

SECTION 02240 – DEWATERING

GENERAL

A. DESCRIPTION OF WORK:

1. Provide, install, and maintain all necessary material and equipment used to keep excavation free of standing or flowing water and to transport water to a suitable discharge point.
2. Provide measures to dispose of water in accordance with all local, state and federal regulations.
3. Related Work elsewhere includes:
  - Earthwork: – Section 02300
  - Erosion and Sedimentation Control: – Section 02370
  - Water Distribution: - Section 02510
  - Sanitary Sewerage: - Section 02530
  - Natural Gas Distribution: - Section 02551
  - Underdrain: - Section 02620
  - Storm Drainage: - Section 02630
  - Stormwater Treatment: - Section 02631

EXECUTION

A. General:

1. Perform all landside work in the dry. Prevent surface water or groundwater from flowing into excavations and from flooding project site and surrounding area. Do not allow water to accumulate in excavations.
2. Provide and maintain pumps, well points, sumps hoses and all other dewatering system components necessary to convey water away from excavations.
3. Convey water removed from excavations to a cofferdam sedimentation basin or siltation control device. Do not use trench excavations as temporary drainage ditches. Do not allow silt laden water to discharge to gutters.

B. Cofferdam Sedimentation Basin:

1. Basin shall be constructed to comply with the requirements of MDOT Erosion and Sedimentation Control BMP # 22 and MDOT Standard Detail 800(31).
2. Water shall drain in controlled fashion from the sedimentation structure trapping sediment within the containment.
3. All sediment trapped inside the containment basin shall be collected for disposal.

C. Siltation Control Device

1. Device shall be installed and operated in accordance with the manufactures recommendations.

\*\*\* END OF SECTION \*\*\*