November 13, 2026

To: Mike Rademaker, Crescent City Harbor District CEO, and the Crescent City Harbor District Board of Commissioners

From: Mike Bahr, CEO, Community System Solutions

Board Agenda Item: Review and consider approval of a contract with SHN Engineering, in the amount of $10,300, for surveying, underground utility mapping, and topographic mapping associated with the seawall project.

Background:

As part of the seawall and Citizens Dock project, the existing underground utilities need to be mapped for the entire project area. This includes the proposed relocation site for the freezer units.

In addition, portions of the project area have experienced undermining associated with tidal action. Ground-penetrating radar (GPR), which is included in the proposed scope of work, may help identify subsurface voids and other areas of potential undermining.

The Kimley-Horn project management team contacted survey firms to perform this work. SHN submitted the lowest-priced proposal and offered a short timeline for completing the work.

SHN Proposal for Contracting with CCHD

The attached SHN proposal totals $10,300.

The proposal includes ground-penetrating radar surveying, survey control, potholing, and topographic surveying. SHN will provide the completed topographic survey in PDF format, along with a Civil 3D DWG file containing the survey data.

The proposed work will be funded through the Hazard Mitigation Grant Program (HMGP).

I will attend the Board meeting in person, and Kimley-Horn team members will participate via Zoom to answer any questions about the process and the need for the work.

Thank you,

Mike Bahr
CEO, Community System Solutions

Attachments

- SHN Survey Proposal – Utility Location
- Utility Mapping Location – Scope of Work

Phone: (707) 441-8855 **Email:** info@shn-engr.com **Web:** shn-engr.com
812 W. Wabash Avenue, Eureka, CA 95501-2138

Reference: 026000.006

November 5, 2026

Jerry Holcomb
Ports, Maritime, and Waterfronts
Kimley-Horn
180 E. Ocean Blvd, Suite 1200
Long Beach, CA 90802

Subject: Survey Proposal for Utility Survey of the Citizens Dock Area

Dear Jerry Holcomb:

Project Purpose

The purpose of this survey is to provide a utility location survey of the Citizens Dock area in Crescent City, Del Norte County, California. This project is subject to the Davis-Bacon Act and is a prevailing wage job. The area to be surveyed is shown in Appendix 1.

Project Approach

Survey Control

This survey will be done on the same control, if available, as SHN's November 2023 topographic survey.

Ground Penetrating Radar Survey

SHN will have Sonic Leak Detection (Sonic) perform a ground penetrating radar (GPR) survey of the requested area. When complete, Sonic will leave paint marks for SHN surveys to tie into the project control.

Potholing

SHN will locate up to 10 potholes done by others.

Topographic Survey

The survey will include all existing underground utilities based on a GPR study. SHN will locate the paint marks based on the findings of Sonic. This will be incorporated into the previous topographic survey drawing, and this work will be done by, or under the direct supervision of, a California Licensed Land Surveyor.

Deliverables

- Civil 3D DWG file containing the topographic survey
- PDF file of the topographic survey

3.0 Cost

SHN offers this service for the firm price of $10,300.00. Work will be scheduled with Sonic within 1 week of a fully executed contract. Actual work dates are subject to Sonic's schedule and weather.

SHN will locate the marks within a week of the GPR survey.

Please call me at 707-441-8855 with any further questions.

Thank you,

SHN

Tom Gallup

Tom Gallup, PLS 7768
Senior Land Surveyor

TAG:ame

Appendix 1. Survey Area

Appendix 1. Survey Area

SURVEY AREA





LEGEND:

SYMBOL	INDICATES
ELE	ELECTRIC VAULT
	WATER METER
CO	CLEANOUT
CP#	SURVEY CONTROL POINT = PROJECT BENCHMARKS
	FOUND MONUMENT AS NOTED
DS	DOWNSPOUT
	HOSE BIB
	CONCRETE
MW	MONITORING WELL
CLF	CHAIN LINK FENCE

SCOPE

1) GPR Utility Detection within boundary. Mark utilities

2) Allowance for up-to 10 potholes

3) Provide CAD Map of utilities in area along with report on type and depth of utilities in the area.



No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL
LIC PROF 1

STATE LICENSE NUMBER
LIC PROF 1 #

DATE: ----

KHA PROJECT 297057001
DATE 10/8/2026
SCALE AS SHOWN
DESIGNED BY ----
DRAWN BY ----
CHECKED BY ----

SEAWALL TIE-IN LOCATION

CITIZENS DOCK SEAWALL AND PIER REPLACEMENT
PREPARED FOR
CRESCENT CITY HARBOR DISTRICT

SHEET NUMBER

Plotted By: Holcomb, Jerry Sheet Set: Kha Layout: Fig2 October 16, 2026 08:25:27pm
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