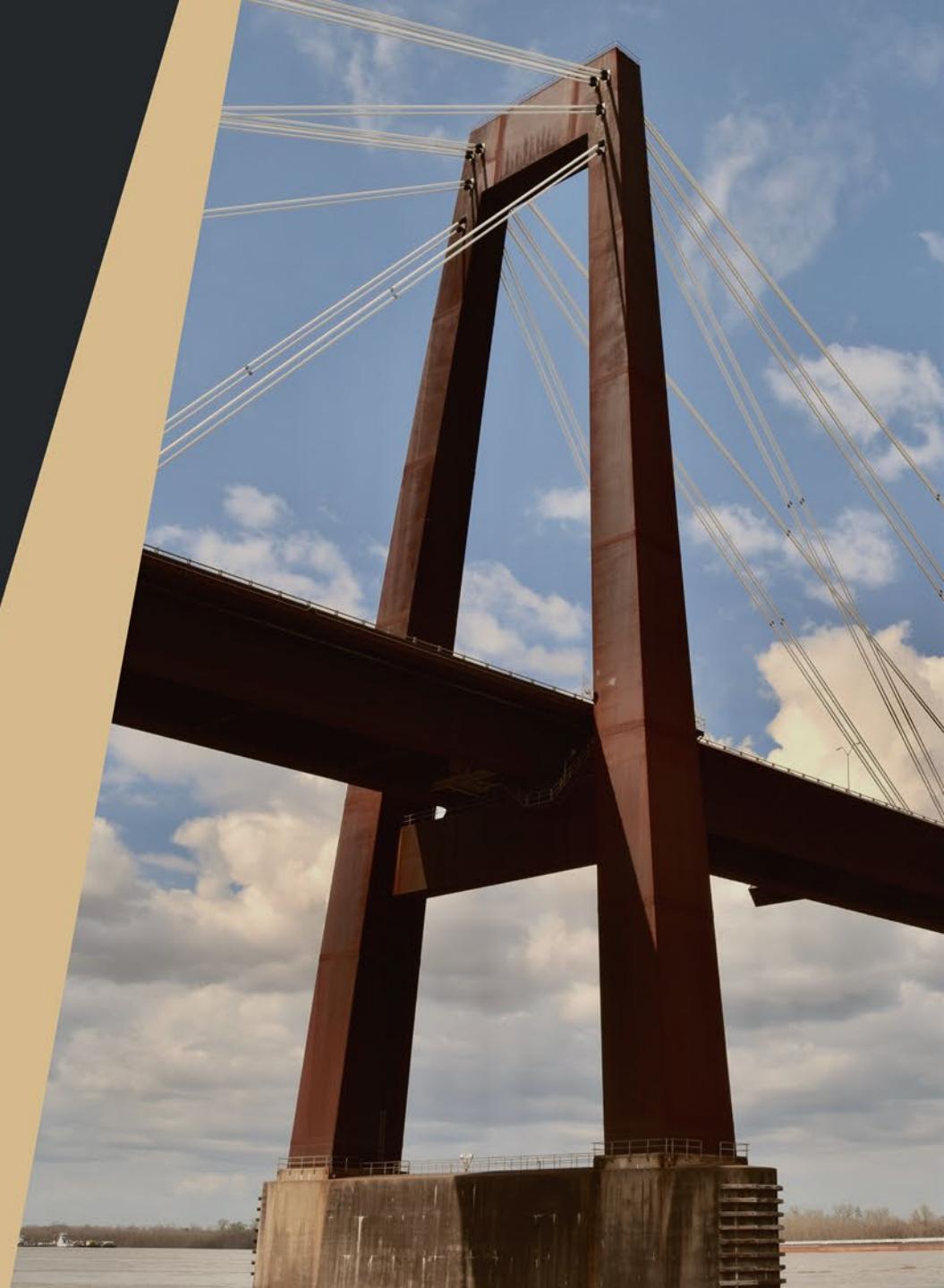


Geographic Information Systems (GIS)

Council Presentation
January 12, 2026

Luis Martinez, Director



GIS Accomplishments 2025

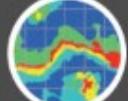
- **Launched GIS Hub**
 - Internal & external access to maps
- **Enterprise Migration to Data Center**
 - Portal and ArcGIS Online replication
- **Developed GIS Monitor**
 - Analyze and optimize the health of GIS system.
 - Provides timely and insightful system metrics on the status, availability, usage, system performance, and resource usage.



St Charles Parish Interdepartmental GIS Access

Parish Employee Access GIS Maps & Applications

These services are restricted and available to authorized users only. If you would like to access the maps, please contact the GIS Office.

| | | | |
|--|---|--|--|
|  Drainage |  Wastewater |  Planning |  Waterworks |
| View Drainage Map | View Sewerage Map | Parcel & Zoning Data | Water & Sampling Sites |
|  Report It. Manager |  Risk Mobile |  Risk Manager | |
| View Requests | Collect Risk Data | Open Mobile App | Launch Application |

Public Access GIS Maps & Applications

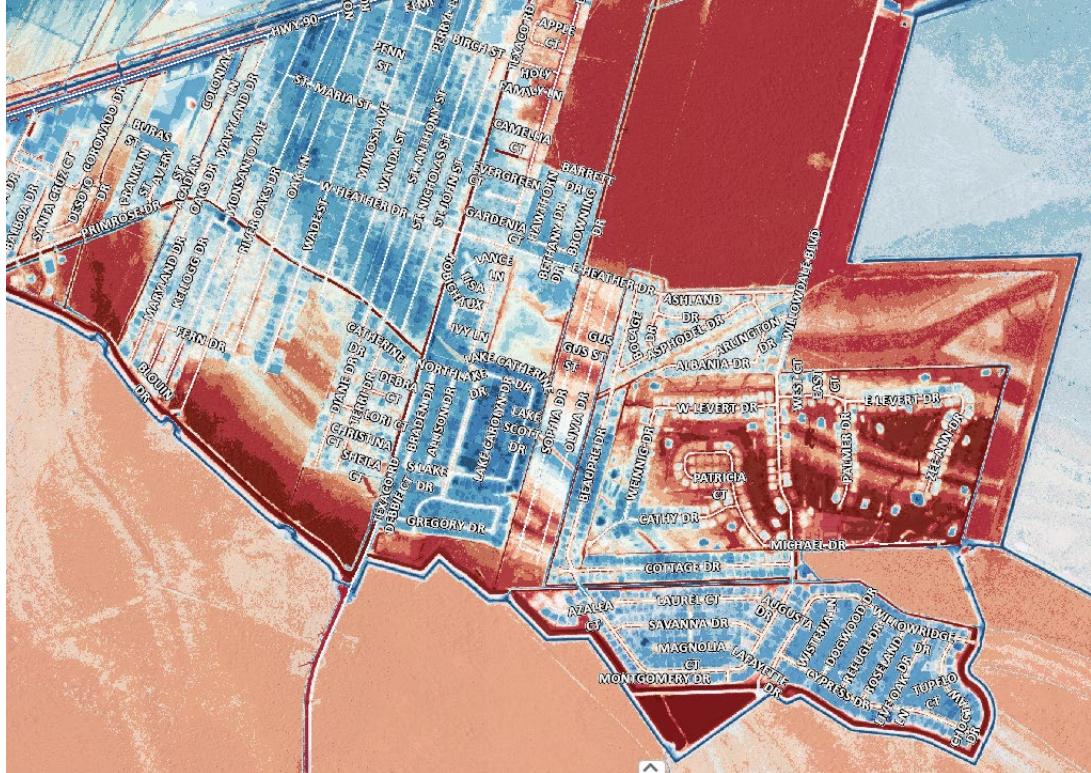
Under Development

These services are unrestricted and available to the public. If you have any problems accessing the maps, please contact the GIS Office.

| | | | |
|--|--|--|---|
|  ReportIt. |  Zoning Map |  Flood Maps |  Council Districts |
| Report Streetlight Outages | View Zoning Districts | View Flood Risk | St. Charles Parish Council Districts |
|  Future Land Use |  Recreation |  Historic Sites |  Land Coverage |
| Future Land-Use Plan | Parcels & Recreational Areas | View Historic Landmarks | Land Coverage |
|  Elevation Contours | | | |
| Elevation Contours Viewer | | | |

GIS Milestones 2026

- New LiDAR image acquisition
 - Flyover in January or February
- Drainage GPS Acquisition
 - Transition to National Spatial Reference System (NSRS)
 - Focus on priority areas, Norco, Old Luling, and Mimosa
- Launch Flood Risk Information System
 - Elevation Certificates now stored in GIS Cloud database
 - Accessible to residents
 - Create Communication Log for FEMA



Questions/Comments

- **GIS Hub**
 - <https://internal-scpgis.hub.arcgis.com>
- **Flood Map (BETA)**
 - <https://floodmap.scpgis.com>



Flood Risk Information System - Manager

 St. Charles Parish
Flood Risk
Information System

 Home  Layers  Legend

Welcome to the Flood Risk Information System

Use this application to search for and explore property information, including **Flood Risk Reports** and **Elevation Certificates**.

How to Get Started

Click on "**Workflows**" button in the **top-left** of the map:

Locate Property by Address

1. Start typing an address.
2. Select a matching address from the list.
3. Then choose:
 - **Zoom to Address**
 - **Generate Flood Risk Report**
 - **Download Elevation Certificate**

Locate Property by Owner

1. Start typing the owner's name.
2. Select from the suggestions.
3. Use the parcel selector to pick one or more properties.
4. Then choose:
 - **Zoom to Address**
 - **Generate Flood Risk Report**
 - **Download Elevation Certificate**

Add Elevation Certificate

Upload a new Elevation Certificate file for a property.

Address Search

 Workflows

 **Locate Property by Address**
Locate property by address and download reports

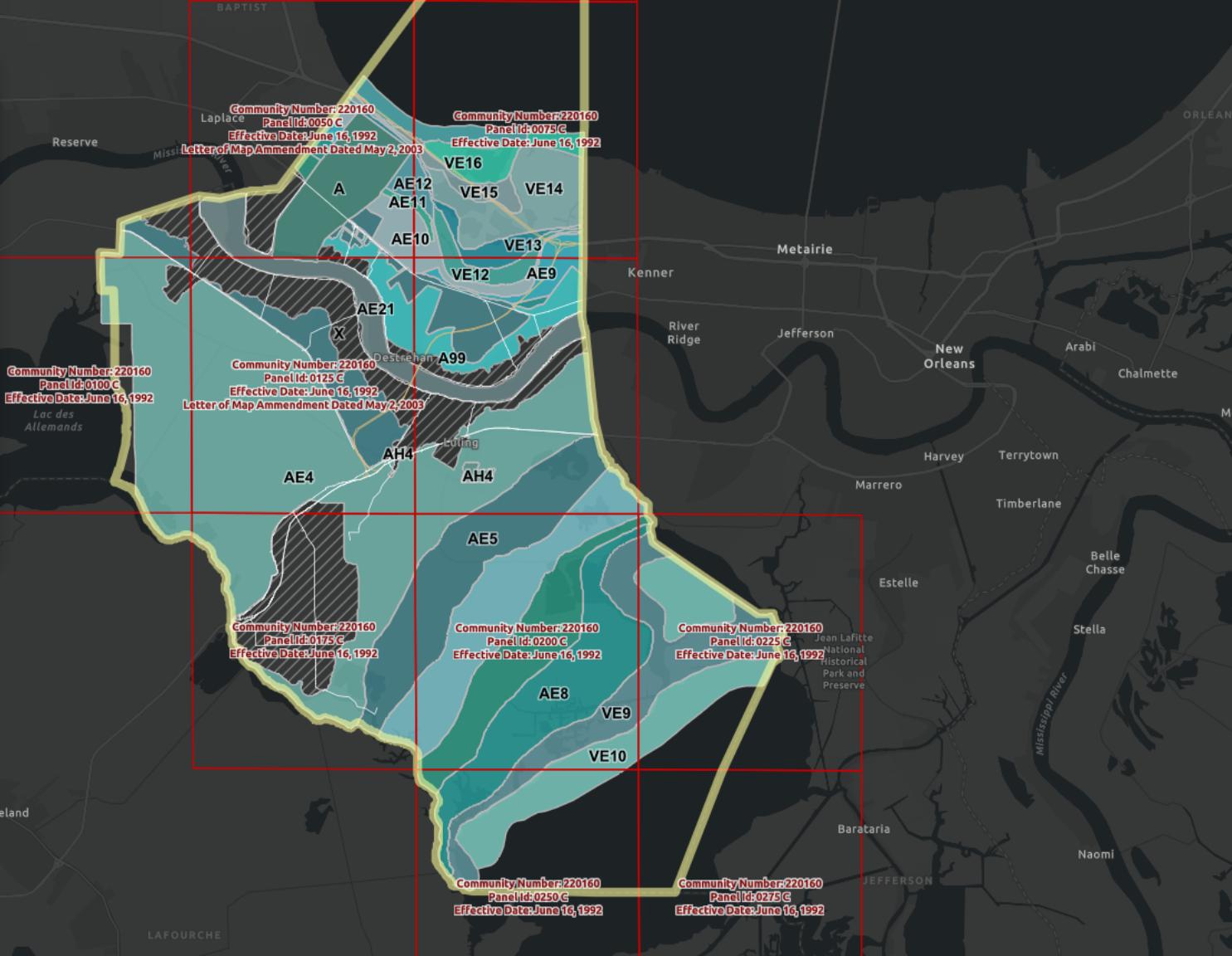
 **Locate Property by Owner**
Locate property by owner name and download reports

 **Add Elevation Certificate**
Add an Elevation Certificate file to an address point

 **Delete Elevation Certificate**
Delete an Elevation Certificate file from an address point

 **Add Request Log**
Add a Request Log entry and download relevant files

 **Contact Log Report**
Generate a Contact Log Report of requests within a specified date range



Map showing flood zones (A, AE, VE) and community numbers (e.g., 220160, 0050 C, 0075 C, 0100 C, 0125 C, 0175 C, 0200 C, 0225 C, 0250 C, 0275 C) overlaid on a grid. The map also shows the Mississippi River, Lake Pontchartrain, and various towns like Laplace, Kenner, and New Orleans.

Scale 261832

CONANP, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS

Powered by Esri

Flood Risk Information System - Manager

St. Charles Parish
Flood Risk
Information System

Add Elevation Certificate

Address Search *
106 GENERAL TAYLOR DR

Zoom to Address

Certificate Details

Date *
01/10/2026

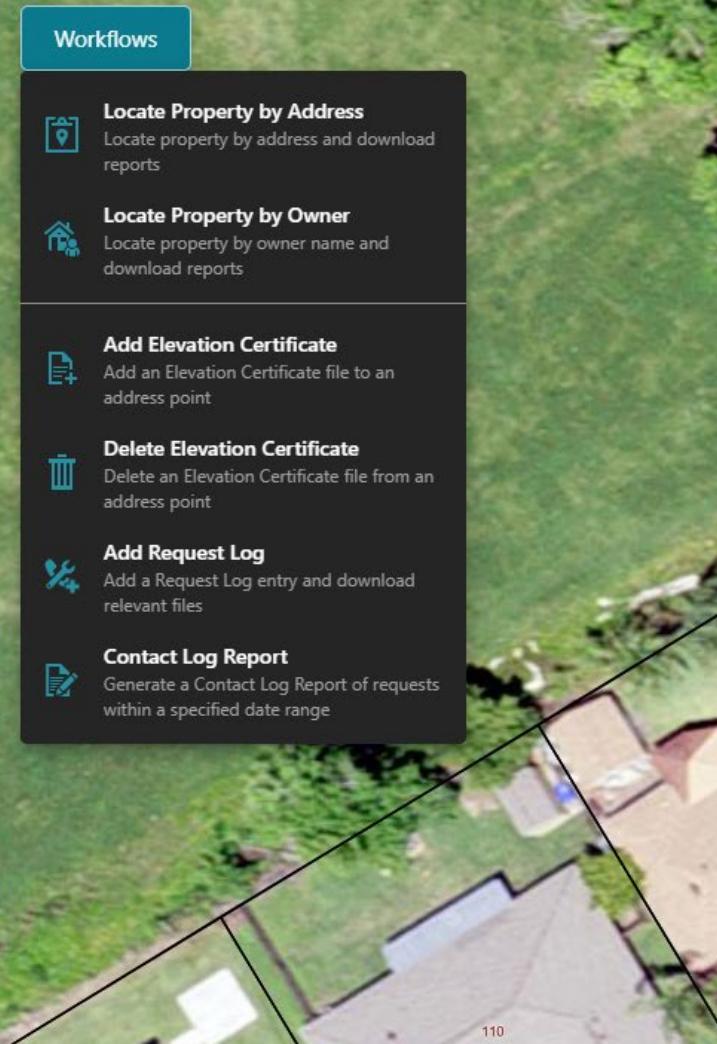
Notes

Elevation Certificate *
Upload a PDF, JPEG, or PNG.
+ Add File

Add Elevation Certificate Close

Workflows

- Locate Property by Address
Locate property by address and download reports
- Locate Property by Owner
Locate property by owner name and download reports
- Add Elevation Certificate
Add an Elevation Certificate file to an address point
- Delete Elevation Certificate
Delete an Elevation Certificate file from an address point
- Add Request Log
Add a Request Log entry and download relevant files
- Contact Log Report
Generate a Contact Log Report of requests within a specified date range



Report Generated On: 1/11/26

Contact Log Report

Date Range: 11/01/2025 - 01/10/2026

| Total Requests | |
|------------------------|---|
| All | 7 |
| Elevation Certificates | 1 |
| Flood Reports | 6 |

| Date Requested | Request Type | Address | Notes |
|----------------|-----------------------|-----------------------|--|
| 12/02/2025 | Flood Report | 108 GENERAL TAYLOR DR | this is a test |
| 12/05/2025 | Flood Report | 1104 PAUL MAILLARD RD | Customer requested flood zone |
| 12/05/2025 | Flood Report | 341 KENNEDY ST | |
| 12/11/2025 | Flood Report | 3869 BAYOU GAUCHE RD | |
| 12/23/2025 | Flood Report | 100 ALPHA DR STE | Request from Kenny from Riverlands Surveying Actual address request is for 151 Alpha Drive (lot E-3B-1) |
| 12/30/2025 | Elevation Certificate | 208 BARTON AVE | VERTIGIS TEST |
| 01/02/2026 | Flood Report | 504 ST. ROSE AVE | Request from Community Services |

Flood Risk Information System - Public



St. Charles Parish Department of Planning & Zoning
14996 River Rd., Hahnville, LA 70051 Phone: (985) 783-5060

Report Generated On: 1/11/26

Flood Risk Report

106 GENERAL TAYLOR DR, HAHNVILLE LA
70057
17422-105100000281

Elevation Summary (NAVD88)

| | |
|-----------------------|--|
| Effective FIRM w BFE | X |
| Base Flood Elevation | N/A - Property located in X Zone |
| Ground Elevation | 6.7 ft |
| Preliminary DFIRM BFE | 0.0 ft |
| Potential Flood Depth | N/A. Either ground elevation is higher than Base Flood Elevation or property is located in Flood Zone X. |



Property Details

| | | | |
|-------------------------|--|-------------------|--------------------|
| Flood Zone | X | Lot / Block | 281 / |
| Effective FIRM Panel ID | 0125 C | Subdivision | FASHION PLTN. EST. |
| FIRM Community # | 220160 | Community / State | HAHNVILLE, LA |
| FIRM Effective Date | June 16, 1992 | Acres | 0.2112 |
| Requirements | No mandatory requirements to purchase flood insurance. | | |

Ownership

| | |
|-----------------|--|
| Owner(s) | MARTINEZ, LUIS A.; |
| Mailing Address | 121 GENERAL LEE DR HAHNVILLE LA 70057- |

Environmental and Determinations

| | | | |
|----------|----|---------------------|-----|
| Wetlands | No | Historic Flood Area | Yes |
|----------|----|---------------------|-----|

U.S. DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
National Flood Insurance Program

30027

OMB No. 1660-0008
Expiration Date: November 30, 2018

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

| SECTION A – PROPERTY INFORMATION | | FOR INSURANCE COMPANY USE | | | |
|--|----------------------|---------------------------------------|---|------------------------|--|
| A1. Building Owner's Name Orlando A. Medina | Policy Number: | | | | |
| A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 204 Union Drive | Company NAIC Number: | | | | |
| City Hahnville | State Louisiana | ZIP Code 70057 | | | |
| A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 285 Fashion Plantation Estates Phase II | | | | | |
| A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <input checked="" type="checkbox"/> Residential | | | | | |
| A5. Latitude/Longitude: Lat. 29.9517 Long. 090.4087 Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983 | | | | | |
| A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance. | | | | | |
| A7. Building Diagram Number <u>1A</u> | | | | | |
| A8. For a building with a crawlspace or enclosure(s): | | | | | |
| a) Square footage of crawlspace or enclosure(s) | sq ft | | | | |
| b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade | | | | | |
| c) Total net area of flood openings in A8.b | sq in | | | | |
| d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | |
| A9. For a building with an attached garage: | | | | | |
| a) Square footage of attached garage | 700 sq ft | | | | |
| b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade | 0 | | | | |
| c) Total net area of flood openings in A9.b | 0 sq in | | | | |
| d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | |
| SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION | | | | | |
| B1. NFIP Community Name & Community Number St. Charles Parish, 220160 | | B2. County Name St. Charles Parish | | | |
| B3. State Louisiana | | | | | |
| B4. Map/Panel Number 220160 0125 | B5. Suffix C | B6. FIRM Index Date 08/16/1992 | B7. FIRM Panel Effective/Revised Date 08/16/1992 | B8. Flood Zone(s) X | B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth) NA |