



**Note:**  
All dimensions are in mm unless otherwise stated.

**NOTE**  
Contours Denote Existing Ground Level

**DRAINAGE LEGEND**

BOUNDARY LINE	
PROPOSED WALL	
PROPOSED FOUL WATER SEWER LINE	
PROPOSED STORM WATER SEWER LINE	
PROPOSED ACCESS JUNCTION / INSPECTION CHAMBER	
BACK INLET GULLEY TRAP (BIGT)	
SOIL VENT PIPE (SVP)	
RAINWATER PIPE & GULLEY	
PROPOSED STORM WATER MANHOLE	
ACO DOOR THRESHOLD DRAIN OR EQUIVALENT	



**FOUL & SURFACE WATER NOTES:**

- FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL AND ENGINEERING DRAWINGS AND ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
- FOR UNDER FLOOR DRAINAGE ARRANGEMENT PLEASE REFER TO ARCHITECT'S DRAWINGS.
- DO NOT SCALE THIS DRAWING. USE FIGURE DIMENSIONS ONLY.
- ALL SURFACE WATER SEWERS SHALL BE CARRIED OUT STRICTLY IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN "RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS FOR HOUSING AREAS" AS PUBLISHED BY DEPARTMENT OF ENVIRONMENT AND LOCAL GOVERNMENT AND IRISH WATER STANDARD DETAILS FOR WASTE WATER INFRASTRUCTURE.
- ALL FOUL SEWER WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE & IRISH WATERS WASTE WATER INFRASTRUCTURE STANDARD DETAILS
- GROUND LEVELS, COVER LEVELS AND INVERT LEVELS ARE APPROXIMATE ONLY. EXACT LEVELS TO BE CONFIRMED ON SITE.
- THE DEVELOPMENT SHALL BE CONNECTED TO THE PUBLIC SEWER TO THE SATISFACTION OF THE LOCAL AUTHORITY AND IRISH WATER. THE MINIMUM COVER TO ANY SEWER PIPE SHALL BE 1.2m IN ROAD AND 0.9m IN OPEN SPACES AND FOOTPATHS NOT ADJACENT TO CARRIAGEWAYS. WHERE IT IS NOT POSSIBLE TO ACHIEVE THESE MINIMUM COVERS, PIPES SHALL BE BEDDED AND SURROUNDED IN CONCRETE 150thk.
- THE SEWERS AND MANHOLES SHALL BE LAID AND TESTED TO THE SATISFACTION OF IRISH WATER AND THE LOCAL AUTHORITY. LAYING, BEDDING AND BACK FILLING OF SEWERS SHALL BE IN ACCORDANCE WITH THE IRISH WATER STANDARD DETAILS.
- ALL SERVICE TRENCHES IN ROADS SHALL BE BACK FILLED AND PROPERLY COMPACTED WITH GRANULAR MATERIAL IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS FOR WASTEWATER INFRASTRUCTURE.
- GULLIES A) ALL GULLIES AND MANHOLES LOCATED IN THE PUBLIC ROAD SHALL BE LOCKING TYPE. GULLIES TO BE LOADED EVERY 45m OR 200m<sup>2</sup> OF HARD STANDING. B) DOUBLE GULLIES TO BE PROVIDED AT ALL ROAD SAG CURVES AND CUL DE SACS WHERE INDICATED. SEPARATE CONNECTIONS SHALL BE PROVIDED FOR EACH GULLY.

**IRISH WATER STANDARD DETAILS AND CODE PRACTICE:**

ALL OF THE SITE DRAINAGE WORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER'S (IW) "WASTEWATER INFRASTRUCTURE STANDARD DETAILS" AND "CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE".

STANDARD DETAILS FOR WASTEWATER NETWORKS :

- STD-WW-02 TYPICAL LAYOUT FOR SEWER WITHIN NEW DEVELOPMENTS
- STD-WW-03 DRAIN & SERVICE CONNECTION PIPEWORK
- STD-WW-07 TRENCH BACKFILL & BEDDING
- STD-WW-08 CONCRETE BED, HAUNCH & SURROUNDING TO WASTEWATER PIPES
- STD-WW-10 PRECAST CONCRETE MANHOLE
- STD-WW-12 BACKDROP MANHOLES
- STD-WW-13 PRIVATE SIDE INSPECTION CHAMBER FOR REINFORCED IN SITU ITEMS SUCH AS MANHOLES ETC, ALLOW H12 REBAR@200c/c BOTH FACES. NOTE THAT PRECAST OPTIONS ARE ALSO SPECIFIED

PIPE MATERIALS:

- SERVICE CONNECTIONS FROM DWELLING TO BE 100mm Ø UNPLASTICISED PVC IN ACCORDANCE WITH SECTION 3.13 OF IW CODE PRACTICE.
- SITE SEWER TO BE THERMOPLASTIC STRUCTURED WALL PIPES IN ACCORDANCE WITH SECTION 3.13 OF THE IW CODE OF PRACTICE.
- RISING MAIN TO BE POLYETHYLENE IN ACCORDANCE WITH SECTION 3.14 OF WASTEWATER CODE OF PRACTICE.

TESTING:

- SITE SEWER AND MANHOLES TO BE TESTED IN ACCORDANCE WITH SECTION 4.10 OF IW CODE OF PRACTICE.
- CCTV AND MANHOLE CONDITION SURVEYS TO BE CARRIED OUT IN ACCORDANCE WITH SECTION 19 OF IW CODE OF PRACTICE IN ADVANCE OF THE DEFECTS LIABILITY PERIOD.

NOTE: ALL MANHOLE COVER LEVELS TO BE CHECKED IN SITU TO ENSURE THAT THEY ARE LEVEL WITH THE SURROUNDING FINISHED SURFACES.

ALL GULLIES AND ACO DRAINS TO BE CONNECTED TO MAIN DRAINS WITH 100mm STORM PIPE @1.80 MIN GRADIENT.

**NOTE**  
LOCATION OF EXISTING SERVICES IS INDICATIVE ONLY AND SHOULD BE USED FOR INFORMATION PURPOSES ONLY.  
ALL EXISTING LEVELS TO BE CHECKED ON SITE & CONFIRMED WITH ENGINEER BEFORE COMMENCEMENT OF WORKS.

CROCON GRADING PLAN TO BE REVIEWED IN CONJUNCTION WITH THE PROPOSED DRAINAGE SYSTEM AND MANUFACTURER TO CONFIRM ACCEPTANCE OF SAME PRIOR TO INSTALLATION OF SYSTEM

- GULLY NOTES:**
- MINIMUM DEPTH FROM THE TOP OF THE GRATING TO THE TOP OF THE GULLY OUTLET IS TO BE 750MM WHEN THE CONNECTING PIPE IS UNDER A CARRIAGEWAY OR HARD SHOULDER, AND 600MM ELSEWHERE
  - GULLY GRATING TO COMPLY WITH ISEN 124
  - GULLY GRATING TO BE PROVIDED WITH A LOCKING DEVICE IN ACCORDANCE WITH CLAUSE 508.4
  - PRECAST CONCRETE GULLIES & GULLY SLABS SHALL COMPLY WITH BS 5911-4 & IS EN 191

**NOTE**  
REFER TO STANDARD IRISH WATER DETAILS FOR DROP MANHOLE DETAIL

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<p>Cork County Council Proposed 2 No. Houses, Adrigole Garda Station, Co. Cork Proposed Drainage Layout</p>			