

## Excavation and Trenching Plan

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**CENTENNIAL**

A BILFINGER COMPANY

Project Title:

Date:

PSO/SSHO Name:

Plan Preparer:

Project Location (be specific):

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**Instructions:** Complete this plan for all excavations, trenches, post holes, post driving pot holing and any other digging at four (4) feet or greater. Answer all questions and be as specific as possible; additional space is provided on the last page, if needed. The National One Call number is 811. More state specific information is available at [www.call811.com](http://www.call811.com). An independent or third-party utility locating company may be required if digging on or beyond the utility meter. A completed AHA must accompany this plan.

### General Conditions

Anticipated depth of excavation / trench:  Feet in depth

Excavation / Trench dimensions:

Width:  Feet

Length:  Feet

Will or could this excavation / trench be considered a confined space?

Yes

No

If yes, please reference the separate confined space plan.

Will the excavation / trench atmospheric conditions be tested daily?

Yes

No

If yes, please explain:

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*Note: if working on a federal project, any excavation / trench that exceeds 4' in depth will require atmospheric testing at the beginning of each work shift.*

Will ventilation be supplied inside the excavation / trench?

Yes

No

If yes, please explain:

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Has a soil classification been conducted to determine soil type?

If yes, which methods were used to determine soil type (choose two):

Visual test

<input type="checkbox"/>
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Pocket penetrometer

Thumb penetration test

<input type="checkbox"/>
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Plasticity test

<input type="checkbox"/>
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Dry strength test

<input type="checkbox"/>
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Ribbon test

As a result of the selected soil classification tests listed above, soil is considered (choose one):

Stable rock

<input type="checkbox"/>
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"Type A" - unconfined comprehensive strength of 1.5 tsf or greater

<input type="checkbox"/>
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"Type B" - unconfined comprehensive strength of 0.5 -1.5 tsf

<input type="checkbox"/>
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"Type C" - unconfined comprehensive strength of 0.5 tsf or less

<input type="checkbox"/>
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*Note: Reference OSHA 1926 subpart P Appendix A for soil classification definitions*

Description of safe work practices and anticipated work inside the excavation / trench:

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### Personnel

Competent Person(s) [print name]

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Qualified Person(s) (if required)\*

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*\*Note: In the event that Excavation / Trenching activities exceed 20 feet in depth, a Qualified Person is required for excavation / trench design and protective systems. Attach a copy of the Competent Person's credentials.*

Competent person will conduct a safe work practices briefing including any job-related hazards. List name of attendees below (to be completed on site):

Print Name:

Print Name:


Competent Person Signature: \_\_\_\_\_

Date: \_\_\_\_\_

### Protection Methods & Systems

Choose the method of protection below that will be implemented (may choose more than one):

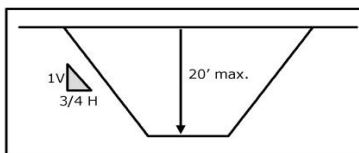
Sloping:

$\frac{3}{4}$  to 1- Type A Soil

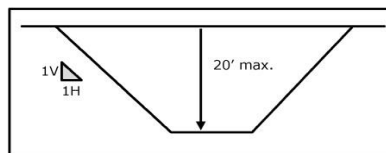
1 to 1 - Type B Soil

1  $\frac{1}{2}$  to 1- Type C Soil

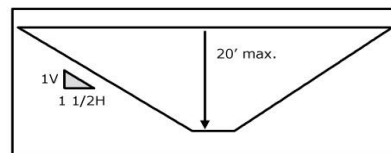
Excavations in type A soil



Excavations in type B soil



Excavations in type C soil



Benching:

*Note: Benching in class C soil is prohibited*

Shoring:

*Note: a copy of the manufacturer's tabulated data must be provided. Please attach a copy to this plan.*

Shielding:

*Note: a copy of the manufacturer's tabulated data must be provided. Please attach a copy to this plan.*

**Additional Comments:**

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*Note: if excavation / trench depth exceeds 20' in depth, please attach a copy of the engineered excavation / trench design and protective systems.*

<b>Access &amp; Egress</b>
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Choose the method of access / egress below that will be implemented (may choose more than one):

Portable ladder(s) placed within 25 feet of lateral travel 

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Ramp(s) placed within 25 feet of lateral travel 

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Other means of access / egress: 

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Explain in detail:

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<b>Affected Zone, Traffic &amp; Utilities</b>
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Have utilities been located by a utility locate company?

Yes	No
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If no, STOP. Utility locates must be performed before digging is initiated.  
Call 811 for additional information [www.call811.com](http://www.call811.com).

Is a digging permit required in this area or on this project?

Yes	No
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If yes, please attach a copy of the permit to this plan

Have owner utility as-built drawings been obtained?

Yes	No
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Will utility lines (overhead or underground electrical / water / steam / sewer / storm / etc.) be present? Exact utility locations must be verified by non-mechanical means (i.e., pot holing).

Yes	No
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If yes, explain:

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Will any surface encumbrances be located within the affected zone of the trench?

Yes	No
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If yes, explain method of support / protection:

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Will utility shutdown / shut off / or lock out tag out be required?

Yes	No
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If yes, reference the separate Hazardous Energy Control Plan

Will spoil piles remain a minimum 2' from the excavation / trench edge?

Yes	No
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If no, will spoils be transported off site?

Yes	No
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If yes, are environmental controls in place to reduce runoff?


Yes	No
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Yes	No
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Yes	No
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## Excavation / Trench Sketch



Yes	No
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Yes	No
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Additional Notes:

Approvals / Review

Competent Person Signature:

Date:

Centennial Representative Signature:

Date:

Centennial SSR Signature:

Date: