

Job Hazard Analysis

(Always Wear Proper PPE)

Project:	Superintendent:
Task: Slurry Wall 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
Layout test holes and limits of wall		<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
	Injury to employee if live electric line is hit	<ul style="list-style-type: none"> • Use hand tools to dig within 18" of a marked line • De-energize and relocate lines in conflict with slurry wall
Excavate test holes and compare with boring reports	Tripping or falling into test holes	<ul style="list-style-type: none"> • Keep work area around test pits clean and free of trip hazards • Keep people a safe distance (at least 6') away from open holes
Determine if shoring will be needed	Test holes caving in	<ul style="list-style-type: none"> • Do not leave test pits unattended; backfill before leaving
Excavate slurry trench and side cast or haul off excess	Danger to the public	<ul style="list-style-type: none"> • Use proper signs and barricades to clearly delineate work area

Project:	Superintendent:
Task: Slurry Wall Construction	Date:

Step	Potential Hazards	Safe Procedures/ Crew Responsibilities
Excavate slurry trench and side cast or haul off excess continued	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
	Personnel hit by excavated materials	<ul style="list-style-type: none"> • Maintain a safe distance from loading and hauling operations • Truck drivers stay in haul unit while being loaded
	Slurry trench cave-in	<ul style="list-style-type: none"> • Initially add sufficient amount of water to trench to help maintain vertical walls
	Excavator or bull dozer falls into trench	<ul style="list-style-type: none"> • Use only experienced / qualified operators • Excavator operator does not undermine the machine • Use grade stakes to show push limits if dozer is used to backfill
	Person falls into trench	<ul style="list-style-type: none"> • Keep people a safe distance (minimum 10') away from trench • Have a ladder readily available
	Drowning hazard	<ul style="list-style-type: none"> • Have lifesaving ring with sufficient rope readily available
Mix Bentonite with excavation and water, and backfill trench	Eye or skin irritation caused by dust from dry bentonite	<ul style="list-style-type: none"> • Review MSDS with all employees • Try to locate Bentonite storage and mixing operations downwind of other workers • Use required eye and hand protection, and cover exposed skin
	Breathing Bentonite dust	<ul style="list-style-type: none"> • Mixing workers wear appropriate respiratory protection
	Slippery conditions caused by loose, wet Bentonite	<ul style="list-style-type: none"> • Eliminate slip and trip hazards in walking areas • Control excess water
	Stepping in soft slurry wall	<ul style="list-style-type: none"> • Barricade trench overnight and until slurry wall cap hardens

Project:	Superintendent:
Task: Slurry Wall Construction	Date:

Step	Potential Hazards	Safe Procedures/ Crew Responsibilities
Other Steps (if any):	Other Hazards:	Other Safe Procedures: