

Job Hazard Analysis

(Always Wear Proper PPE)

Project:	Superintendent:
Task: Riprap Slope Stabilization	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		<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
	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
	Test pit cave-in	<ul style="list-style-type: none"> • Use proper sloping or shoring while locating existing utilities
	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
	Materials falling into trench	<ul style="list-style-type: none"> • Keep spoil piles neat and at least 2' from edges of excavation
	Damage to overhead utilities	<ul style="list-style-type: none"> • Follow the 10' overhead clearance rule

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Prepare slope subgrade	Equipment rollover	<ul style="list-style-type: none"> • Use proper equipment for slope • Machinery and personnel should work up and down the slope
	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 • Maintain a safe distance from equipment and stay uphill from machinery on slope
Prepare access for riprap delivery	Truck rollover	<ul style="list-style-type: none"> • Maintain berms along downhill side of access road • Keep access road level from side to side and be sure truck axels are level when dumping • Use radio communication and a spotter if necessary
Place fabric or geo-textile	Personnel sliding or falling on steep grade or in wet slippery conditions	<ul style="list-style-type: none"> • Wear sturdy work boots with ankle support and good tread • Work up and down rather than across the slope • Do not walk on frost covered riprap slopes
	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 • Wear gloves • Use a fabric safety knife when possible
Place riprap	Struck by rocks being placed on slope	<ul style="list-style-type: none"> • Always stay uphill of the rip rap placement operation

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Other Steps (if any):	Other Hazards:	<p>Other Safe Procedures:</p> <p>*1) If work is to be performed in a travel way, complete and follow ‘Work in Travel Way’ Job Hazard Analysis</p> <p>2) If Hazardous Materials are encountered, cease work, secure work area and notify Superintendent and/or appropriate personnel immediately</p>