



- NOTES**
- 1.0 DRAWINGS ARE NOT TO BE SCALED. USE ONLY STATED DIMENSIONS. ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES.
 - 2.0 ALL LEVELS REFER TO OS DATUM MAIN HEAD.
 - 3.0 THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION AND ALL OTHER CONTRACT DOCUMENTATION.
 - 4.0 ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE DEPARTMENT OF ENVIRONMENT RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS FOR HOUSING AREAS AND THE SPECIFIC REQUIREMENTS OF THE LOCAL AUTHORITY.
 - 5.0 CONCRETE BASES AND SURROUNDS SHALL BE GRADE C30 SURROUNDS SHALL BE A MINIMUM 150MM THICK AND CONTAIN ONE LAYER OF A12 MESH.
 - 6.0 BLINDING CONCRETE SHALL BE GRADE C15. BLINDING SHALL BE A MINIMUM THICKNESS OF 100MM.
 - 7.0 SAND CEMENT RENDER SHALL BE A MINIMUM 25MM THICK WITH STEEL TROWEL FINISH.
 - 8.0 CHAMBERS COVERS & FRAMES SHALL COMPLY WITH THE REQUIREMENTS OF BS 59 AND SHALL BE MINIMUM CLASS D400. CHAMBER COVERS SHALL BE BADGED WITH THE APPROPRIATE LETTERING TO INDICATE THE TYPE OF VALVE.
 - 9.0 HYDRANTS SHALL COMPLY WITH THE REQUIREMENTS OF BS 750 AND SHALL BE A TYPE APPROVED BY THE LOCAL AUTHORITY AND THE COUNTY FIRE OFFICER.
 - 10.0 HYDRANT CHAMBER COVERS SHALL BE PAINTED CANARY YELLOW WITH AN APPROVED ENAMEL PAINT.
 - 11.0 HYDRANTS SHALL NOT BE PLACED IN THE PUBLIC ROAD OR OTHER AREAS WHERE THE HYDRANT COULD BE OBSTRUCTED.
 - 12.0 MARKER POSTS AND INDICATOR PLATES SHALL COMPLY WITH THE REQUIREMENTS OF BS 3351.
 - 13.0 SEMI ENGINEERING BRICK SHALL BE GRADE 4/NUM12.
 - 14.0 ANCHOR BLOCKS SHALL BE GRADE 30/20 CONCRETE.
 - 15.0 STOPCOCKS SHALL COMPLY WITH THE REQUIREMENTS OF 1010 PART 2.
 - 16.0 ALL CONNECTIONS TO THE LOCAL MAINS SHALL BE COMPLETED BY THE LOCAL AUTHORITY OR UNDER THE SUPERVISION OF THE LOCAL AUTHORITY.
 - 17.0 ALL PRESSURE TESTING & STERILISATION SHALL BE COMPLETED BY THE LOCAL AUTHORITY OR UNDER THE SUPERVISION OF THE LOCAL AUTHORITY.
- ANCHOR BLOCKS**
- ANCHOR BLOCKS SHALL BE GRADE 30/20 CONCRETE AND SHALL BE PLACED AROUND PRESSURE PIPES AT BOTH SIDES OF ALL VALVE CHAMBERS AND AT ENDS OF GREATER CURVATURE OF 22.5 DEGREES.
- BLOCKS SHALL BE TAKEN 150MM BELOW THE PIPE INVERT FOR THE FULL WIDTH OF THE TRENCH AND SHALL ENCASE THE PIPE TO 150MM OVER THE TOP OF THE BARREL.
- THE MINIMUM LENGTH OF ANCHOR BLOCK SHALL BE 600MM FOR PIPES UP TO 150MM Ø AND 900MM OTHERWISE.
- ANCHOR BLOCKS SHALL BE PROVIDED AT ALL DEAD ENDS TEES AND TAPERS.
- STEELY INCLINED PIPELINES SHALL BE SECURED WITH TRANSVERSE ANCHOR BLOCKS.

- LEGEND**
- F — EXISTING 225MM/300MM Ø UNKNOWN GRAVITY FOUL SEWER
 - 100FW — NEW 100MM Ø uPVC FOUL SEWER @ 1/50 FALL
 - 150FS — NEW 150MM Ø uPVC FOUL SEWER @ 1/50 FALL
 - 150SW — NEW 150MM Ø uPVC SW SEWER @ 1/100 FALL
 - S — NEW 225MM Ø uPVC SW SEWER @ 1/100 FALL
 - WATER — EXISTING WATERMAIN
 - W/MAN — NEW 110MM Ø W/MAN AQUAFORCE FULLY WELDED WATER MAIN
 - S — NEW 63MM Ø WATER SERVICE PIPE
 - AJ — NEW W/MAN SHALLOW AJ INSPECTION CHAMBER
 - MH — NEW BLOCKWORK MANHOLE CHAMBER
 - IC — NEW TEGRA 600 MANHOLE INSPECTION CHAMBER
 - SV — SLUICE VALVE
 - H — HYDRANT
 - M — IW APPROVED BULK WATER METER
- ALL UPVC SEWER PIPES SHALL BE STRENGTH GRADE S8 / SDR34
- ALL PIPES UNDER ROADWAYS SHALL BE BENCHED IN CONCRETE & PROVIDED WITH MOVEMENT JOINTS IN ACCORDANCE WITH IW DETAILS

AN BORD PLEANÁLA

19 JUN 2024

LTR DATED _____ FROM App.

LDG- _____

ABP- 314994-22

- NOTES**
1. For setting out refer to Architect's drawings.
 2. This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
 3. DO NOT SCALE THIS DRAWING. Use figured dimensions only.
 4. No part of this document may be reproduced or transmitted in any form or stored in any retrieval system of any nature without the written permission of GKCE LTD as copyright holder except as agreed for use on the project for which the document was originally issued.

- PROGRESS
- PLANNING
- TENDER
- CONSTRUCTION

Issued To	Date	No. Of Copies
Architect		
Quantity Surveyor		
Main Contractor		
M. & E. Engineers		
Client		
Clerk of Works		

Rev	By	Date	Description
PL1	AA	22.07.2022	PLANNING
PL2	AA	02.08.2022	ENTRANCE PIERS

Scales: _____ Date: AUGUST2022 Drawn: AA Checked: _____

JOB TITLE

PROPOSED RESIDENTIAL
THE CLOISTER, LUCAN RD
DRG. TITLE
ENGINEERING SERVICES
FOUL / SW / WATER SUPPLY

GK Consulting Engineers LTD

Unit 12 Millbank Business Centre K78CF75
ph 018749322
email office@gkce.ie
www.gkce.ie

DRAWING NUMBER: GK19106C101 REV. PL2