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ON ORIGINAL

0 5 10 15 20 25 30 40 50mm

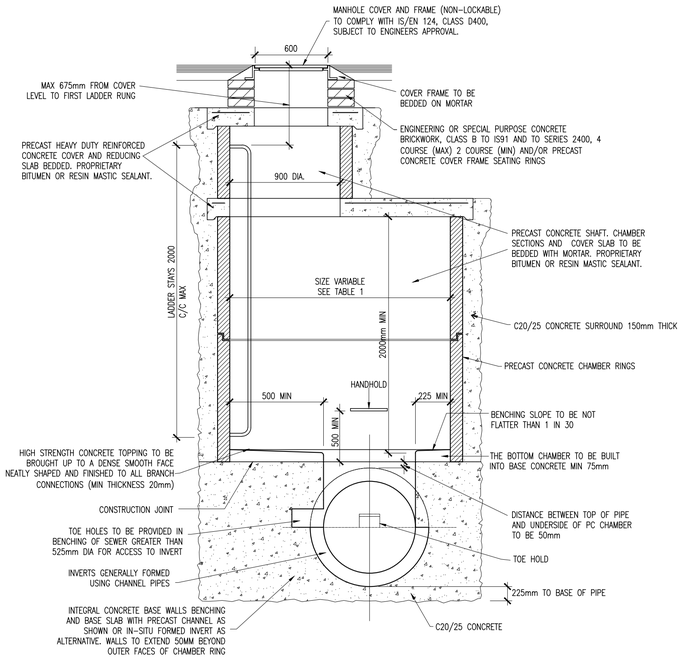
NOTES:

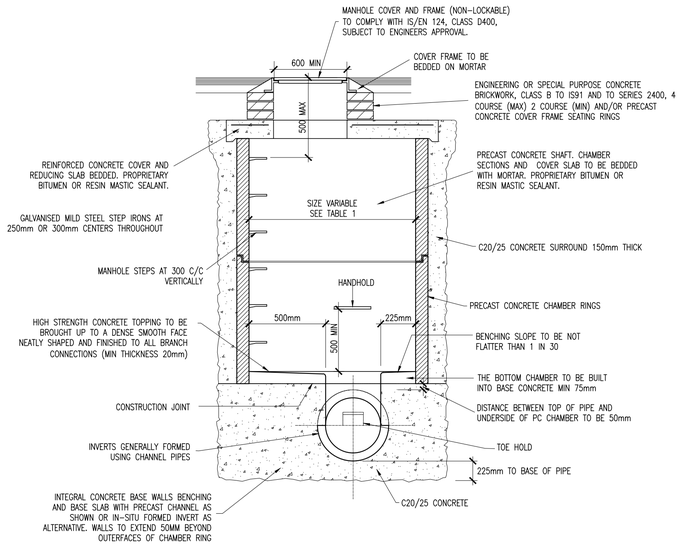
1. ALL REINFORCED CONCRETE ON THIS DRAWING SHALL BE: C25/30 WITH COVER = 50mm MIN. WITH A MINIMUM CEMENT CONTENT OF 280 kg/m³, MAXIMUM W/C RATIO OF 0.65 AND SLUMP CLASS S2.
2. SURFACE FINISHES FOR CONCRETE:
   – CLASS F1 FOR ALL CONCRETE 100mm OR MORE BELOW GROUND LEVEL.
   – CLASS F3 FOR ALL EXPOSED CONCRETE ABOVE 100mm BELOW GROUND LEVEL.
3. 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.
6. RIGID PIPES SHALL MEAN CAST OR SPUN IRON, CONCRETE, ASBESTOS CEMENT OR CLAY.

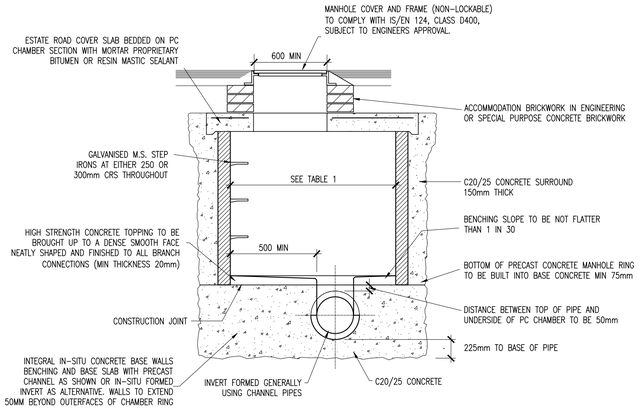
NOTE:
ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH
- TII SPECIFICATION FOR ROADWORKS
- GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS
- RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS

FOR FOUL WATER MANHOLE STANDARD DETAILS REFER TO IRISH WATER CONNECTION & DEVELOPER SERVICES DOCUMENT IW-CDS-5030-01

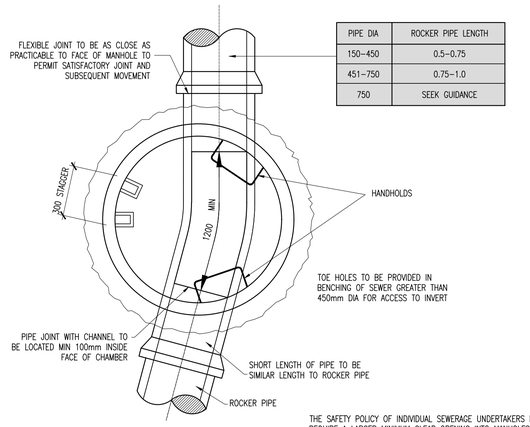
FOR WATERMAIN STANDARD DETAILS REFER TO IRISH WATER CONNECTIONS & DEVELOPER SERVICES DOCUMENTS IW-CDS-5020-01







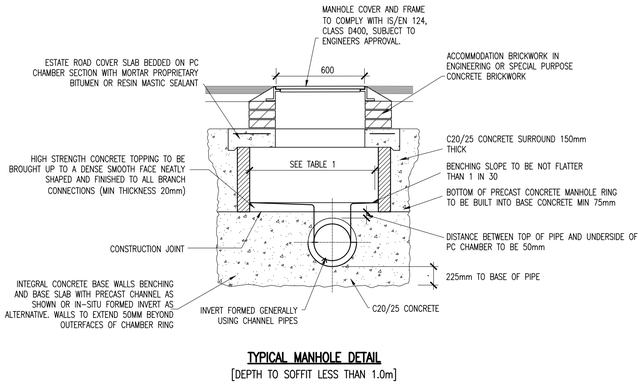
TYPICAL MANHOLE DETAIL
[DEPTH TO SOFFIT 1.0 TO 1.35m]



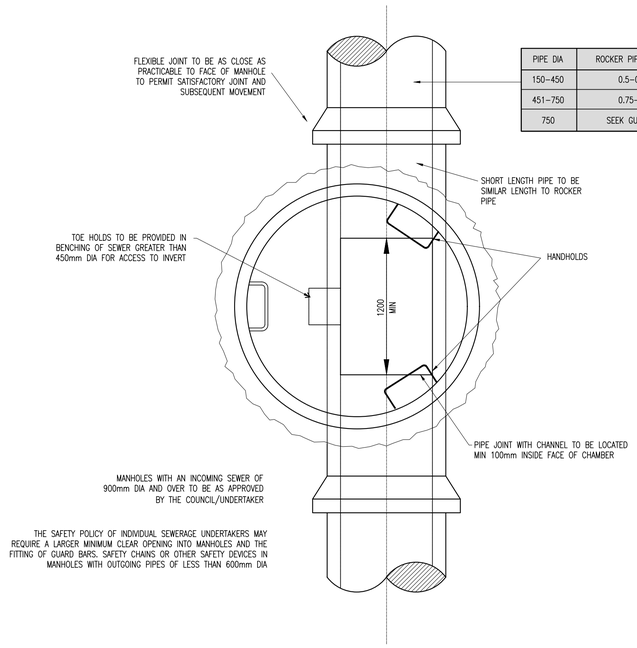
PIPE DIA	ROCKER PIPE LENGTH
150–450	0.5–0.75
451–750	0.75–1.0
750	SEEK GUIDANCE

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]

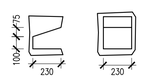


TYPICAL MANHOLE DETAIL
[DEPTH TO SOFFIT LESS THAN 1.0m]



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

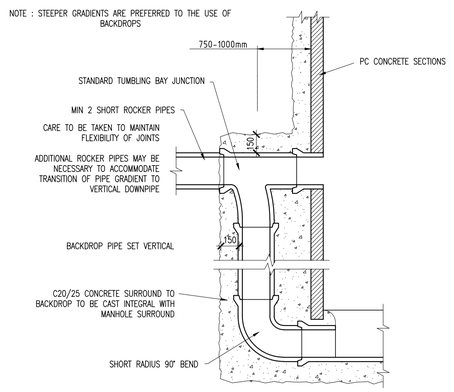
TYPICAL MANHOLE DETAIL
[DEPTH TO SOFFIT 3 TO 6m]



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 VERTICAL BACKDROP DETAIL

rev	date	description	by	chkd.
P01	25/01/21	ISSUED FOR PLANNING	APW	LMcL

client approval: A - Approved; B - Approved with comments; C - Do not use

suitability: S2 - INFORMATION

issue purpose: PLANNING

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project ref.
LISSYWOLLEN RESIDENTIAL DEVELOPMENT AT BRAWNY ROAD, LISSYWOLLEN, ATHLONE, CO. WESTMEATH

drawing title
STANDARD SURFACE WATER MANHOLE DETAILS

architect
DELPHI ARCHITECTS

designed by	author	scale	sheet size
LMCL	KGO	AS	A1

drawing no. 180176-DBFL-XX-XX-DR-C-5001

revision P01