

Geotechnical and Structural drawings to be read in conjunction with any relevant Architectural, Civil, Mechanical, Electrical or Other

drawings. Any errors or discrepancies are to be reported to the The Contractor to keep a full set of drawings on site. Drawings are

not to be scaled; use figured dimensions only. Large scale details to

The Contractor is solely responsible for correctly setting out the site with particular reference to the site boundaries and building lines.

Piles, pile caps, columns, beams, etc. are central on grid lines unle Contractor to check all dimensions and levels prior to commencing

inspections, no Stability / Completion Certificate.

Piles to be set out from the building grid. Setting out of the building Initial setting out of the pile positions and checking thereof after

installation shall be carried out by a registered Land Surveyor. Pile design based on skin friction in accordance with geotechnical information presented in DRENNAN MAUD cc Report Ref. P22649.

All piles to be grout-injected continuous-flight auger (CFA) piles

Pile capacities to be based on 6MPa of the pile cross-sectional area All concrete to have a minimum compressive strength of 35MPa at

Grout mix design to be submitted to Engineer for approval prior to Only Engineer-approved grout mixtures and admixtures to be used.

Piles to be reinforced in accordance with the Specification.

1. Indicated pile lengths to be taken from existing ground level (EGL) 12. Details of earthworks to be confirmed prior to commencement of

piling. (Where piles are installed in areas of fill the downdrag force are to be taken into account when calculating final pile lengths.)

individual piles are restrained in both directions. 14. Tolerances shall be Degree of Accuracy II (SANS 1200F), except the piles shall not be more than 50mm from the designed position.

P15. Deviations of the final from the initial surveyed pile positions are to be reported to the Engineer prior to pile cap construction.

17. If any pile is damaged during installation such that its usefulness as pile is impaired, it shall be replaced or strengthened by the installation

remedial measures in this regard shall be borne by the Contractor. 18. 100% of the piles shall be integrity tested and the pile test reports shall be submitted to the Engineer for approval prior to

P19. If any pile fails during integrity testing, it shall be replaced or strengthened by the installation of a new pile or piles, all as directed by the Engineer. The cost of all remedial measures in this regard

The Contractor shall produce the specified standards of workma necessary to implement the design in the actual conditions encountered so that the piles and pile caps carry the design loads in 22. In the event of failure of any pile, the Contractor shall make good the

same at his own expense and shall indemnify the Employer against any loss or damage to any structure and any injury to any person

commencement of excavation of the CPW, a registered Land Surveyor is to set out bench marks at the capping beam at 5.0m c/o During excavation to Ground Floor level, the capping beam bench marks are to be surveyed daily and the cumulative results of the

Following completion of installation of the soil nails at Ground Floor level, construction of the Waler Beam, Anchor Testing, and excavation of the CPW to Basement Parking level; the Surveyor is to set out 1 bench mark every 7No. piles at the mid-span of the piles exposed between the Ground Floor and Basement Parking levels.

the survey are to be forwarded to the Engineer for the purpose of Following completion of the Basement Parking level layerworks, the capping beam and pile bench marks are to be surveyed 3No. days

capping beam and pile bench marks are to be surveyed weekly. Following completion of the First Floor Suspended Slab, surveying The system shall be deemed to have failed if horizontal movement a

the capping beam exceeds 35mm, or 5mm midspan of the piles exposed between the waler beams and excavation base. Any vertical movement is to be reported to the Engineer immedia '10. Any cracks in the capping beam or piles during excavation are to be

services to be located and protected by the Contractor prior to

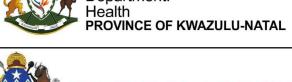
All excavations exceeding 1.5m in depth are to be suitably shored

and the excavation is safe for access by personnel and equipment. All excavations to be kept free of water at all times. On-site stormwater management is the responsibility of the Contractor durir

Fill to be rolled at the end of each day's work to ensure grade is such

GEOTECHNICAL ENGINEERS & ENGINEERING GEOLOGISTS







PORT SHEPSTONE HOSPITAL NEW PSYCHIATRIC WARD

FOUNDATION PILING