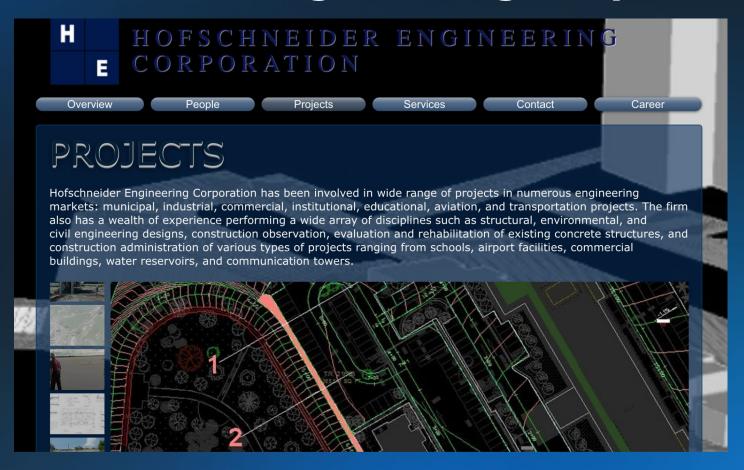


GIS Cloud

Hofschneider Engineering Corporation



Use Case

Civil engineering company that uses GIS Cloud to collect data on housing projects, where they note down every part of the project from start to finish as construction progresses.

For each part of the project, 14 reports are created. Using GIS Cloud, they hope they will avoid duplication of the data, collecting the same information and wasting time on writing reports.

The projects are shared with the client (NMHC), who is funding the project, through Map Viewer and History app.

The ultimate benefit is the ability to generate timely and accurate reports for overseeing agencies so as not to lose funding, incur penalties, or degrade their reputation and quality of work.

Challenge

Used pen & paper: Too much time lost on manual data collection; duplication; hard to manage

Solution

Custom History App provides a clear and structured overview of every stage and phase of the construction process. The app serves as a centralized platform where all project data, updates, and milestones are recorded as construction progresses.

They can easily navigate through different phases, review detailed information for each part of the project, and generate custom reports covering any segment (from the project's start to completion).

This system enables efficient tracking, documentation, and reporting, ensuring full transparency and consistent communication across all project stakeholders.

Benefit

Centralized progress tracking, historical data access, easier overview. Enables timely and accurate reporting to oversight agencies that prevents funding loss, penalties, and reputational damage.

www.giscloud.com

Construction process phases:

Civil design submittal

Civil observation report

Pre-construction checklist

NCIC mobilization phase

Engineering site survey

Structural observation report

Architectural Observation

Electrical, Mechanical, Communication, Fire Protection Observation

Plumbing Observation

Housing Project Weekly Site Report

DR Housing New Construction Final Inspection

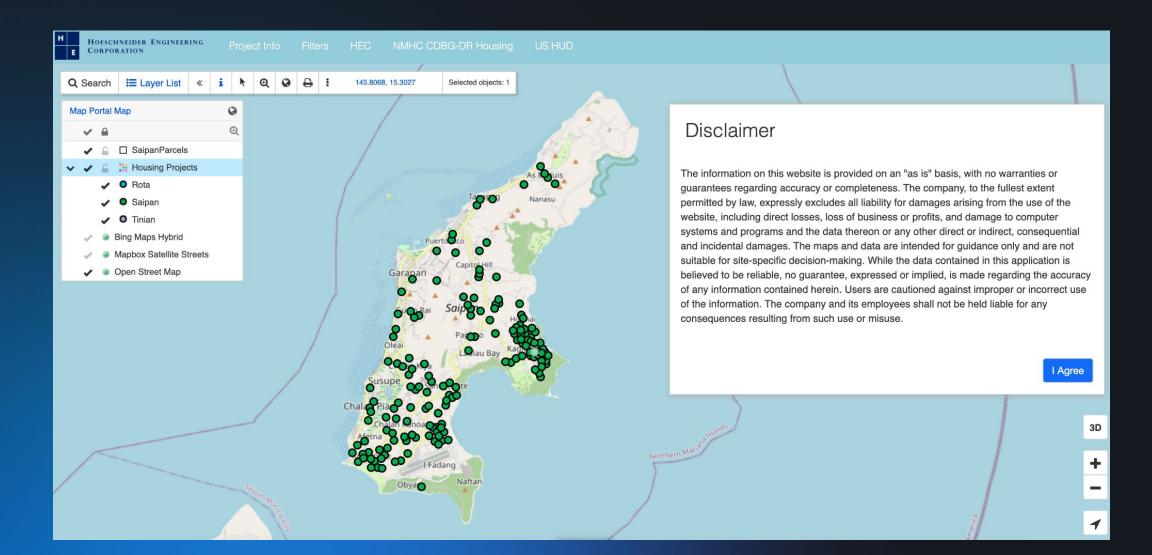
New Construction Inspection Checklist

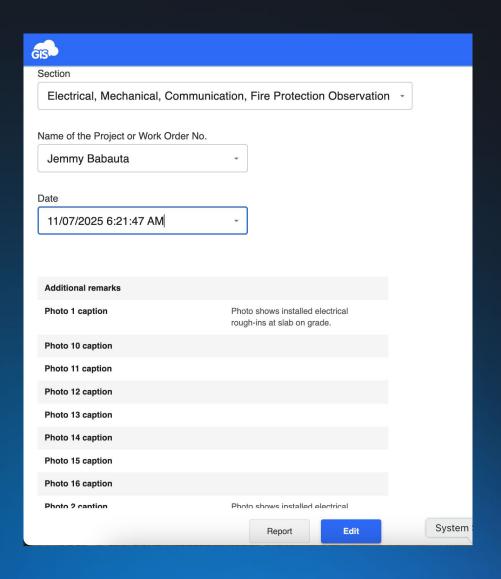
Pre-final/Final Inspection Checklist

Renovation Progress

Public Portal

To enhance transparency and provide a clear overview of project progress, ensuring compliance with legal requirements and maintaining eligibility for funding





History app

Clear and structured overview of every stage and phase of the construction process. The app serves as a centralized platform where all project data, updates, and milestones are recorded as construction progresses.

They can easily navigate through different phases, review detailed information for each part of the project, and generate custom reports covering any segment (from the project's start to completion).



NORTHERN MARIANAS HOUSING CORPORATION

Community Development Block Grant – Disaster Recovery (CDBG-DR) Division P.O. BOX 500514, Saipan, MP 96950-0514

Email: cnmi-cdbg-dr@nmhcgov.net

Website: http://www.cnmi-cdbgdr.com

Tel's: (670) 233-9447, 233-9448, 233-9449, 233-9450 Fax: (670) 233-9451

HOFSCHNEIDER ENGINEERING CORPORATION

CERTIFICATION

HOUSING PROJECT WEEKLY SITE REPORT

Applicant: Nathan John T. Sasamoto	DRP No.: DRP-125	
File ID No.: 21-DR-HBNC-316	Project Location: Kagman 011 G 1097	
Contractor: Tangs Corporation Site Foreman:	CDBG-DR Inspector(s): Team C	
Project Type: New Construction	House Layout Plan: 3BR / 2B ADA	
Inspection Date: 2024-07-24		

Work performed

Construction Site Activities	Contrac	Contractor Personnel	
	NO.	Position	
	1	Equipment Operator	
	2	General Helper	
Demolition of existing structure in progress.			
	Total Contractor Personnel: 3		
Remarks	CDBG-DR Personnel:		
	NO.	Position	
	2	Inspector	
	Total CDBG-DR Personnel: 2		

Report Prepared By

Reports

Custom reports tailored to client needs, covering every project segment from start to completion, eliminating the need for manual, paper-based report creation

GVIL + ENVIRONMENTIAL + STRUCTURAL ENGINEERING + PERMITS + MININGEMENT 2** Floor JET Bldg. Gualo Rai PMB 388 PO Box 10000 Seipen, MP 96950 P- 670.234.2362 234.2363 | F- 670.234.2361 | Email: info@hofschneider-eng.com **Engineering Site Survey** Jessica Ch. Basa Hofschneider Engineering Corporation Chalan Kanoa Lot No: 015 H 43 Tel: 234-2362 Fax: 234-2361 Saipan, CNMI 96950 Project type: New Construction 2BR / 1B Work Order No.: DRP-123 NTP Date: 06/ Grant No.: 21-DR-HBNC-049 Contract End Date: 02/ HOFSCHNEIDER ENGINEERING CORPORATION Contractor: REM Builder Completion Date: 02/ **Architectural Progress Report** Site Foreman Franklin R. Demapan **Hofschneider Engineering Corporation** As Gonno Lot No: 031 L 07 Ambient Temperature: °F Tel: 234-2362 Fax: 234-2361 Time Ending Inspection: Sainan, CNMI 96950 Project type: New Construction 2BR / 2B ADA PLOT MAP: Work Order No.: 2024-DR-HEC-05: NTP Date: 06/16/2025 Grant No.: 21-DR-HBNC-527 Contract End Date: 12/13/2025 Contractor: Eagle Construction Completion Date: 12/13/2025 Site Foreman Time Beginning Inspection: 09:25 Weather Conditions: Cloudy Ambient Temperature: 88 °F INSPECTION TYPE(S) COVERAGE **Physical Completion** Wall Finish Wall Finish Plastering 76% - 90% Wall Finish Surface Preparation 76% - 90% ■ Wall Finish Painting Wall Finish Wall Tile and Grout ■ Wall Finish Base 4" Paint Finish Floor Finish Smooth Concrete Finish Floor Finish Vinyl Tile and Adhesive ✓ Floor Finish Ceramic Tile and Grout 76% - 90% THE CONTRACTOR IS RESPONSIBLE FOR THE: CORRECTNESS OF DETAILS, DIMENSIONS, SIZES AND QUANTITIES, FABRICATI OCESS AND TECHNIQUES, CERTIFICATION, COORDINATION, AND SATISFACTORY PERFORMANCE OF ALL WORK WITH THE APP PLANS AND AGREEMENT WITH THE HOMEOWNER. Ceiling Finish INSPECTOR(S): Ceiling Finish Surface Preparation 76% - 90%