Job Title	Design Engineer		
Department	Public Works	Section	Design
Reports to	Design Manager		
Grade	Falkland Islands Government Grade B	**Job Code:**	TBC

Overall Purpose of the Role

The Design Engineer plays a key role in supporting the design and drafting needs of the Public Works Department. This role will involve assisting the Design Manager and other members of the Design team in the preparation of technical designs and reports, (structural, infrastructure, etc) and with completion of contract documentation as required.

Main Accountabilities

Technical Calculations, Drawing & Drafting

- Preparation of designs, (including production of drawings) for construction/ infrastructure projects, (building and civil), to enable the works to be built efficiently and economically.
- Prepare detailed technical drawings, schematics and plans as required.
- Update and modify existing drawings to reflect changes in project specifications and site conditions.
- To deputise for the Design Manager in all technical aspects of civil, infrastructure and structural design.
- Prepare structural designs and calculations for simple designs in timber, steel and concrete
- Prepare civil designs and calculations for drainage, roads, groundworks etc. projects.

Design Support & Collaboration

- Preparation and management of contract documents for tender for construction/infrastructure projects as required.
- Collaborate with members of the Design team to ensure accuracy and consistency in all design outputs.
- Assist the Surveyor where required with the collection of data for the production of land plans, conveyances and updating ordinance survey maps required by PWD departments, the Legal department and private sector.
- When required work with the survey team to carrying out of topographic surveys as required.
- Contribute to the development of design concepts and help translate ideas into technical drawings.

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Main Accountabilities continued

- Work in close partnership, and collaborate with, other FIG Departments and contractors and provide input into technical meetings.
- Carry out required stakeholder engagement as required and incorporate into deliverables.
- Liaise with clients and identified stakeholders over the detail of their project requirements.
- Carry out building surveys as a basis for modification / refurbishment (where required)

Project Documentation & Compliance

- Ensure all drawings and designs adhere to relevant industry standards, regulations, and codes, including those specific to public sector infrastructure projects.
- Maintain organised records of drawings, revisions, and project documentation in line with departmental procedures.
- Prepare visual aids, presentation materials, and reports for stakeholder meetings and public consultations.

Continuous Learning & Development

- Stay updated with new software and techniques in design and drafting, participating in relevant training as required.
- Seek opportunities for professional development, including training on public sector design standards and sustainability practices.
- Contribute ideas for improving departmental processes.

The job description is not an exclusive or exhaustive definition of your duties. You shall undertake such additional or other duties as may reasonably be required by FIG commensurate with your role and grade.

Additional Information

The position offers a great opportunity for professional growth and development within the Design team.

You will have the opportunity to carry out hands on work from the outset of your appointment and be given increasingly more responsibility.

Person Specification	Design Engineer

NB Equivalent combinations of educational qualifications and experience may be considered.

Criteria	Essential	Desirable	Assessment Method
Knowledge, Skills & Experience			
10 years' relevant experience, in a design role, ideally within an engineering, architectural, or public works context	✓		A/I
A good understanding of design principles, engineering concepts, and construction processes	✓		A/I/R
Ability to produce clear, accurate drawings and technical documentation using relevant design software.	✓		A/I/R
Computer literate (MS Suite)	✓		A/I/R
Well organised; able to be work effectively on a range of different tasks simultaneously	✓		A/I/R
Good interpersonal skills and good verbal, reasoning and written communication skills	✓		A/I/R
High proficiency in using CAD and other engineering software (Experience in using KTF or Civil 3D is desired). 5 – 10 years' experience using relevant software.	✓		A/I/R
Must be numerate and have the ability to perform calculations related to, as a minimum, dimensions, area, and volume as well as possess an aptitude for technical matters. Experience with more detailed structural or engineering calculations desirable.	✓		A/I/R
Keen attention to detail and a commitment to producing high-quality work.	✓		A/I/R
Ability to think logically and clearly	✓		A/I/R
Able to maintain confidentiality at all times	✓		I/R
Ability to think laterally and creatively to generate pragmatic solutions, as well as being able to lead design discussions	✓		I/R
Ability to work effectively alone and as part of a multidisciplinary team	✓		I/R
Good knowledge of relevant building codes, regulations, and standards used in public works projects.	✓		A/I/R
Good working knowledge of CDM and importance of H&S	✓		A/I/R
Project Management experience		✓	A/I/R
Experience in managing (including training) others		✓	A/I/R
Experience in civil and structural design and calculations for simple designs in timber, steel and concrete (using relevant software and hand calculations)	✓		A/I/R

Person Specification	Design Engineer		
Criteria	**Essential**	**Desirable**	**Assessment Method**
Personal Attributes			
Pro-active and flexible	✓		I/R
An interest in public sector projects and a desire to contribute to community development. Experience working on public sector project desirable.	✓		I
Aligns with FIGs Core Values – Diverse, Professional, Resilient & Resourceful	✓		I/R
Qualifications & Training			
Bachelor's Degree (or equivalent i.e. NVQ Level 5) or other evidence of this level of ability (e.g. training record and job experience)	✓		A
Current driving licence	✓		A
A member of an institution (i.e. ISTRUCTE or ICE) – Chartered or close to chartership	✓		A
Relevant experience and certifications in CAD/ draughting software (e.g., AutoCAD, Revit, Civil 3D)	✓		A
A training record (including courses and CPDs) showing development to gain knowledge and experience of concepts and principals of engineering field		✓	A/I
Note to Applicants: Please ensure that you demonstrate your ability to meet the requirements of the job in your application form by giving clear, concise examples of how you meet each criterion.			

Method of Assessment:

A - Application Form I - Selection Interview R – Reference O - Other