



SSU EXCAVATION AND TRENCHING CHECKLIST

Pre Excavation Hazards	No	Yes	Precautions Taken:	Yes	N/A
1. Are there underground utilities in the vicinity?	<input type="checkbox"/>	<input type="checkbox"/> →	Have utilities been positively located and communicated or demarcated for operator?	<input type="checkbox"/>	<input type="checkbox"/>
2. Surface encumbrances that may present a hazard?	<input type="checkbox"/>	<input type="checkbox"/> →	Have identified surface encumbrances been removed or supported?	<input type="checkbox"/>	<input type="checkbox"/>
Mid Excavation Hazards	No	Yes	Precautions Taken:	Yes	N/A
3. Will the excavation be greater than five feet in depth?	<input type="checkbox"/>	<input type="checkbox"/> →	Has the 8CCR 1541.1 Appendix F decision tree been followed and appropriate sloping, shoring, or shielding provided?	<input type="checkbox"/>	<input type="checkbox"/>
3.a. Circle protection type: Sloping Shoring Shielding and attach diagram with dimensions.					
4. Limited access into and out of excavation?	<input type="checkbox"/>	<input type="checkbox"/> →	Have structural ramps, stairways, ladders or other egress been provided (>4' deep)?	<input type="checkbox"/>	<input type="checkbox"/>
5. Will employees be exposed to vehicular traffic?	<input type="checkbox"/>	<input type="checkbox"/> →	Are traffic warning barricades and employee warning vests in place?	<input type="checkbox"/>	<input type="checkbox"/>
6. Will there be overhanging equipment loads?	<input type="checkbox"/>	<input type="checkbox"/> →	Have employee been warned or otherwise restricted from standing near active loads?	<input type="checkbox"/>	<input type="checkbox"/>
7. Do operators of mobile equipment near the excavation have a clear view?	<input type="checkbox"/>	<input type="checkbox"/> →	Are barricades, hand or mechanical signals, or stop logs provided?	<input type="checkbox"/>	<input type="checkbox"/>
8.a. Is there oxygen deficiency anticipated during operations?	<input type="checkbox"/>	<input type="checkbox"/> →	Has the space been tested for oxygen deficiency?	<input type="checkbox"/>	<input type="checkbox"/>
8.b. Will welding, brazing, or other activity contaminate air?	<input type="checkbox"/>	<input type="checkbox"/> →	Has sufficient ventilation been provided to keep contaminants within limits?	<input type="checkbox"/>	<input type="checkbox"/>
8.c. Are there drifting vapors from adjacent sources?	<input type="checkbox"/>	<input type="checkbox"/> →	Was space tested for flammable or toxic air contaminants?	<input type="checkbox"/>	<input type="checkbox"/>
8.d. If "yes" to any of the initial questions, in items 8.a., 8.b., or 8.c., contact EH&S.					
9. Is the stability of adjoining structures endangered?	<input type="checkbox"/>	<input type="checkbox"/> →	Have support systems such as shoring, bracing, or underpinning been installed?	<input type="checkbox"/>	<input type="checkbox"/>
10. Is loose rock or soil present?	<input type="checkbox"/>	<input type="checkbox"/> →	Has the loose materials been removed or have barricades been installed?	<input type="checkbox"/>	<input type="checkbox"/>
11. Are equipment or excavated materials located near the edge?	<input type="checkbox"/>	<input type="checkbox"/> →	Have the materials been moved >2 feet from edge of retaining devices installed?	<input type="checkbox"/>	<input type="checkbox"/>
12. Excessively deep or confined footing excavation?	<input type="checkbox"/>	<input type="checkbox"/> →	Are lifelines and safety belts available (for deep or confined footing excavations)?	<input type="checkbox"/>	<input type="checkbox"/>
13. Standing water or water accumulating?	<input type="checkbox"/>	<input type="checkbox"/> →	Have these utility lines been locked out and protected or supported?	<input type="checkbox"/>	<input type="checkbox"/>
14. Have active utility lines been exposed?	<input type="checkbox"/>	<input type="checkbox"/> →	Have the appropriate precautions been taken (e.g. cave-in protection or water removal)?	<input type="checkbox"/>	<input type="checkbox"/>
Post Excavation Hazards:	No	Yes	Precautions Taken:	Yes	N/A
15. Is there uncompacted soil or depressions in the backfill?	<input type="checkbox"/>	<input type="checkbox"/> →	Has the soil been sufficiently compacted and smoothed over?	<input type="checkbox"/>	<input type="checkbox"/>