

PURPOSE:

This best practice is a guide to be used for safe work execution when installing auger cast piling (ACIP)

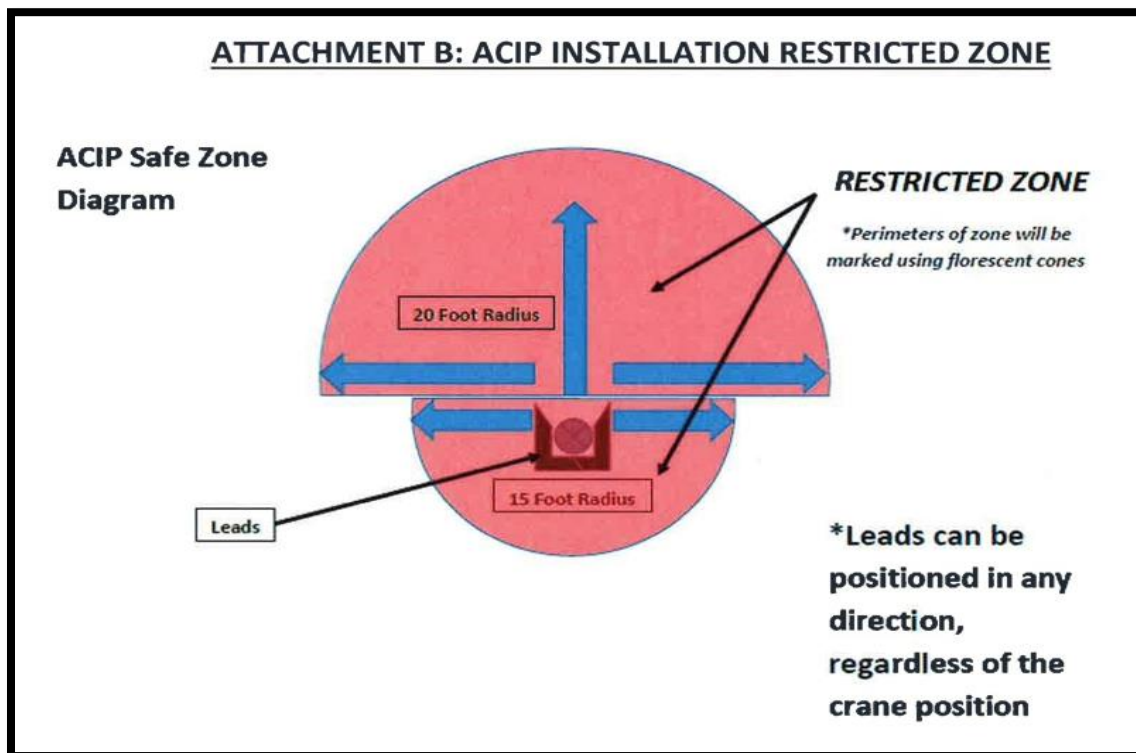
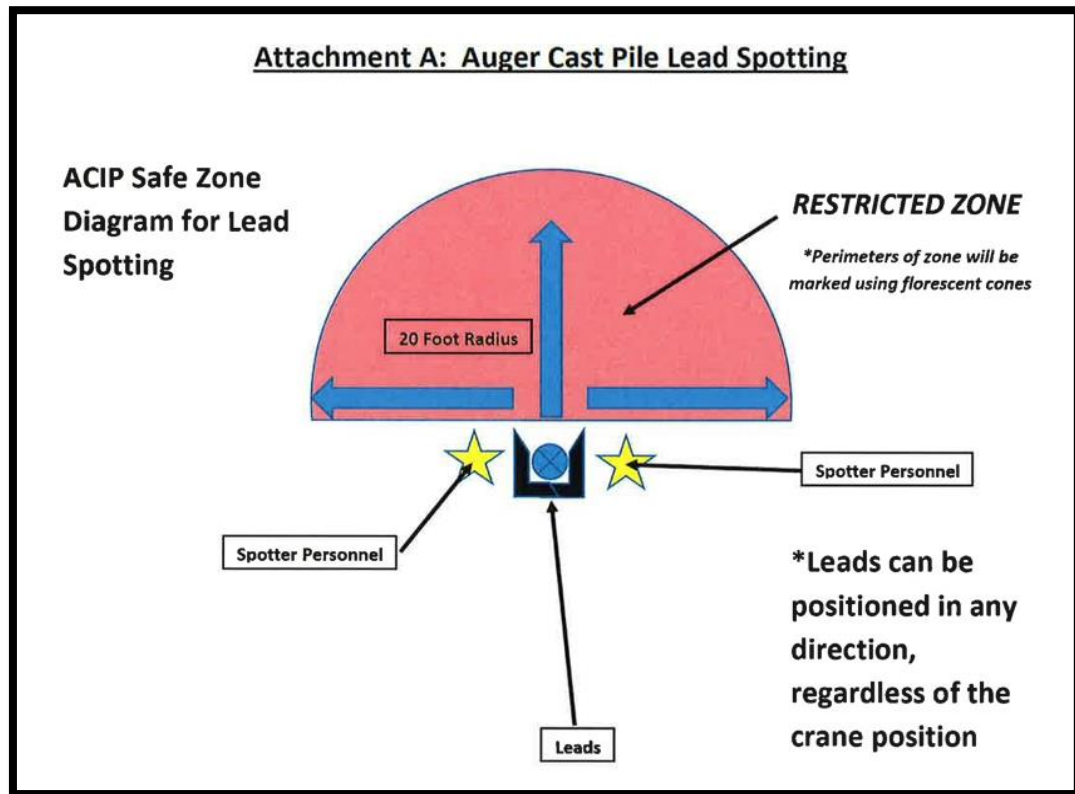
PROCESS:

- After mobilization and rig-up of equipment, this best practice should be reviewed prior to beginning installation of ACIP; specifically at the beginning of a project or in the event of personnel changes.

Execution:

- Prior to beginning ACIP installation, a preliminary Pre-task should be developed and kept on site to address a clogged system including:
 - Crew members responsibilities
 - Known Hazards (pressure, falling debris, release of energy, etc.)
- Establish and adhere to employee restricted zone (ref. diagram in Attachment B)
 - Establish fall radius and barricade the area
- Identify grout pump location and traffic control measures
- Receive grout and prime the system; Engage/disengage air purge to clear the drill stem
- Spot auger on layout point ensuring the following:
 - Visually inspect the auger to ensure auger is clear of excess debris
 - Ensure safe hand/body placement when positioning leads
 - NEVER stand in front (open side) of the leads
- Set leads in place and ensure the following:
 - All personnel clear of restricted zone
 - Ease the leads to the ground ensuring auger remains on point
- Reengage air, drill down 5' and stop the drill
- Raise the leads and set the stabbing guides in place for drilling
 - No personnel should be in the restricted zone during this process
 - After the guides are set, verify the leads are plumb
- Continue drilling to design depth after ensuring the following:
 - No personnel are in the exclusion zone
 - Auger is extracted simultaneously
 - Auger is continuously rotated clock-wise during withdrawal
 - No spoils on the auger become out of reach of the excavator

- Upon completion of grout placement, the leads will be moved so the top of the pile can be cleared of mud






PAYOFF:

Following this best practice ensures a safer work environment by minimizing risks associated with falling debris and equipment hazards.

Crew Review:

Superintendent: Instruct the crew to use their phones to scan one of the QR codes below, which will direct them to a short review session. After personnel enter their information and submit it, training records will be generated and automatically saved for future reference. Utilize this time for open engagement with the crew. Each review will have different questions, which can be answered either as a team or individually.



Approvals		
<u>Title</u>	<u>Signature</u>	<u>Date</u>
BU 15 Vice President		9-30-24
BU 15 Senior Construction Manager		9-30-24
BU15 Manager of Safety		9-30-24

Revision History				
<u>Rev #</u>	<u>Date</u>	<u>Reason for Changes</u>	<u>Originator</u>	<u>Effective Date</u>
1	06-26-2024	Update to new format/ add QR training codes	Lance Bradley	9-30-24

Note: BP Requirement

Work must be performed in accordance with the information in this BP. If it is determined that work cannot be done as required in the document or that it presents additional risk, you must obtain authorization for variance from the Business Unit Sr. Construction Manager and Business Unit Manager of Safety.