SOP Number   **#014-CPF**

SOP Title   **Constructing Perimeter Fencing**

	NAME	TITLE	SIGNATURE	DATE
Author	Safety Team	Safety Department		
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Authorizer				

SOP no.	Effective Date	Significant Changes	Revision #	Revision Date
014-CPF			**0**	

1. **PURPOSE**

   - This procedure is a guideline on the proper way to construct fence for a facility. Employees at BBGCI will use this as a guide to help them perform their duty in a safe and productive manner.

   - BBGCI will be in compliance with all government regulations as well as the regulations set forth by our clients.

2. **INTRODUCTION**

   - BBGCI understands that all jobs are different. This SOP is set in place as a guideline to help employees understand the proper procedure to follow while constructing a fence for a facility.

3. **SCOPE**

   - This procedure has been set in place for BBGCI personnel who will be performing operations for constructing a fence for a facility.

4. **DEFINITIONS**

   - *Layout* – Use marking paint, string and nails to create ground marks for facility equipment and piping

   - *One Call* - a system through which a person can notify owners/operators of lines or facilities of proposed excavations.

   - *Line Locate* – to determine existence of underground utilities.

   - *Plot Plan* – diagram which shows facility equipment and piping designed location.

   - *Data Point* – beginning reference point established on plot plan

   - *String Line* – string installed a couple inches above ground (on nails) to establish reference points

5. **RESPONSIBILITIES**

   BBGCI Personnel

   1. Participate in tailgate meeting and JSEA.
   2. Understand the scope of work prior to beginning task.
   3. Maintain good communication with all employees involved in this process.
   4. Properly inspect all tools before use.
   5. Make sure One Call (along with BBGCI line locater) is valid and all utility owners have given "all clear" responses
   6. Understand Line Locate Map and Plot Plan

6. **SPECIFIC PROCEDURE**

Constructing Parameter Fencing

(Personnel Involved: BBGCI Personnel)

1. Before work can commence, a one-call must be made with an all clear from all participation utilities. Properly complete all JSEA's, work permits from client for ground disturbance, safety tailgate meetings.

2. Properly inspect all tools to be used.

3. Establish the scope of work, and ensure everyone knows their specific job duty.

4. Verify Elevation and starting point. Run string line parallel from data point.

5. Measure from string line and use marking paint to mark location of corner and center post for the fencing.

6. Drill/dig holes in marked locations where fencing posts will be placed.

7. Lower premade posts into hole and backfill with quickcrete cement. Align, level, and support fencing until concrete is partially set.

8. At pre determined intervals along the string line drive metal T posts into the ground to desired depth.

9. Appropriate fencing material will then be strung on the posts, stretched tight, and secured to the post with appropriate fasteners.

7. **JOB RELATED HAZARDS**

Slips, Trips and Fall Hazards:

- Working and walking on uneven surfaces or rocks

- Nails and string line

Wildlife

Heat Stress

Pinch Points and Line of Fire Hazards:

- Using hand tools

- Unidentified underground utilities

- Driving posts into the ground

- Struck by hammer tools

- Cuts abrasions form fencing

Muscle Strain:

- Bending over to install nails in ground

- Bending over to paint marks on ground

- Improper lifting techniques

8. **REQUIRED PPE**

- Hard hat

- Safety Glasses

- Steel Toe Boots/ Safety Toe Shoes

- Gloves

- Fire Resistant Clothing (Site Specific)

- Personal Gas Monitors (Site Specific)

9. **FORMS/TEMPLATES TO BE USED**

- JSEA

- Work Permits (If Required)

- Client Required Forms

10. **INTERNAL AND EXTERNAL REFERENCES**

10.1 **Internal References**

10.2 **External References**