



Kabul Embassy Security Force (KESF) Task Order 10 Statement of Work Addendum

DEMOLITION, DISPOSAL AND REMOVAL (DDR) OF UNDERGROUND SEPTIC TANKS/SWIMMING POOLS AND BACKFILLING OF LAND

Task Order Exhibit L-03G Amendment 1

Detailed

Statement of Work

DDR and Fill for Vault-Underground Fuel Tank

Located at South Gate

Hole Numbers: 107G and 107S

Introduction:

The fuel tank installed by the US military was covered with a steel plate. It was not until the steel lid was removed that it was possible to assess the scope of work required to mitigate the impact this would have on the Physical Security Upgrades. The north/South wall on the camp side will bisect this underground fuel tank area, hence, the requirement for the mitigation through compacted fill.

The contractor shall be responsible for the DDR of the concrete vault near South Gate. All existing fuel tanks and associated piping, steel and equipment will be removed by others prior to the notice-to-proceed (NTP). Contractor shall DDR the concrete vault vertical walls to a depth one point two (1.2) meters, (4'.00") below existing grade on the longitudinal sides and to a depth of one point two (1.2) meters on the lateral sides (perpendicular to Front Street). Drain holes shall be 60 cm in diameter. The holes shall be centered and equally spaced along the longitudinal axis of the concrete vault floor. Subcontractor shall backfill the bottom of the concrete vault to a depth of three (3) meters with #21A aggregate or approved equal. Aggregate backfill shall occur in maximum 20 cm controlled lifts and compacted to 95% density per ASTM C 128.

Upon completion of the aggregate backfill, a geotextile filter fabric (soil filter) shall be placed to completed cover the aggregate backfill surface prior to the introduction of engineered fill.

The contractor shall then backfill to grade with engineered fill in controlled lifts. Engineered fill material must meet the requirements stated in in ASTM D 2487. Soils classified as GW, GP, GM, SP, and SW are satisfactory for engineered fill. Materials classified as GC, SC, ML, and CL are unsatisfactory for engineered fill. The plasticity index shall be less than 12 and the liquid limit shall be less than 35. Particles shall not be larger than 75 mm in any dimension, with 70 percent to 100 percent passing the 19 mm sieve. Not more than 25 percent by weight shall pass the 0.075 mm (No. 200) sieve. Sieves shall conform to ASTM E11. Cohesionless materials include materials classified in ASTM D 2487 as GW, GP, SW, and SP. Materials classified as GM and SM will be identified as cohesionless, and acceptable, only when the fines are non-plastic. Perform testing, required for classifying materials, in accordance with ASTM D 4318, ASTM C 136, ASTM D 422, and ASTM D 1140. A representative sample of the engineered fill material, as previously defined, shall be tested and approved by an USACE Certified Laboratory.

1. Backfill of engineered fill shall be completed in controlled lifts of 8 inches loose (un-compacted) fill. Compacted lifts cannot exceed 6 inches after meeting 95% dry density per ASTM D 698 Standard Procter requirements. Subcontractor shall test engineered fill in accordance with the QA/QC Plan. Once compacted and tested fill has passed the

Attachment 08
Demolition, Disposal and Removal (DDR) Underground Septic Tanks/Swimming Pools and
Backfilling of Land: WPS Task Order 10 Exhibit L-03B Amendment 1

aforesaid testing criteria the second lift of loose fill can be placed and compacted and then tested. This procedure will continue until achieving the matching existing grade.