

KNIGHT/JACOBS Excavation/Penetration Permit

SECTION A - Initiation	NUMBER
PROJECT/JOB TITLE Spallation Neutron Source/	SUBCONTRACT NO.
REQUESTOR (Name/Organization)	PHONE
DESCRIPTION OF WORK	
LOCATION: (Area/Building/Floor/Column)	
DRAWING / SKETCH NUMBER(S)	

On the basis of information available, underground, embedded or hidden utilities marked "YES" in the table below are known to exist at or adjacent to the excavation/penetration covered by this permit. This listing may not be a complete description of all obstructions. Site utilities drawings are not complete and may contain inaccuracies. Those performing excavation penetration work must be alert to encountering uncharted or inaccurately charted underground obstructions. **STOP WORK IMMEDIATELY** and contact the permit issuer if obstructions other than those defined are encountered.

SECTION B - Review											
UTILITY	DISC	YES	INITIAL	UTILITY	DISC	YES	INITIAL	UTILITY	DISC	YES	INITIAL
1. SANITARY SEWERS	CV			6. CHILLED WATER	ME			11. PROCESS WASTE			
2. STORM DRAINS	CV			7. COOLING WATER	ME			12. NATURAL GAS			
3. ELECTRICAL	EE			8. POTABLE / FIREWATER	ME			13. CRYO CHASE			
4. GROUND GRID	EE			9. HOT WATER	ME			14. EXH DUCTWORK			
5. SANITARY WATER	CV			10. TOWER WATER	ME			15. OTHER (LIST)			
CIVIL AND SITE ENGINEERING REVIEW (CV)											
						REVIEWER	PHONE	DATE			
ELECTRICAL ENGINEERING REVIEW (EE)											
						REVIEWER	PHONE	DATE			
MECHANICAL/PIPING ENGINEERING REVIEW (ME)											
						REVIEWER	PHONE	DATE			

SECTION C - Approval			
PERMIT REVIEWED: IS ADDITIONAL KNOWN INFORMATION TO BE PROVIDED? NO YES			
IF YES, SPECIFY DETAILS:			
Chief Resident Engineer	DATE	CE/Superintendent	DATE

SECTION D - Issue			
PERMIT ISSUED TO:	SUBCONTRACTOR OTHER	SIGNATURE - RECIPIENT	DATE
PERMIT ISSUED BY:	CE/S OTHER	SIGNATURE - ISSUER	DATE

- NOTES: 1. A meeting between the permit issuer and recipient to determine the need for surveys using detection equipment and/or personnel protective measures is required.
2. Subcontractor must notify Tennessee One Call if applicable to this work.

Prior to initiating a Permit, the Requestor (CM or Subcontractor) shall review the following list of exclusions:

Excavation Activities Exclusions

1. Soil borrow areas pre-designated by the Construction Manager
2. Replacement of the same location, depth, and size as the items being replaced (i.e. sign posts, etc.)
3. Earth / rock excavations 12 inches or less in depth with surface area not in excess of 25 square feet, using hand held tools excluding jackhammers

Penetration Activities Exclusions

1. Penetration of masonry walls
2. Penetration of soil borrow area pre-designated by the CM
3. Work associated with the installation of fasteners 2" or less in embedded depth to floor, walls, and ceilings

SECTION A - Initiation of the Excavation/Penetration Permit (E/PP)

The Requestor will:

- Complete Section A of the E/P Permit except for the E/PP number.
- Attach sketches or marked up drawings showing location of each excavation or penetration.
- Attach the JSA for the work activity resulting from a thorough field investigation.
- Forwards the E/P Permit and attachments to the CE/S.

The CE/S will review and forward the E/PP to one of the Resident Engineer/ Inspectors (RE/I).

The RE/I will record the unique E/PP number in Section A and record the E/PP in the Excavation/ Penetration Permit Log.

SECTION B - Review of the Excavation/Penetration Permit (E/PP)

Each RE/I will perform the following in the appropriate block of Section B:

- Review the E/PP and check (√) "YES" or write "NO" and initial the appropriate discipline block.
- List any impacted items and the reference drawings for the items.
- Add necessary comments.
- Record name, phone number and date.

The RE/I will attach marked up copies of reference drawings.

The Chief RE/I will review the E/PP and document review in Section C, sign and date.

The Chief RE/I will return the E/PP to the CE.

SECTION C - Approval of the Excavation/Penetration Permit (E/PP)

The CE/S will review the E/PP and JSA with the Subcontractor Supervision before field activities begin.

SECTION D - Execution and Issue of the Excavation/Penetration Permit (E/PP)

The CE/S and Subcontractor will complete, sign and date Section D.

* Field conditions encountered that are different from those shown on this permit shall be documented.