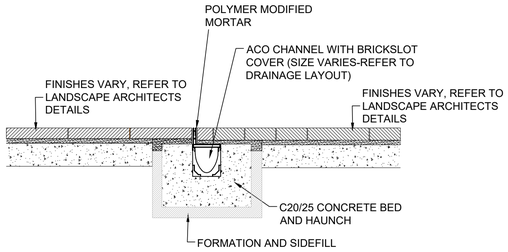
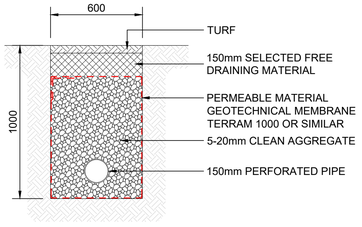


CHANNEL DRAIN IN BITUMINOUS CONSTRUCTION

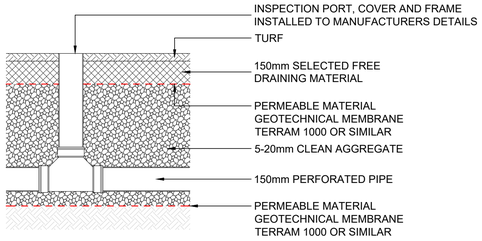


ACO BRICKSLOT DETAIL



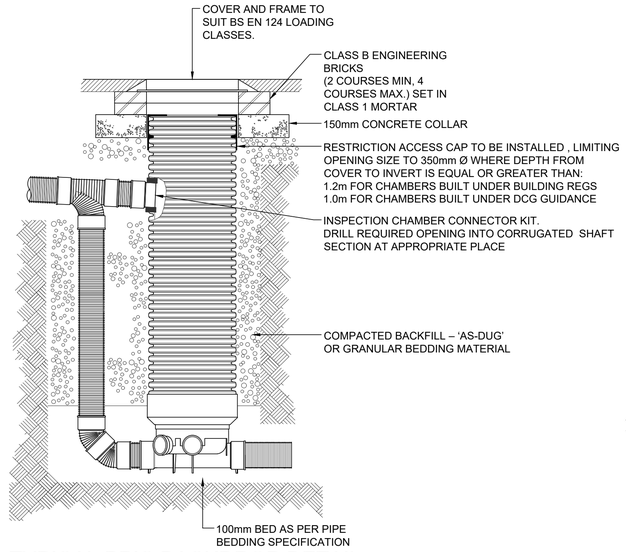
LAND DRAIN DETAIL

SCALE 1:20



INSPECTION PORT / ACCESS DETAIL

SCALE 1:20



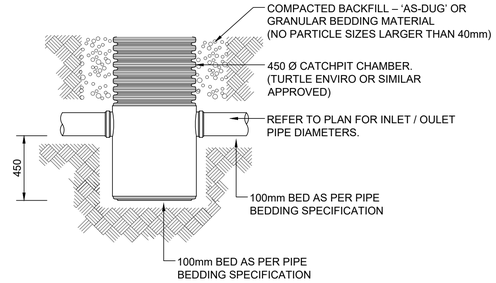
TYPICAL PPIC BACKDROP DETAIL

NOT TO SCALE

DESIGN CONTINGENCY

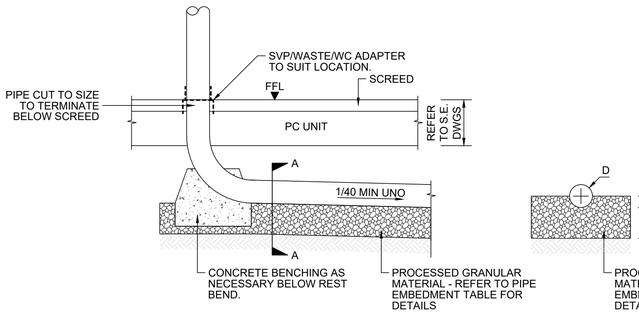
FOR COST PURPOSES THE CONTRACTOR IS TO INCLUDE THE FOLLOWING CONTINGENCY (% OF PRIMARY CIVILS DESIGN COST) AT THE RELEVANT PROJECT STATUS INDICATED ON THE DRAWING.

S2 - CONCEPT DESIGN - 25%
S3 - SPATIAL COORDINATION - 15%
S4 - TECHNICAL DESIGN - 10%
A5 - PRODUCT INFORMATION - 5%



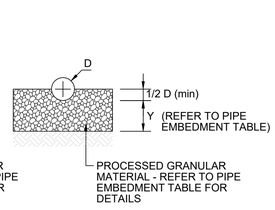
TYPICAL PPIC CATCHPIT DETAIL

NOT TO SCALE



CONNECTION TO R.W.P/SWP/WASTE INSIDE BUILDING (SUSPENDED FLOORS)

NOT TO SCALE

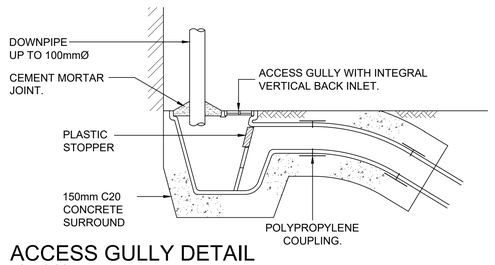


SECTION A-A

NOT TO SCALE

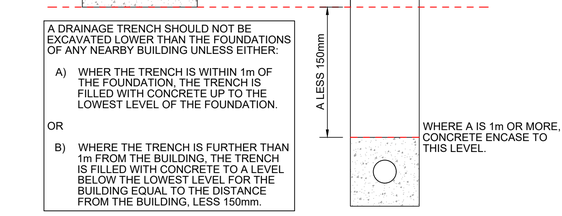
THE PURPOSE OF THIS DRAWING IS FOR TYPICAL CONSTRUCTION DETAILS ONLY. MANHOLES / PIPE DIAMETERS / SUMP DEPTHS ETC WILL VARY ON PLAN.

REFER TO DRAINAGE LAYOUT DRAWING FOR ALL PIPE SIZES, MANHOLE SIZES, PIPE LENGTHS, SUMP DEPTHS, STORAGE TANK CONFIGURATIONS, COVER LEVELS AND INVERT LEVELS

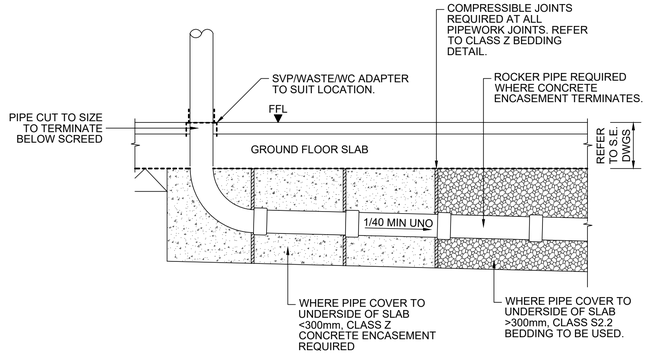


ACCESS GULLY DETAIL

NOT TO SCALE

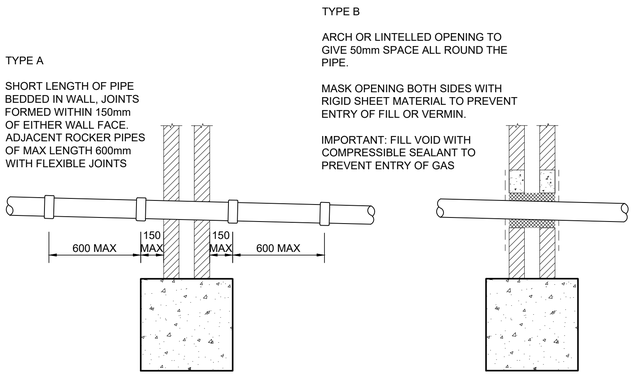


TYPICAL ROAD GULLEY DETAIL



CONNECTION TO R.W.P/SWP/WASTE INSIDE BUILDING (GROUND FLOOR SLABS)

NOT TO SCALE



PIPES PENETRATING THROUGH WALLS

PIPE RUNS NEAR BUILDINGS

NOT TO SCALE

GENERAL NOTES

DO NOT SCALE OFF THIS DRAWING

THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE ENGINEER'S SPECIFICATIONS, RELEVANT BRITISH STANDARDS AND WHERE APPLICABLE LOCAL AUTHORITIES REQUIREMENTS.

ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS, SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.

THE CONTRACTOR SHALL CONFIRM THE LOCATION AND LEVEL OF EXISTING DRAINAGE OUTFALLS PRIOR TO COMMENCEMENT OF THE DRAINAGE WORKS.

EXACT LOCATIONS OF PROPOSED MANHOLES AND INSPECTION CHAMBERS TO BE DETERMINED ON SITE

ALL PIPES BUILT INTO THE MANHOLE INVERTS SHALL BE INSTALLED WITH SOFFITS LEVELS UNO.

CONNECTIONS TO ROAD GULLEYS SHALL BE IN 150MM NOMINAL BORE. CONNECTIONS TO OTHER TERMINAL FITTINGS SHALL BE IN 100MM NOMINAL BORE PIPE UNO.

COVER LEVELS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED AND CONFIRM ON SITE BY THE CONTRACTOR.

THE CONTRACTOR SHALL PROTECT THE PIPELINE FROM DAMAGE BY SITE TRAFFIC DURING CONSTRUCTION.

PIPEWORK AND FITTINGS SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS EXCEPT WHERE NOTED OTHERWISE:

CLAYWARE PIPES TO BS 65

100 AND 150MM DIAMETER, MINIMUM CRUSHING STRENGTH 50KN/M ON CLASS F BEDDING.

TRENCHES IN HIGHWAYS AND CAR PARKING AREAS SHALL BE BACKFILLED WITH TYPE 1 GRANULAR SUB-BASE.

SOFT SPOTS IN THE TRENCH FORMATION SHALL BE REMOVED AND REPLACED WITH GRANULAR BEDDING UNLESS INSTRUCTED OTHERWISE.

ROAD GULLEYS SHALL BE CONSTRUCTED USING A 900MM DEEP X 450MM DIAMETER GULLEY POT, SURROUNDED BY 150MM THICKNESS C20 CONCRETE, WITH RODDING EYE AND CHAINED STOPPER.

GULLEY COVERS SHALL BE GRADE B CAPTIVE HINGED DUCTILE IRON TO BS497 BLACK COATED.

UNLESS NOTED OTHERWISE MANHOLE COVERS SHALL BE DUCTILE IRON TO BS497 BLACK COATED WITH 600 X 600 GRADE A.

CONNECTIONS IN PIPES BETWEEN MANHOLES RUNS SHALL BE FORMED BY USING PURPOSE MADE CLAYWARE, 45° JUNCTION FITTINGS TO BS65. BEND FITTINGS SHALL BE PROVIDED WHERE APPROPRIATE TO DIRECT THE FLOW INTO THE MAIN RUNS.

ALTERNATIVELY MAIN PIPES MAY BE DIAMOND CORED TO TAKE LATERAL CONNECTIONS WITH A SADDLE FITTING TO BS65 AND 150MM C20 CONCRETE SURROUND.

THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING STATUTORY UNDERTAKERS APPARATUS AND SERVICE CONNECTIONS BY TRIAL PITS PRIOR TO OPENING UP FOR THE WORKS.

Rev	Description	Date	By	Chkd
P01	PRELIMINARY ISSUE	XX	AJB	DS

Drawing Status
S4 TECHNICAL DESIGN

Sutcliffe
Structural & Civil Engineering
Geotechnical & Environmental Investigations
Building Surveying
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Client
MOSSCARE ST.VINCENTS HOUSING

Project
ALDERFORD PARADE
CHEETHAM HILL
MANCHESTER

Drawing Title
TYPICAL DRAINAGE DETAILS
SHEET 4

Date	Drawn By	Checked By
FEB. 2025	AJB	DS

Scale at A1	Project Number
AS SHOWN	33716

Sheet Number	Revision
33716-SUT-ZZ-XX-DR-C-6653	P01