

ROCKER PIPES

ROCKER PIPE LENGTH

PP Square Cover & Frame 4D.920 Screwed to Shaft (3 no. off screws)

160mm

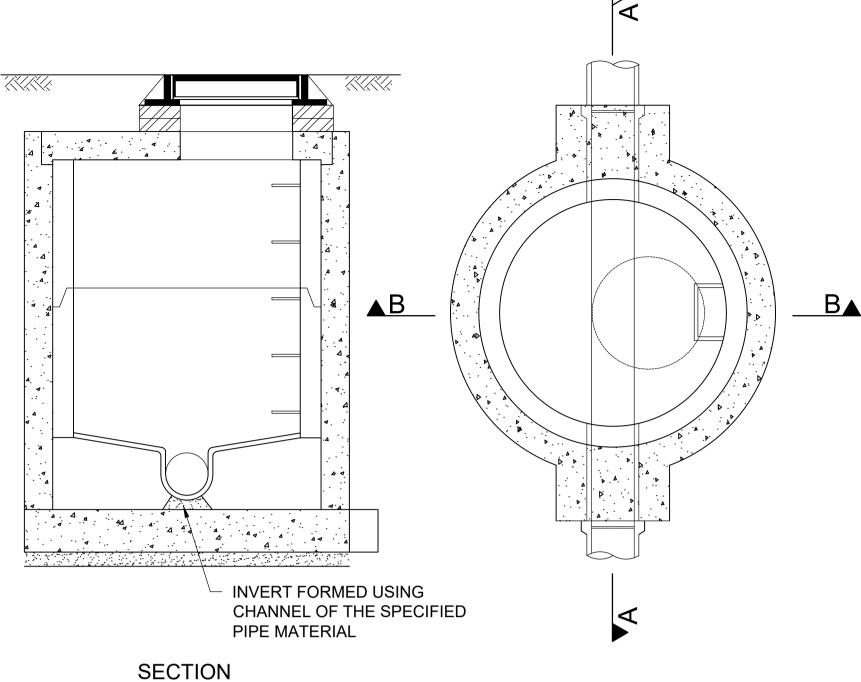
4D.925 INSPECTION-CHAMBER SHAFT

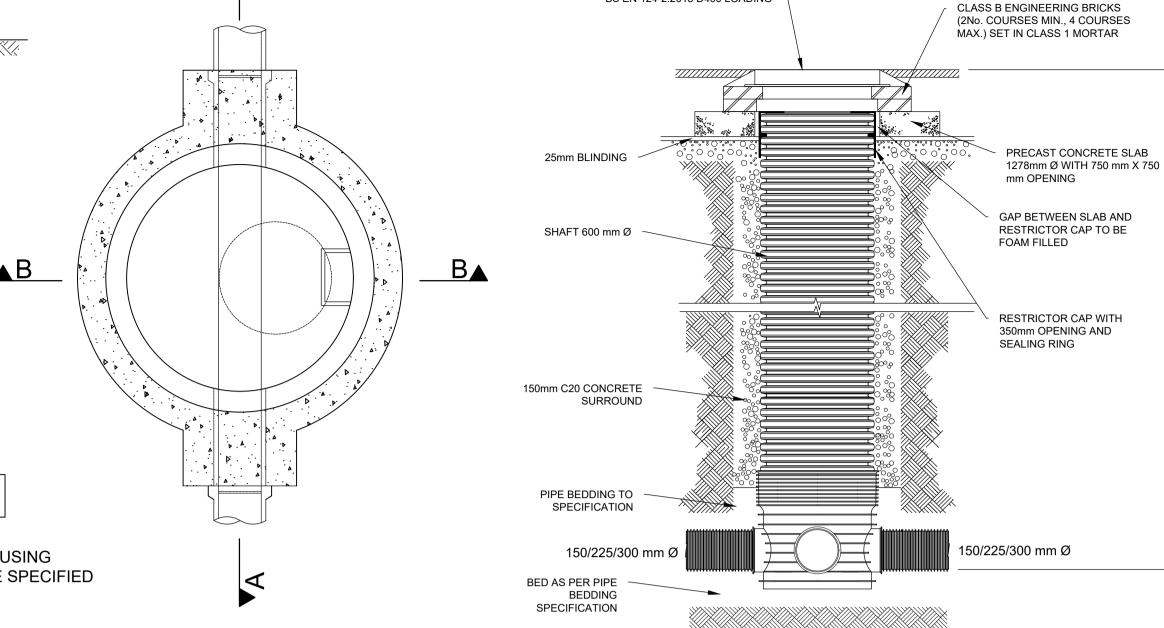
PIPE DIA. mm

MAX 3 COURSES OF BRICKWORK PRECAST CONCRETE **ROOF SLAB** PRECAST CONCRETE MANHOLE RINGS 150mm THICK GRADE C20 CONCRETE SURROUND 300 PIPE TO EXTEND INTO CHAMBER BY 100mm (MINIMUM) THICKNESS GRADE C20 **CONCRETE BASE** 75mm BINDLING SHORT PIPE

SECTION

A-A





DI COVER & FRAME

BS EN 124-2:2015 D400 LOADING

PRECAST CONCRETE MANHOLE - TYPE 1 (DEPTHS 1.0m TO 3.0m ON PIPES UP TO 300mm DIA.)

(NOT TO SCALE)

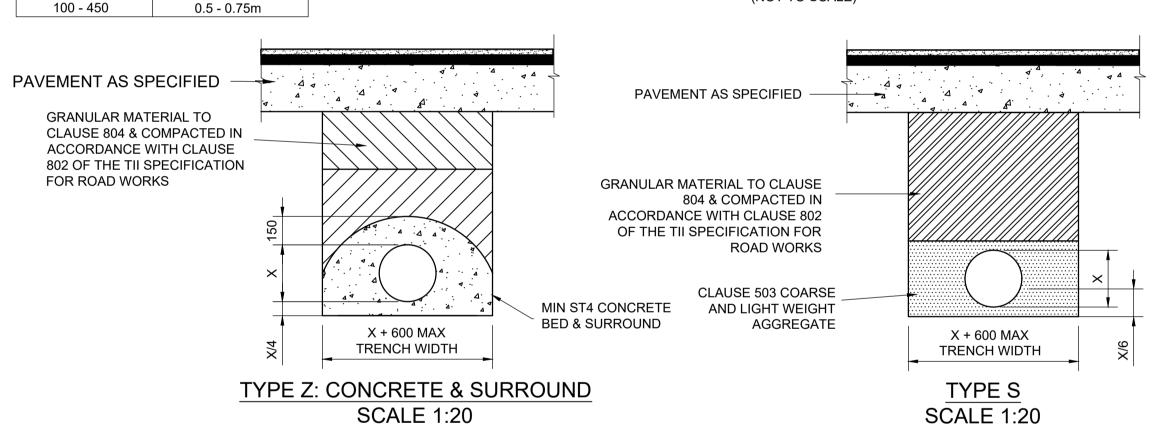
∠6D.928 CHAMBER BASE 160mm x 160mm

160mm

B-B

(LENGTH SIMILAR

TO ROCKER PIPE)



SIDEFILL

INSPECTION CHAMBER ON PLATFORMS

(NOT TO SCALE)

160mm

PLAN

160mm

6D.928 CHAMBER

BASE 160mm x 160mm

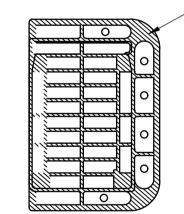
SECTION

PIPE BEDDING DETAILS

SECTIONAL

PLAN

- 1. ALL DIMENSIONS ARE IN MILLIMETERS.
- 2. DIMENSION X IS THE EXTERNAL DIAMETER OF THE PIPE
- 3. THE MINIMUM AND MAXIMUM WIDTH OF THE TRENCH APPLIES ON AND BELOW A LINE 300mm ABOVE THE OUTSIDE TOP OF THE PIPE. ABOVE THE 300mm LINE THE TRENCH BACKFILL MATERIAL SHALL BE AS DESCRIBED IN CLAUSE 505.2 OF
- 4. THE CONCRETE BED OR SURROUND MAY EXTEND TO THE SIDES OF THE TRENCH OR BE OF MINIMUM WIDTH. MATERIAL TO CLAUSE 503.3(ii) IS TO BE USED TO FILL ANY VOIDS SO
- 5. FOR TYPE Z TRENCH THE CONCRETE COVER MAY BE FORMED TO A RADIUS BETTER OR HORIZONTAL SURFACE. MINIMUM COVER OF CONCRETE SHALL BE 150.

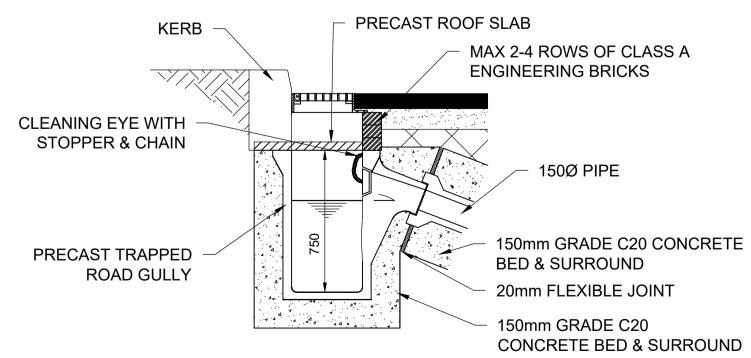


INSPECTION CHAMBER D400 LOADING

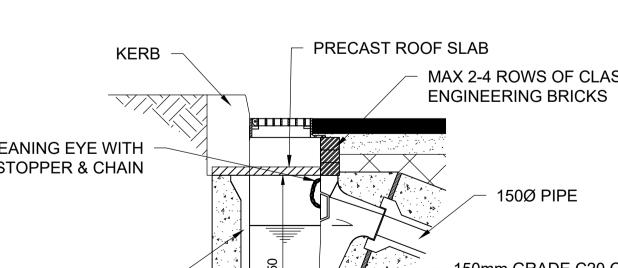
(NOT TO SCALE)

FLAT ROAD GULLY MANUFACTURED IN DUCTILE IRON AND IN COMPLIANCE WITH EN124-2:2015 D400. OVERALL DIMENSIONS SHALL BE 645x440x100mm.FRAME OPENING 495x345mm. FLANGE SHALL BE TO THREE SIDES ONLY. THE GRATING SHALL BE LEFT HAND HINGED WITH THE FLOW OF TRAFFIC. GRATE SHALL HAVE A CLEAR WATERWAY OF 1140m². A THIRD PARTY TEST REPORT SHOWING COMPLIANCE WITH THE FULL REQUIREMENTS OF EN124 SHALL BE PROVIDED

D400 GRATING AND FRAME EN124-2:2015



TRAPPED/UNTRAPPED ROAD GULLY (NOT TO SCALE)



AECOM

PROJECT

Phase 1 Corrib Causeway Dyke Road, Galway

Galway City Council

CONSULTANT

AECOM

BLOCK 6, GALWAY TECHNOLOGY PARK PARKMORE

GALWAY, H91 W30F, IRELAND

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NOTES

- 1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS, ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER.
- . ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF WORKS.
 AECOM LIMITED TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT
- OF WORKS ON SITE. DIMENSIONS OF ALL BOUNDARIES AND ADJOINING ROADS TO BE CHECKED ON SITE PRIOR TO
- COMMENCEMENT OF WORKS. . DO NOT SCALE, ALL MEASUREMENTS IN MILLIMETRES
- **UNLESS SHOWN OTHERWISE**
- THE LOCATION & DEPTH OF SERVICES TO BE CHECKED ON SITE PRIOR TO COMMENCING ANY WORKS.

 MANHOLE COVERS AND FRAMES IN PUBLICLY
- ACCESSIBLE AREAS SHALL BE HEAVY DUTY CAST IRON, CLASS D400, DOUBLE SEALED AND LOCKABLE TYPE
- COMPLYING WITH BS EN 124-2:2015. 8. GULLY GRATINGS & FRAMES SHALL COMPLY WITH BS EN
- 124-2:2015. 9. EXISTING INVERT LEVELS TO BE VERIFIED ON SITE BEFORE COMMENCING CONSTRUCTION.
- 10. SURFACE WATER & FOUL SEWER PIPES LESS THAN 1.2m BELOW THE ROAD SURFACE OR LESS THAN 0.9m IN NON-TRAFFICKED FOOTPATHS AND LANDSCAPE AREAS (WITH AN ABSOLUTE MINIMUM DEPTH OF COVER ABOVE THE EXTERNAL CROWN OF THE PIPE Ø750mm) SHALL BE PROTECTED FROM DAMAGE BY PROVIDING MINIMUM 150mm THICK CONCRETE C16/20 HAUNCH IN
- ACCORDANCE WITH IS EN 12620. 11.CCTV SURVEY TO BE CONDUCTED PRIOR TO COMMENCEMENT OF ANY WORKS TO DETERMINE THE CONDITION AND VERIFY LEVELS OF THE EXISTING FOUL AND SURFACE WATER PIPES/ MANHOLES. ANY SUB-STANDARD OR DEFECTIVE ELEMENTS OF THE EXISTING PIPES/MANHOLES TO BE REPORTED AND
- 13.ALL SURFACE WATER DRAINAGE DETAILS TO BE IN ACCORDANCE WITH TII SPECIFICATIONS FOR ROAD
- 14. ALL FOUL DRAINAGE TO BE IN ACCORDANCE WITH THE IRISH WATER STANDARD DETAILS AND CODES OF
- PRACTICE. 15. CONNECTIONS TO THE EXISTING DRAINAGE NETWORK
- REQUIRE APPROVAL FROM IRISH WATER & GALWAY CITY 16.REFER TO ARCHITECT DRAWINGS FOR ARCHITECTURAL
- 7.REFER TO LANDSCAPE ARCHITECT DRAWINGS FOR LANDSCAPING DETAILS.

AECOM

PURPOSE

P3 PLANNING

ISSUE/REVISION

	01	26.02.2025	FOR PLANNING
	I/R	DATE	DESCRIPTION

PROJECT NUMBER

60710277

SHEET TITLE

TYPICAL DRAINAGE DETAILS (SHEET 03)

SHEET NUMBER

60710277-ACM-XX-XX-DR-CE-10-0552