

In Malakal, Upper Nile, IOM is responsible for care and maintenance and site planning of the Malakal Protection of Civilian (PoC) site. During the second half of the year, IOM engineering teams engaged in a range of site infrastructure construction, upkeep, and rehabilitation to ensure the continued hygienic living conditions of IDP residents and the continuation of humanitarian operations.

Total engineering works comprised



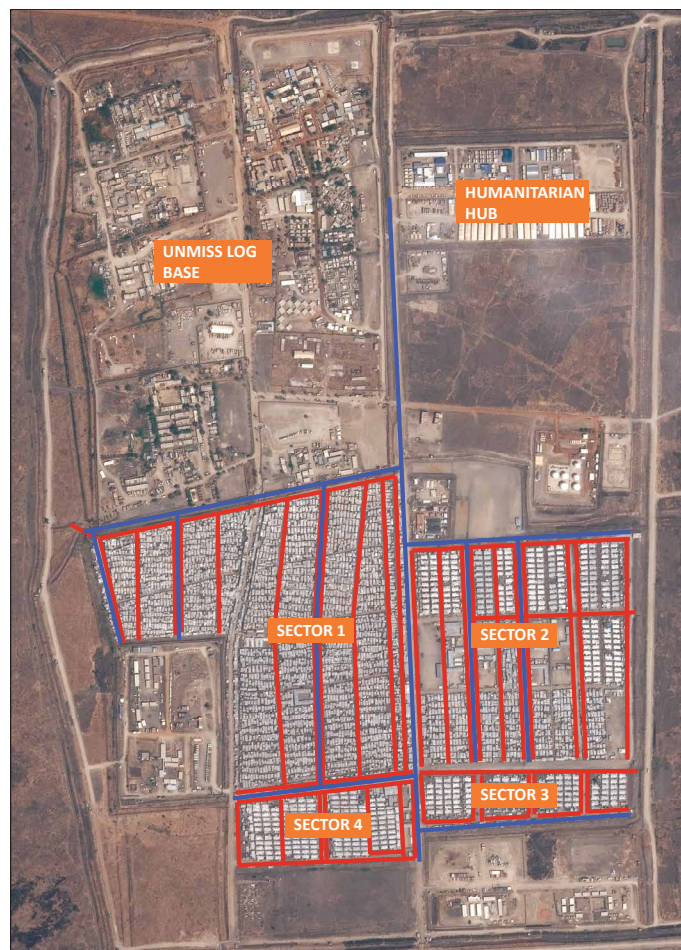
27,320 m²
of site cleared



3,870 m³
of earthworks



Road repair in Sector 2. IOM/Makhatsa 2017.



Malakal PoC Drainage Rehabilitation Map. IOM/2017.

 drainages rehabilitated  roads rehabilitated

Malakal PoC Satellite Imagery, March 2017, Produced by UNITAR-UNOSAT
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2018 Site Rehabilitation Planning

Subsequent rounds of population influx into and outflows out of the Malakal PoC site have left the site with clusters of irregular settlements, uneven access to common infrastructure, and a general underutilization of available living space.

Building on its experience rehabilitating Wau and Bentiu PoC Sites, and in cooperation with camp management Agency Danish Refugee Council (DRC), UNMISS, the CCCM Cluster, and the IDP community, IOM C&M teams finalized plans for a site rehabilitation.

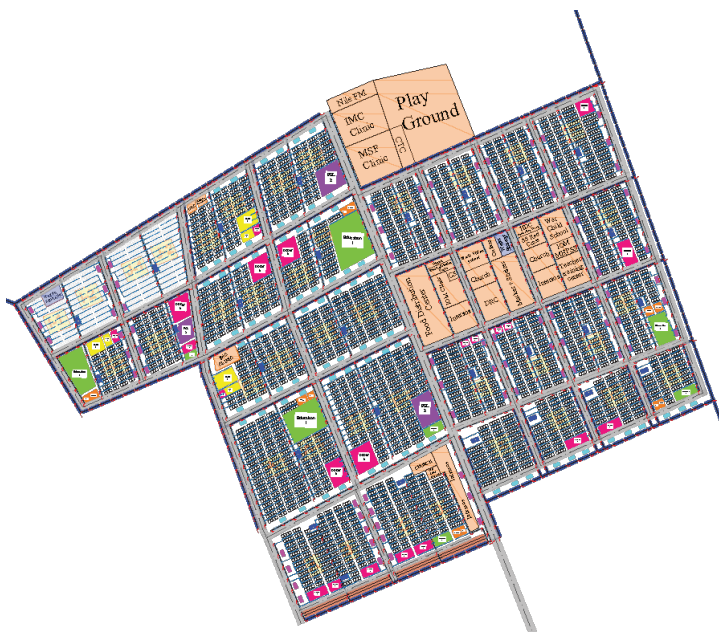


1 Topographic Assessment Conducted



1 Site Plan Developed

Once donor funding has been secured, CCCM teams stand ready to begin the first round of rehabilitation.



Completed the plan for reconfiguration of Malakal POC. IOM/2017.

Rainy Season Flood Response: External Common Infrastructure

CCCM’s rehabilitation of the drainage system in the first half of the year prevented any major flooding inside the PoC. Weekly drainage clearance and good design prevented torrential rains from damaging inside the PoC. However, a nearby river overrunning its banks washed away access roads to essential humanitarian infrastructure outside the PoC:

Aggregate Quarry: Source of soil and rock for infrastructure construction and stabilization

Waste Facility: Sanitary dumping site for waste produced by IDP population.

CCCM care and maintenance teams ensured access to these sites by an emergency repair of access roads, flood water pumping, and the digging of diversion dikes to route water away from this key infrastructure.



Setting out and pumping water from the road towards Liquid waste water stabilization pond outside base before rehabilitation. IOM/Makhatsa 2017.

Rainy Season Flood Prevention: PoC

Following the rehabilitation of drainage systems in the first half of the year, IOM engineering teams led the upkeep and operation of flood prevention measures including operation of pumping stations, community maintenance of drainages, and coordination with camp management and WASH partners to conduct messaging on community infrastructure upkeep. Through these measures, no major flooding occurred in residential areas in the PoC.

 **3,494m** Drainage Rehabilitated

 **8,204 m³** Major Drainage Installed

 **24** Culverts Installed



Installation of drainage culverts prior, IOM/Makhatsa 2017.

Humanitarian Hub Road Repair

Housing humanitarian workers, logistics and warehouses, and agency offices, the Humanitarian Hub is the home base of the multi-sector Malakal response. CCCM care and maintenance teams contributed heavy machinery and engineering expertise for the rehabilitation of roads that ensure all agencies can access their facilities.

 **2.38 kilometres** of road rehabilitated and maintained



Humanitarian hub road repair. IOM/Makhatsa 2017.

CCCM activities supported by

