



Brieser
CONSTRUCTION

JOB SAFETY ANALYSIS

COMPANY/ PROJECT NAME or ID/ LOCATION (City, State)		DATE 9/3/15	<input checked="" type="checkbox"/> NEW <input type="checkbox"/> REVISED	PAGE 1 of 2	
WORK ACTIVITY (Description): UTILITY LOCATIONS /PROVIDING LOCATING SERVICES					
DEVELOPMENT TEAM		POSITION / TITLE		REVIEWED BY:	
Aron Yakima		Project Manager			
MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT (SEE CRITICAL ACTIONS FOR TASK-SPECIFIC REQUIREMENTS)					
<input checked="" type="checkbox"/> REFLECTIVE VEST <input checked="" type="checkbox"/> HARD HAT <input type="checkbox"/> LIFELINE / HARNESS <input checked="" type="checkbox"/> SAFETY GLASSES	<input type="checkbox"/> GOGGLES <input type="checkbox"/> FACE SHIELD <input checked="" type="checkbox"/> HEARING PROTECTION <input checked="" type="checkbox"/> SAFETY SHOES	<input type="checkbox"/> AIR PURIFYING RESPIRATOR <input type="checkbox"/> SUPPLIED RESPIRATOR <input checked="" type="checkbox"/> PPE CLOTHING	<input checked="" type="checkbox"/> GLOVES Cut-resistant <input type="checkbox"/> OTHER Chaps		
¹JOB STEPS		²POTENTIAL HAZARDS		³CRITICAL ACTIONS TO MITIGATE HAZARDS	
1. Set up equipment		<ul style="list-style-type: none"> Lifting Hazards 		<ul style="list-style-type: none"> Minimize lifting or carrying distances by preplanning storage and staging. Split heavy loads into smaller loads if possible. Use mechanical lifting aids and equipment whenever possible. Have someone assist with the lift – especially for heavy or awkward loads. Assure that the path of travel is clear prior to the lift. Assure installed equipment is stable when in use <p>USE PROPER LIFTING - Get as close to the load as possible. Avoid picking up heavy objects placed below your knees. Keep your back straight when reaching to lift an object. Tighten your stomach muscles to keep your spine from twisting while lifting a load. Bend with your knees not your back. Stretch and loosen up before work. Change direction by moving your feet not your hips. Look ahead to make sure the path is clear. Never twist at the waist while carrying a load. Set the load down if it becomes unstable or too heavy. Remember to “push” not “pull” whenever possible.</p>	
		<ul style="list-style-type: none"> Operating a motor vehicle 		<ul style="list-style-type: none"> Inspect vehicle before use. Wear seat belts at all times when vehicle is moving regardless of speed. Observe posted speeds. Utilize headlights at all times when vehicle is in motion. Always check behind vehicle when backing up. Provide a spotter for backing operations if vision to the rear is obscured. Sound horn before moving in reverse. Assure load is secured and anchored so that it can not shift Keep doors of vehicles closed at all times while in travel Observe posted speed Due not park on a dry grassed surface 	



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<p>2. Field Surveying/Utility Locating</p>	<ul style="list-style-type: none"> Exposure to operating heavy equipment 	<ul style="list-style-type: none"> Ground personnel will wear hard hats and orange reflective vests at all times when on or around the site. Ground personnel will not enter heavy equipment work zones until operators have been contacted and acknowledge that they are aware of the ground personnel's presence. At no time will any personnel approach within 25 feet plus the swing zone of any equipment without signaling the operator and may not approach the equipment until the operator has idled the equipment, grounded extensions, and signaled that it is safe to approach. All heavy equipment will have working backup or travel alarms, if you notice equipment operating in your area without alarms, exit the area and report the issue to your supervisor.
	<ul style="list-style-type: none"> Exposure to wind, temperature extremes and precipitation 	<ul style="list-style-type: none"> Obtain and review weather forecast-be aware of predicted weather systems and be prepared for sudden changes in temperature, increase in winds, and precipitation. Be aware of the symptoms of heat and cold-related disorders, and wear proper, layered clothing for the anticipated fieldwork: <ul style="list-style-type: none"> Wear clothing that will effectively block the wind During warm weather wear cloths that breath, especially cotton work cloths Ensure that gloves, hard hat liners, are available and worn if required. - Ensure that crew has proper boots for the anticipated weather conditions extreme temperature conditions. Ensure that crew members have dry boots to wear for each shift. Provide boot dryers or supply multiple pairs of work boots. - Provide rain gear or other impermeable clothing during periods of precipitation. Monitor employees for signs of heat and cold stress, heat stress could occure during the period of conduct of this project. Adjust the work schedule to ensure that employees do not suffer heat and./or cold related illnesses. Provide areas of refuge for employees to escape from heat including the direct rays of the sun for breaks as well as for lunches, should also provide wind protection.



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	<ul style="list-style-type: none"> • Tool use hazards 	<ul style="list-style-type: none"> • Tools shall be inspected prior to use and damaged tools will be tagged and removed from service. • All tools will be used for their intended use only and operated in accordance with industry standards. Only personnel trained in the proper use and maintenance of the a specific tool is to use that tool • All power tools equipped with a safety guard of any type shall be used only with the guard in place and functioning properly. • Portable power tools will be connected into GFCI protected outlets. Portable power tools will be Underwriters Laboratories (UL) listed and have a three-wire grounded plug or be double insulated. • Electric tools shall be disconnected when changing attachments or performing maintenance.
	<ul style="list-style-type: none"> • Slips, trips and falls 	<ul style="list-style-type: none"> • Walking and working surfaces will be kept free of clutter, debris and congestion. Be aware of wet and slippery conditions. • Identify footing hazards prior to and during access to rough areas and steep terrain. • Ensure work areas are kept free of clutter and areas are adequately lit during night operations.
	<ul style="list-style-type: none"> • Noise 	<ul style="list-style-type: none"> • Hearing protection is required in work environments exceeding 85 dBA. Hearing protection will be worn when operating heavy equipment and when working in close proximity to high noise sources.
	<ul style="list-style-type: none"> • Small animal hazards 	<ul style="list-style-type: none"> • Do not feed or otherwise encourage native species to be friendly or approach. • If scratched or bitten, immediately seek medical attention.

¹ Each Job or Operation consists of a set of steps. Be sure to list all the steps in the sequence that they are performed. Specify the equipment or other details to set the basis for the associated hazards in Column 2

² A hazard is a potential danger. What can go wrong? How can someone get hurt? Consider, but do not limit, the analysis to: **Contact** - victim is struck by or strikes an object; **Caught** - victim is caught on, caught in or caught between objects; **Fall** - victim falls to ground or lower level (includes slips and trips); **Exertion** - excessive strain or stress / ergonomics / lifting techniques; **Exposure** - inhalation/skin hazards. Specify the hazards and do not limit the description to a single word such as "Caught"