



ROCKER PIPE LENGTH	
PIPE DIA. (mm)	ROCKER PIPE LENGTH (mm)
150 to 600	600
GREATER THAN 600 to 750	1000
GREATER THAN 750	1250

BENCHING:
1:3 CEMENT:SAND MORTAR WITH STEEL
TROWEL FINISH AT A 1:30 SLOPE TOWARDS THE
CHANNEL

1. ALL BRICK TO BE SOLID ENGINEERING BRICK CLASS A OR B
2. FOR PIPE DIAMETER >750mm USE MANHOLE WITH INTERNAL DIAMETER SIZE= PIPE SIZE + 1 METRE + 300mm
3. DISTANCE FROM THE TOP RUNG OF THE LADDER TO GROUND LEVEL MUST BE A MAXIMUM OF 500mm.

FOR SURFACE WATER MANHOLES HIGH DENSITY BLOCKS TO CL.S10 OF I.S.20 PART 1. 1987 OR CL.30/20 IN-SITU CONCRETE. BLOCKWORK SHALL BE BEDDED AND JOINED USING MORTAR DESIGNATION THREE TO I.S.406. BEDS AND VERTICAL JOINTS SHALL BE COMPLETELY FILLED WITH MORTAR AS THE BLOCKS ARE LAID. JOINTS SHALL BE FLUSH POINTED AS THE WORK PROCEEDS ALL FOUL MANHOLES MUST BE FACED IN SOLID ENGINEERING BRICK (MIN CLASS A OR B), OR IN-SITU CONCRETE FOR 1m ABOVE BENCHING LEVEL. BRICK TO BE BONDED TO BLOCKWORK USING ENGLISH GARDEN WALL BAND.

MANHOLE COVER NOTE:
CLASS D400 MANHOLE COVER AND FRAME TO IS/EN 124.
150mm DEEP FRAME FOR ROADS, 100mm DEEP FOR
FOOTPATHS AND GREEN AREAS, NON-SKID DESIGN,
CLOSED KEYWAYS, MANUFACTURED FROM
SPHEROIDAL GRAPHITE CAST IRON (DUCTILE CAST
IRON), 600x600 (OR 600 DIAM) CLEAR OPENING, COVER &
FRAME COATED IN BITUMEN OR OTHER APPROVED
MATERIAL, COVER TO HAVE A MINIMUM MASS OF
140kg/m², FRAME BEARING AREA SHALL BE 80,000mm²
MIN. FRAMES SHALL BE DESIGNED TO PREVENT
COVERS FALLING INTO MANHOLE. FRAMES SHALL BE
BEDDED ON APPROVED MORTAR TO MANUFACTURER'S
CONSTRUCTIONS.



150mm - 450mm Ø (INCL) DROP GREATER THAN 600mm AND LESS THAN 900mm
500mm - 900mm Ø (INCL) DROP GREATER THAN 600mm AND LESS THAN 1300mm
(SEWERS GREATER THE 450mmØ ARE OUTSIDE THE SCOPE OF THE STANDARD DETAILS)
SCALE 1:25@A1
1:50@A3



Project OMNI PLAZA SHD			
Drawing Title CONSTRUCTION DETAILS SHEET 1			
Job No. (Er Eng) 201121	Org Status	Scale @ A1 1:25@A1 1:50@A3	
Drawn By L Lonergan	Checked By T Byrne	Approved By E Deasy	Checked Date 25.06.2021
Drawing Number 201121-ECE-ZZ-XX-DR-C-0007			Revision PL2