APPENDIX A DAILY INSPECTION WORKSHEET Municipal Excavation & Trenching

Employer Responsibility: The employer is responsible for ensuring that employees are protected from cave-in. **How to Use this Inspection Worksheet**: A daily inspection is required at all excavation sites that workers enter, even sites less than 5 feet deep. One way to verify that the daily inspections are conducted is to complete an inspection checklist.

Date:									
Excavat	tion A	ddress:							
Scope:	Purp Dime	ose of excava	tion: Depth:	Wid	th:	Length:			
CAVE-	IN PR	OTECTION							
4.1] <u>1</u>	ls the o If YES	depth of exca to 4.1, the tre	vation greater than 5 nch is greater than 5 fe	ft deep? eet deep,	Y Y cave-in prote	es No ction is requ	uired.		
<u> </u> 	<u>If NO to 4.1</u> , is there potential for cave-in as determined by the Competent Person? Yes No If Yes, there is a cave-in potential, then cave-in protection is required.								
Key issues to be reviewed by the competent person in determining the Does ground have any of the following:						g the cave-i	n potential:		
		 W W Te Bu S1 Si Ot 	Yater accumulation Yater seeping out of water seeping out of water seeping out of water and the seeping wall or heaving the seeping walls antificant vibration or setting the setting the setting setting the setting	ll or floor es floor surcharge —	r r e load				
4.2] I	lf exca potent determ	avation is dee ial for cave-i ine cave-in pro-	eper than 5 ft, <u>OR</u> th n, then cave-in prote otection options.	ne Comp ection is	etent Person required. A	n determine nswer the d	ed that there is a questions below to		
2	4.2.1.	List the soil t protective sys Vibration, surcharge conditions may requ	ypes, to aid in proper us stems and/or required s e loads, and other wire downgrade of soil type.	use of sloping.	Soil Type Type C Type B Type A Stable Ro	ock			
2	4.2.2	List soil tests At least one manual	conducted. and one visual test.		No Test, Soil Test	assume Type ed: Visual: Manual:	C soil.		
2	4.2.3	List the type of that will be us Trench and Shorin to ensure the Owner available and all eq with manufacturer'	or types of cave-in prof sed. g: The employer is responsible r's Manuals and tab data is nuipment is used in accordance s instructions and tab data.	tection	Trench Bo Shoring Slope Trench b Engineer	ox ox plus slope ed system	Max Allowable Slope C: (34°) 1 ½ H: 1V B: (45°) 1H: 1V A: (53°) 3/4H: 1V Rock: (90°) Vertical		

4.2.4 <u>Confirm proper use of protective systems and/or sloping:</u>

- 4.2.4.1 If sloping is used, what is maximum allowable slope for the soil type? H:V =
- 4.2.4.1 If shoring is used, what are maximum spacing requirements per tab data? H: _____V:_____

4.2.4.2 If trench box is used, what is the maximum depth certification?

5. SAFE WORK PROCEDURES

UTIL	ITIES	Yes	No	NA
a.	Digsafe 811 called for underground utilities. Conf #:			
b.	Exposed utilities are supported or removed.			
с.	Water pipe pressure is shut off or reduced at excavation location.			
d.	10 ft. clearance between operating equipment and overhead			
	electrical is maintained.			
WET	CONDITIONS	Yes	No	NA
a.	Water accumulation is controlled.	2.05	110	
b.	Surface water is diverted or controlled.			
с.	A re-inspection for cave-in potential is conducted after each rainstorm.			
d.	Employees exit if water seeps from walls or floor.			
LINDE	DMINED STDUCTUDES	Voc	No	NA
	Adjacent foundations telephone poles etc. are braced	1 05	110	
a. b	Adjacent roundations, telephone poles, etc. are braced.			
0. C	Exposed underground utility pipes are supported.			
C.	Exposed underground unity pipes are supported.			
EDGE	C OF EXCAVATION	Yes	No	NA
a.	Spoils are kept more than 2 ft from edge.			
b.	Top of trench box/shoring reaches grade level or higher.			
с.	Bottom of trench box/shoring is less than 2 ft from floor.			
d.	Ladder in place for trenches deeper than 4 ft.			
e.	Trench boxes are installed in a manner to restrict lateral or other			
	hazardous movement of the shield in the event of sudden lateral loads,			
	e.g, space between box plate and soil wall is minimized.			
f.	Weight of adjacent trucks and equipment are kept a safe distance away			
	from edge to prevent surcharge loading or vibration.			
HAZA	ARDOUS ATMOSPHERE	Yes	No	NA
a.	Test air before employees enter excavation > 4 ft deep when			
	oxygen deficiency or a hazardous atmosphere could be expected.			
b.	Test air for LEL, O2, CO and VOCs in landfills, underground fuel, or			
	other contaminated soils. Don't assume that toxics are heavier than air.			
с.	Test air for CO if gas powered tools used in or near excavation.			
d.	Dust control is used when cutting concrete or asbestos pipe.			
WORK ZONE TRAFFIC			No	NA
a.	Traffic controlled by MUTCD signs/devices. Close street if possible.			
b.	Hi-visibility reflective clothing worn.			
с.	Check blind spots before each vehicle is moved at the site.			

INSPECTION and VERIFICATION BY EMPLOYER

To be filled out by the Competent Person:	To be filled out by DPW Superintendent		
Name:	Name:Date:		
Inspection date/time	Signature:		

6.