|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Excavation & Trenching**  **Check List** | | | | | | **Miss Utility Ticket # :**  Date: | | |
| **Section 1 – Preparation** (Controlling Contractor Safety Manager/Engineer Completes Section 1) | | | | | | | | | | |
| Job Name: | | | | | | | | | | |
| Name of Contractor: | | | | | | | | | | |
| Location of The Excavation Work: | | | | | | | | | | |
| Description of Excavation Work : | | | | | | | | | | |
| Subsurface Engineering Utility Locating Company Name: Locater Employee Name: | | | | | | | | | | |
| ACS/ Verizon Communication Verification Signature: | | | | | | | | | | |
| MWAA Utilities Verification Signatures: Electrical Shop: Pipe Shop: | | | | | | | | | | |
| FAA Utility Verification Signature: ASIG Fuel Utility Verification Signature: | | | | | | | | | | |
| National Park Service Verification: | | | | | | | | | | |
| **Following Items Listed Below Must Be Done Prior To Opening an Excavation** | | | | | | | | | | |
|  | | | | | | | | | | |
| Pre-Planning Meeting with MWAA | | |  | Yes |  | No | | | | |
| GIS Plans Reviewed For Existing Utilities | | |  | Yes |  | No | | | | |
| Utility Grid Sweep Conducted of the “**Entire”** Excavation Area and 5 feet beyond marked excavation perimeter. | | |  | Yes |  | No | | | | |
| Utilities Marked and Utilities Physically /Visually Located (hand dig, pot hole, hydro) | | |  | Yes |  | No | | | | |
| **Section 2 – Excavation** (Contractor Competent Person Completes Section 2) | | | | | | | | | | |
| Competent Person Name: | | | | | | | | | | |
| Soil Type: Slope Ratio: Protective System Used (Tabulated Data Submitted to MWAA): | | | | | | | | | | |
| Excavation/Trench Depth: Excavation/Trench Width: | | | | | | | | | | |
| Note: DCA/IAD Soils are classified as “C” type soils on Airport Authority Construction Projects | | | | | | | | | | |
| **Section 3 – Hazard Assessment and Control** ( Contractor Competent Person Completes Section 3) | | | | | | | | | | |
| **Controls to be Implemented** | | | | | | | | | **Completed** | **N/A** |
| Personnel &  Property  Safety  Issues | Competent Person has inspected excavation, adjacent areas, and protective systems prior to employees performing work in the excavation/trench. | | | | | | | |  |  |
| Professional Engineer was obtained to approve excavation of >20’ depth. | | | | | | | |  |  |
| Trench/Excavation area shall be protected by an anchored physical barrier from vehicle traffic. Guardrails shall be installed at unprotected edges of sheer walls of the excavation/trench if the trench/excavation is over **6 feet** in depth. In addition, a barrier shall be back 6 feet to protect pedestrian traffic. | | | | | | | |  |  |
| Employees protected from loose rock/soil that could pose a hazard by falling or rolling into the excavation/trench. | | | | | | | |  |  |
| Trench is shored and/or sloped per CFR 1926 Subpart P requirements. | | | | | | | |  |  |
| Trench is free from standing water and other contaminants. | | | | | | | |  |  |
| Excavated material, equipment and other items will be placed at least 2’ from edge of trench. | | | | | | | |  |  |
| Employees are prohibited working under suspended loads. | | | | | | | |  |  |
| Walkways and bridges over excavations/trenches **6 feet** or more in depth shall have standard guardrails and toe boards. | | | | | | | |  |  |
| **Open ends** of a trench boxes shall be sloped 1 ½:1 or shielded | | | | | | | |  |  |
| Underground utilities protected, supported or removed when excavation is open (P.E. stamp shall be required for supporting critical utilities that could impact airport operations). | | | | | | | |  |  |
| Wood used for shoring or bracing is in good condition and free from defects. | | | | | | | |  |  |
| Ladder provided in trench >**4’ depth** with ladder extending at least 3’ above top of trench. | | | | | | | |  |  |
| Ladder, ramp, or stair is provided within **25’** of all personnel working in trench. | | | | | | | |  |  |
| Air testing was performed at **4’ depth** or more (Oxygen, LEL, Toxics). Results: | | | | | | | | | |
| Test Pitting with digging bars is prohibited unless they are non-conductive type of digging bar. | | | | | | | |  |  |
| If an excavation/trench is **4 feet** in depth or above; shoring, sloping or shields are required | | | | | | | |  |  |
| **Section 4 – Approvals** – I have reviewed this Permit and all conditions and agree that work can proceed safely. | | | | | | | | | | |
| *Contractor Project Manager/General Superintendent Name & Signature:* | | | | | | | *Date:* | | | |
| *Competent Person Name, Title & Signature:* | | | | | | | *Date:* | | | |