



**LEGEND:**

- PROPOSED ROAD & STREET PARKING
- PROPOSED RAISED TABLES
- PROPOSED REALIGNED STREAM
- PROPOSED OPEN WATER MAINTENANCE ACCESS
- PROPOSED SITE BOUNDARY
- SITE OWNERSHIP BOUNDARY

**LEGEND:**

- F4047 CL.39.240 L.35.144
- F4048 CL.39.160 L.37.698
- EXISTING SURFACE WATER SEWER REG. REF: 19/336
- PROPOSED FOUL SEWER
- PROPOSED SURFACE WATER SEWER
- PROPOSED LAND DRAIN
- PROPOSED ROAD GULLY
- PROPOSED FOUL INSPECTION CHAMBER
- PROPOSED SURFACE WATER INSPECTION CHAMBER
- PROPOSED FOUL ARMSTRONG JUNCTION
- PROPOSED SURFACE WATER ARMSTRONG JUNCTION
- PROPOSED PERMEABLE PAVING
- INDICATES CONCRETE SURROUND TO RISH WATER DETAIL STD-W-05

- NOTES:**
1. ALL LEVELS ARE TO MAIN HEAD ORDNANCE DATUM.
  2. REFER TO DRAWING ARDEE-CSC-00-XX-DR-C-006 FOR PIPE BEARING DETAILS.
  3. REFER TO DRAWING ARDEE-CSC-00-XX-DR-C-006 FOR PIPE BEARING DETAILS.
  4. ALL WORKS IN CONFINED SPACES SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE PROVISIONS ON "SAFE WORK" IN CONFINED SPACES CODE OF PRACTICE FOR WORKING IN CONFINED SPACES, PUBLISHED BY THE HEALTH & SAFETY AUTHORITY.
  5. ALL SITE DEVELOPMENT WORKS SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE CONSTRUCTION DRAWINGS.
  6. ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY. IN PARTICULARS SEE THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS AND THE RISH WATER CODE OF PRACTICE AND STANDARD DETAILS.
  7. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTATION INCLUDING DRAWINGS AND SPECIFICATIONS.
  8. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING, PROTECTING AND MAINTAINING ALL EXISTING SERVICES WITHIN THE SITE BOUNDARY AND IN THE AREAS AFFECTED BY THE WORKS. THE ENGINEER HAS PROVIDED INFORMATION ON WORKING SERVICES BUT DOES NOT GUARANTEE THAT THE INFORMATION PROVIDED BY THE THIRD PARTIES IS CORRECT OR THAT THESE ARE THE ONLY SERVICES ON THE SITE.
  9. STABLE SHORT LENGTHS OF PIPE OR ROCKER PIPES SHALL BE INSTALLED TO PROVIDE A FLEXIBLE JOINT WITHIN ROOMS OF THE OUTER FACE OF THE MANHOLE ON ALL SEWERS AND BRANCHES.
  10. WHERE ROOF IS MET IN TRENCHES IT SHALL BE EXCAVATED AND TRIMMED TO SLOPE BELOW THE UNDERFACE OF PIPELINE.
  11. GRANULAR MATERIAL SHALL BE 200MM NOMINAL SIZE GRADED AGGREGATE TO COMPLY WITH TABLE 1 OF 833 TO BE USED FOR BEDDING, HANDBANKING AND SURROUND TO PIPES WHERE SPECIFIED.
  12. CONCRETE MIX C/20 TO BE USED FOR BEDDING, HANDBANKING AND SURROUND WHERE SPECIFIED.
  13. WHERE ROOF PIPES WITH FLEXIBLE JOINTS ARE USED WITH CONCRETE BEDS FOR DRAINAGE AND WATERMANS, VERTICAL JOINTS SHALL BE PROVIDED IN THE BEDS AT MAX INTERVALS OF 5.0M AND ALIGNED WITH FACE OF PIPE SOCKET JOINTS TO BE MINIMUM 100MM AND FILLED WITH FLEXLOK OR SIMILAR APPROVED MATERIAL.
  14. SURFACE WATER AND FOUL DRAINS SHALL BE SURROUNDED BY 150 THICKNESS OF C/20 CONCRETE IF COVER TO PIPE IS LESS THAN:
    - 1.0M IN ROADS AND DRIVEWAYS
    - 0.5M IN OPEN SPACES AND PATHS NOT NEAR CARPARKWAYS.
  15. ALL PIPE RUNS SHALL BE LAD IN STRAIGHT LINES BOTH VERTICALLY AND HORIZONTALLY TO THE SPECIFIED GRADIENTS BETWEEN MANHOLES. NO DEVIATIONS OR BENDS SHALL BE PERMITTED.
  16. REFER TO THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS FOR DETAILS OF SURFACE WATER MANHOLE STANDARDS AND RISH WATER CODE OF PRACTICE AND STANDARD DETAILS FOR DETAILS OF FOUL MANHOLE STANDARDS.
  17. THE CONTRACTOR SHALL OBTAIN A CITY SURVEY REPORT OF THE CONTROLLED STORM & FOUL NETWORK TO THE SATISFACTION OF THE LOCAL AUTHORITY AND REPORT TO BE ISSUED ON PRACTICAL COMPLETION.
  18. THE LOCAL AUTHORITY MUST BE NOTIFIED AT LEAST 10 WORKING DAYS IN ADVANCE OF COMMENCEMENT OF WORKS.
  19. PRIOR TO COMMENCEMENT OF CONSTRUCTION OUTLIFT LEVELS FOR THE FOUL AND SURFACE WATER MANHOLES SHALL BE WORKED ON SITE.
  20. PROPOSED FOUL SEWERS WILL BE OTHER CONCRETE, THERMOSTATIC STRUCTURED WALLS OR UNREINFORCED IN ACCORDANCE WITH SECTION 11.3 OF THE RISH WATER CODE OF PRACTICE. PROPOSED STORM DRAINS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF FINGAL CO. DO.
  21. TYPICAL SERVICE LAYOUT DISTANCES (HORIZONTAL AND VERTICAL) AS PER RISH WATER DETAIL STD-W-05.
  22. THE EXTERNAL FACE OF PROPOSED MANHOLE CHAMBERS IN PUBLIC ROADS SHALL BE A MINIMUM 0.5M FROM THE PROPOSED PUBLIC ROAD WHEEL LINE IN ACCORDANCE WITH SECTION 12.3 OF THE RISH WATER CODE OF PRACTICE.
  23. INSPECTION CHAMBERS TO EACH HOUSE/JOINT TO BE IN ACCORDANCE WITH RISH WATER DETAIL STD-W-02 AND STD-W-03.
  24. APPROPRIATE MEASURES REFERRED TO SECTION 1.31 OF THE RISH WATER CODE OF PRACTICE WILL BE PROVIDED TO PREVENT ANY DAMAGE TO INFRASTRUCTURE VIA ROOT INGRESS OR NEGATIVE IMPACTS TO PLANTING SUCH AS DAMAGE OF TREE ROOTS.

**PIPE MATERIALS**

ALL FOUL STORM PIPE MATERIALS SHALL BE PVC 300 OR IN ACCORDANCE WITH SECTION 11.3 OF THE RISH WATER CODE OF PRACTICE FOR WASTEWATER.

PROPOSED SURFACE SEWERS 450mm IN DIAMETER OR LARGER TO BE CONCRETE STRUCTURED WALLS. THERMOSTATIC STRUCTURED WALLS. (MIN. WALL TO PIPE DIAMETERS 225mm OR 275mm OR SIMILAR APPROVED).

**PLANNING DRAWING.**  
 NOT FOR CONSTRUCTION.  
 ALL LEVELS GIVEN ARE  
 RELATIVE TO ORDNANCE DATUM.  
 THIS DRAWING HAS BEEN ISSUED FOR INFORMATION  
 PURPOSES ONLY AND MUST NOT BE USED  
 FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

**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.
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Rev. No.	Date	Revision Note	By	Check By
P1	23.03.2021	TANK SIZES INCREASED TO ACCOUNT FOR 10% CLIMATE CHANGE	DO	NE
P2	08.10.2021	ISSUED FOR PLANNING STAGE 5	DO	NE
P3	16.11.2021	FOUL NETWORK AMENDED IN RESPONSE TO REVIEW BY RISH WATER FOR STATEMENT OF DESIGN ACCEPTANCE	DO	NE

Client	THE ARDEE PARTNERSHIP BRIDGEGATE SHD, ARDEE, CO. LOUTH
Project	PROPOSED DRAINAGE LAYOUT
Drawn By	ARDEE-CSC-00-XX-DR-C-1002
Checked By	
Date	08/11/2021
Author	CH/15
Approved	SB/26
Scale	1:500 @ A0

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