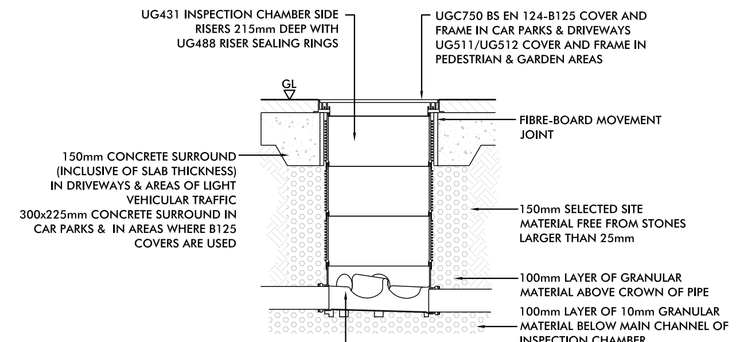


NOTE
AT ALL POINTS WHERE PIPES ARE BUILT INTO THE STRUCTURE TO PREVENT DAMAGE OR MISALIGNMENT, BUILD IN A LENGTH OF PIPE (AS SHORT AS POSSIBLE) WITH ITS JOINTS AS CLOSE AS POSSIBLE TO THE WALL FACES (WITH AT MOST 150mm) AND CONNECTED ON EACH SIDE OF ROCKER PIPES BY A LENGTH OF AT MOST 600mm AND FLEXIBLE JOINTS

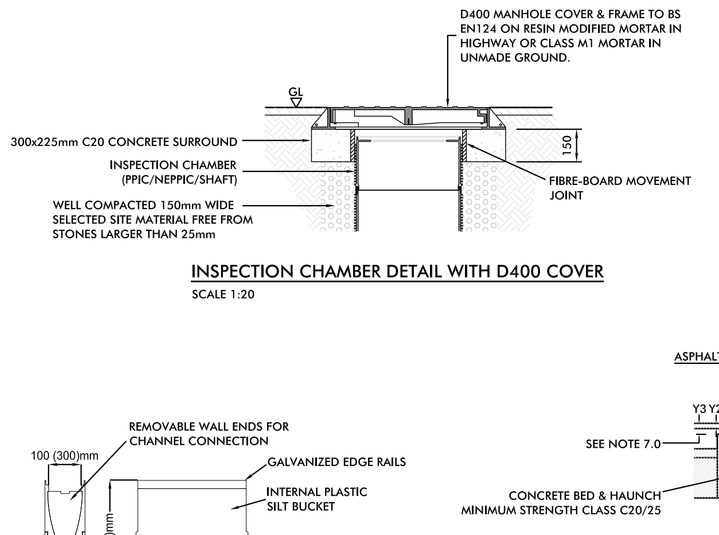
PIPES PENETRATING WALLS-PROTECTION FROM SETTLEMENT
SCALE 1:20



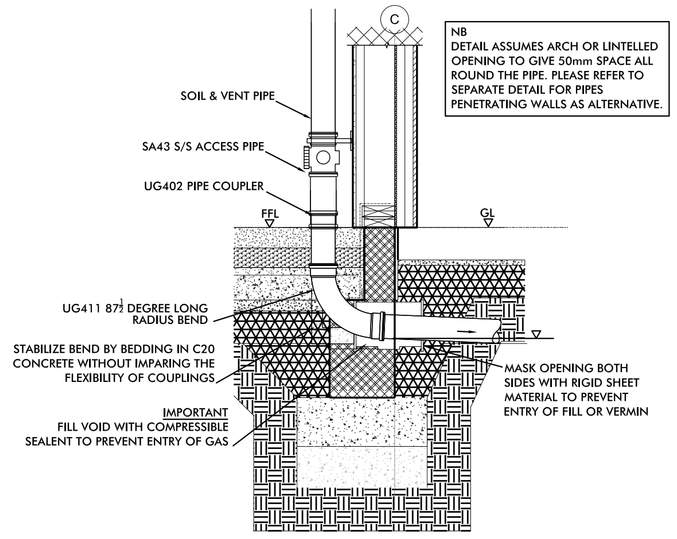
YARD GULLY DETAIL
SCALE 1:20



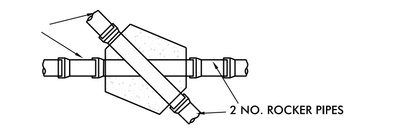
POLYPROPYLENE INSPECTION CHAMBER (PPIC) DETAIL
SCALE 1:20

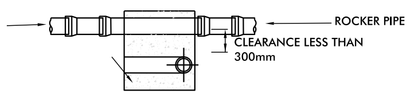


INSPECTION CHAMBER DETAIL WITH D400 COVER
SCALE 1:20

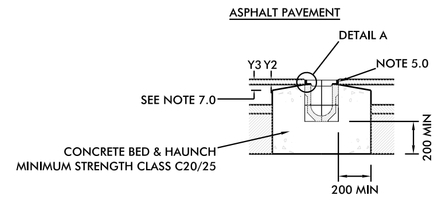


SOIL AND VENT PIPE (SVP) CONNECTION DETAIL
SCALE 1:20

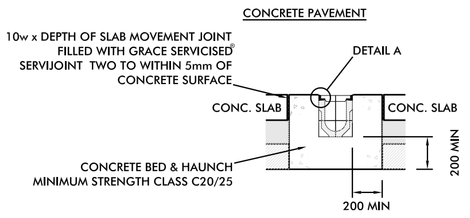




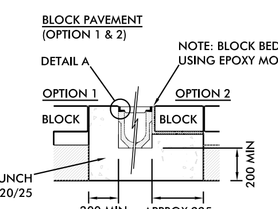
PIPE CROSSOVER DETAIL
SCALE 1:40



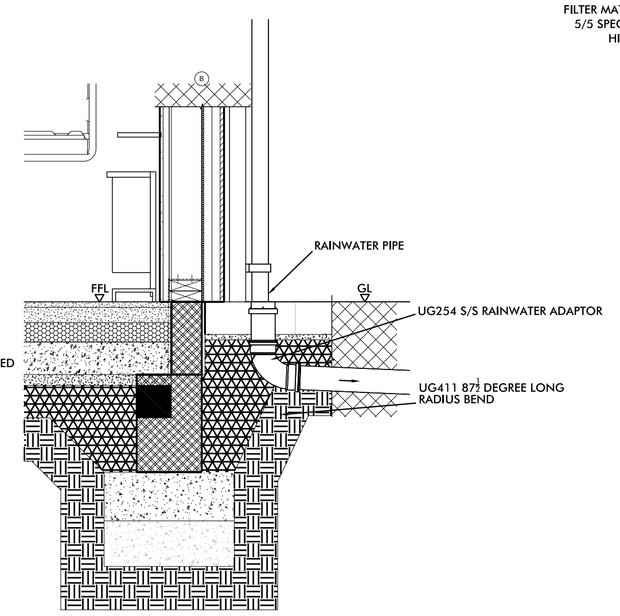
ACO SUMP UNIT S100 (S300)
SCALE: NTS



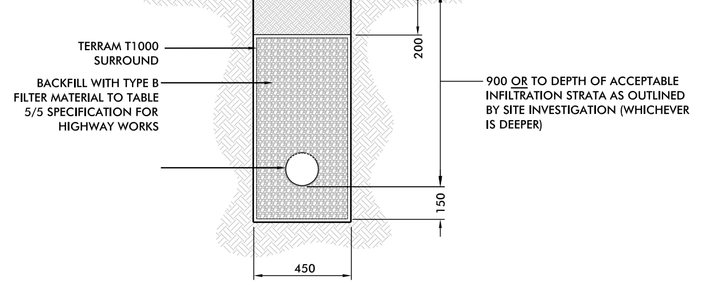
NOTE
FOR FULL INSTALATION DETAILS REFER TO ACO TECHNICAL GUIDANCE



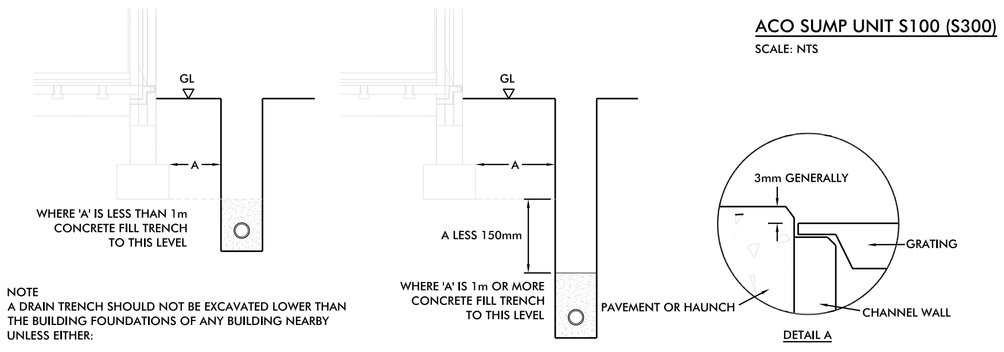
ACO CHANNEL INSTALLATION FOR LOAD CLASS D400
SCALE 1:20, 1:10



RAINWATER PIPE CONNECTION DETAIL (REST BEND)
SCALE 1:20



FRENCH DRAIN DETAIL
SCALE 1:20

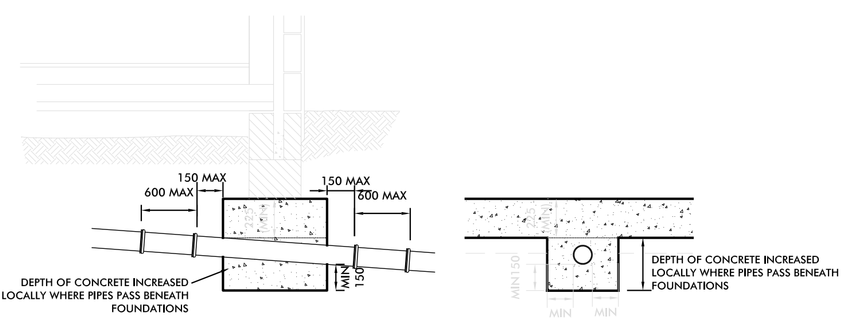


NOTE
A DRAIN TRENCH SHOULD NOT BE EXCAVATED LOWER THAN THE BUILDING FOUNDATIONS OF ANY BUILDING NEARBY UNLESS EITHER:

A. WHERE THE TRENCH IS WITHIN 1m OF THE FOUNDATION THE TRENCH IS FILLED WITH CONCRETE UP TO THE LOWEST LEVEL OF THE FOUNDATION; OR

B. WHERE THE TRENCH IS FURTHER THAN 1m FROM THE BUILDING, THE TRENCH IS FILLED WITH CONCRETE TO A LEVEL BELOW THE LOWEST LEVEL FOR THE BUILDING EQUAL TO THE DISTANCE FROM THE BUILDING, LESS 150mm.

PIPE RUNS NEAR FOUNDATIONS
SCALE 1:50



PIPE RUNS BENEATH FOUNDATIONS
SCALE 1:25

TENDER

ISO 9001 REGISTERED FIRM

NOTES

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   DO NOT SCALE : IF IN DOUBT ASK

   DIMENSIONS SHOULD NOT BE TAKEN ELECTRONICALLY
5. ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH THE CURRENT BRITISH STANDARDS AND CODES OF PRACTICE

B	13.06.18	ISSUED FOR TENDER	LAV	DF
A	29.01.18	ISSUED FOR TENDER	LAV	
T1	27.10.17	ISSUED FOR TENDER	LAV	TE
	DATE	REVISION SUMMARY	BY	CHK

JOB TITLE:
CARN GWAVAL
CHURCH ROAD, ST. MARY'S
ISLES OF SCILLY.
CORNWALL

CLIENT:
COUNCIL OF THE ISLES OF SCILLY
TOWN HALL
ST MARY'S
ISLES OF SCILLY
TR21 0LW

DETAIL:
TYPICAL DRAINAGE DETAILS

DRN. BY: L. ALVAREZ VARES

DATE: OCT. 2017 SCALE: AS SHOWN @ A1

JOB NO:	DRAWING No:	REV:
16240	210	B

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