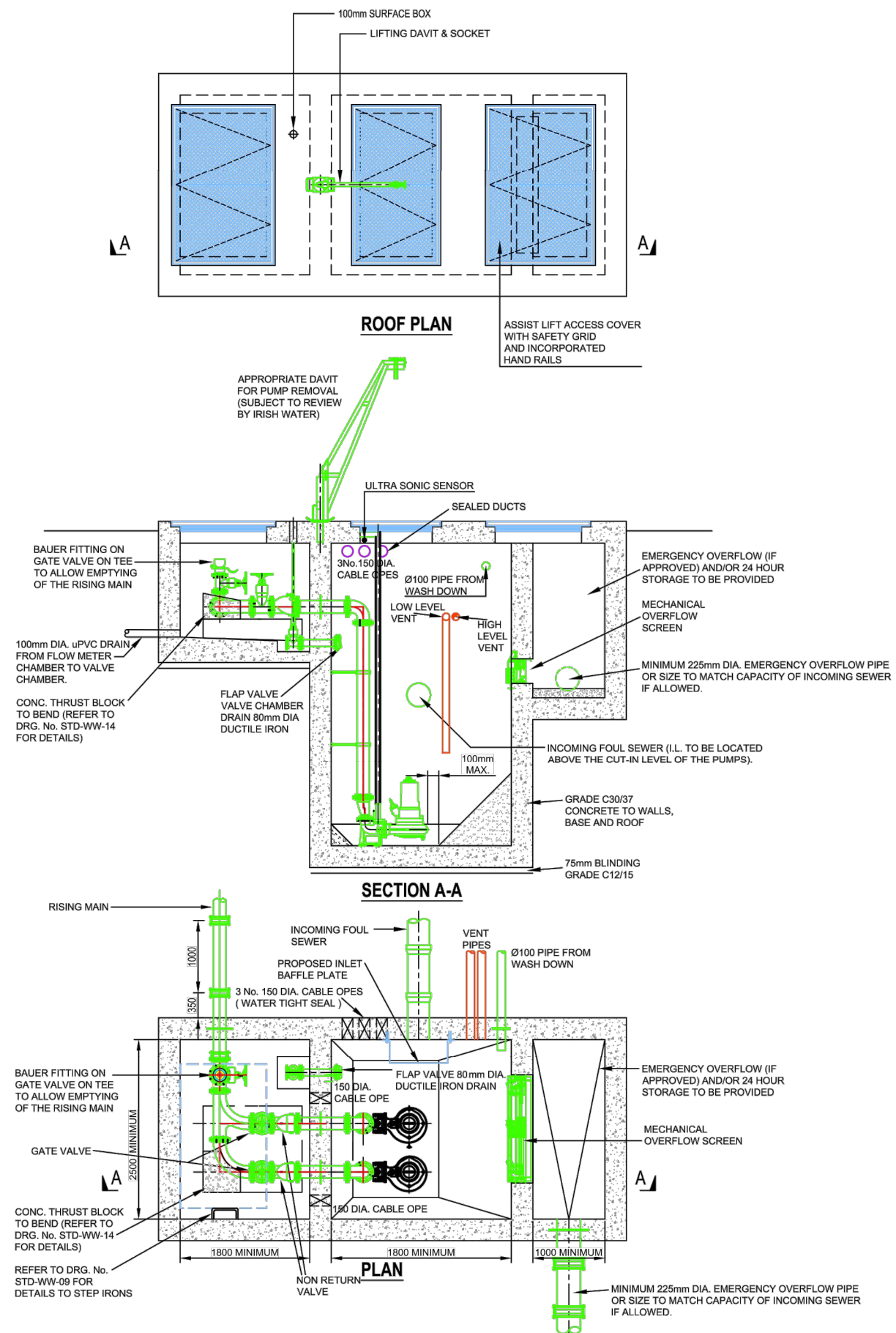


Pump Station as per Irish Water Standard Detail STD-WW-28



- NOTES:**
- All dimensions in metres.
Do not scale from drawing.
For any discrepancies found please consult with design office.
This drawing should be read in conjunction with all contract drawings, documents and specifications.
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
 - PUMPS SHALL BE INSTALLED TO IRISH WATER REQUIREMENTS. REFER TO PART 5 OF THE CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.
 - ALL DUCTILE IRON PIPE WORK AND FITTINGS TO BE IN ACCORDANCE WITH IS EN 598.
 - PRE-CAST CONCRETE CHAMBERS MAY BE USED SUBJECT TO REVIEW BY IRISH WATER. REFER TO DRG. No. WW-28A FOR DETAILS.
 - ALL GATE VALVES TO BE CLOCKWISE CLOSING.
 - WET WELL TO BE IN ACCORDANCE WITH BS EN 1992-3.
 - COVERS TO BE SIZED TO ALLOW ADEQUATE SPACE FOR PUMP REMOVAL MINIMUM 1400 x 800mm.
 - CHAMBER ACCESS COVERS WITH A CLEAR OPENING EXCEEDING 1m SHALL CONFORM TO BS 9124.
 - WALL THICKNESS AND REINFORCEMENT SHALL BE SELECTED BASED ON SITE SPECIFIC DESIGN AND SHALL BE SUBJECT TO REVIEW BY IRISH WATER. ROOF SLABS SHALL BE DESIGNED TO CARRY ALL LIVE LOADS & DEAD LOADS, & CONSIST OF A REINFORCED CONCRETE SLAB OF IN-SITU CONCRETE, GRADE C30/37, WITH A MINIMUM THICKNESS OF 225mm. ALTERNATIVELY, PRE-CAST CONCRETE ROOFS MAY BE USED, SUBJECT TO IRISH WATER REVIEW, & COMPLIANCE WITH BS 5911, Part 4
 - THE PUMPING STATION SHOULD NOT BE LOCATED IN AREAS THAT ARE SUSCEPTIBLE TO FLOODING AT MORE THAN A 1:30 YEAR RECURRENCE. THE PUMPING STATION FACILITY SHALL BE DESIGNED FOR INUNDATION. THE FINISHED SLAB LEVEL SHALL BE POSITIONED ABOVE THE 1:100 YEAR FLOOD LEVEL. ALL ELECTRICAL CONTROL EQUIPMENT SHALL BE WATER RESISTANT AND POSITIONED ABOVE 1:200 YEAR FLOOD LEVEL.
 - ALL CHAMBERS TO BE CHECKED FOR UPLIFT BY THE DEVELOPER BASED ON GROUND CONDITIONS WITHIN THE SITE. SHOULD ANTI FLOATATION MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO REVIEW BY IRISH WATER.
 - ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
 - THIS DRAWING IS INDICATIVE ONLY AND THE DEVELOPER SHALL SUBMIT A SITE SPECIFIC LAYOUT TO IRISH WATER FOR REVIEW.
 - VENTILATION STACK TO BE PROVIDED IN SENSITIVE AREAS.
 - A 24 HOUR STORAGE CAPACITY BASED ON DRY WEATHER FLOW, SHALL BE PROVIDED AT THE PUMPING STATION.
 - EMERGENCY OVERFLOW MAY BE PROVIDED SUBJECT TO APPROVAL FROM THE RELEVANT REGULATORY AUTHORITIES.
 - SURGE EQUIPMENT TO BE PROVIDED IF DEEMED NECESSARY.
 - INDICATIVE LAYOUT RELATES TO SMALL PUMPING STATIONS AS PER TYPE 1, TYPE 2 & TYPE 3 IN THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.

Rev	By	Date	Description

Drawing Status: Planning
NOT CERTIFIED FOR CONSTRUCTION

Project Title: Longview Estates Development

Drawing Title: Neighborhood 5 Pumping Station Cross-Section

Client: Longview Estates Ltd

M.H.L. & Associates Ltd.
Consulting Engineers

Carrig Mór House,
10 High Street,
Douglas Road,
Cork

Tel: 021-4840214
Fax: 021-4840215
E-Mail: info@mhl.ie

Designed: SM	Drawn: SFM	Checked: KM
Scale: N.T.S	Date: Nov 2019	
Job No: 17066HD	Drawing No: LHD_N5XS_P01	Revision: