

Public Notice

**U.S. Army Corps
of Engineers**
Pittsburgh District

In Reply Refer to
Notice No. below

US Army Corps of Engineers, Pittsburgh District
1000 Liberty Avenue
Pittsburgh, PA 15222-4186

Application No. 2014-1101

Date: December 18, 2014

Notice No. 14-55

Closing Date: January 18, 2015

1. **TO ALL WHOM IT MAY CONCERN:** The following application has been submitted for a Department of the Army Permit under the provisions of Section 10 of the Rivers and Harbors Act of 1899.
2. **APPLICANT:** Rice Olympus Midstream, LLC
171 Hillpointe Drive, Suite 301
Canonsburg, Pennsylvania 15317
3. **AGENT:** Tetra Tech, Inc.
661 Anderson Drive
Pittsburgh, Pennsylvania 15220
4. **LOCATION:** Ohio River, Right Bank, River Mile 110.5, Powhatan Point, Belmont County, Ohio.
5. **PURPOSE AND DESCRIPTION OF WORK:** The applicant proposes to install a permanent water intake system with the capacity of 10 million gallons per day. The intake system will consist of two vertical turbines river pumps, two river intake screens, two 12 inch diameter steel dolphin piles, a structural platform and walkway (pipe bridge) and piping connecting the intake to a pump house. The pipe bridge will be constructed to span from the pipe bridge foundation to the existing mooring cell. The elevation for the foundation supporting the pipe bridge is approximately 10 feet above the ordinary high watermark. The purpose of the project is to transfer water to the pump house on site and then to impoundments and well pads in eastern Ohio. Drawings of the proposed project are attached to this notice.
6. **IMPACT ON NATURAL RESOURCES:** The District Engineer has consulted the most recently available information and has determined that the project will have no effect on endangered species or threatened species, or result in destruction or adverse modification of habitat of such species which has been determined to be critical. While concurrence with this determination is not required, this Public Notice serves as a request to the U.S. Fish and Wildlife Service for any additional information they may have on whether any listed or proposed to be listed endangered or threatened species may be present in the area which would be affected by the activity, pursuant to Section 7(c) of the Endangered Species Act of 1972 (as amended).

7. IMPACT ON CULTURAL RESOURCES: The National Register of Historic Places has been consulted, and it has been determined that there are no properties currently listed on the register which would be directly affected by the proposed work. If we are made aware, as a result of comments received in response to this notice, or by other means, of specific archeological, scientific, prehistorical, or historical sites or structures which might be affected by the proposed work, the District Engineer will immediately take the appropriate action necessary pursuant to the National Historic Preservation Act of 1966 - Public Law 89-665 as amended (including Public Law 96-515).

8. PUBLIC INVOLVEMENT: Any person may request, in writing, within the comment period specified in the paragraph below entitled "RESPONSES," that a public hearing be held to consider this application. The requests for public hearing shall state, with particularity, the reasons for holding a public hearing.

9. EVALUATION: Interested parties are invited to state any objections they may have to the proposed work. The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposals must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people. The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the overall public interest of the proposed activity.

10. RESPONSES: A permit will be granted unless its issuance is found to be contrary to the public interest. Written statements concerning the proposed activity should be received in this office on or before the closing date of this Public Notice in order to become a part of the record and to be considered in the final determination. Any objections which are received during this period may be forwarded to the applicant for possible resolution before the determination is made whether to issue or deny the requested DA Permit.

All responses to this notice should be directed to the Regulatory Branch, attn George Brkovich at the above address, by telephoning (412) 395-7247, or by e-mail at george.r.brkovich@usace.army.mil. Please refer to CELRP-OP-F 2014-1101 in all responses.

FOR THE DISTRICT ENGINEER:

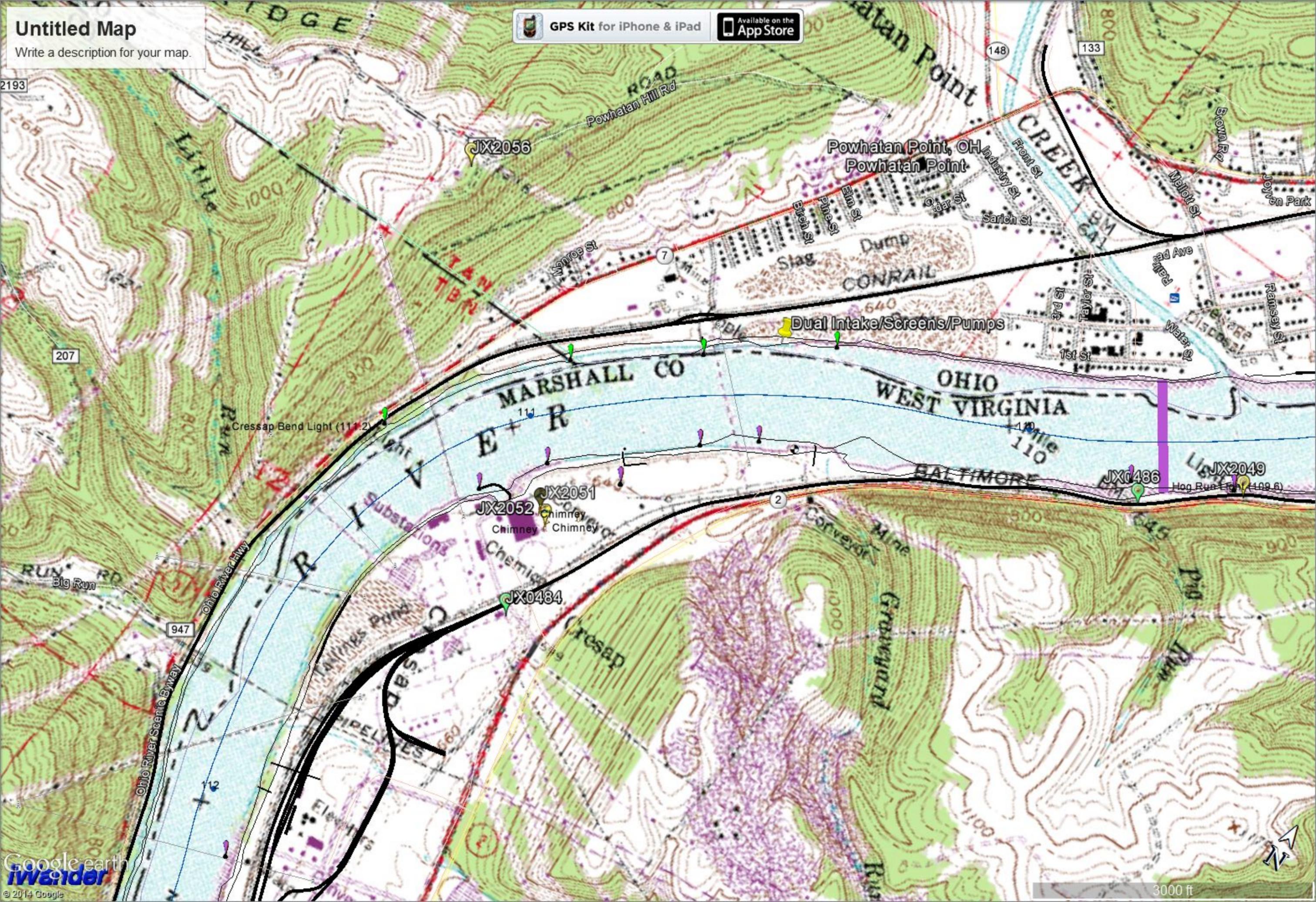
~ SIGNED ~

Nancy Mullen
Chief, Northern Section
Regulatory Branch

Untitled Map

Write a description for your map.

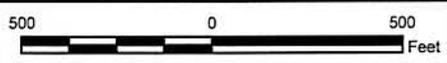
GPS Kit for iPhone & iPad Available on the App Store



Aerial photograph provided by ESRI's ArcGIS Online World Imagery map service (© 2014 ESRI and its data suppliers).



Dual Intake
Screens/Pumps
39.85364° N
80.81558° W



VICINITY MAP
TUNA 2 WATER CONVEYANCE SYSTEMS
RICE OLYMPUS MIDSTREAM, LLC
BELMONT COUNTY, OHIO

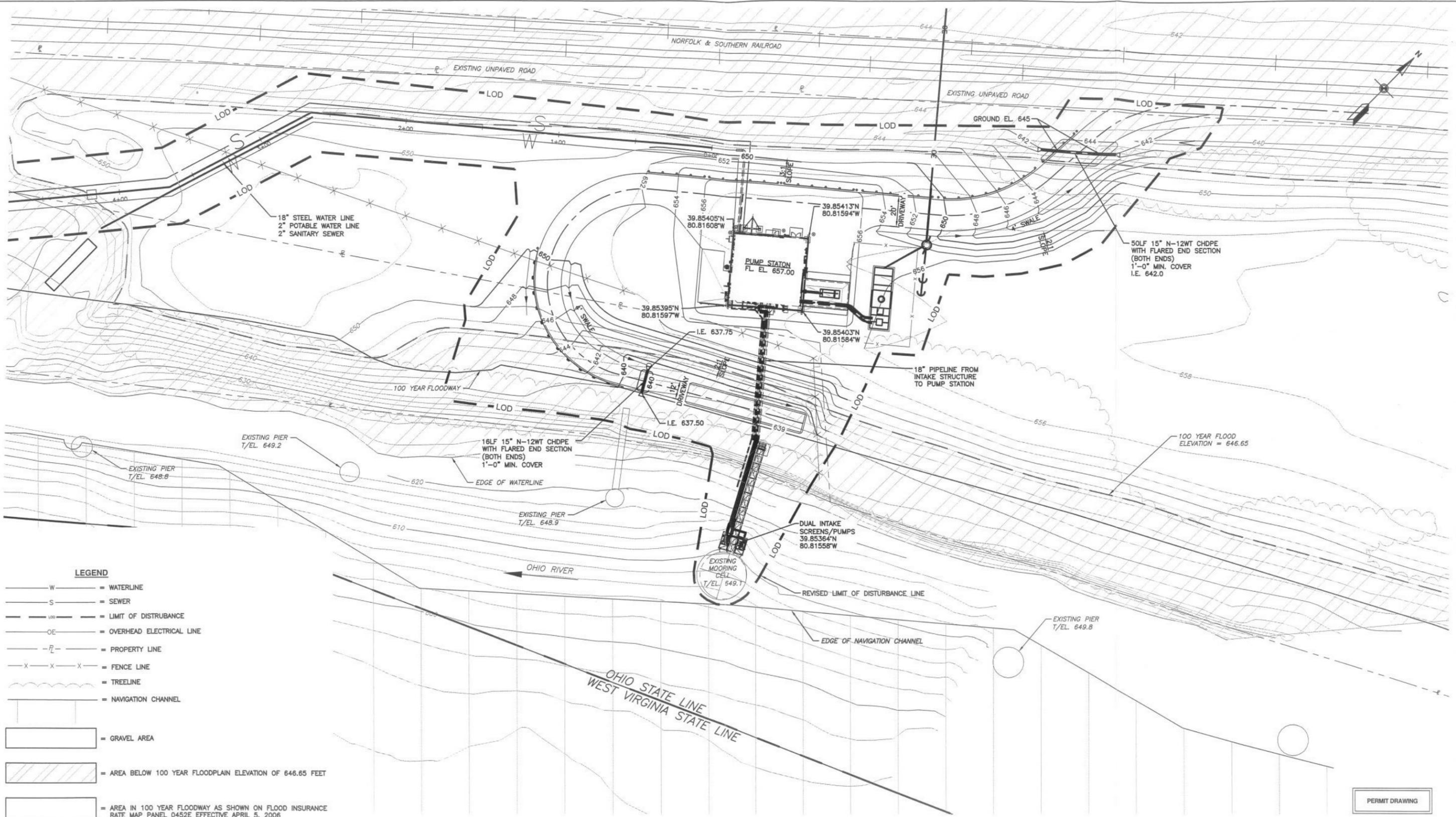
DRAWN BY: J. ENGLISH 10/09/14
CHECKED BY: L. KARLHEIM 10/09/14
APPROVED BY:

CONTRACT NUMBER: 112C05957

FIGURE NUMBER 1

REV 0

2014-1101



LEGEND

- W — = WATERLINE
- S — = SEWER
- - - LOD - - - = LIMIT OF DISTURBANCE
- - - OE - - - = OVERHEAD ELECTRICAL LINE
- - - PL - - - = PROPERTY LINE
- x - x - = FENCE LINE
- - - - - = TREELINE
- - - - - = NAVIGATION CHANNEL
- [] = GRAVEL AREA
- [/ /] = AREA BELOW 100 YEAR FLOODPLAIN ELEVATION OF 646.65 FEET
- [] = AREA IN 100 YEAR FLOODWAY AS SHOWN ON FLOOD INSURANCE RATE MAP PANEL 0452E EFFECTIVE APRIL 5, 2006

PLAN
SCALE: 1"=30'

PERMIT DRAWING
0 30 60
SCALE: 1"=30'

COORDINATE DATUM SYSTEM FOR THIS PROJECT
NAVD 83
NAD83 OHIO STATE PLANE SOUTH
CODE: OH83-SF

AERIAL MAPPING AND RIVER SOUNDINGS
PROVIDED BY:
BLUE MOUNTAIN AERIAL MAPPING
11023 MASON DIXON HIGHWAY
BURTON, WEST VIRGINIA 26562

Revision	Description	Date	Designer	Approved

RICE ENERGY
RICE OLYMPUS MIDSTREAM, LLC
CANONSBURG, PENNSYLVANIA

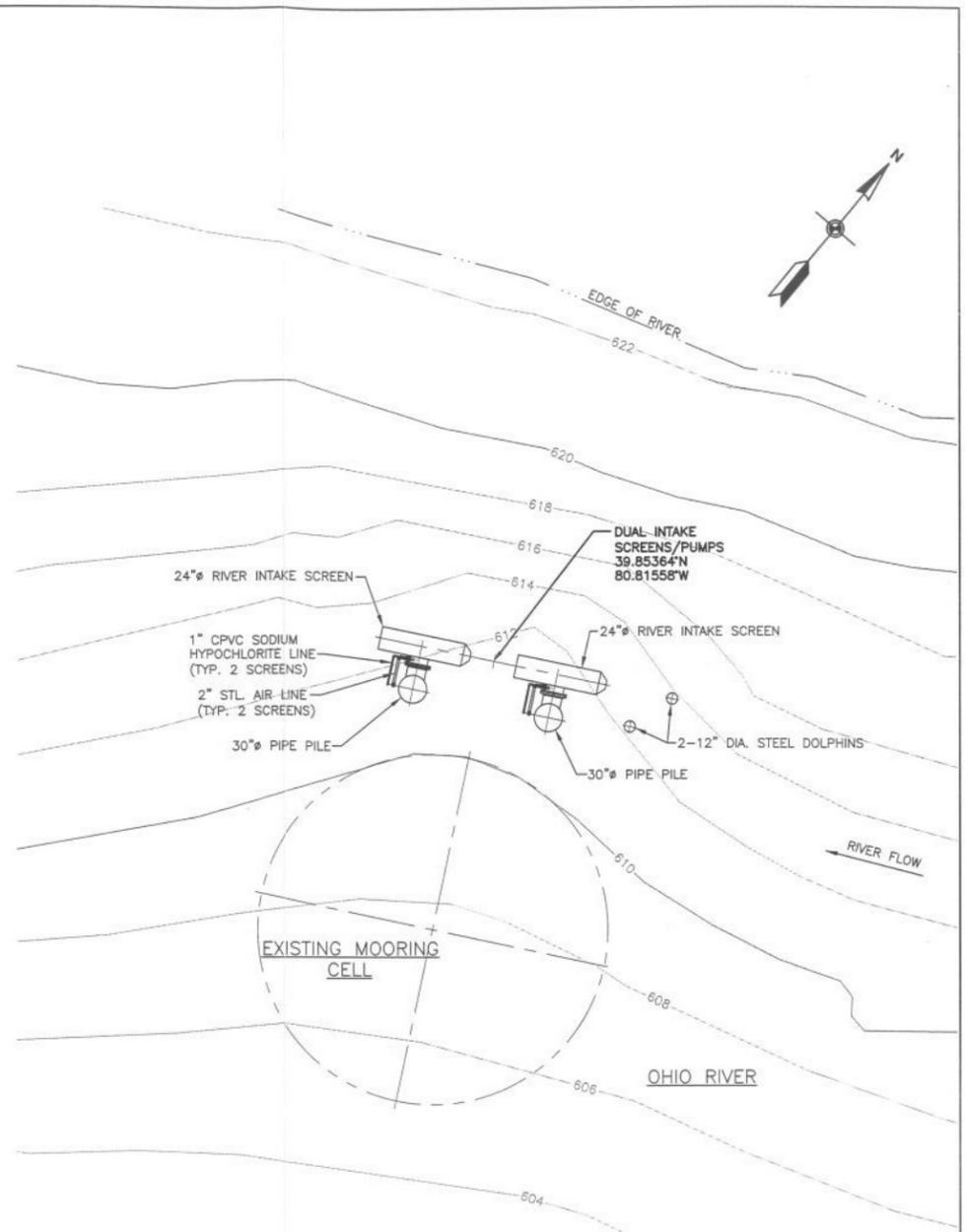
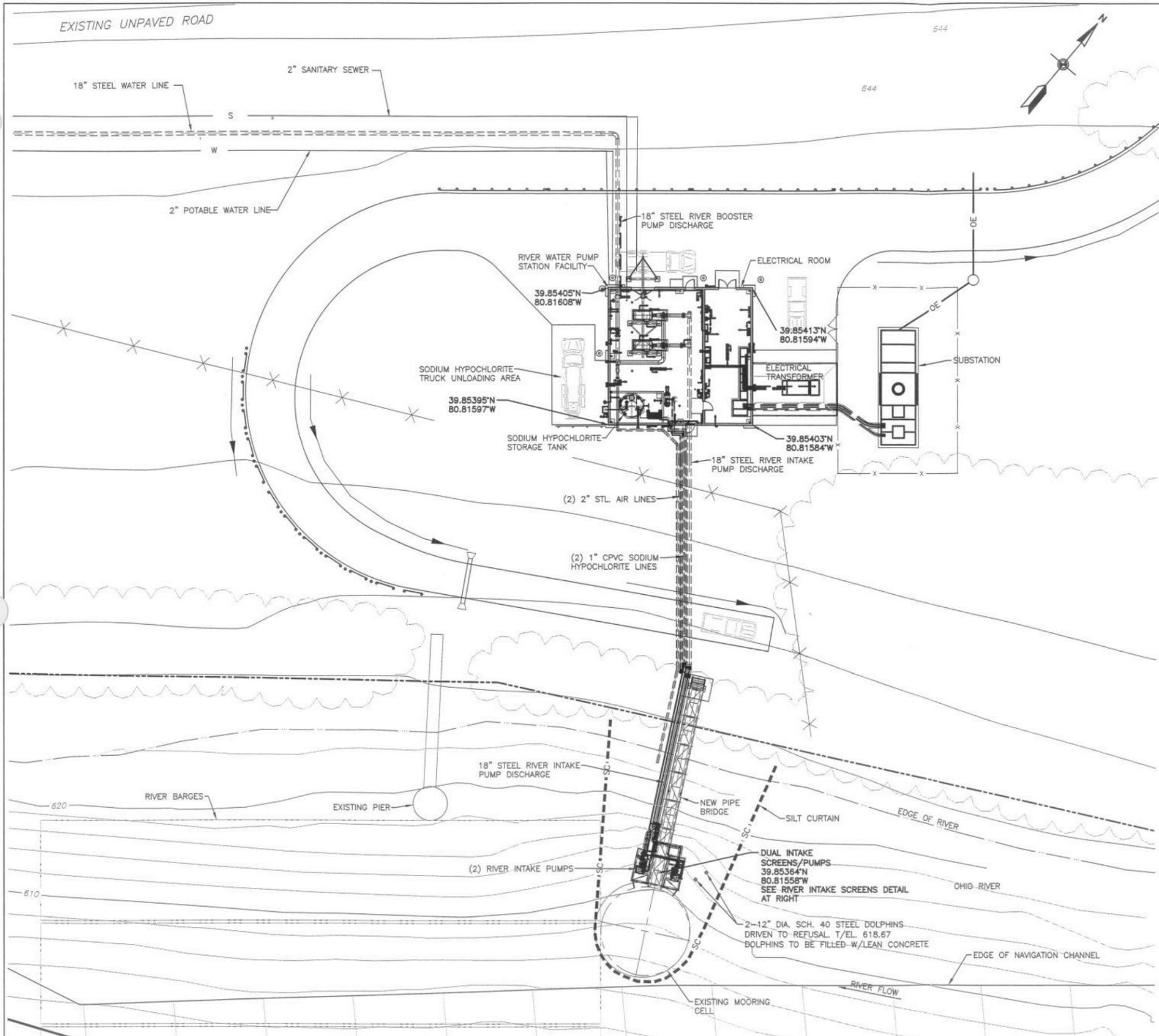
Prepared by:
CHESTER ENGINEERS
Chester Engineers
1555 Coraopolis Heights Road
Moon Twp., PA 15108
(412)809-5600 FAX(412)809-6611
www.chesterengineers.com

TUNA 2 WATER CONVEYANCE SYSTEMS
POWHATAN POINT
BELMONT COUNTY, OHIO

PUMP STATION SITE PLAN
2014-1101

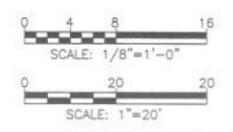
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DRAWING NO. C202PERMIT		
DRAWN BY: RGK		CHECKED BY:
APPROVED BY:		DATE: 8/20/14

User: [unreadable] Date: [unreadable]



- LEGEND**
- = TREE LINE
 - = FENCE
 - = OVERHEAD ELECTRIC
 - = EDGE OF NAVIGATION CHANNEL

PERMIT DRAWING



COORDINATE DATUM SYSTEM FOR THIS PROJECT
 NAD 83
 11023 MASON DIXON HIGHWAY
 BURTON, WEST VIRGINIA 26562

Revision	Description	Date	Designer	Approved

RICE ENERGY

RICE OLYMPUS MIDSTREAM, LLC
 CANONSBURG, PENNSYLVANIA

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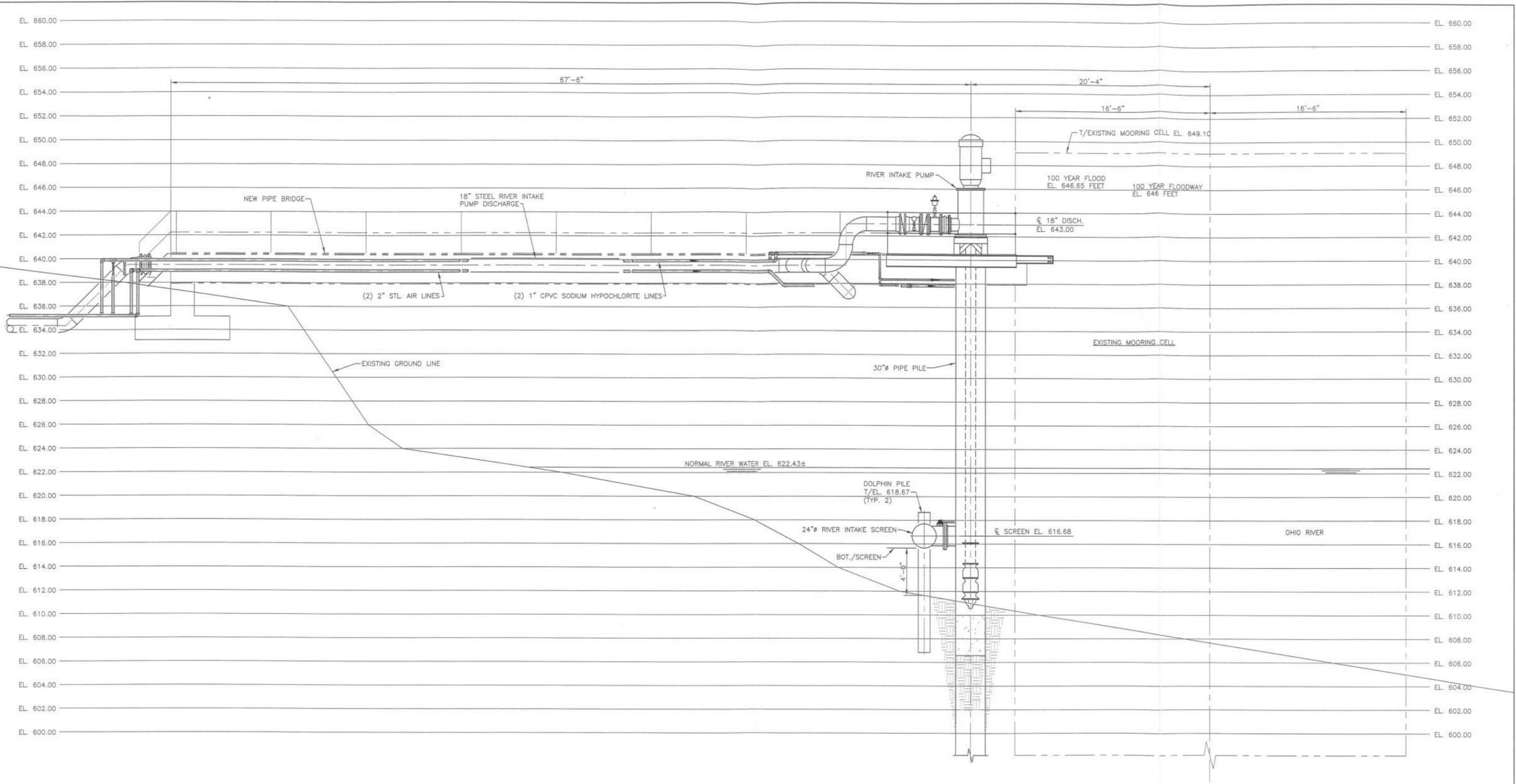
2014-1101

TUNA 2 WATER CONVEYANCE SYSTEMS
 POWHATAN POINT
 BELMONT COUNTY, OHIO

**RIVER WATER PUMP STATION
 AND RIVER INTAKE SCREENS
 GENERAL ARRANGEMENT**

SCALE AS SHOWN	FILE NO. M6545201PERMIT.dwg	REVISION
DRAWING NO. M201PERMIT		
DRAWN BY JE		
CHECKED BY		
APPROVED BY		
DATE 8/18/14		

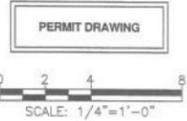
L:\Projects\0140-Rice Olympus Midstream\14-0140-0000_01\08 Design\07 Drawings\07.1 Working\M6545201PERMIT.dwg
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IMPACT OF PROPOSED FACILITIES WITHIN FLOODWAY

IN RIVER SUBSURFACE MATERIAL DISPLACED = 30.9 CUBIC FEET
 ON LAND SUBSURFACE MATERIAL DISPLACED = 492 CUBIC FEET
 FLOODWAY FILL VOLUME = 1,446 CUBIC FEET
 SURFACE AREA OF STRUCTURES IN FLOODWAY = 550 SQUARE FEET

ELEVATION AT PIPE BRIDGE
 SCALE: 1/4"=1'-0"



COORDINATE DATUM SYSTEM FOR THIS PROJECT
 NAD 83
 AD83 OHIO STATE PLANE SOUTH
 CODE: OH83-SF

AERIAL MAPPING PROVIDED BY:
 BLUE MOUNTAIN AERIAL MAPPING
 11023 MASON DIXON HIGHWAY
 BURTON, WEST VIRGINIA 26562

Revision	Description	Date	Designer	Approved

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TUNA 2 WATER CONVEYANCE SYSTEMS
 POWHATAN POINT
 BELMONT COUNTY, OHIO

ELEVATION AT RIVER INTAKE PUMPS
 2014-1101

SCALE AS SHOWN	FILE NO. M6545207PERMIT.dwg	REVISION
DRAWING NO. M207PERMIT		
DRAWN BY JE		
CHECKED BY		
APPROVED BY		
DATE 8/18/14		

Lead: David M. Spitzer
 Date: Permits 10/27/2014