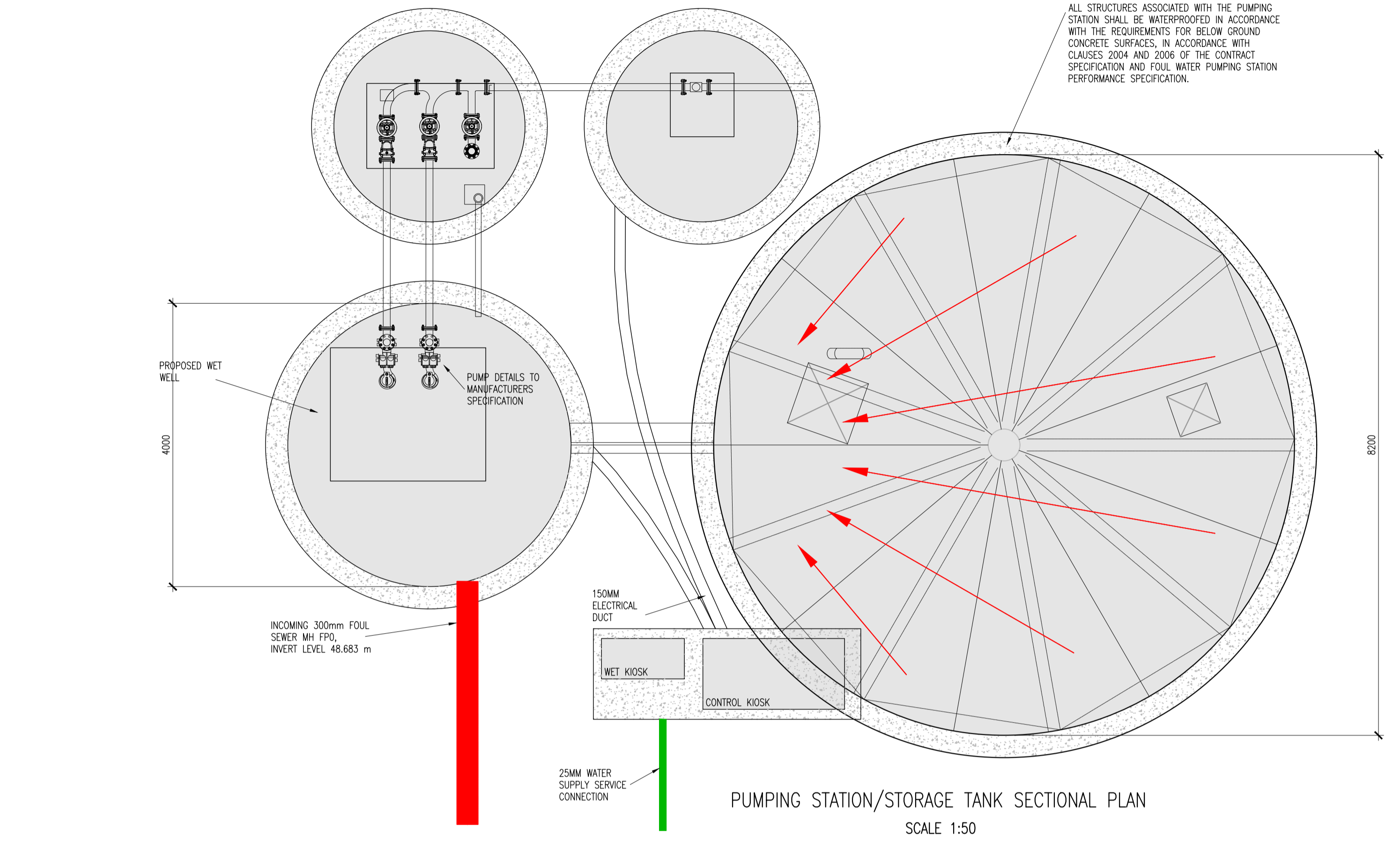
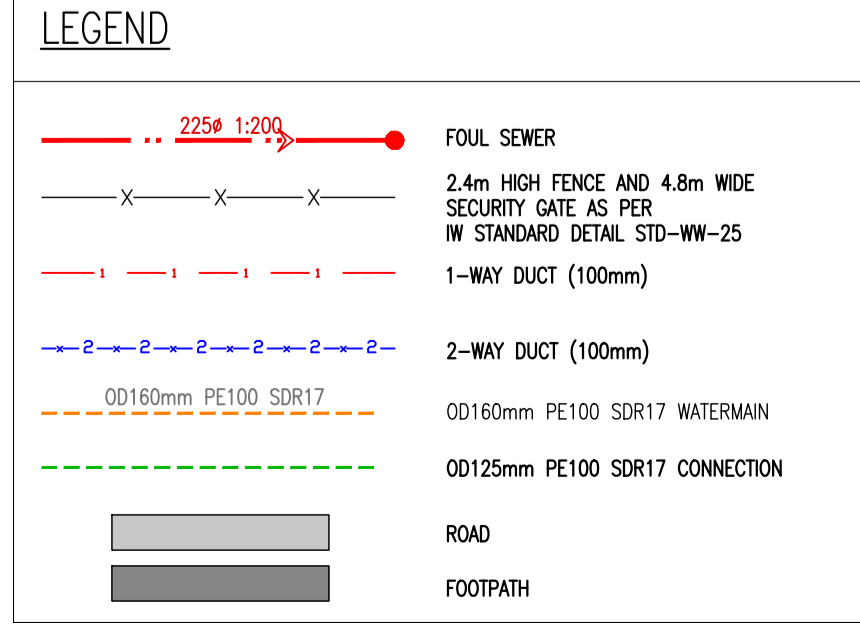
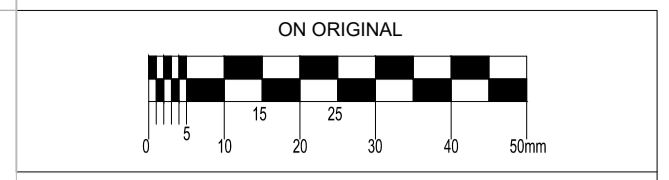
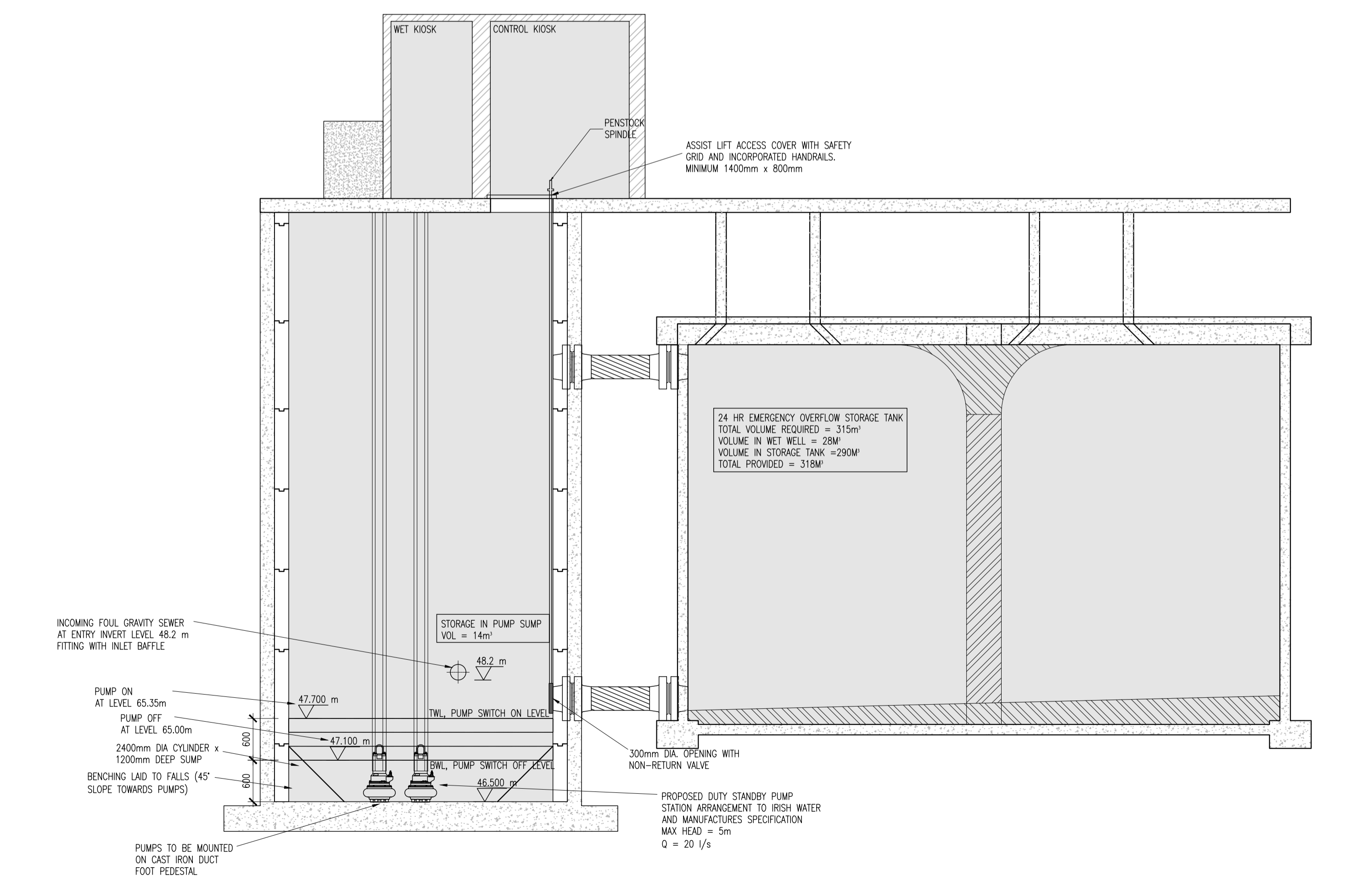


**FOUL PUMPING STATION LAYOUT** SCALE 1:25



**PUMPING STATION/STORAGE TANK SECTIONAL PLAN**  
SCALE 1:50



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- NOTES:**
1. ALL COORDINATES ARE TO THE ITM (IRISH TRANSVERSE MERCATOR) GEOGRAPHIC COORDINATE SYSTEM.
  2. ALL LEVELS ARE TO ORDNANCE DATUM IRELAND (MAIN HEAD).
  3. ALL DIMENSIONS ARE IN METRES UNLESS SPECIFIED OTHERWISE.
  4. ALL AGGREGATES PROPOSED FOR USE ON THIS SCHEME SHALL MEET FULLY THE REQUIREMENTS OF THE CONTRACT SPECIFICATION AND, IN ADDITION, THE REQUIREMENTS STATED IN STANDARD RECOMMENDATION SR 21:2015 - GUIDANCE ON THE USE OF IS EN 12622 + A1:2007 - AGGREGATES FOR UNBOUND AND HYDRAULICALLY BOUND MATERIALS FOR USE IN CIVIL ENGINEERING WORK AND ROAD CONSTRUCTION. FURTHER DETAIL IS PROVIDED IN ADDITIONAL CLAUSE 144AR OF THE CONTRACT SPECIFICATION.
  5. ALL MATERIAL DISPOSED OFF SITE SHALL BE TAKEN TO A LICENSED FACILITY APPROVED BY THE OVERSEEING AUTHORITY.
  6. PRIOR TO THE INSTALLATION OF ANY PIPED SERVICES OR ACCESS POINTS ROUTED NEAR TREES OR HEDGES, THE INSTALLATION CONTRACTOR IS TO PREPARE A METHOD STATEMENT, IN CONJUNCTION WITH THE PROJECT ARBORCULTURALIST AND ENGINEER, FOR THE INSTALLATION OF THESE SERVICES OR ACCESSES WHILE PROVIDING PROTECTION TO THE EXISTING TREE VEGETATION SHOWN FOR RETENTION.

- DRAWING SPECIFIC NOTES:**
1. ALL WATER / WASTEWATER INFRASTRUCTURE ON THESE DRAWINGS HAS BEEN DEVELOPED IN ACCORDANCE WITH THE CURRENT REVISION OF THE IRISH WATER CODE OF PRACTICE FOR WATER / WASTEWATER INFRASTRUCTURE.
  2. ALL DESIGNED WATER / WASTEWATER INFRASTRUCTURE ELEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT REVISION OF THE IRISH WATER CODE OF PRACTICE FOR WATER / WASTEWATER INFRASTRUCTURE STANDARD DETAILS AND SPECIFICATION.
  3. FOUL PUMPING STATION, TO COMPLY WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.
  4. PUMPS TO BE INSTALLED TO MANUFACTURERS DETAILS & SPECIFICATION.
  5. PUMP MANUFACTURER TO SUPPLY DETAILS OF STANDARD ANNUAL MAINTENANCE FOR PUMPS.
  6. PUMP MANUFACTURER TO SUPPLY DETAILS OF RECOMMENDED SPARE PARTS FOR 25 YEARS OPERATION.
  7. PUMPING STATION TO BE COMPLETELY ENCLOSED WITH SECURE PALMION FENCING AND LOCKABLE GATES AT ACCESS POINT AS SHOWN.
  8. WARNING SIGN TO BE MOUNTED ON GATE. SIGN TO HAVE BLACK TEXT ON YELLOW BACKGROUND AND INDICATE "DANGER KEEP OUT - ELECTRICAL EQUIPMENT & DEEP TANKS".
  9. PUMPING FACILITY TO BE SUITABLY LANDSCAPED TO ARCHITECTS DETAILS.
  10. GALVANISED STEEL ACCESS COVER TO BE PROVIDED ON ALL CHAMBERS WITH NON-SLIP SURFACE. ALL ACCESS COVERS TO BE HINGED AND LIFT ASSISTED. ALL COVERS TO BE LOCKABLE. CHAMBER COVERS TO COMPLY WITH BS EN 124.
  11. DOWLS & SOCKETS TO BE GALVANISED.
  12. LIFTING CHAINS, TACKLE AND SOCKETS SHOULD BE RATED TO LIFT TWICE THE WEIGHT OF EACH PUMP UNIT WITH A MINIMUM RATING OF 500kg, SAFE WORKING LOAD.
  13. ALL METAL EQUIPMENT ON THE PUMP STATION SITE TO BE BONDED TO EARTH. EARTH ROD WITH INSPECTION PIT TO BE INSTALLED.
  14. MINIMUM PUMP CUT-OUT LEVEL TO BE ABOVE THE TOP OF THE PUMP MOTORS.
  15. LEVEL DETECTION TO BE ULTRASONIC AND HAVE SUITABLE CONNECTIONS TO STANDARD LOGGERS / SCADA SYSTEMS.
  16. VENT STACKS TO BE FITTED WITH ANTI-BIRD COWLS.
  17. CONTINUOUS CONCRETE FOOTPATH TO BE PROVIDED AROUND KIOSKS AND PUMP STATION.
  18. ALL DUCTING FROM PUMP CHAMBER TO BE SEALED AIRTIGHT.
  19. ELECTRICAL REQUIREMENTS TO MEET IRISH WATER CODE OF PRACTICE FOR WASTEWATER.
  20. TELEMETRY TO BE PROVIDED FOR PUMPING STATION TO MEET IRISH WATER REQUIREMENTS.
  21. PUMPING STATION TO HAVE REMOTE/ALARM MONITORING TO MEET IRISH WATER REQUIREMENTS.
  22. PUMPS TO BE DUTY/STANDBY SUBMERSIBLE SUITABLE FOR RAW, UNSCREENED DOMESTIC SEWAGE.
  23. PUMPS TO BE MOUNTED ON A CAST IRON COUPLING/QUICK-FOOT PEDESTAL.
  24. ALL PIPE WORK AND VALVES TO BE DUCTILE IRON TO IS EN 598 SUITABLE FOR USE WITH SEWERAGE WITH PN-16 FLANGES TO BS EN 1092-1.
  25. VALVE CHAMBER TO INCLUDE FEMALE BAUER CONNECTION AND SLUICE VALVE ON A TEE FOR PUMPING DOWN THE PUMP STATION.
  26. PUDDLE FLANGES TO BE USED TO ENSURE A SEAL BETWEEN PIPES AND IN-SITU CONCRETE WALL.
  27. ALL IN-SITU CONCRETE TO BE C30/37 TO IS EN 206.

P03	09-06-22	PLANNING SUBMISSION	DKE	NGH
P02	07-04-22	New Arch Layout Pump Station location	PLY	NGH
P01	14-10-21	PRELIMINARY PUMP STATION DESIGN	PLY	NGH
rev	date	description	by	chkd.
		A - Approved		
		B - Approved with comments		
		C - Do not use		

client approval: S4 - STAGE APPROVAL PLANNING

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project ref: **BALLYOULSTER KDA SHD - PHASE 1 RESIDENTIAL DEVELOPMENT**

drawing title: **FOUL DRAINAGE PUMPING STATION EXAMPLAR DESIGN**

client: **KIERAN CURTIN, RECEIVER OVER CERTAIN ASSETS OF MAPLEWOOD DEVELOPMENTS UNLIMITED COMPANY**

designed by	author	scale	sheet size
PLY	PLY	AS SHOWN	A1
drawing no.			revision
180221-DBFL-FW-SP-DR-C-9420			P03