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SURVEY PROVIDED BY SMITHGROUP JR,  
JANUARY 2014

**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.
4. SEE ALSO WATER LEVEL NOTES, THIS SHEET.
5. CONTRACTOR TO CONDUCT BATHYMETRIC SURVEY PRIOR TO CONSTRUCTION AND TO NOTIFY ENGINEER OF ANY SIGNIFICANT DIFFERENCES IN DATA FROM THAT WHICH IS SHOWN HERE.



AERIAL PHOTO OF CELERON ISLAND

**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. SMITHGROUPJRR PERFORMED A BATHYMETRIC SURVEY OF A PORTION OF THE DETROIT RIVER, ADJACENT TO CELERON 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.

**BENCH MARKS:**

**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. CYLINDAR, 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. CYLINDAR, FLUSH WITH THE GROUND.

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

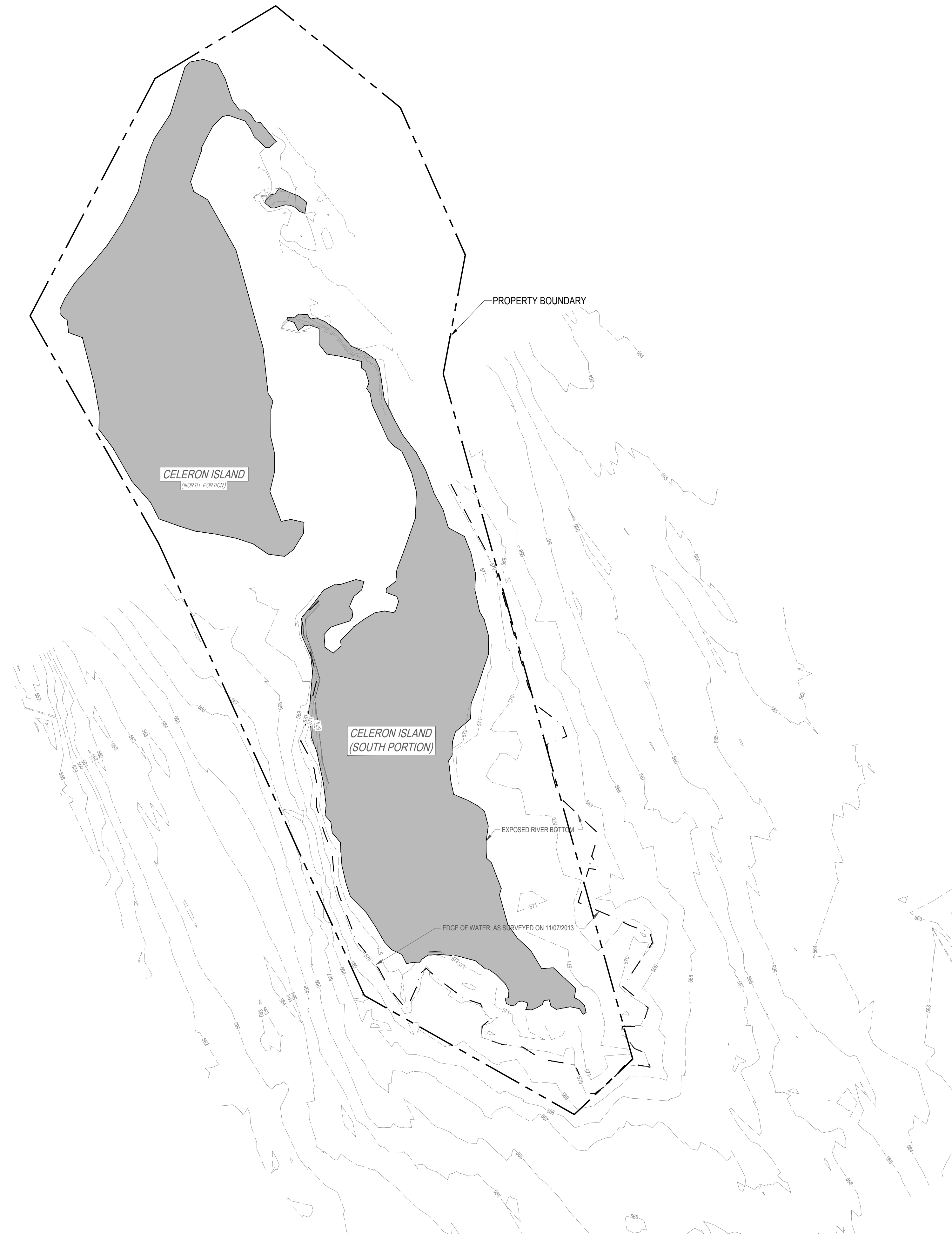
**DATUM CONVERSIONS:**

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

**WATER LEVEL NOTES:**

THE CONTRACTOR UNDERSTANDS AND ACKNOWLEDGES THAT THE PERFORMANCE OF THE WORK IS REQUIRED WITHIN THE DETROIT RIVER SYSTEM AND FLOODPLAIN AND THAT THE DETROIT RIVER WATER LEVEL FLUCTUATES FREQUENTLY. THE CONTRACTOR UNDERSTANDS AND ACKNOWLEDGES THAT THEY HAVE TAKEN INTO ACCOUNT THE POTENTIAL FOR ANY WATER LEVEL CHANGES THAT MIGHT OCCUR IN COSTING AND PERFORMING THE CONTRACT WORK. THEREFORE, THE CONTRACTOR ACKNOWLEDGES THAT ANY FLUCTUATION IN WATER LEVELS DURING/OVER THE COURSE OF THE PROJECT WILL MOST LIKELY HAPPEN AND DOES NOT CONSTITUTE A CHANGE IN CONDITIONS OR AN UNFORESEEN SITE CONDITION.

THE CONTRACTOR SHALL BE FULLY AWARE OF THE DETROIT RIVER HYDROLOGY AND CURRENT WEATHER CONDITIONS SO THAT WORK IN PROGRESS CAN BE SECURED AND PROTECTED, SO THAT SAFE JOB SITE WORKING CONDITIONS ARE MAINTAINED, AND SO THAT SOIL EROSION IS MINIMIZED.

THE CONTRACTOR ACKNOWLEDGES THAT DELAYS IN THE START OF, OR COMPLETION OF, WORK DUE TO FLUCTUATIONS IN THE WATER LEVEL THROUGHOUT THE DURATION OF THE PROJECT SHALL NOT CONSTITUTE A CHANGE IN CONDITIONS NOR SHALL BE A BASIS FOR ANY EXTENSION OF TIME OR DAMAGES. IF THE CONTRACTOR SHALL BE UNAVOIDABLY DELAYED IN BEGINNING OR FULFILLING THIS CONTRACT BY REASONS OF CHANGING WATER LEVELS, EXCESSIVE STORMS OR FLOODS, THE CONTRACTOR SHALL HAVE NO VALID CLAIM FOR DAMAGES, BUT HE SHALL IN SUCH CASE BE ENTITLED TO AN EXTENSION OF TIME AS THE ENGINEER SHALL ADJUDGE TO BE JUST AND REASONABLE, PROVIDED THAT FORMAL CLAIM FOR AN EXTENSION OF TIME IS MADE IN WRITING BY THE CONTRACTOR WITHIN ONE WEEK OF THE ALLEGED DELAY.



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

**FRIENDS OF THE  
DETROIT RIVER**

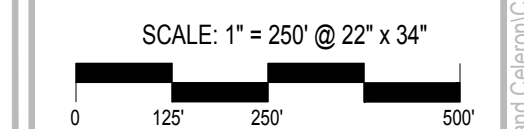
**WAYNE COUNTY,  
MICHIGAN**

FOR BID	08-2017
100% DRAWINGS	11-03-14
PERMIT DRAWINGS	10-07-14
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**



NORTH SHEET NUMBER  
**2**

**3 WORKING DAYS  
BEFORE YOU DIG  
CALL MISS DIG  
1-800-482-7171**

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