

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 regardless of depth. 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. 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

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Pocket penetrometer

Thumb penetration test

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Plasticity test

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Dry strength test

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Ribbon test

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

Stable rock

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"Type A" - unconfined comprehensive strength of 1.5 tsf or greater

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"Type B" - unconfined comprehensive strength of 0.5 -1.5 tsf

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"Type C" - unconfined comprehensive strength of 0.5 tsf or less

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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):

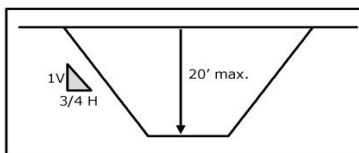
Sloping:

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

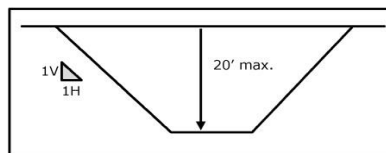
1 to 1 - Type B Soil

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

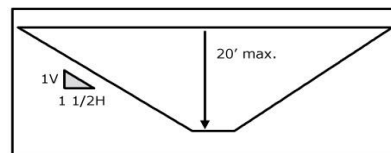
Excavations in type A soil



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.

Access & Egress

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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Affected Zone, Traffic & Utilities

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.

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: