



- NOTES:
- CONTRACTOR TO ALLOW FOR ALARM SYSTEMS LINKED TO SIM CARD NOTIFICATION GSM & SYSTEM.
  - PUMPING STATION TO BE DESIGNED IN ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS FOR SEWAGE PUMPING STATIONS.
  - THE PUMPS, ONE DUTY, ONE STANDBY SHALL BE OF THE CENTRIFUGAL, UNCHOKEABLE, SUBMERSIBLE TYPE.
  - PUMPS TO BE 3 PHASE DUTY/STANDBY ARRANGEMENT MIN. SOLIDS HANDLING SIZE TO BE 80mm.
  - PUMP TO BE EQUIPPED WITH QUICK RELEASE COUPLINGS COMPLETE WITH GALVANISED GUIDE RAILS, LIFTING CHAINS, CABLE SUSPENSERS AND CHAIN HOOKS.
  - ALL PIPE WORK SHALL BE DUCTILE IRON, COMPLETE WITH FLANGED COUPLINGS AND BENDS AS REQUIRED.
  - ALL PIPE WORK SHALL BE ADEQUATELY BRACED AND ASSEMBLED WITH ZINC PLATED BOLTS, NUTS WASHERS AND GASKETS.
  - KIOSK BASE WILL BE R.C. 200mm DEEP. LOCATION OF DUCTS INSERTS TO BE AGREED WITH CIVIL/M&E CONTRACTOR PRIOR TO INSTALLATION.
  - A MAGNETIC FLOW METER SHALL BE INSTALLED IN A SEPARATE CHAMBER ADJACENT TO THE VALVE CHAMBER.
  - ALL ACCESS COVERS/FRAMES TO BE HINGE AND LOCKABLE TYPE D400 TO BS EN 124. LIDS SHOULD BE SEALED TO PREVENT ODOURS.
  - DRAWINGS TO BE READ IN CONJUNCTION WITH STRATEGIC SITE SERVICES LAYOUT DRG.
  - DUCTILE IRON PIPEWORK ENTERING THE WET-WELL TO BE CAST INTO WALLS WITH PUDDLE FLANGES ON THE PIPEWORK.
  - DAWIT POINT TO BE AGREED ON SITE WITH M&E CONTRACTOR.
  - 3 PHASE POWER SUPPLY TO KIOSK TO BE BROUGHT BY OTHERS
  - GROUNDWATER TABLE LEVEL ASSUMED 2.5m BELOW GROUND LEVEL.
  - PE DIAMETERS ARE TO OUTSIDE OF PIPE. REFER TO MANUFACTURER'S INFO FOR INTERNAL DIAMETERS

**MANUFACTURERS NOTES**

- +PLEASE VERIFY THE SUITABILITY OF THE ORIENTATION OF THIS TANK PRIOR TO ORDERING
- +MINIMUM BASE PREPARATION 300mm CL804 / CRUSHED STONE WELL COMPACTED & LEVEL
- +PLEASE ENSURE ADEQUATE ANTI TRENCH COLLAPSE MEASURES ARE IN PLACE PRIOR TO INSTALLATION.
- +PLEASE ADVISE CPT LTD IF A HIGH WATER TABLE IS PRESENT.
- +INDIVIDUAL TANK DIMENSIONS AVAILABLE ON REQUEST

**Capacity below invert:**  
**Pump Chamber: 16m<sup>3</sup>**  
**2 No. Overflow tank: 46m<sup>3</sup>**  
**TOTAL = 62m<sup>3</sup>**

REV.	DATE	DESCRIPTION	DWG	DCG	CHKD.
A	09-10-19	PLANNING SHD STAGE 3			

**PLANNING SHD STAGE 3**

DESIGNED	DCG	PREPARED	DJG
DATE	DEC 2018	CHECKED	DJR



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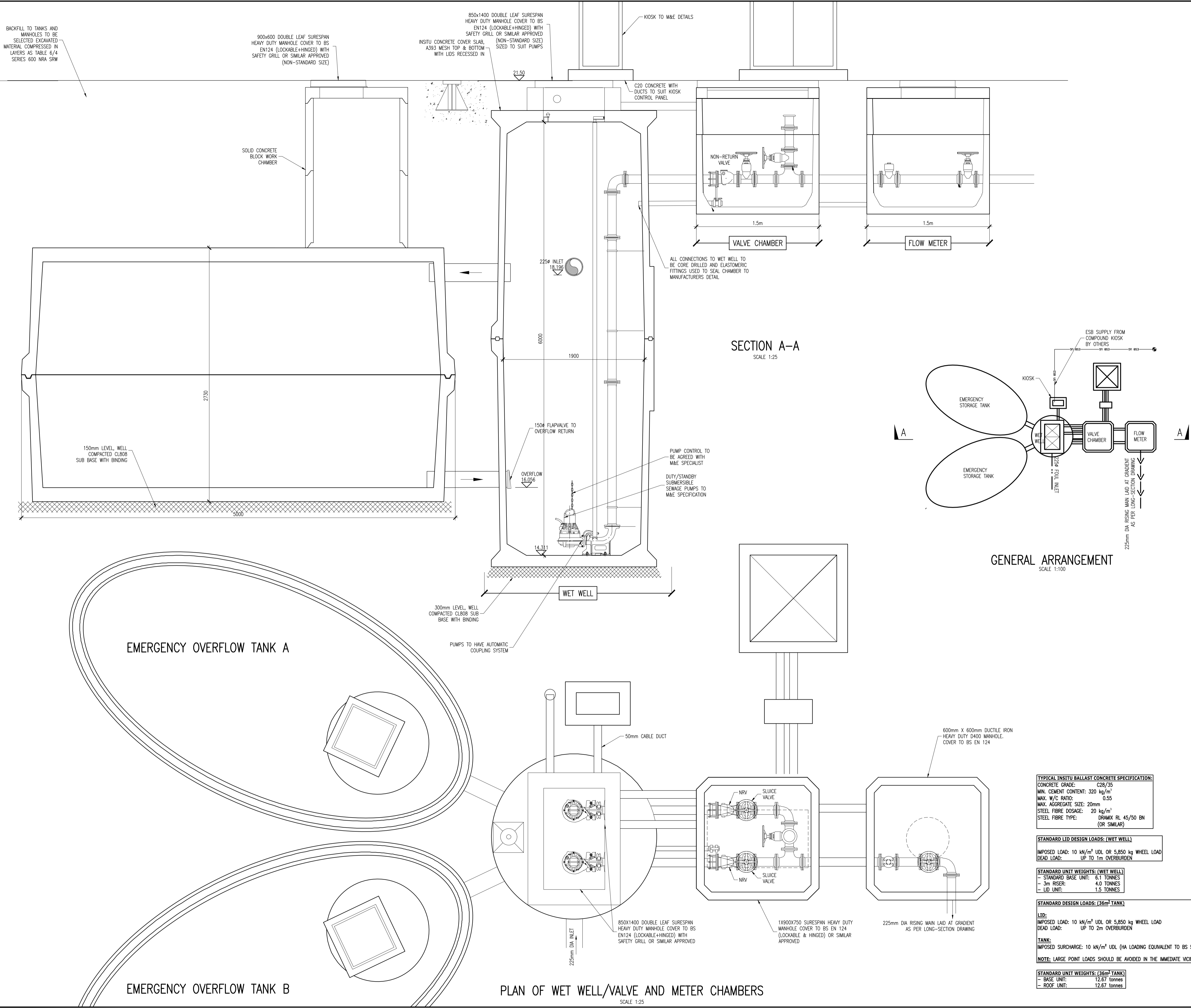
PROJECT  
**STRATEGIC HOUSING DEVELOPMENT AT COLPE WEST, DROGHEDA, CO. MEATH**

DRG. TITLE  
**FOUL PUMPING STATION GENERAL ARRANGEMENT**

CLIENT  
**SHANNON HOMES DROGHEDA LTD.**

SCALE AS SHOWN @A1 FILE REF. 170092-3065

DRG. NO. 170092-3065 A



**TYPICAL INSITU BALLAST CONCRETE SPECIFICATION:**  
 CONCRETE GRADE: C28/35  
 MIN. CEMENT CONTENT: 320 kg/m<sup>3</sup>  
 MAX. W/C RATIO: 0.55  
 MAX. AGGREGATE SIZE: 20mm  
 STEEL FIBRE DOSAGE: 20 kg/m<sup>3</sup>  
 STEEL FIBRE TYPE: DRAMIX RL 45/50 BN (OR SIMILAR)

**STANDARD LID DESIGN LOADS: (WET WELL)**  
 IMPOSED LOAD: 10 kN/m<sup>2</sup> UDL OR 5,850 kg WHEEL LOAD  
 DEAD LOAD: UP TO 1m OVERBURDEN

**STANDARD UNIT WEIGHTS: (WET WELL)**  
 - STANDARD BASE UNIT: 6.1 TONNES  
 - 3m RISER: 4.0 TONNES  
 - LID UNIT: 1.5 TONNES

**STANDARD DESIGN LOADS: (36m<sup>3</sup> TANK)**  
 LID:  
 IMPOSED LOAD: 10 kN/m<sup>2</sup> UDL OR 5,850 kg WHEEL LOAD  
 DEAD LOAD: UP TO 2m OVERBURDEN

**STANDARD UNIT WEIGHTS: (36m<sup>3</sup> TANK)**  
 - BASE UNIT: 12.67 tonnes  
 - ROOF UNIT: 12.67 tonnes

NOTE: LARGE POINT LOADS SHOULD BE AVOIDED IN THE IMMEDIATE VICINITY OF THE TANK