GPR SUMMARY REPORT
prepared by FORESITE
July 14, 2020

GPR Summary Report

Project Name: 58CanyonDrPortCosta

Survey Date: 2020-07-13

Report Date: 2020-07-14

Client: Ryan DeGooyer, Homeowner

Site Description: This site is a private residence with open space to the north up steep incline. On a quiet street sloping east to the Bay no hazards were evident.
The purpose of our visit was to determine if a culvert could be detected in the vicinity. No features suggesting it's existence were evident at the surface.
The rear yard was cleared prior to our arrival which enabled our survey on a flat, level surface of hard dirt and cement.
The total distance we could scan east to west was approximately 43 feet and north to south approximately 12 feet, restricted by surface features and buildings or fences.
We used Ground Penetrating Radar to scan the area in linear routes east to west and north to south. Note the thick green line on the attached map.
This technique transmits radio waves at 250 MHz into the soils and density changes reflect back up to the receiver. Our model has a built in GPS location devise to enable mapping of fiducials or marked anomalies.
Screenshot 1 shows a typical reading of the reflections in this area.
Anomalies suggesting hard surfaces approximately 5 feet below grade were noted.
Wood structures are the softer reflections noted on the attached profile image.
The walls of the structure appear quite thick, perhaps 18 to 24 inches. Rocks or boulders are especially evident on the western end at the south of the structure.
Zooming down we noted reflections at approximately 8 feet below grade which is suggesting the depth of the culvert or tunnel is 3 feet. The inside tunnel dimension could be approximately 5 feet wide, note the red line on attached map.
From the outside roof line of the house on its north side the tunnel is approximately 10 feet to the north.
The attached Google image displays our interpretations of the study results.
Ginnies were pounded into the dirt with red and white alert tape for reference.
The approximate center line of the tunnel is noted with an orange line, east to west.
Above and below this are the approximate alignments of the walls, marked in magenta.

Additional Comments: The equipment used in this study included Ground Penetrating Radar in good working order.
No problems occured during our study that can cause mistakes or incidents and delays.
The field work and interpretations were performed by Simon Taylor, a trained utility surveyor since 1984.

MapView.png

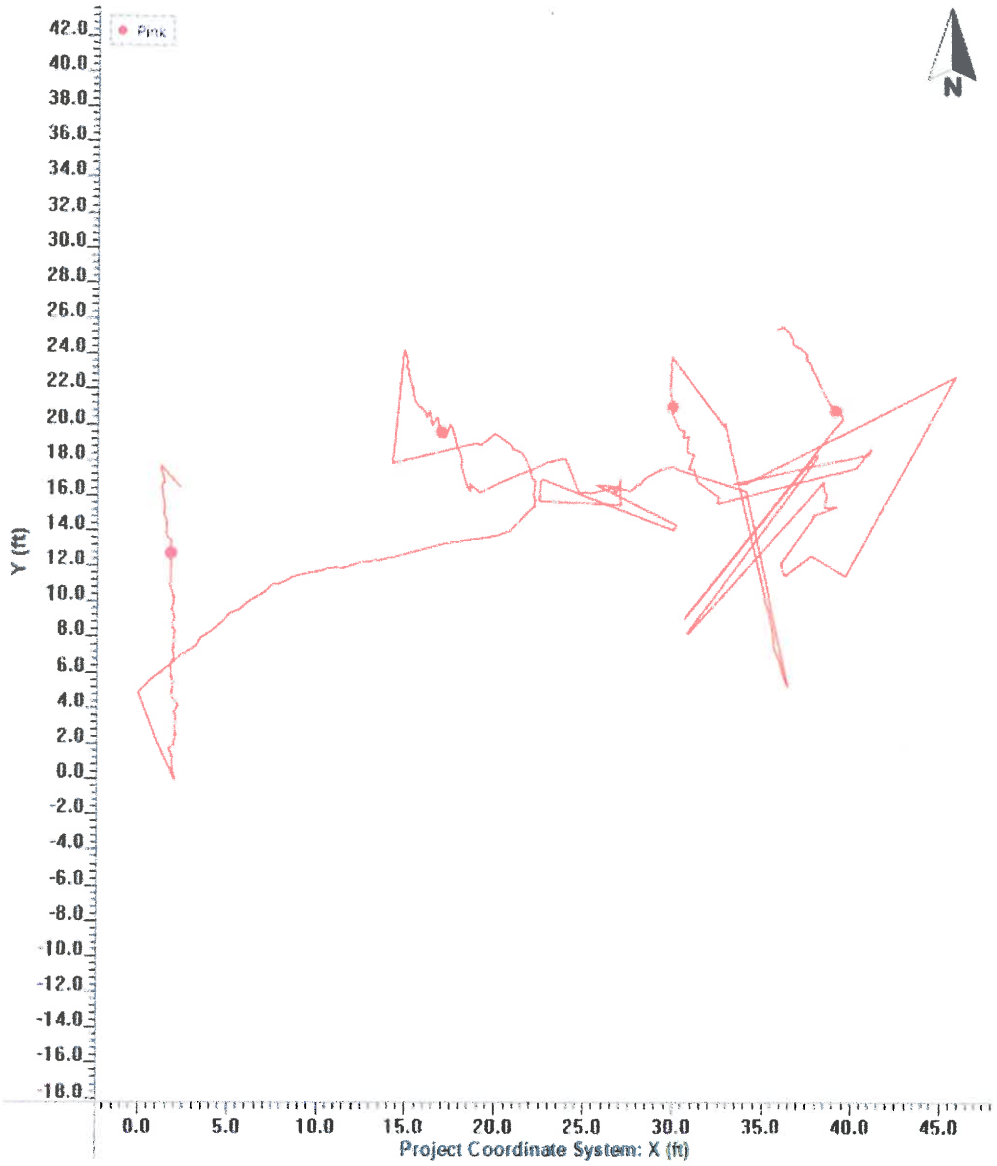

Figure 1

Lineset/line1/GoogleImg-Foresite.jpg

Figure 2

Screenshot_1.jpg

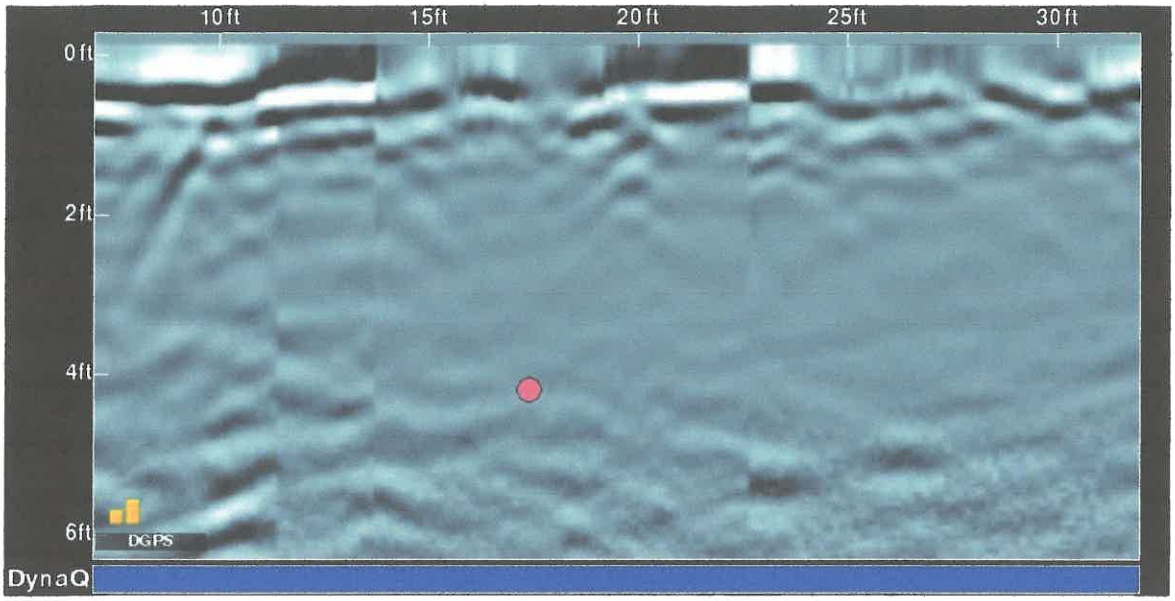

Figure 4

line1-Profile.png

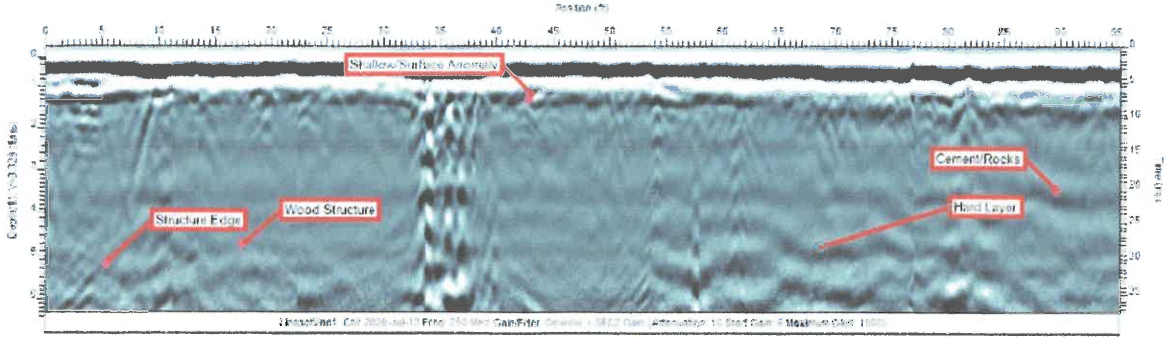

Figure 3