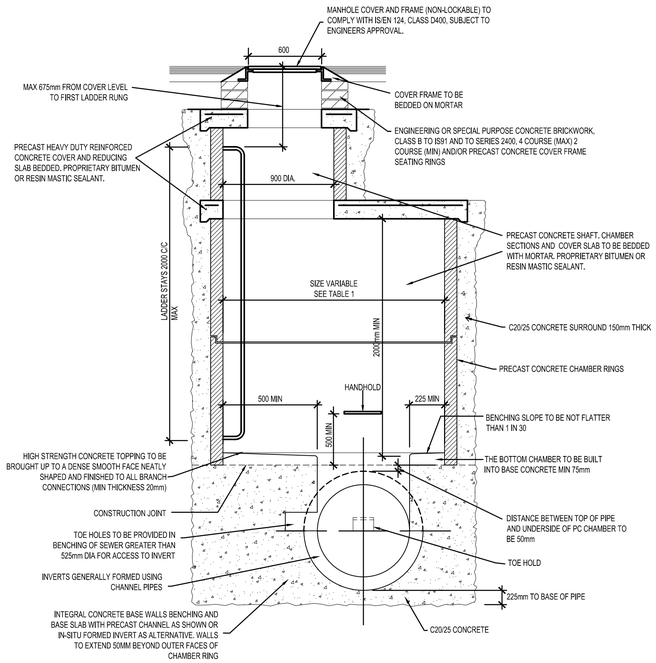
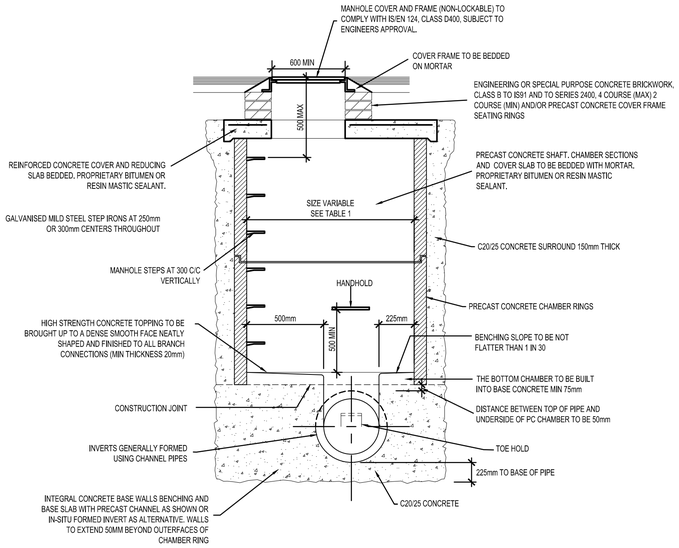
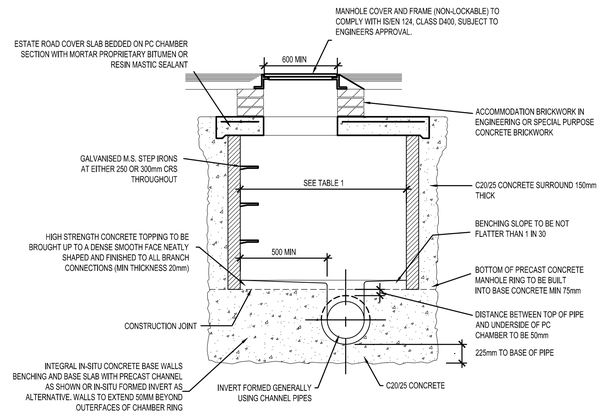
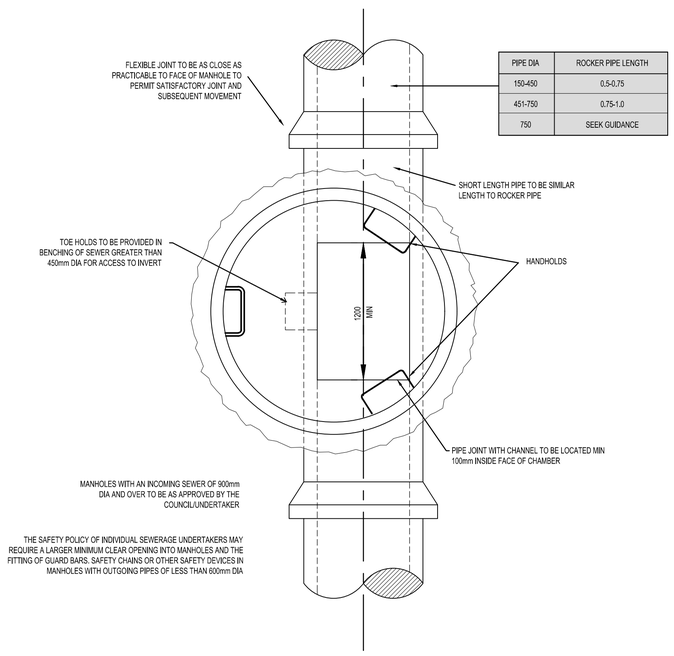




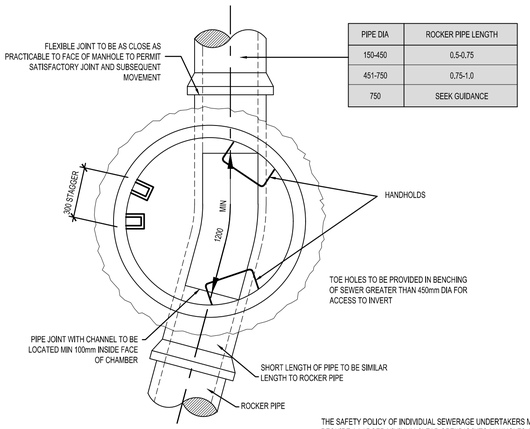


TYPICAL MANHOLE DETAIL
[DEPTH TO SOFFIT 1.0 TO 1.35m]



PIPE DIA	ROCKER PIPE LENGTH
150-450	0.5-0.75
451-750	0.75-1.0
750	SEEK GUIDANCE

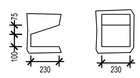
TYPICAL MANHOLE DETAIL
[DEPTH TO SOFFIT 3 TO 6m]



PIPE DIA	ROCKER PIPE LENGTH
150-450	0.5-0.75
451-750	0.75-1.0
750	SEEK GUIDANCE

THE SAFETY POLICY OF INDIVIDUAL SEWERAGE UNDERTAKERS MAY REQUIRE A LARGER MINIMUM CLEAR OPENING INTO MANHOLES AND THE FITTING OF GUARD BARS, SAFETY CHAINS OR OTHER SAFETY DEVICES IN MANHOLES WITH OUTGOING PIPES OF LESS THAN 600mm DIA

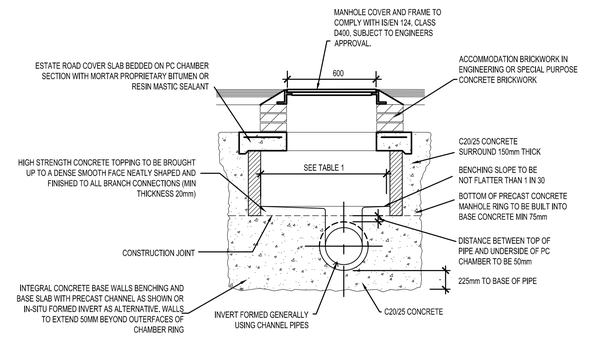
TYPICAL MANHOLE DETAIL
[DEPTH TO SOFFIT 1.35 TO 3m]



DETAIL OF TOE HOLD

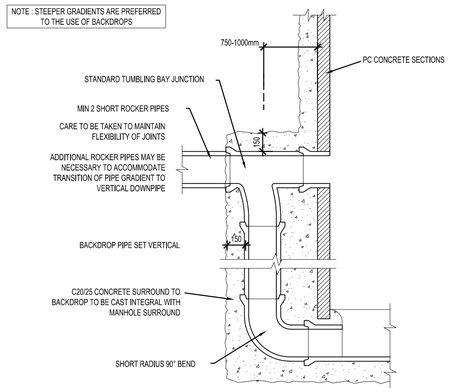
DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	CHAMBER SECTION DIAMETER (mm)		
	DEPTH TO SOFFIT		
	1m - 3m	3m - 6m	6m - 12m
LESS THAN 375	1050	1050	1500
<600	1200	1200	1500
<675	1350	1350	1500
<750	1350	1500	1500
<900	1500	1500	1500
<1200	2100	2100	2100

TABLE 1



TYPICAL MANHOLE DETAIL
[DEPTH TO SOFFIT LESS THAN 1.0m]

NOTE : STEEPER GRADIENTS ARE PREFERRED TO THE USE OF BACKDROPS



TYPICAL VERTICAL BACKDROP DETAIL

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE TO MALIN HEAD DATUM.
3. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
4. CONTRACTOR TO CHECK ALL DIMENSIONS ON SITE.
5. ALL COORDINATES ARE TO IRISH TRANSVERSE MERCATOR
6. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.
7. COPYRIGHT OSL.

SURFACE WATER NOTES:

1. ALL WORK TO BE UNDERTAKEN IN ACCORDANCE WITH:
   - 1.1. TII SPECIFICATION FOR ROADWORKS
   - 1.2. GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS
   - 1.3. RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS
2. ALL REINFORCED CONCRETE ON THIS DRAWING SHALL BE C25/30 WITH COVER = 50mm MIN. WITH A MINIMUM CEMENT CONTENT OF 280 kg/m^3, MAXIMUM W/C RATIO OF 0.65 AND SLUMP CLASS S2
3. SURFACE FINISHES FOR CONCRETE:
   - 3.1. CLASS F1 FOR ALL CONCRETE 100mm OR MORE BELOW GROUND LEVEL.
   - 3.2. CLASS F3 FOR ALL EXPOSED CONCRETE ABOVE 100mm BELOW GROUND LEVEL
4. ALL EXPOSED CORNERS ON CONCRETE SHALL BE CHAMFERED WITH 25mm x 25mm CHAMFERS.
4. ALL STRUCTURAL CONCRETE (HEADWALLS, RC MANHOLES, PETROL INTERCEPTOR SLABS) TO RECEIVE MC DUR 1680 (OR SIMILAR APPROVED TAR MODIFIED EPOXY RESIN) TO ALL BURIED SURFACES, TO FINISH 100mm BELOW GROUND LEVEL
5. ALL SEWERS SHALL BE PRESSURE TESTED PRIOR TO BACKFILLING.

0 1.00m 2.0m

REV	DATE	DESCRIPTION	BY	CHK'D	AUTH
P02	01.08.25	ISSUED FOR PLANNING	BJM	DB	DB
P01	09.04.25	ISSUED FOR SECTION 32B SUBMISSION	DV	BJM	DB

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Tel: +353 21 4297572

CLIENT

HOMELAND PROJECTS LTD.

PROJECT
LARGE-SCALE RESIDENTIAL DEVELOPMENT AT ROSS ROAD, KILLARNEY, CO. KERRY

TITLE
PROPOSED SURFACE WATER DETAILS SHEET 1

PURPOSE
FOR PLANNING

ORIGINAL SCALE
A1 - NTS

ORIGINAL ISSUE DATE
27.02.25

STATUS
S2

DRAWING NO
24041-OSL-90-DR-C-9020

REV
P02

ORDNANCE SURVEY IRELAND LICENSE No. CYAL50364947.
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