



EXCAVATION DEWATERING
NOT TO SCALE

EXCAVATION DEWATERING NOTES:

MATERIALS

PUMP: SIZED FOR DESIGN FLOW IN CONTRACT, INTAKE LINE, FITTINGS, AND NOZZLES.

INTAKE STRUCTURES: RISERS, SCREENS, GRAVEL CONES, GRAVEL FILTER BERMS, GEOTEXTILE, OR EQUIVALENT,

CONVEYANCE SYSTEM: FLEXIBLE HOSE, WITH PROPER FITTINGS OR EQUIVALENT.

ENERGY DISSIPATER: PLASTIC SHEETING, RIPRAP, SANDBAGS, T-BAR SPREADER, OR EQUIVALENT.

TREATMENT: UPLAND VEGETATIVE AREA, PUMPED SILT CONTROL SYSTEM, OR TEMPORARY SEDIMENT TRAP.

INSTALLATION

1. INSTALL THE CONVEYANCE STRUCTURE. FOR PIPED CONVEYANCE, ENSURE THAT IT IS ADEQUATELY SECURED AGAINST MOVEMENT DURING PUMPING.
2. PLACE THE PUMP IN AN AREA DESIGNED FOR ITS USE AND OPERATION.
3. INSTALL SPILL PREVENTION BMPS PRIOR TO OPERATION.
4. INSTALL THE ENERGY DISSIPATER.
5. CONNECT THE CONVEYANCE STRUCTURE TO THE DOWNSTREAM DISCHARGE POINT.

INSPECTION

1. WHEN PUMPING, MONITOR PUMPS AND INTAKE AND DISCHARGE POINTS.
2. INSPECT THE CONVEYANCE STRUCTURE FOR LEAKS, EROSION, OR OTHER DEFECTS.
3. INSPECT THE TREATMENT CONTROLS FOR BYPASS, CLOGGING, AND SIGNS OF INADEQUATE TREATMENT.
4. INSPECT DISCHARGE POINT FOR EROSION OR FAILURE OF THE ENERGY DISSIPATION MATERIAL.
5. INSPECT THE EQUIPMENT AREA FOR PROPERLY STORED FUEL AND OTHER POTENTIALLY HAZARDOUS SUBSTANCES.

MAINTENANCE

1. REINFORCE, REPAIR, OR RESTORE ANY PORTION OF THE TREATMENT CONTROLS, CONVEYANCE SYSTEM, OR ENERGY DISSIPATER.

REMOVAL

1. REMOVE THE INTAKE HOSE.
2. REMOVE THE ENERGY DISSIPATER AND TREATMENT CONTROLS, IF THEY ARE NOT PART OF THE PERMANENT SITE FEATURES.
3. REMOVE THE CONVEYANCE SYSTEM.
4. AS REQUIRED, BACKFILL OR REGRADE THE CONVEYANCE SYSTEM ALIGNMENT AND TREATMENT AREA AND RESTORE TO ORIGINAL CONTOURS.
5. REGRADE AND SEED OR PERMANENTLY STABILIZE ALL DISTURBED AREAS.

REVISIONS		
Date	Description	By

State of Alaska DOT&PF

EXCAVATION DEWATERING

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Date 12/2015 X/XX/XX