

Job Hazard Analysis

(Always Wear Proper PPE)

Project:	Superintendent:
Task: Conduit Installation	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 • Complete and review STA's daily • Assess location and conditions* • Review plans and specs
Proper layout		<ul style="list-style-type: none"> • Review plans and specs; discuss with electrician
Locate and mark all existing utilities; maintain markings	Damage to existing utility lines	<ul style="list-style-type: none"> • Notify Dig Safe and all non-member utilities prior to start • Follow 18" rule for locating utilities: Use hand tools to dig within 18" of the marked line until the utility is exposed.
Excavate and backfill conduit trench	Cave-in of trench or test pit	<ul style="list-style-type: none"> • Use proper sloping or shoring while locating utilities and placing conduit • Do not enter trench until it is properly sloped or shored
	Rocks and dirt rolling into trench or test pit	<ul style="list-style-type: none"> • Spoil pile must be at least 2' from edge of excavation
	Tools or supplies falling into trench or test pit	<ul style="list-style-type: none"> • Keep trench or test pit area clean of all debris; keep tools and supplies well away from the edge

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Excavate and backfill conduit trench	Person falling or tripping into trench or test pit	<ul style="list-style-type: none"> • Good housekeeping around excavation • Berm and barricade excavation • Keep non-essential personnel away from the hole • Use a quality ladder of sufficient size to access holes over 4' deep • Never walk on edges or spreaders of trench boxes
	Overhead electrical or telephone lines	<ul style="list-style-type: none"> • Follow the 10' overhead clearance rule • Have electric lines de-energized or covered if you need to be closer than 10'
	Being hit or struck by machine or excavation	<ul style="list-style-type: none"> • Maintain eye contact with excavator operator • Maintain a safe distance from excavation operation • All personnel should be out of trench when backfilling
Install Conduit	Rigging failure	<ul style="list-style-type: none"> • Use proper rigging and inspect before use
	Pipe falling on personnel	<ul style="list-style-type: none"> • Stay clear of load being swung into trench; use a tag line to control load if needed • No personnel beneath a suspended load • Keep pipe at arm's length at all times during placement
	Pinch points	<ul style="list-style-type: none"> • Keep hands and body from being between pipe and shoring and pipe ends
	Fumes from glue	<ul style="list-style-type: none"> • Review SDS for all materials used • Keep container of glue and primer closed until ready for use • Use only in well ventilated areas
	Burns from glue	<ul style="list-style-type: none"> • Wear gloves and use proper applicators when placing onto pipe ends
Concrete encase conduit	(See concrete work JHA)	<ul style="list-style-type: none"> • Review and follow JHA for concrete work

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Backfill conduit	(See excavation and backfill above)	
Other steps (if any):	Other hazards:	<p>Other safe procedures:</p> <p>* If work is to be performed in a travel way, complete and follow ‘Work in Travel Way’ Job Hazard Analysis</p> <p>** If Hazardous Materials are encountered, cease work, secure work area and notify Superintendent and/or appropriate personnel immediately</p>