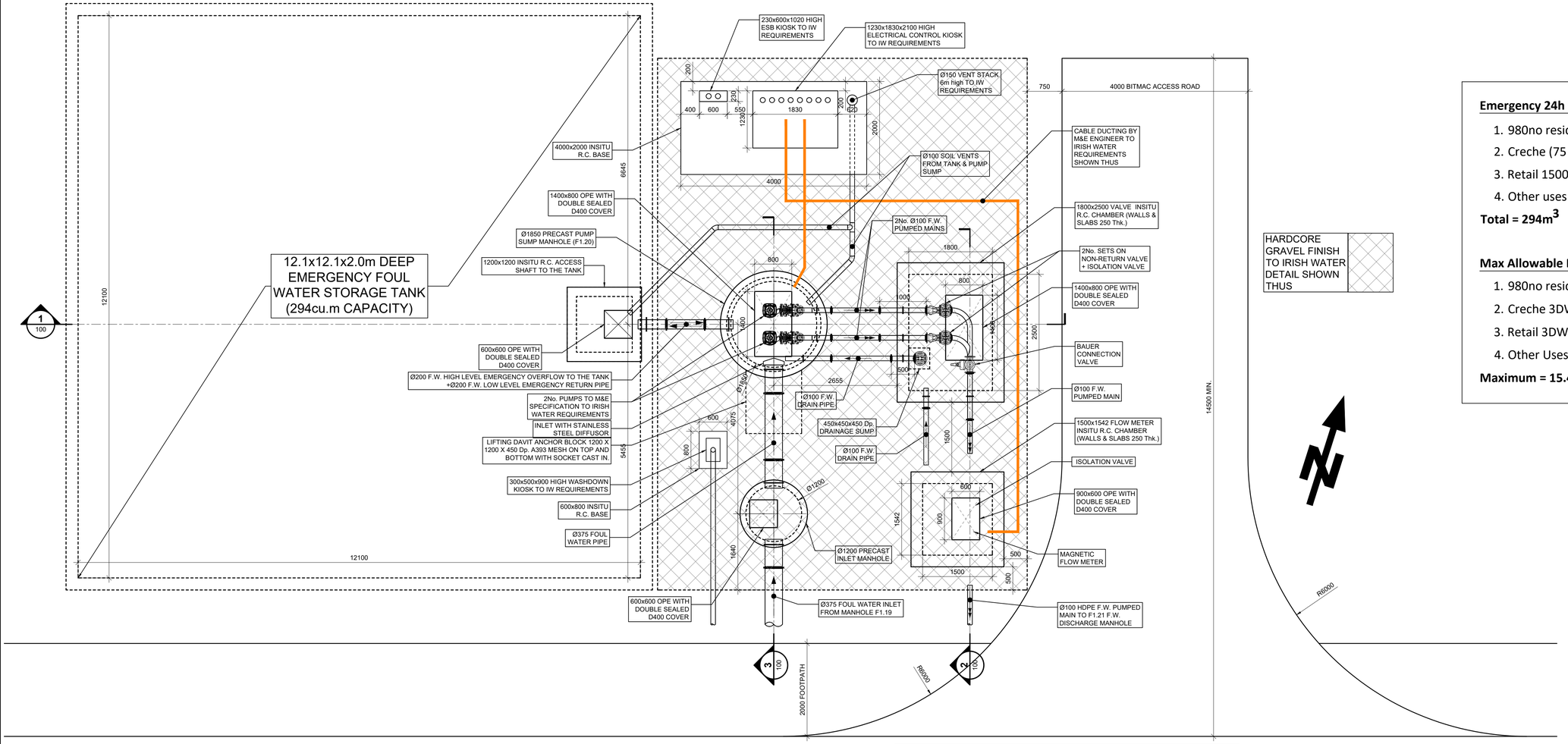
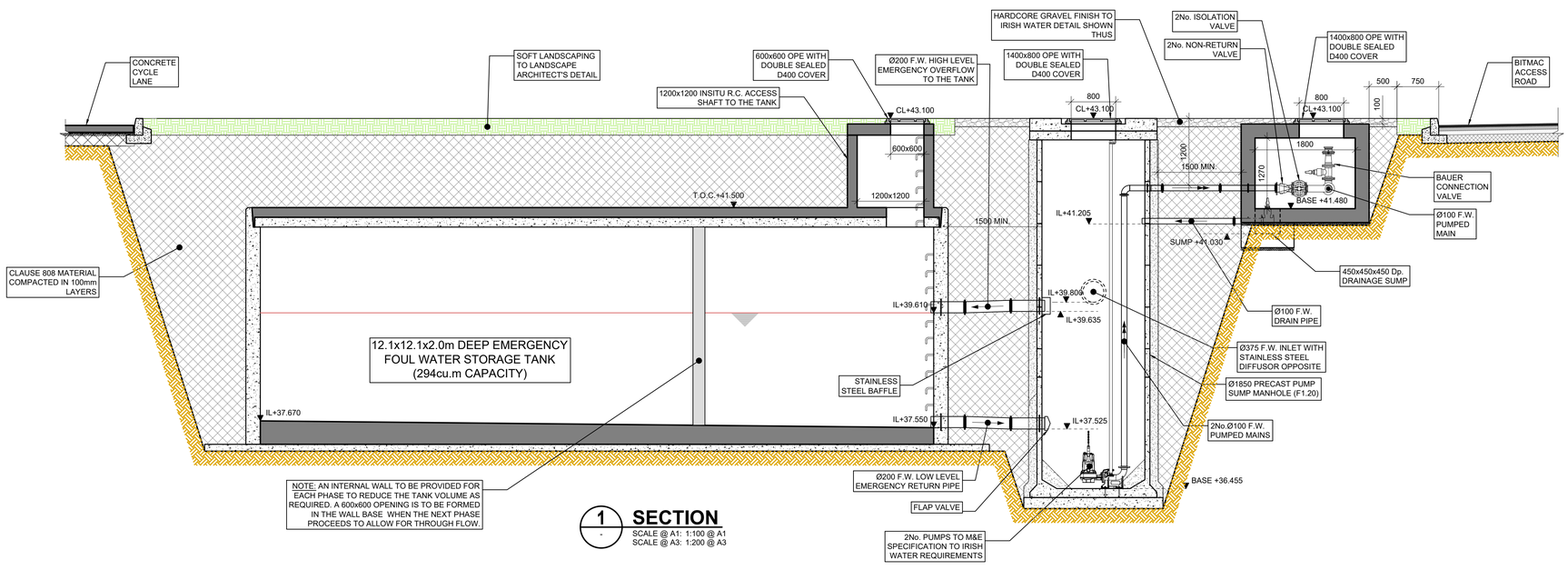


F.W. LIFTING STATION PLAN DETAILS

SCALE @ A1: 1:50
SCALE @ A3: 1:100

NOTE: MAX. PUMPED FLOW RATE = 3 DWF = 15.4 l/sec TO IRISH WATER REQUIREMENTS. LIMITATION OF FLOW STEPPED IN LINE WITH PHASING OF THE DEVELOPMENT.



NOTE: AN INTERNAL WALL TO BE PROVIDED FOR EACH PHASE TO REDUCE THE TANK VOLUME AS REQUIRED. A 600x600 OPENING IS TO BE FORMED IN THE WALL BASE WHEN THE NEXT PHASE PROCEEDS TO ALLOW FOR THROUGH FLOW.

1 SECTION

SCALE @ A1: 1:100 @ A1
SCALE @ A3: 1:200 @ A3

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECT'S DRAWINGS.FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - 'ASK'.
2. CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

Emergency 24h Storage Volume Calculation for the whole development

1. 980no residential unit storage = (980-333) x 0.446/2 + 139 = 283.3m^3
2. Creche (75 children + 15 staff) = 4.9 m^3
3. Retail 1500m^2 = 4.1 m^3
4. Other uses (offices etc) = 2.1 m^3

Total = 294m^3

Max Allowable Pump Rate = 3DWF for the whole development.

1. 980no residential units 3DWF = 446 x 980 x 3/ 3600 x 24 = 15.1 l/s
2. Creche 3DWF = 0.17 l/s
3. Retail 3DWF = 0.10 l/s
4. Other Uses 3DWF = 0.05 l/s

Maximum = 15.4 l/s

ISSUE	DATE	DESCRIPTION	BY
PL4	09.03.22	ISSUED FOR PLANNING	WK
PL3	17.12.21	ISSUED FOR COMMENT	WK

Project Engineer: | Project Director:

BM STAGE
PLANNING

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CLIENT
LAND DEVELOPMENT AGENCY

PROJECT TITLE
DUNDRUM CENTRAL DEVELOPMENT

BM PROJECT No.
20.170

MODEL | REFERENCE | SUITABILITY | REVISION

DRAWING TITLE
FOUL WATER LIFTING STATION DETAILS SHEET 1 OF 2

DWG | DRAWING REFERENCE **DCD-BMD-00-00-DR-C-1220** | STATUS | REVISION **PL4**