

**Attachment “A”  
PERMIT DRAWINGS**

**Eden Street**

***Section 29, T-8-S, R-14-W*  
Waveland, Hancock County, MS**



<p><b>FIGURE 1</b></p> <p>Purpose: Permit Drawing          Base Map: ESRI USA Topo Maps          Source: USGS, NGS &amp; i-cubed          Map Date: August 1, 2022</p> <p><b>NORTH</b></p> <p>0 0.4 0.8 1.2 1.6 Miles</p>	<p><b>PROJECT LOCATION MAP</b></p>  <p><b>ECOLOGICAL ASSET MANAGEMENT, LLC</b></p>	<p><b>Permit Drawing for +/- 1.04 ac. Project Area on Eden &amp; Fiesta Streets</b></p> <p>Location: Waveland, MS          Portion of Section 29;          Township-8-South; Range-14-West          County: Hancock County, MS</p>
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Figure 1. Project Location

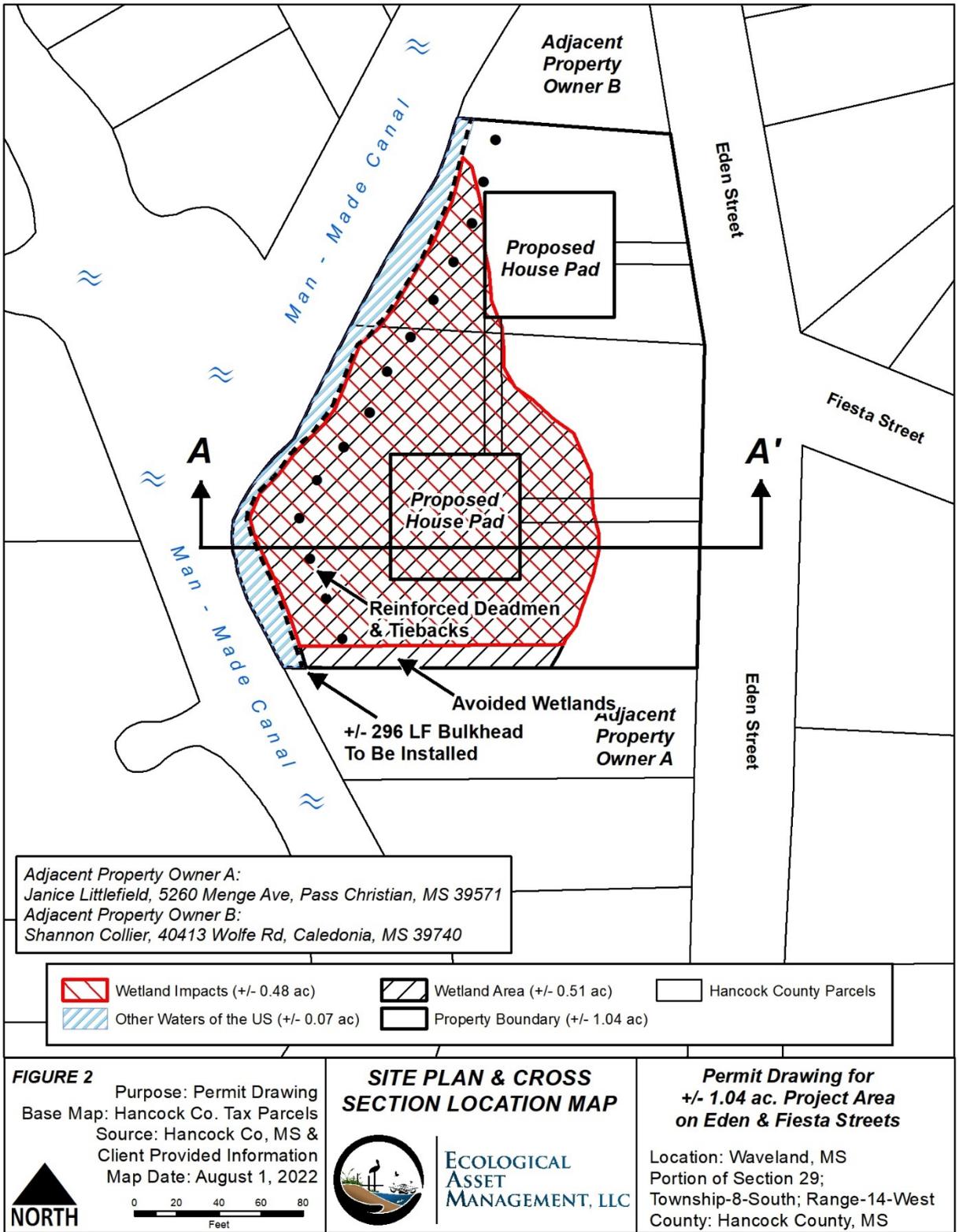
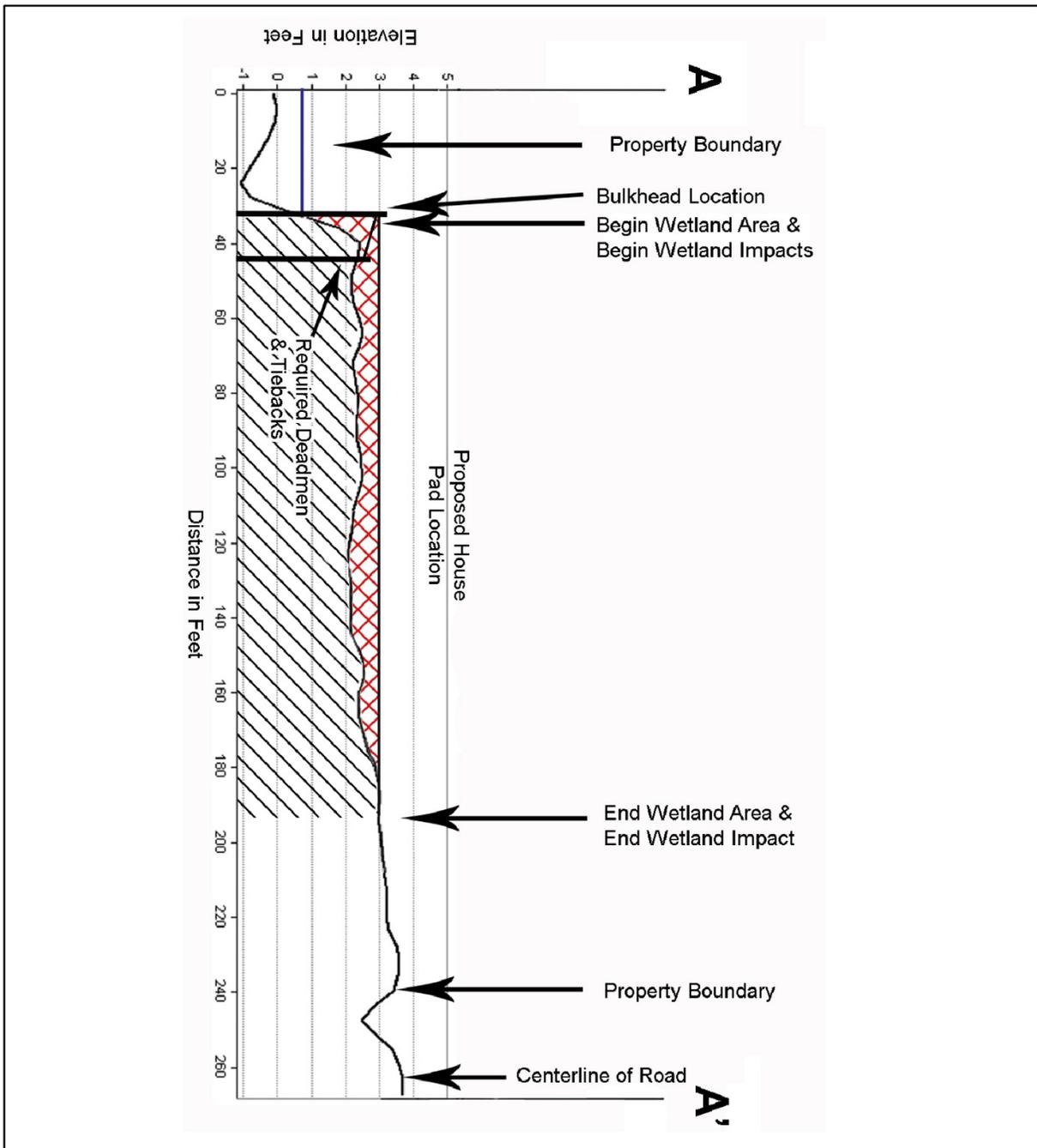
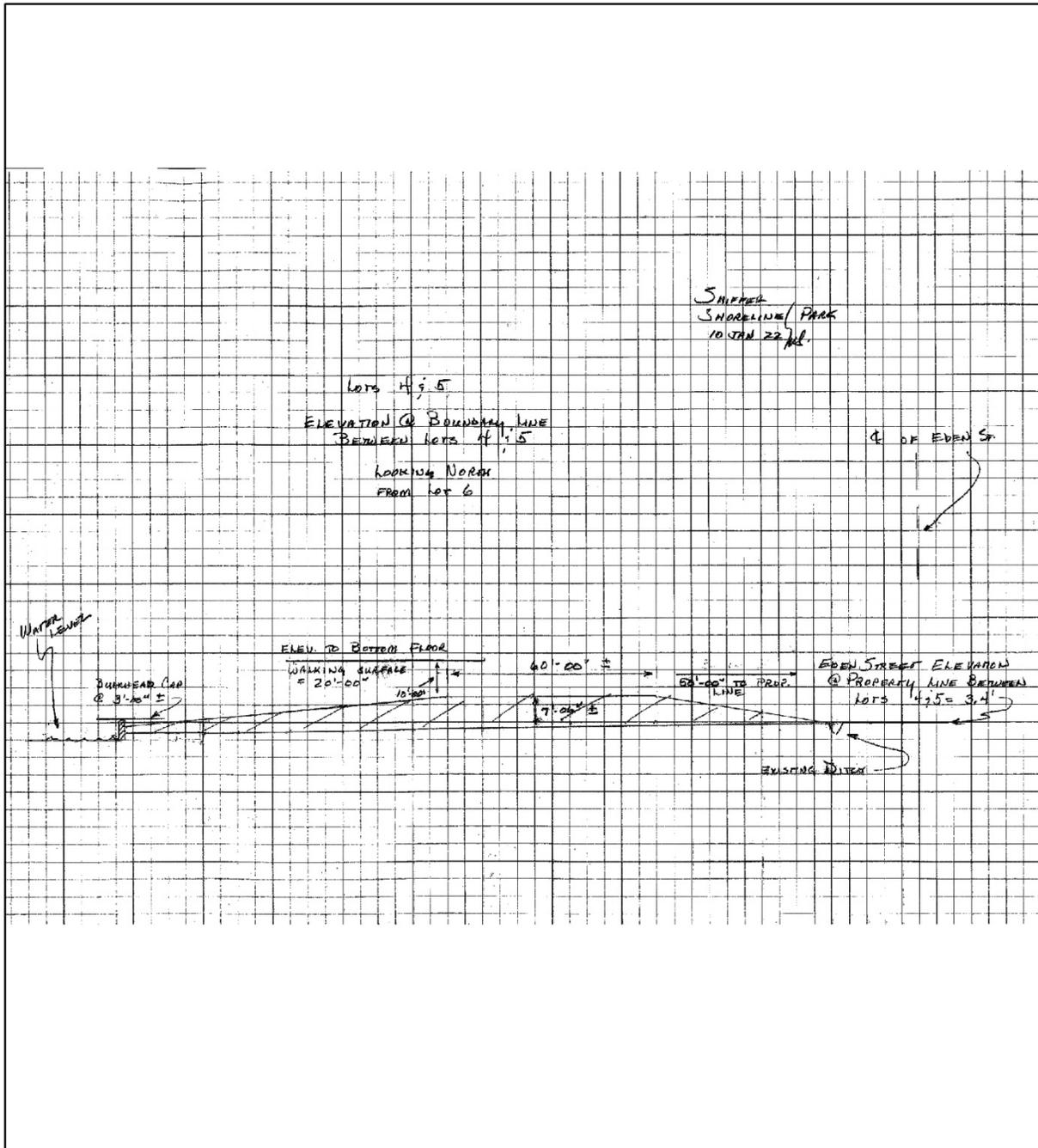


Figure 2. Site Plan & Cross Section Location



<p><b>FIGURE 3</b> Purpose: Permit Drawing          Base Map: USGS (2014) LiDAR          Digital Elevation Model          Source: MARIS &amp; EAM          Map Date: August 1, 2022</p> <p><b>NORTH</b></p> <p><b>SCALE: As Shown</b></p>	<p><b>TYPICAL CROSS SECTION MAP</b></p>  <p><b>ECOLOGICAL ASSET MANAGEMENT, LLC</b></p>	<p><b>Permit Drawing for +/- 1.04 ac. Project Area on Eden &amp; Fiesta Streets</b></p> <p>Location: Waveland, MS          Portion of Section 29;          Township-8-South; Range-14-West          County: Hancock County, MS</p>
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Figure 3. Typical Cross Section Drawing



**FIGURE 4**  
 Purpose: Permit Drawing  
 Base Map: Local Elevation Data  
 Source: Client Provided Drawing  
 Map Date: August 1, 2022  
**SCALE: As Shown**

**SITE PROFILE  
 VIEW LOOKING NORTH**



**ECOLOGICAL  
 ASSET  
 MANAGEMENT, LLC**

**Permit Drawing for  
 +/- 1.04 ac. Project Area  
 on Eden & Fiesta Streets**

Location: Waveland, MS  
 Portion of Section 29;  
 Township-8-South; Range-14-West  
 County: Hancock County, MS

Figure 4: Site Profile View Looking North

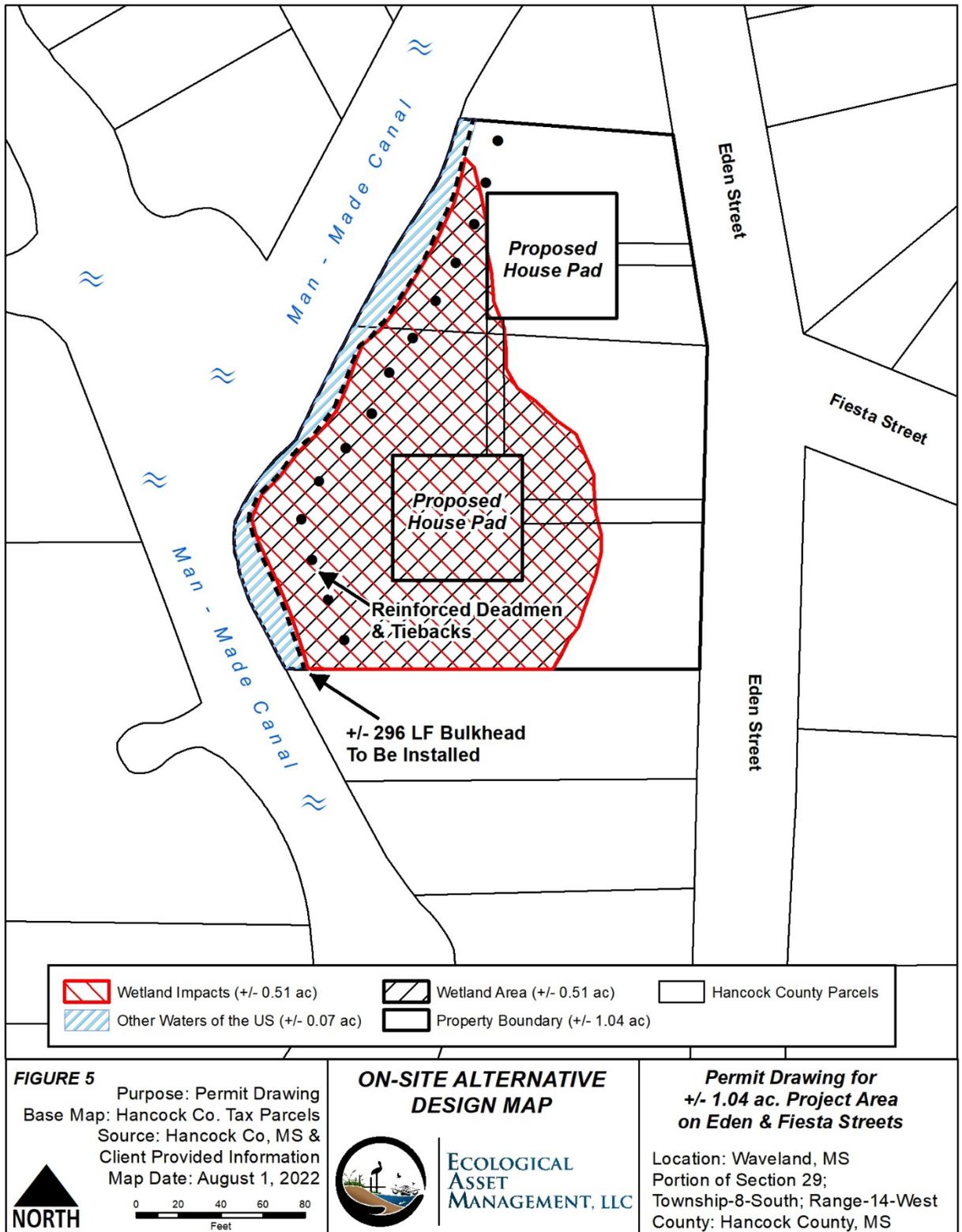
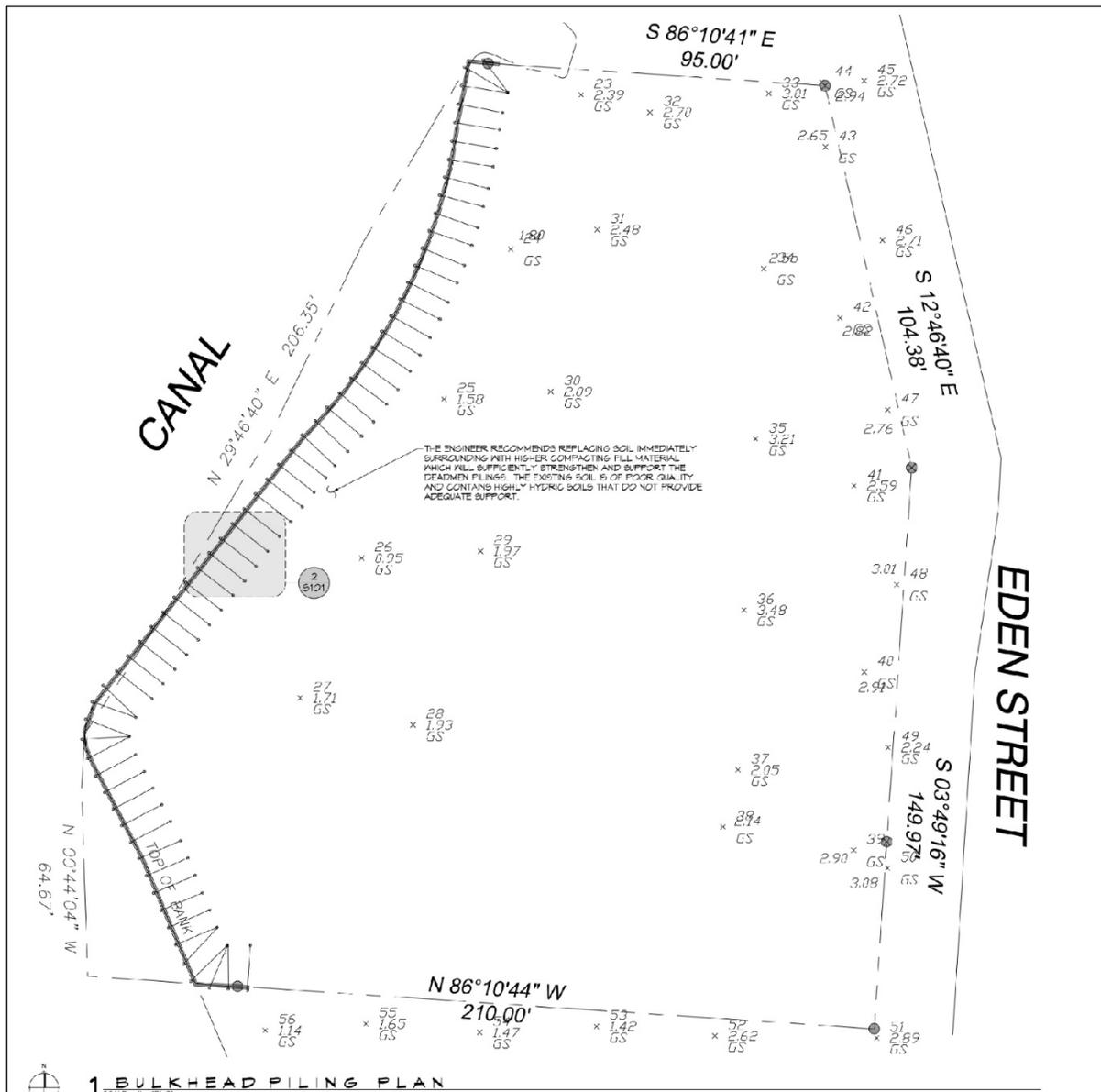


Figure 5: On-site Alternative Design



<b>S101</b> <small>SCALE: 1" = 50'</small>	<b>NEW BULKHEAD</b> CONSTRUCTION PLAN LOT 2 TRIM 6, BLOCK 131 SHORELINE PARK SUBDIVISION (PART 1), CITY OF BAY ST LOUIS, HANCOCK COUNTY, MISSISSIPPI		REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DESCRIPTION	DATE				<p>154 Old Spanish Trail          Slidell, LA 70575          PH: 985-549-5422          www.dammonengineering.com          info@dammonengineering.com          Fax: 985-549-2552</p>
	NO.		DESCRIPTION	DATE						
JOB NO.: DRAWN BY: CMC CHECKED BY: DWH	DATE: 05/05/2022 <small>Professional Engineer Seal for Dammon Engineering, Inc.</small>									

<b>FIGURE 6</b> Purpose: Permit Drawing Base Map: Bulkhead Plan Source: Dammon Engineering, Inc. Map Date: August 1, 2022	<p><b>NORTH</b></p>	<p><b>SCALE: As Shown</b></p>	<p><b>ECOLOGICAL ASSET MANAGEMENT, LLC</b></p>	<p><b>CONSTRUCTION BULKHEAD PLAN</b></p>	<p><b>Permit Drawing for +/- 1.04 ac. Project Area on Eden &amp; Fiesta Streets</b></p>
				<p>Location: Waveland, MS          Portion of Section 29;          Township-8-South; Range-14-West          County: Hancock County, MS</p>	

Figure 6: Construction Bulkhead Plan View



**Attachment “B”**  
**AGENT AUTHORIZATION**

**Eden Street**

*Section 29, T-8-S, R-14-W*  
**Waveland, Hancock County, MS**



## MISSISSIPPI DEPARTMENT OF MARINE RESOURCES

### Agent Authorization

I authorize the person(s) and/or company listed below to act as my agent regarding the proposed project as described in the Joint Application and Notification at the location listed below:

Ecological Asset Management

c/o Mitch Tinsley

(name of agent)

803 Highway 90

(address)

Bay St. Louis, MS, 39520

(city, state, zip code)

C: 228-324-9093, O: 228-231-1077

(agent phone number)

Eden & Fiesta Streets

(location of project)

Section 39: Township 8-South; Range 14-West

Waveland, Hancock County, Mississippi

MARK C. SHIFFER

(print applicant name)

Mark C. Shiffer

(applicant signature)

10 March 2022

(date)

Do you want the permit mailed to the agent?  Yes  No

Figure B-1: Signed Agent Authorization

**Attachment “C”**

**ENVIRONMENTAL ASSESSMENT**

**Eden Street**

*Section 29, T-8-S, R-14-W*  
**Waveland, Hancock County, MS**

## **Environmental Assessment**

### **Project Description**

The project consists of the proposed construction of two single-family residential homes on a +/- 1.04-acre project area in Waveland, MS. The subject property is more specifically located in Section 29, Township-8-South, Range-14-West (Figure 1), Waveland, Hancock County, MS.

The project will entail land clearing and the permanent filling of +/- 0.48 acres of low-quality jurisdictional wetlands. The filling of the property will require +/- 775 cubic yards of sandy clay material sourced from an approved Mississippi mining pit. Best management practices will be employed to ensure that the fill material will not contaminate surrounding wetlands and/or other waters of the U.S.

### **Purpose and Need for Project**

The purpose of the project is to develop two single-family residential homes for the applicant and his immediate family. The project, as proposed, allows for the construction of all improvements necessary for the development of two single-family residences zoned by the City of Waveland as Single-Family Residential (R-1).

This site location is ideally located on Eden Street within Shoreline Park, which is a growing community that hosts many waterfront properties. The proposed site exists along a man-made canal that stems from Bayou La Croix. The proposed project location is situated less than a mile from the Highway 603 traffic corridor that connects Highway 90 to Interstate 10. Its location near Highway 603 grants easy access to newly erected commercial store fronts, healthcare offices and restaurants, and it is 15 minutes from Old Town Bay Saint Louis. Additionally, the newly developed homes would be within the Hancock County School District and are within 6 miles of multiple primary and secondary schools.

The property owner needs two adjacent lots with water access and enough square footage to provide outdoor recreation. Two homes will be constructed on-site, and outdoor amenities will be shared between the applicant and their daughter's family. The applicant proposes a communal living style in which resources can be shared easily between the residents of the two homes. The homeowners require a space for recreation that is a safe distance from the road and the water's edge, as young children will be regularly occupying the space.

Waterfront properties often experience loss of land due to erosion. Bulkheads are a common erosion control measure that prevent property loss. A +/- 296 LF bulkhead will be installed along the man-made canal on the western boundary of the property. To support a bulkhead, deadman anchors will be required; these anchors are typically placed with a 10-15 LF setback from the bulkhead. The engineer recommends replacing soil immediately surrounding the bulkhead with higher compacting fill material, which will sufficiently strengthen and support the deadman pilings. The existing soil is of poor quality and contains highly hydric soils that do not provide adequate support. No marsh fringe exists along the shoreline, so there will be minimal impact on aquatic plants and wildlife.

## **Alternatives**

Identified project and project alternatives include: (1) construction of the project as proposed (2) construction of an alternative design, (3) construction of an alternative on-site design component without compacted bulkhead fill (4) off-site alternatives and (5) the no-build alternative.

- (1) The project, as proposed, provides the minimal square-footage required to build two single family residential homes, while still maintaining a desirable distance from the road. This design includes the construction of a +/- 296 LF bulkhead. Reinforced deadman anchors and tiebacks need to be placed away from the bulkhead to stabilize the structure. As advised by the consulting engineer, these structures need to be placed within firm soils to prevent them from pulling loose, which requires the filling of the area to the east of the bulkhead. Additionally, the two residences are for the applicant and his caregiving daughter's family, and there will be children utilizing the yard area. The filling of the area between the bulkhead and the house pad allows for children to play at a safe distance from the road within the property. This site design requires +/- 0.48 acres of wetland fill.
- (2) This design includes the construction of a +/- 296 LF bulkhead. Reinforced deadman anchors and tiebacks need to be placed away from the bulkhead to stabilize the structure. These structures need to be placed within firm soils to prevent them from pulling loose, which requires the filling of the area to the east of the bulkhead. Additionally, the two residences are for the applicant and his daughter's family, and there will be children utilizing the yard area. The filling of the area between the bulkhead and the house pad allows for children to play at a safe distance from the road within the property. This site design possesses a larger yard for recreation but would require +/- 0.51 acres of wetland fill.
- (3) An alternative on-site design component was considered which avoided a portion of wetland area between the bulkhead deadman supports and the proposed primary residence. After consultation and direction of the consulting engineer, Dammon Engineering, Inc., this alternative design of wetland avoidance between the proposed improvements were considered non-viable due to the lack of compacted soil material in this area.
- (4) Off-site Alternatives for the project were investigated. The description of the sites and the reason they were not selected over the proposed location can be found in Appendix C-1 – Alternative Site Analysis.
- (5) The no build alternative is undesirable because it would not satisfy the purpose and need for the project by preventing the applicant from building homes for his family.

## **Affected Environment**

### **Site Analysis**

The project area consists of a low-quality freshwater forested/shrub wetland vegetative community and a mixed forested/shrub upland vegetative community.

## **Vegetation**

The subject property contains a mixed forested/shrub upland vegetative community, and a freshwater forested/shrub wetland vegetative community.

The mixed forested/shrub upland vegetative community is dominated by *Quercus virginiana* (Southern Live Oak), *Cirsium horridulum* (Bristle Thistle), *Sonchus asper* (Prickly Sowthistle), *Smilax bona-nox* (Saw Greenbrier) and *Ambrosia artemisiifolia* (Common Ragweed).

The freshwater forested/shrub wetland vegetative community is dominated by *Pinus elliottii* (Slash Pine), *Rhynchospora glomerata* (Clustered Beaksedge), *Juncus roemerianus* (Black Needlerush), *Typha latifolia* (Broad-leaved Cattail) and *Commelina diffusa* (Climbing Dayflower).

## **Wetlands**

A wetland delineation and Wetland Rapid Assessment Procedure (WRAP) were completed by Ecological Asset Management, LLC and are included in this submittal. The results of the study determined that the site contains +/- 0.51 acres of federally regulated low-quality wetlands. The WRAP sheet can be found in Appendix C-3.

## **Water Quality**

The local hydrology was investigated extensively throughout the project area. It was determined that the natural hydrology has not been recently altered. Most on-site drainage is encouraged to travel westward by a soft slope that spans the entirety of the proposed project area into a man-made canal that stems off Bayou La Croix. Additionally, a man-made ditch travels along the site's eastern property boundary. An area with higher elevation exists alongside Eden Street; this area does not exhibit any signs of hydrology.

## **Cultural Resources**

A request for a Cultural Resources Assessment on the southern portion of the project area (Lots 1 & 2) was made to the Mississippi Department of Archives and History (MDAH) on March 15, 2022. A response received on March 24, 2022 (Figure C-2A), stated that due to the topography of the area, a cultural resource survey will need to be performed on the entirety of the project area. A CRS Phase 1 was performed on the original project area on May 10, 2022, by All Phases Archaeology, and it was concluded that no cultural resources are likely to be affected on the subject property. A response received on June 24, 2022 (Figure C-2B), stated that MDAH concurs with the results of the survey.

A request for a Cultural Resources Assessment on the southern portion of the project area (Lots 3 & 4) was made to the Mississippi Department of Archives and History (MDAH). MDAH's response stated that due to the topography of the area, a cultural resource survey will need to be performed on the entirety of the project area. Later, the applicant decided to purchase property to the north of the project location. A CRS Phase 1 had already been performed on this northern parcel on May 10, 2022, by All Phases Archaeology, for the listing real estate brokerage, and it was concluded that no cultural resources are likely to be affected on the subject property. The results of that survey and report are pending review by USACE – Mobile District & Mississippi Department of Archives and History (MDAH).

## Threatened and Endangered Species

Based on the field survey conducted by EAM personnel, it was determined that of the vulnerable species noted in Table 1, only the following three species could persist within the geographical region: *Gopherus polyphemus* (Gopher Tortoise), *Pituophis melanoleucus lodingi* (Black Pine Snake) and *Picoides borealis* (Red-cockaded Woodpecker). Ecological Asset Management, LLC biologists with expertise in T&E species surveys conducted an extensive field investigation using a sub-meter Global Positioning System (GPS) to delineate any potential habitat and to identify any threatened individuals or populations. This field survey was conducted on January 28 & March 14, 2022.

Upon completion of the field survey, it was determined that no known species listed as threatened and/or endangered will be impacted by the proposed project, nor is the habitat within the range of the proposed development suitable for any of the county's vulnerable species.

Common Name	Scientific Name	Type	Status
Ringed Map Turtle	<i>Graptemys oculifera</i>	Reptile	Threatened
Gopher Tortoise	<i>Gopherus polyphemus</i>	Reptile	Threatened
Black Pinesnake	<i>Pituophis melanoleucus lodingi</i>	Reptile	Threatened
Leatherback Sea Turtle	<i>Dermochelys coriacea</i>	Reptile	Endangered
Kemp's Ridley Sea Turtle	<i>Lepidochelys kempii</i>	Reptile	Endangered
Hawksbill Sea Turtle	<i>Eretmochelys imbricata</i>	Reptile	Endangered
Loggerhead Sea Turtle	<i>Caretta caretta</i>	Reptile	Threatened
Dusky Gopher Frog	<i>Rana sevosia</i>	Amphibian	Endangered
Red-cockaded Woodpecker	<i>Picoides borealis</i>	Bird	Endangered
Piping Plover	<i>Charadrius melodus</i>	Bird	Threatened
Red Knot	<i>Calidris canutus rufa</i>	Bird	Threatened
Wood Stork	<i>Mycteria americana</i>	Bird	Threatened
Eastern Black Rail	<i>Laterallus jamaicensis ssp. jamaicensis</i>	Bird	Threatened
Gulf Sturgeon	<i>Acipenser oxyrinchus desotoi</i>	Fish	Threatened
West Indian Manatee	<i>Trichechus manatus</i>	Mammal	Threatened
Inflated Heelsplitter	<i>Potamilus inflatus</i>	Clam	Threatened
Louisiana Quillwort	<i>Isoetes louisianensis</i>	Plant	Endangered

**Table 1:** Threatened and Endangered Species of Hancock County, MS as of June 29, 2022. Source: U.S. Fish and Wildlife Service: Information for Planning and Consultation.

## Wildlife and Fisheries

The subject property contains a mixed forested/shrub upland vegetative community, and a freshwater forested/shrub wetland vegetative community.

## Socio-Economics

The subject property is currently zoned as Single-Family Residential (R-1). Currently, except for property taxes, the property is not generating any revenues for the City of Waveland.

## **Environmental Consequences**

### **Wetland Impacts**

The project will require the filling of +/- 0.48 acres of low-quality jurisdictional wetlands. Any impacts to these wetlands will be compensated for by the purchase of offsite wetland mitigation credits from an approved mitigation site.

### **Water Quality**

No degradation of water quality chemistry is expected to result from the presence of the proposed project. The stabilization of the upland area will decrease the amount of silt run-off from the adjacent uplands. The criteria used to regulate coastal subdivisions presently unsuitable for development as described in Exhibit E of 11 Mississippi Administrative Code Part 6, Chapter 1, Subchapter 3 (coastal subdivisions platted prior to the Clean Water Act with waterfront access to estuarine waters by man-made canals). (Statement A, D, & E) (11 Miss. Admin. Code Pt. 6, R. 1.3.4.C.(5))” has been considered during the design of the project and will be considered during its development.

Best management practices (BMPs) will be employed to prevent the movement of sediment into adjacent waters or drainage areas. In the event of any BMP failure, corrective actions will be taken immediately.

### **Cultural Resources**

The project does not anticipate any adverse effects on cultural resources within the project area. If artifacts or archaeological features are encountered during projects activities, all activities shall cease and the MDAH and USACE, Mobile District will be consulted with immediately.

### **Threatened and Endangered Species**

The project will have no known adverse effects on species listed as threatened or endangered by the U.S. Fish and Wildlife Service.

### **Wildlife and Fisheries**

The project area consists of an isolated, partially cleared wooded/shrub community that is surrounded by residential property. The site is adjacent to a man-made canal that stems from Bayou La Croix. The tidal flow received within this canal is contiguous with St. Louis Bay and, ultimately, the Mississippi Sound. The property lacks any terrestrial wildlife corridors to off-site, undeveloped areas. Therefore, the property provides minimal habitat value for wildlife such as fur-bearing animals and avian species. It has been determined that the proposed development will not lead to any notable impacts to any animal populations that may persist within the project area.

### **Socio-Economics**

The socio-economic impacts of the proposed residential homes would be positive. Building materials would likely be obtained from local building supply stores. The City of Waveland will benefit from ad valorem taxes generated from the new residential homes.

## Works Cited

Ecological Asset Management, LLC. 2022. +/- 0.30-Acre Eden Street Lots 1 & 2 Project Area, Waveland, Hancock County, MS.

Ecological Asset Management, LLC. 2022. +/- 0.74-Acre Eden Street South Project Area, Waveland, Hancock County, MS.

NOAA/NWS/NHC Storm Surge Unit. *Story map Series*. National Storm Surge Hazard Maps. <https://noaa.maps.arcgis.com/apps/MapSeries/index.html?appid=d9ed7904dbec441a9c4dd7b277935fad&entry=1>, Electronic map accessed: March 2, 2022.

U.S. Fish & Wildlife Service: Information for Planning and Consultation. 2022. *IPaC Resource List*. <https://ipac.ecosphere.fws.gov/location/BUXA6BAGKJDETGG2O53OVFWNSE/resources>, Electronic document accessed: June 29, 2022.

## **Appendix C-1**

### **Alternative Site Analysis and Map For Environmental Assessment**

#### **Eden Street**

*Section 29, T-8-S, R-14-W*  
**Waveland, Hancock County, MS**

## Alternative Off-Site Analysis

The applicant’s agents utilized the Mississippi Gulf Coast Realtor Multiple Listing Service (MLS) to locate available potential alternative sites. Ecological Asset Management, LLC (EAM), then analyzed the potential environmental impacts as well as the economic feasibility associated with each potential alternative. Key parameters used in the scoping process that were investigated, include but were not limited to, size (0.8-2 acres), within the corporate limits of the cities of Waveland or Bay Saint Louis, access to primary traffic corridors, water access, proximity to schools and public facilities and current/proper zoning for the proposed development. Currently marketed land/unimproved property sites were analyzed, and those alternative sites are discussed here. The National Wetland Inventory (NWI), the Web Soil Survey (WSS), Google Earth, LiDAR imagery, as well as professional judgements were also utilized to analyze the environmental settings associated with each alternate site for the proposed project.

A summary describing each alternative site and the criteria for not selecting each site is listed and the highest qualifying site (A) is also detailed with the provided mapping data, are as follows:

Site	Zoning	Size	Location	LEDPA	Cost
Proposed	Yes	Yes	Yes	Yes	Yes
Alternative “A”	Yes	Yes	No	No	Yes
Alternative “B”	Yes	Yes	No	No	No
Alternative “C”	Yes	No	Yes	No	No

Assessment analysis of proposed and alternative sites. Zoning indicates whether the site is currently zoned for the project type. Size indicates whether the site fits the project size requirements. Location indicates whether the property is within a desirable distance (0-1 mi) from primary traffic corridors and has water access. The Least Environmentally Damaging Practicable Alternative (LEDPA) is determined based on potential impacts on wetland, open water and habitat corridors. Cost indicates whether the site is financially viable based on cost of property, cost to develop and cost of permitting.

### Proposed Site

The proposed site (PIDN: 139B-0-29-238.000, 139B-0-29-239.000 & 139B-0-29-240.000) is located on Eden Street in Waveland, MS. The site is 1.04 acres, undeveloped and zoned as Single-Family Residential (R-1).

**Location:** The parcel is situated 3,200 feet from the Highway 603 traffic corridor. The proposed site is situated within the Hancock County School District and is within 6 miles of multiple primary and secondary schools. Additionally, the proposed site is within 3 miles of Claiborne Hill Supermarket and Walmart Supercenter. The site is located along a man-made canal that stems from Bayou La Croix and maintains ease of access to facilities and leisure areas.

**Environment:** The proposed site location contains 0.51 acres of jurisdictional wetlands. The site is surrounded by single-family residential development. The site is adjacent to a man-made canal that stems from Bayou La Croix. The tidal flow received within this canal is contiguous with St. Louis Bay and, ultimately, the Mississippi Sound.

**Cost:** The site is currently owned by the prospect developer and is currently cleared and maintained. The purchase/transport of fill material and need for mitigation contribute to the cost to develop the subject property.

### **Alternative Site “A”**

Site “A” is located on Stewart Drive in Bay Saint Louis, MS (PIDN: 136N-2-42-050.000). The site is 1.52 acres, undeveloped and zoned as Single-Family Residential (R-1).

Location: The parcel is situated 1.5 miles from the Highway 90 traffic corridor. The proposed site is situated within the Bay-Waveland District and is within 2 miles of multiple primary and secondary schools. Additionally, the proposed site is 2.5 miles from Froogel’s Cost Plus Grocery Store. The site exists along a man-made canal that stems from the Jourdan River and maintains ease of access to facilities and leisure areas.

Environment: This site appears to contain +/- 1.1 acres of wetlands. The site is near single-family residential development but maintains valuable habitat corridors that are contiguous with the Jourdan River. The tidal flow received within the man-made canal is contiguous with St. Louis Bay and, ultimately, the Mississippi Sound.

Cost: The site is currently listed for \$70,000 (\$46,000 per acre). The need for site mitigation and purchase/transport of fill material contributes to the cost to develop the subject property.

### **Alternative Site “B”**

Site “B” (PIDN: 137D-0-42-056.000) is located on McMahan Lane in Bay Saint Louis, MS. The site is 1.2 acres, undeveloped and zoned as Single-Family Residential (R-1).

Location: The parcel is situated 1.5 miles from the Highway 90 traffic corridor. The proposed site is situated within the Bay-Waveland School District and is within 2.2 miles of multiple primary and secondary schools. Additionally, the proposed site is 2.8 miles from Froogel’s Cost Plus Grocery Store. The site is bordered by two canals, one natural and one man-made) that stem from the Jourdan River. This site maintains ease of access to facilities and leisure areas.

Environment: This site appears to contain +/- 0.7 acres of jurisdictional wetlands. The site maintains a valuable habitat corridor that is contiguous with the Jourdan River. A natural canal lies along the western boundary of the property, and a man-made canal lies along its eastern boundary. The tidal flow received within this canal is contiguous with St. Louis Bay and, ultimately, the Mississippi Sound.

Cost: The site is currently listed for \$129,000 (\$107,500 per acre). The need for site clearing, mitigation and purchase/transport of fill material contributes to the cost to develop the subject property.

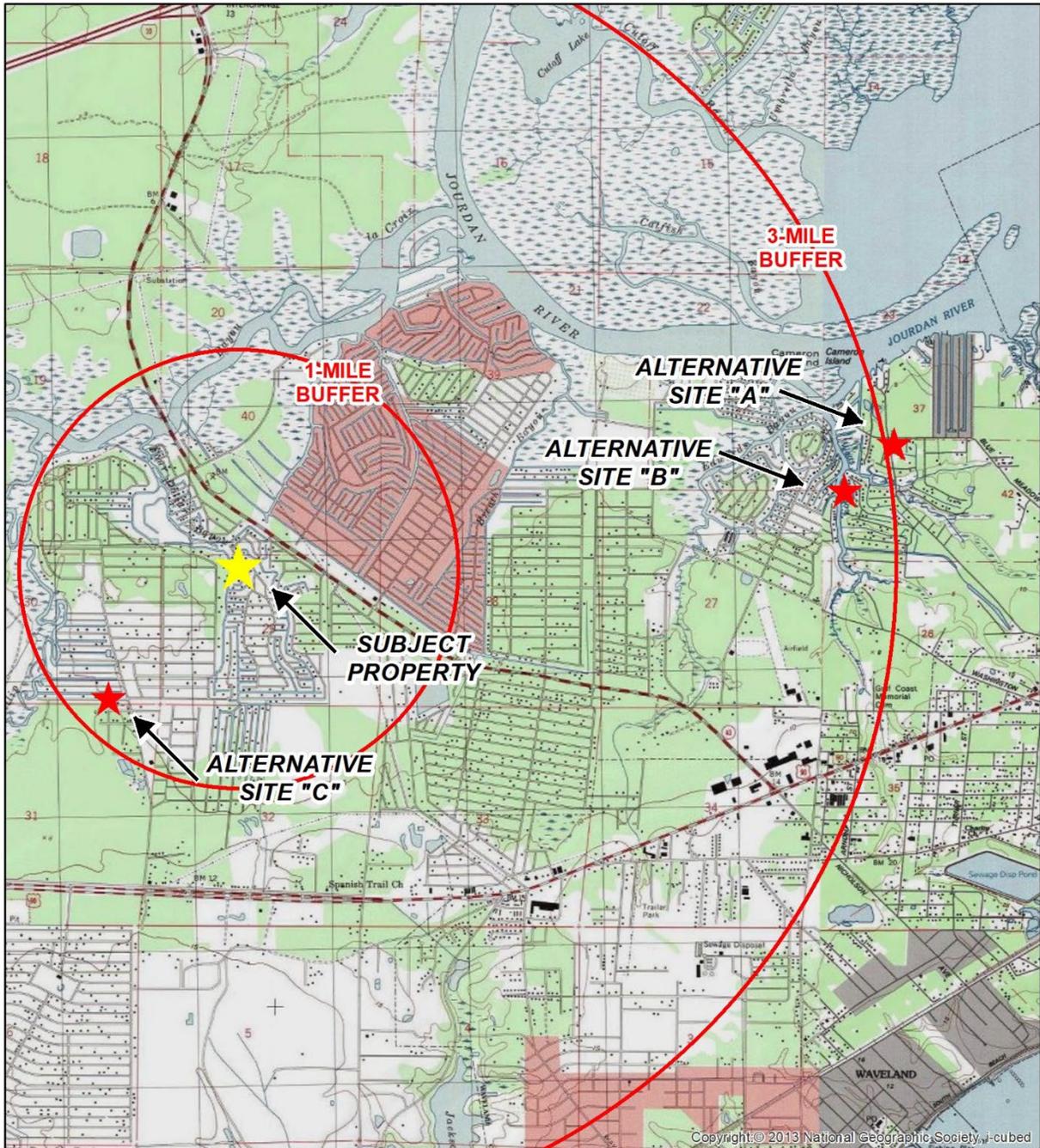
### **Alternative Site “C”**

Site “C” is located on 1<sup>st</sup> Street in Waveland, MS (PIDN: 139F-0-30-214.000). The site is 0.5 acres, undeveloped and zoned as Single-Family Residential (R-1).

Location: The parcel is situated 1 mile from the Highway 90 traffic corridor. The proposed site is situated within the Hancock County School District and is within 4.3 miles of South Hancock Elementary School. Additionally, the proposed site is within 4 miles of Claiborne Hill Supermarket and Walmart Supercenter. The site exists along a man-made canal that stems from Bayou La Croix and maintains ease of access to facilities and leisure areas.

Environment: This site does not appear to contain jurisdictional wetlands. The site is near single-family residential development but maintains valuable habitat corridors that are contiguous with Bayou La Croix. The tidal flow received within the man-made canal is contiguous with St. Louis Bay and, ultimately, the Mississippi Sound.

Cost: The site is currently listed for \$50,000 (\$100,000 per acre). The need for site clearing, mitigation and purchase/transport of fill material contributes to the cost to develop the subject property.



**FIGURE C-1** Purpose: Permit Drawing  
 Base Map: Hancock Co. Tax Parcels & ESRI USA Topo Maps  
 Source: Hancock Co, MS & USGS, NGS & i-cubed  
 Map Date: August 1, 2022

**NORTH**

0 1,100 2,200 3,300 4,400  
 Feet

**OFF-SITE ALTERNATIVE LOCATION MAP**

**ECOLOGICAL ASSET MANAGEMENT, LLC**

**Permit Drawing for +/- 1.04 ac. Project Area on Eden & Fiesta Streets**

Location: Waveland, MS  
 Portion of Section 29;  
 Township-8-South; Range-14-West  
 County: Hancock County, MS

Figure C-1: Off-site Alternative Location Map

## **Appendix C-2**

### **Responsibilities for Section 106 of the National Historic Preservation Act and 36 CFR Part 800**

#### **Eden Street**

*Section 29, T-8-S, R-14-W*  
**Waveland, Hancock County, MS**

March 24, 2022

Mr. Mitch Tinsley  
Ecological Asset Management, LLC  
803 Highway 90  
Bay St. Louis, Mississippi 39520

RE: Proposed Fill of .05 Acres of Low Quality Wetlands for the Construction of a Single-Family Residential Home, Eden Street, Waveland, by Collab Realty, LLC, (USACE) MDAH Project Log #03-135-22, Hancock County

Dear Mr. Tinsley:

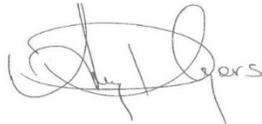
We have reviewed your March 15, 2022, request for a cultural resources assessment, for the above referenced project in accordance with our responsibilities under Section 106 of the National Historic Preservation Act and 36 CFR Part 800.

After review, due to the topography of the area, it is our determination that a cultural resources survey must be performed by a professional archaeologist. The resulting report should reference the project log number above on the title page.

A list of individuals who have represented themselves as being willing and qualified to do archaeological survey work in Mississippi will be furnished upon request. A copy of this letter should be made available to the contracting archaeologist(s).

If you have any questions, please do not hesitate to call us at (601) 576-6940.

Sincerely,



Amy D. Myers  
Review and Compliance Assistant

FOR: Katie Blount  
State Historic Preservation Officer

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June 24, 2022

Ms. Maryellen Farmer  
Mobile District, Corps of Engineers  
Post Office Box 2288  
Mobile, Alabama 36628-0001

RE: Phase I Cultural Resources Survey for the Proposed Eden Street (Lots 3 & 4)  
Residential Development, S29, T8S, R14W, (USACE) MDAH Project Log  
#06-005-22 (03-134-22), Report #22-0209, Hancock County

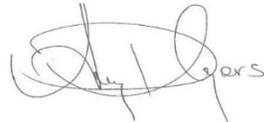
Dear Ms. Farmer:

We have reviewed the May 20, 2022, cultural resources survey, by William J. Glass, Principal Investigator, with All Phases Archaeology, LLC, received on June 1, 2022, for the above referenced undertaking, pursuant to our responsibilities under Section 106 of the National Historic Preservation Act and 36 CFR Part 800. After reviewing the information provided, we concur that no cultural resources listed in or eligible for listing in the National Register of Historic Places will be affected. Therefore, we have no reservations with the undertaking.

There remains the possibility that unrecorded cultural resources may be encountered during the project. Should this occur, we would appreciate your contacting this office immediately in order that we may offer appropriate comments under 36 CFR 800.13.

Please provide Mr. Glass with a copy of this letter. If you need further information, please contact us at (601) 576-6940.

Sincerely,



Amy D. Myers  
Review and Compliance Assistant

FOR: Katie Blount  
State Historic Preservation Officer

**Appendix C-3**

**WRAP  
For Environmental Assessment**

**Eden Street**

*Section 29, T-8-S, R-14-W*  
**Waveland, Hancock County, MS**

