

Job Scope:
 Phillips 66 is proposing a new cathodic protection facility for its crude oil pipelines. The purpose of this project is to maintain a safe and reliable pipeline system, and to stay in compliance with Department of Transportation regulations. The project would require drilling either; 1 - 10" x 300' deep hole or 2 - 10" x 150' deep holes. The holes would contain anode material used with cathodic protection. The deep holes would terminate above ground approx. 24" with 10" PVC capped and vented. A 240V cathodic protection rectifier would be installed on a 6" x 6" post with cable trenched from the rectifier to existing pipelines. A single drop overhead AC power service would be set next to the rectifier. All above ground facilities would be enclosed in a 10' X 10' chain link fence with privacy screen.



Existing Phillips 66
Crude Pipelines

#2 Cable - Vacuum
trench 18" deep +/-
and attached to
existing P66 pipeline

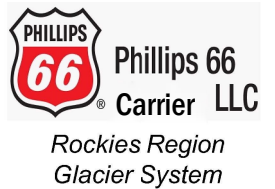
Would require concrete cut-out
of existing walking trail. To be
replaced joint to joint with new
concrete per spec.

10ft X 10ft Chain Link Fence
With Privacy Slats/Screen

Overhead Power
100A Service
N.W.E

Legend

- Deepwell Groundbed
- Rectifier
- Chain Link Fence
- P66 Pipeline
- Positive Rectifier Cable
- Negative Rectifier Cable
- AC Power



Not to Scale

**Proposed Cathodic Protection System
Yellowstone River Road**