

Job Hazard Analysis

(Always Wear Proper PPE)

Project:	Superintendent:
Task: Staking/Survey	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 underground utilities	Damage to underground utilities	<ul style="list-style-type: none"> • Notify Dig Safe and non-member utilities prior to start • Do not drive stakes within 18" of a marked utility line
Review project plans, find stake location, install stakes and properly mark and flag stakes	Hit by equipment	<ul style="list-style-type: none"> • All equipment have working backup/travel alarms • All employees wear safety vests • Give right of way to equipment • Make eye contact with operator before approaching • Identify work area for personnel and instruments with high visibility markers
	Hit by traffic	<ul style="list-style-type: none"> • Set up proper traffic controls before working in traffic areas • Have assistance if you must have your back to traffic
	Falls from height	<ul style="list-style-type: none"> • Erect fall protection for instrument set up areas >6' high
	Stings or bites from bees, snakes or other animal	<ul style="list-style-type: none"> • Be aware of bees, snakes and other animals that may be present

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Review project plans, find stake location, install stakes and properly mark and flag stakes continued	Skin irritation from contact with poison oak or poison ivy	<ul style="list-style-type: none"> • Identify poison ivy and poison oak • Have first aid kit and person trained in first aid on site
	Injury from tripping over obstacles or uneven ground	<ul style="list-style-type: none"> • Be aware of ground conditions
	Slippery footing	<ul style="list-style-type: none"> • Wear proper foot gear with good ankle support and proper tread for the conditions
	Back strain	<ul style="list-style-type: none"> • Proper positioning when pounding stakes and frost pins • Hammer weight must be comfortable for the employee • Do not carry heavy or awkward loads (make more trips)
	Slivers from frost pins	<ul style="list-style-type: none"> • Wear good quality leather gloves
	Hit by chips off frost pins	<ul style="list-style-type: none"> • Inspect frost pins; file off burrs; do not use if defective
	Broken stakes-slivers	<ul style="list-style-type: none"> • Inspect stakes prior to driving; do not use damaged stakes • Use dry stakes • Make pilot holes with frost pin in dense soil or ledge • Don't aggressively pound stakes
	Missing frost pin or stake and hitting hand or leg	<ul style="list-style-type: none"> • Use a hammer of comfortable weight and in good condition • Do not use an axe or rock as a hammer
	Cut finger with barbs on end tape	<ul style="list-style-type: none"> • Do not hold tape by metal clasp with barbs
	Potential eye injuries from laser equipment	<ul style="list-style-type: none"> • Laser operator must be trained and certified • Post standard laser warning signs • Use antilaser eye protection for laser outputs > 5 miliwatts

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Other Steps (if any):	Other Hazards:	Other Safe Procedures:
		<p>*If work is to be performed in a travel way, complete and follow Work in Travel Way Job Hazard Analysis</p>