ChecklistGuro

Excavation Safety Plan Checklist

Site Assessment & Planning

Initial evaluation of the excavation site and development of a comprehensive safety plan.

Brief Site Description

Write something...

Maximum Excavation Depth (feet)

Enter a number...

Date of Site Assessment

Enter date...

GPS Coordinates of Excavation Site

Set My Current Location

Soil Type (Preliminary)

- [ ] Sandy
- [ ] Clay
- [ ] Silt
- [ ] Loam
- [ ] Other - Specify

Potential Hazards Observed During Assessment (e.g., nearby structures, traffic)

Write something...

Proximity to Structures/Utilities?

- [ ] Yes
- [ ] No

Site Map/Diagram (showing dimensions, utilities)

Upload File

Underground Utility Location

Identification and marking of all underground utilities prior to excavation.

Describe the process used to locate underground utilities.

Write something...

Which utility locating methods were employed?

- [ ] One-Call Service (e.g., 811)
- [ ] Direct Contact with Utility Companies
- [ ] Ground Penetrating Radar (GPR)
- [ ] Visual Inspection of Utility Maps
- [ ] Other (Specify in LONG_TEXT)

Upload copies of utility locating requests and responses.

Upload File

Document any discrepancies found between utility maps and actual locations.

Write something...

Mark the precise location of utility markings on a site map.

Set My Current Location

Date of utility location verification.

Enter date...

Competent Person Inspection & Classification

Verification that a competent person has inspected and classified the soil for stability.

Date of Inspection

Enter date...

Name of Competent Person

Write something...

Title/Role of Competent Person

Write something...

Soil Type Classification (e.g., Type A, Type B, Type C)

- [ ] Type A
- [ ] Type B
- [ ] Type C
- [ ] Unclassified - Further Assessment Required

Maximum Allowable Slope Angle (Degrees)

Enter a number...

Shoring Depth (Feet)

Enter a number...

Detailed Observations & Recommendations

Write something...

Potential Hazards Identified

- [ ] Water Infiltration
- [ ] Unstable Soil
- [ ] Nearby Structures
- [ ] Underground Utilities
- [ ] Vibrations
- [ ] Other (Specify)

Competent Person Signature

Protective Systems & Sloping/Benching

Details regarding protective systems like sloping, benching, shoring, or trench boxes.

Maximum allowable slope angle (degrees)

Enter a number...

Description of the sloped/benched system design (including details of benches, steps, or terraces)

Write something...

Bench Height (feet)

Enter a number...

Bench Width (feet)

Enter a number...

Soil Stabilization Methods Employed (check all that apply)

- [ ] Water Removal
- [ ] Compaction
- [ ] Chemical Stabilization
- [ ] Other (specify in LONG_TEXT)

Detailed explanation of how soil stability is maintained throughout the excavation process.

Write something...

Type of Protection System Used (if not sloped/benched)

- [ ] Shoring
- [ ] Trench Box
- [ ] Other (Specify in LONG_TEXT)

Explanation of calculations performed to ensure slope stability.

Write something...

Trench Box / Shielding Installation

Specific requirements and inspections related to trench box or shielding installation and usage.

Trencher Box/Shielding Serial Number

Enter a number...

Trencher Box/Shielding Condition Upon Arrival

- [ ] Excellent
- [ ] Good
- [ ] Fair
- [ ] Poor - Requires Inspection/Repair

Description of any observed damage or defects

Write something...

Competent Person Verification of Structural Integrity

- [ ] Verified – No Issues Found
- [ ] Verified – Minor Repairs Needed
- [ ] Verified – Significant Repairs Needed – Do Not Use

Depth of Shielding / Box (ft)

Enter a number...

Shielding/Box Overlap (minimum 2ft)

- [ ] Yes
- [ ] No

Date of Last Inspection/Certification

Enter date...

Signature of Competent Person Verifying Installation

Access & Egress

Ensuring safe access and egress from the excavation, including ladders, ramps, or other methods.

Maximum Vertical Depth of Excavation (ft)

Enter a number...

Approved Access/Egress Methods:

- [ ] Ladders (every 25 ft or less)
- [ ] Ramps
- [ ] Stairways
- [ ] Other (Specify in LONG_TEXT)

If 'Other' selected for Access/Egress method, please specify:

Write something...

Number of Ladders/Ramps/Stairways Provided

Enter a number...

Ladder Material (if applicable)

- [ ] Aluminum
- [ ] Steel
- [ ] Fiberglass

Description of any deviations from standard access/egress requirements:

Write something...

Date of last Access/Egress inspection

Enter date...

Inspector Signature - Access/Egress

Water Accumulation & Control

Planning for and controlling water accumulation in the excavation.

Describe the anticipated sources of water inflow (e.g., groundwater, surface runoff, precipitation).

Write something...

Method(s) for water control:

- [ ] Dewatering System (Pumps)
- [ ] Diversion Ditches
- [ ] Well Points
- [ ] Surface Drainage
- [ ] Other (Specify in Long Text)

Estimated pumping rate (gallons per minute or liters per minute)

Enter a number...

Describe the pump capacity and type of pump to be used.

Write something...

Backup power source for dewatering pumps:

- [ ] Generator
- [ ] Secondary Power Source
- [ ] No Backup Required
- [ ] Other (Specify in Long Text)

Describe the procedure for monitoring water levels during excavation.

Write something...

Atmospheric Hazards

Addressing potential atmospheric hazards such as oxygen deficiency or hazardous gases.

Potential Atmospheric Hazards Identified?

- [ ] Oxygen Deficiency
- [ ] Toxic Gases (e.g., Methane, Hydrogen Sulfide)
- [ ] Confined Space Hazards
- [ ] None Identified

Atmospheric Monitoring Required? (Select all that apply)

- [ ] Continuous Monitoring
- [ ] Intermittent Monitoring
- [ ] No Monitoring Required

Minimum Acceptable Oxygen Level (%)

Enter a number...

Maximum Acceptable Concentration of Toxic Gases (ppm)

Enter a number...

Monitoring Equipment Calibration Records

Write something...

Ventilation Required?

- [ ] Yes
- [ ] No

Ventilation Plan Details

Write something...

Date of Last Atmospheric Hazard Assessment

Enter date...

Soil Management & Material Storage

Safe storage and handling of excavated soil and other materials.

Describe the designated areas for soil and material storage.

Write something...

Minimum Safe Distance from Edge of Excavation for Material Storage (feet)

Enter a number...

Methods for Stabilizing Soil Piles to Prevent Collapse (Select all that apply)

- [ ] Silt Fences
- [ ] Straw Bales
- [ ] Retaining Walls
- [ ] Geotextile Fabric
- [ ] None - Piles are Stable

Method used for preventing soil erosion from stockpiles.

- [ ] Erosion Control Blankets
- [ ] Silt Fences
- [ ] Water Bars
- [ ] None - No Erosion Risk

Date of Last Soil Pile Stability Inspection

Enter date...

Name of Person Performing Last Soil Pile Stability Inspection

Write something...

Upload Photos of Soil Storage Areas (showing stability measures)

Upload File

Communication & Emergency Procedures

Establishing clear communication protocols and emergency response plans.

Emergency Contact List (including phone numbers)

Write something...

Emergency Callout Sequence (Priority Order)

Enter a number...

Potential Emergency Scenarios Addressed in Plan (Check all that apply)

- [ ] Cave-in
- [ ] Underground Utility Strike
- [ ] Water Accumulation
- [ ] Atmospheric Hazards
- [ ] Equipment Malfunction
- [ ] Worker Injury
- [ ] Weather-Related Hazards (e.g., flooding)

Description of Emergency Evacuation Route(s)

Write something...

Date of Last Emergency Drill

Enter date...

Scheduled Time for Regular Safety Briefings

Communication Procedures for Reporting Near Misses/Incidents

Write something...

Primary Communication Method on Site (e.g., Radio, Whistle, Hand Signals)

- [ ] Radio
- [ ] Whistle
- [ ] Hand Signals
- [ ] Two-way communication devices