

**EXISTING CONDITIONS NOTES:**

1. THE CONTRACT DOCUMENTS REFLECT SURVEYS AND ELEVATIONS AT THE WORK AREA AS FOUND IN CONDITIONS SURVEYS MADE AS STATED ON THE DRAWINGS. THE CONDITIONS SHOWN ARE INDICATIVE OF THOSE THAT PREVAILED AT THE TIME OF THE SITE INVESTIGATIONS AND MAY BE DIFFERENT THAN THOSE AT THE TIME OF CONSTRUCTION. GENERAL LOCATIONS OF APPLICABLE EXISTING UTILITIES, VEGETATION, STRUCTURES, EQUIPMENT AND IMPROVEMENTS, BASED UPON LATEST INFORMATION AVAILABLE HAVE BEEN SHOWN ON THE DRAWINGS.
2. UTILITY LINES, VEGETATION, STRUCTURES, EQUIPMENT OR IMPROVEMENTS SHALL BE PROTECTED FROM DAMAGE, AND IF DAMAGED, SHALL BE REPAIRED BY THE CONTRACTOR AT ITS OWN EXPENSE.
3. THE WATER SURFACE ELEVATION AT THE TIME OF THE SURVEY IS SHOWN ON THE PROJECT DRAWINGS. WATER LEVELS HAVE FLUCTUATED SINCE THE SURVEY WAS CONDUCTED. CONTRACTOR TO USE BEST AVAILABLE INFORMATION TO UNDERSTAND THE CONDITIONS OF THE WATER LEVELS.



AERIAL PHOTO OF STONY ISLAND VIEW LOOKING NORTHEAST

SURVEY PROVIDED BY SMITHGROUP JJR, JANUARY 2014

**SURVEY NOTES:**

1. HORIZONTAL DATUM IS ACCORDING TO MICHIGAN STATE PLANE COORDINATES, SOUTH ZONE (2113), INTERNATIONAL FEET AS LINEAR UNIT OF MEASURE.
2. VERTICAL DATUM IS ACCORDING TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), WITH PRIMARY BENCHMARKS AND DATUM CONVERSIONS LISTED HEREON.
3. THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY THE SURVEYOR. ALL INFORMATION REGARDING LAND BOUNDARY, EASEMENTS, AND OTHER INFORMATION THAT MAY AFFECT TITLE WAS GAINED FROM A CLIENT PROVIDED ALTA SURVEY, PROPERTY INFORMATION REFERENCE.
4. NO UNDERGROUND UTILITIES WERE RESEARCHED AS PART OF THIS EFFORT. NO EXCAVATIONS WERE MADE AS PART OF THIS SURVEY TO LOCATE BURIED STRUCTURES AND OR UTILITIES.
5. SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED AND ARE NOT CONSIDERED A PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE AND OR DEVELOPMENT OF THIS SITE.
6. SMITHGROUPJJR PERFORMED A BATHYMETRIC SURVEY OF A PORTION OF THE DETROIT RIVER, ADJACENT TO STONY ISLAND, AS ILLUSTRATED HEREON. THE RESULTANT ONE-FOOT CONTOURS ARE BASED ON SOUNDINGS, COMBINED WITH SHORE TOPOGRAPHY COLLECTED USING GLOBAL POSITIONING RECEIVERS REFERENCING THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE SYSTEM (CORS) FOR PROJECT SITE CONTROL.

**BENCHMARKS:**

PRIMARY BENCHMARK NO. 82624 (NGS):

NATIONAL GEODETIC SURVEY PRIMARY BENCHMARK (NGS PID# D16435);  
HEIGHT MODERNIZATION STATION ALUMINUM DISC, SET FLUSH ON A 16" DIAMETER CONC. CYLINDER, FLUSH WITH THE GROUND.

NORTHING = 223952.3878  
EASTING = 13446899.6702  
ELEVATION = 579.25 FEET (NAVD88)

PRIMARY BENCHMARK NO. H 115 X (NGS):

NATIONAL GEODETIC SURVEY PRIMARY BENCHMARK (NGS PID# NE0516);  
HEIGHT MODERNIZATION STATION ALUMINUM DISC, SET FLUSH ON A 16" DIAMETER CONC. CYLINDER, FLUSH WITH THE GROUND.

NORTHING = 219063.3065  
EASTING = 13442499.9723  
ELEVATION = 581.68 FEET (NAVD88)

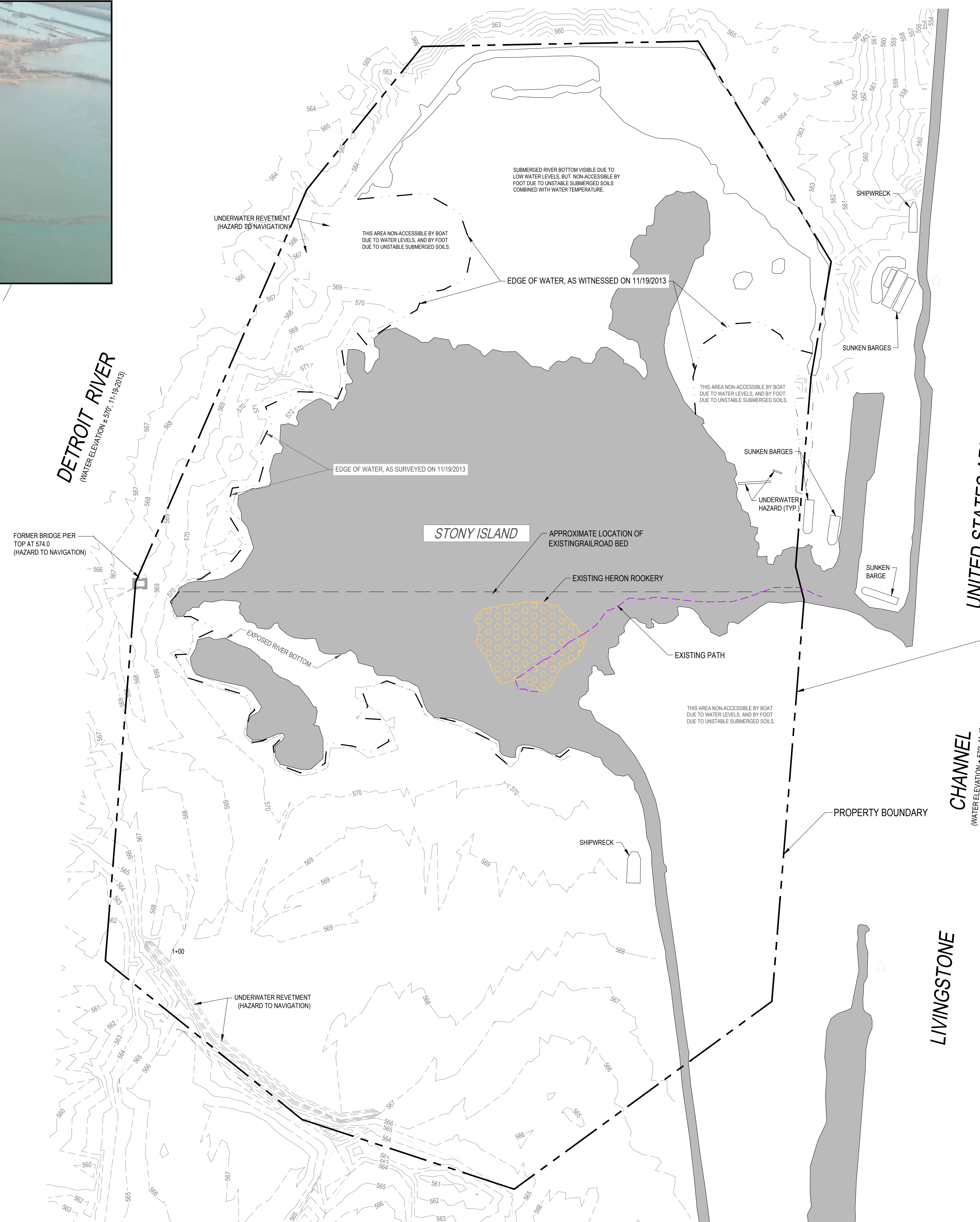
**DATUM CONVERSIONS:**

NAVD88 = IGLD85 + 0.27 FEET  
NAVD88 = NGVD29 - 0.56 FEET

**FLOODPLAIN NOTES:**

THE ENTIRETY OF STONY ISLAND LIES WITHIN FEMA FIRM ZONE AE, ACCORDING TO FEMA FIRM MAPS 26163C0535E AND 26163C0420E. COMMUNITY 260227, PANELS NO. 420 & 535 OF 575, MAP(S) REVISED FEBRUARY 2, 2012. THE FOLLOWING STATEMENTS APPLY:

- ZONE AE IS DEFINED AS "BASE FLOOD ELEVATIONS DETERMINED."
- FLOODWAY AREAS IN ZONE AE MUST BE KEPT FREE OF ENCROACHMENT SO THAT THE 1% ANNUAL CHANCE FLOOD CAN BE CARRIED WITHOUT SUBSTANTIAL INCREASES IN FLOOD HEIGHTS.



**SURVEY LEGEND**

- EDGE OF WATER
- - - EX. TOPO CONTOUR
- - - PROPERTY LINE
- HERON ROOKERY
- SHIPWRECK

UNITED STATES ARMY CORPS. OF ENGINEERS (USACE)

CHANNEL

LIVINGSTONE

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**SMITHGROUP JJR**



**DETROIT RIVER AOC-STONY ISLAND HABITAT RESTORATION PROJECT**

**FRIENDS OF THE DETROIT RIVER**  
**WAYNE COUNTY, MICHIGAN**

|                 |          |
|-----------------|----------|
| FOR INFORMATION | JAN 2016 |
| 100% DRAWINGS   | 11-03-14 |
| PERMIT DRAWINGS | 08-17-14 |
| PRELIMINARY     | 03-11-14 |

|        |                    |
|--------|--------------------|
| 130638 | ECT PROJECT NUMBER |
| AB/EC  | DESIGNED BY        |
| JO     | CHECKED BY         |
| AB/EC  | DRAWN BY           |
| JO     | APPROVED BY        |

SHEET TITLE

**EXISTING CONDITIONS**

SCALE: 1" = 250' @ 22" x 34"  
0 125 250 500

NORTH SHEET NUMBER  
**2**

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