

Job Hazard Analysis

(Always Wear Proper PPE)

Project:	Superintendent:
Task: MSE Berm Construction	Date:

Step	Potential Hazards	Safe Procedures/ Crew Responsibilities
Preparation		<ul style="list-style-type: none"> • Designate a Competent Person or persons • Review P3 (Preparation Planning Procedures) and Hazard Analysis with crew • Assess location and conditions* • Complete and review STA's daily
Proper layout/elevation		<ul style="list-style-type: none"> • Review plans and specs
Mark and locate existing utilities	Damage to underground utilities	<ul style="list-style-type: none"> • Notify Dig Safe and all non-member utilities prior to start • Maintain markings and mark utility locations on plans • Use hand tools to dig within 18" of the marked line until the utility is exposed
Relocate utilities when required	Injury to employee if live electric or gas line is hit	<ul style="list-style-type: none"> • De-energize electric lines if possible while locating
	Damage to overhead utilities	<ul style="list-style-type: none"> • Follow the 10' overhead clearance rule
	Test pit or trench cave-in	<ul style="list-style-type: none"> • Use proper sloping or shoring
	Falling or tripping into test pits or trenches	<ul style="list-style-type: none"> • Keep work area around test pits clean and free of trip hazards • Berm or barricade test pits • Use a ladder in good condition to access holes over 4' deep

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Relocate utilities when required continued	Materials falling into trench	<ul style="list-style-type: none"> • Keep spoil piles neat and at least 2' from edges of excavation
Excavate to subgrade	Personnel struck by equipment or trucks	<ul style="list-style-type: none"> • Ensure back up & travel alarms are working and loud enough • All employees wear high-visibility vests at all times • Maintain eye contact with operators and drivers • Give machines and trucks the right of way • Keep other workers a safe distance away from the operation
Erect MSE wall as specified	Strain from lifting roll of fabric or geo-textile	<ul style="list-style-type: none"> • Roll fabric out on flat surface and cut pieces as needed • NEVER attempt to lift the roll without help
	Cut with utility knife while cutting fabric or geo-textile	<ul style="list-style-type: none"> • People assigned to cut fabric are trained and qualified • NEVER cut in a direction towards any part of your body
	Injured by cutoff saws, tamps and other small tools	<ul style="list-style-type: none"> • Personnel must have proper training and/or experience before using small tools
	Falling from wall during construction	<ul style="list-style-type: none"> • All personnel have fall protection training • Eliminate slip and trip hazards • A fall prevention or protection system must be in place during assembly and backfilling of walls over 6 feet high • Use personal fall arrest system while installing or relocating the primary fall protection system • Use barricades to keep all personnel (except those using fall arrest) at least 15 feet from unprotected edges • Always barricade work area for nights and weekends
	Back strain from bending over for long periods	<ul style="list-style-type: none"> • Do stretching exercises before start and after breaks • Plan and set up the work to minimize bending and lifting • Do not lift over 50 lbs. without assistance
	Rigging failure	<ul style="list-style-type: none"> • Competent person inspects rigging and uses proper techniques

