

JOINT
PUBLIC NOTICE

CHARLESTON DISTRICT, CORPS OF ENGINEERS
69A Hagood Avenue
Charleston, SC 29403-5107
and
THE S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Office of Ocean and Coastal Resource Management
1362 McMillan Avenue, Suite 400
Charleston, South Carolina 29405

REGULATORY DIVISION
Refer to: P/N SAC-2017-01833

January 2, 2018

Pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), Sections 401 of the Clean Water Act (33 U.S.C. 1344), and the South Carolina Coastal Zone Management Act (48-39-10 et.seq.), an application has been submitted to the Department of the Army and the S.C. Department of Health and Environmental Control by

Mr. Andrew Speaker
Cox Point Plantation Investors, LLC
8 Perseverance Street
Mt. Pleasant, South Carolina 29464

for a permit to construct a commercial dock in

TOOGOODOO CREEK

at 4411 Cox Plantation Road in Meggett, Charleston County, South Carolina (Latitude: 32.678 °N, Longitude: -80.2959 °W), (Adams Run Quad Sheet).

In order to give all interested parties an opportunity to express their views

NOTICE

is hereby given that written statements regarding the proposed work will be received by the **Corps** until

15 Days from the Date of this Notice,

and **SCDHEC** will receive written statements regarding the proposed work until

30 Days from the Date of this Notice

from those interested in the activity and whose interests may be affected by the proposed work.

The proposed work consists of the construction of a commercial dock. In detail, the proposed work involves the construction of a 6-foot wide X 552-foot long walkway with handrails leading to a 12-foot X 20-foot covered pierhead with an 8-foot X 8-foot platform, a 3-foot X 12-foot ramp leading to a 12-foot X 40-foot floating dock and a 12.5-foot X 12.5-foot four-pile boat lift. The proposed dock will also include two (2) submersible water pumps, each with a 6-inch water intake

line. The water intake lines will connect to 8-inch flexible hoses and 8-inch PVC pipes running down the dock to the existing aquaculture facility located in the adjacent uplands. The submersible pumps will be located on the 8-foot X 8-foot platform. Each water intake line is rated for 1,500 gallons per minute (GPM). The two pumps will operate separately and will service different aspects of the aquaculture operation. One pump will be dedicated to replenishing water in the existing outdoor grow-out ponds. This pump will draw approximately 250,000 gallons of water during a single pumping cycle, which will be repeated every two to three days for eight to nine months of the year. The second pump will service the spawning and holding tanks of the hatchery. This pump will draw approximately 1,000 GPM of water semi-continuously as needed for about four months of the year. This water will be continuously recirculated back to the river.

The application states that the purpose of the proposed project is for the operation and maintenance of water pumping equipment and temporary mooring of work boats. The proposed commercial dock and associated pumps are necessary to obtain improved water quality and quantity of required saltwater for the adjacent land-based clam and oyster spawning, seeding and grow-out operation, for the temporary mooring of work boats and operation of the marsh-based caging and grow-out operation. The application also states that impacts to tidal marsh as a result of shading were not avoidable as the proposed dock must extend to the waters of Toogoodoo Creek to obtain the necessary quality (high salinity, cool temperature) and quantity of saltwater for the clam and oyster aquaculture operation. The dock must also be large enough to support the large industrial pumps, water intake lines, as well as traffic for maintenance and repair, and temporary moorage and operation of work boats. No mitigation is being proposed due to the nature (shading only) and amount of shading (0.09 acre). The proposed project does not involve the discharge of fill material into waters of the U.S., including wetlands.

NOTE: This public notice and associated plans are available on the Corps' website at:
<http://www.sac.usace.army.mil/Missions/Regulatory/PublicNotices> .

The District Engineer has concluded that the discharges associated with this project, both direct and indirect, should be reviewed by the South Carolina Department of Health and Environmental Control in accordance with provisions of Section 401 of the Clean Water Act. As such, this notice constitutes a request, on behalf of the applicant, for certification that this project will comply with applicable effluent limitations and water quality standards. The work shown on this application must also be certified as consistent with applicable provisions of the Coastal Zone Management Program (15 CFR 930). This activity may also require evaluation for compliance with the S. C. Construction in Navigable Waters Permit Program. State review, permitting and certification is conducted by the S. C. Department of Health and Environmental Control. The District Engineer will not process this application to a conclusion until such certifications are received. The applicant is hereby advised that supplemental information may be required by the State to facilitate the review.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Implementation of the proposed project would involve shading impacts 0.09 acre of estuarine substrates and emergent wetlands utilized by various life stages of species comprising the shrimp, and snapper-grouper management complexes. The District Engineer's initial determination is that the proposed action would not have a substantial individual or cumulative adverse impact on EFH or fisheries managed by the South Atlantic Fishery Management Council and the National Marine Fisheries Service (NMFS). The District Engineer's final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

Pursuant to the Section 7 of the Endangered Species Act of 1973 (as amended), the Corps has reviewed the project area, examined all information provided by the applicant, and the District Engineer has determined, based on the most recently available information that the project will have no effect on any Federally endangered, threatened, or proposed species and will not result in the destruction or adverse modification of designated or proposed critical habitat. This public notice serves as a request to the U.S. Fish and Wildlife Service and the National Marine Fisheries Service for any additional information they may have on whether any listed or proposed endangered or threatened species or designated or proposed critical habitat may be present in the area which would be affected by the activity.

Pursuant to Section 106 of the National Historic Preservation Act (NHPA), this public notice also constitutes a request to Indian Tribes to notify the District Engineer of any historic properties of religious and cultural significance to them that may be affected by the proposed undertaking.

In accordance with Section 106 of the NHPA, the District Engineer has consulted South Carolina ArchSite (GIS), for the presence or absence of historic properties (as defined in 36 C.F.R. 800.16)(f)(1)), and has initially determined that no historic properties are present; therefore, there will be no effect on historic properties. To ensure that other historic properties that the District Engineer is not aware of are not overlooked, this public notice also serves as a request to the State Historic Preservation Office and any other interested parties to provide any information they may have with regard to historic properties. This public notice serves as a request for concurrence within 30 days from the SHPO (and/or Tribal Historic Preservation Officer).

The District Engineer's final eligibility and effect determination will be based upon coordination with the SHPO and/or THPO, as appropriate and required and with full consideration given to the proposed undertaking's potential direct and indirect effects on historic properties within the Corps-identified permit area.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reasons for holding a public hearing.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest. The benefit which reasonably may be expected to accrue from the project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project 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 and, in general, the needs and welfare of the people. A permit will be granted unless the District Engineer determines that it would be contrary to the public interest. In cases of conflicting property rights, the Corps cannot undertake to adjudicate rival claims.

The Corps 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 activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this project. 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 need for a public hearing and to determine the overall public interest of the activity. **Please submit comments in writing, identifying the project of interest by public notice number, to the following address:**

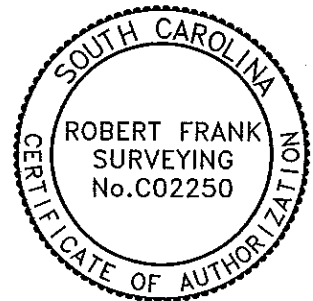
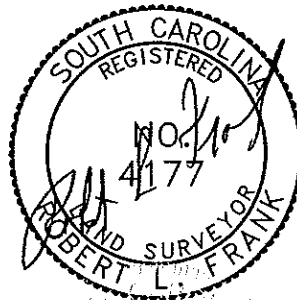
**U.S. Army Corps of Engineers
ATTN: REGULATORY DIVISION
69A Hagood Avenue
Charleston, SC 29403-5107**

If there are any questions concerning this public notice, please contact Tracy D. Sanders, Project Manager, at (843) 329-8190 or toll free at 1-866-329-8187.

A PROPOSED
COMMERCIAL DOCK AT
4411 COX PLANTATION RD.
LOCATED IN THE
TOWN OF MEGGETT
CHARLESTON COUNTY
SOUTH CAROLINA

THESE DRAWINGS ARE FOR DOCK PERMITTING
ONLY AND DO NOT CONSTITUTE A BOUNDARY
SURVEY OF THIS PROPERTY.

TMS #130-00-00-050



APPLICATION BY:
COX POINT PLANTATION INVESTORS LLC

ADDRESS: 4411 COX PLANTATION RD.

DATE: OCTOBER 26, 2017

REVISED:

ROBERT FRANK SURVEYING

1923 MAYBANK HWY. - CHARLESTON, S.C. 29412

Phone: 843-762-4608 Fax: 843-795-5970

E-mail - robertfranklandsurveying@comcast.net

WEB ADDRESS: www.robertfranksurveying.com

SHT. NO.

1 OF 6



ADJOINING PROPERTY OWNERS:
 1. JAC INC. (LOT 1)
 2. COX POINT PROPCO LLC (TO THE SOUTH)

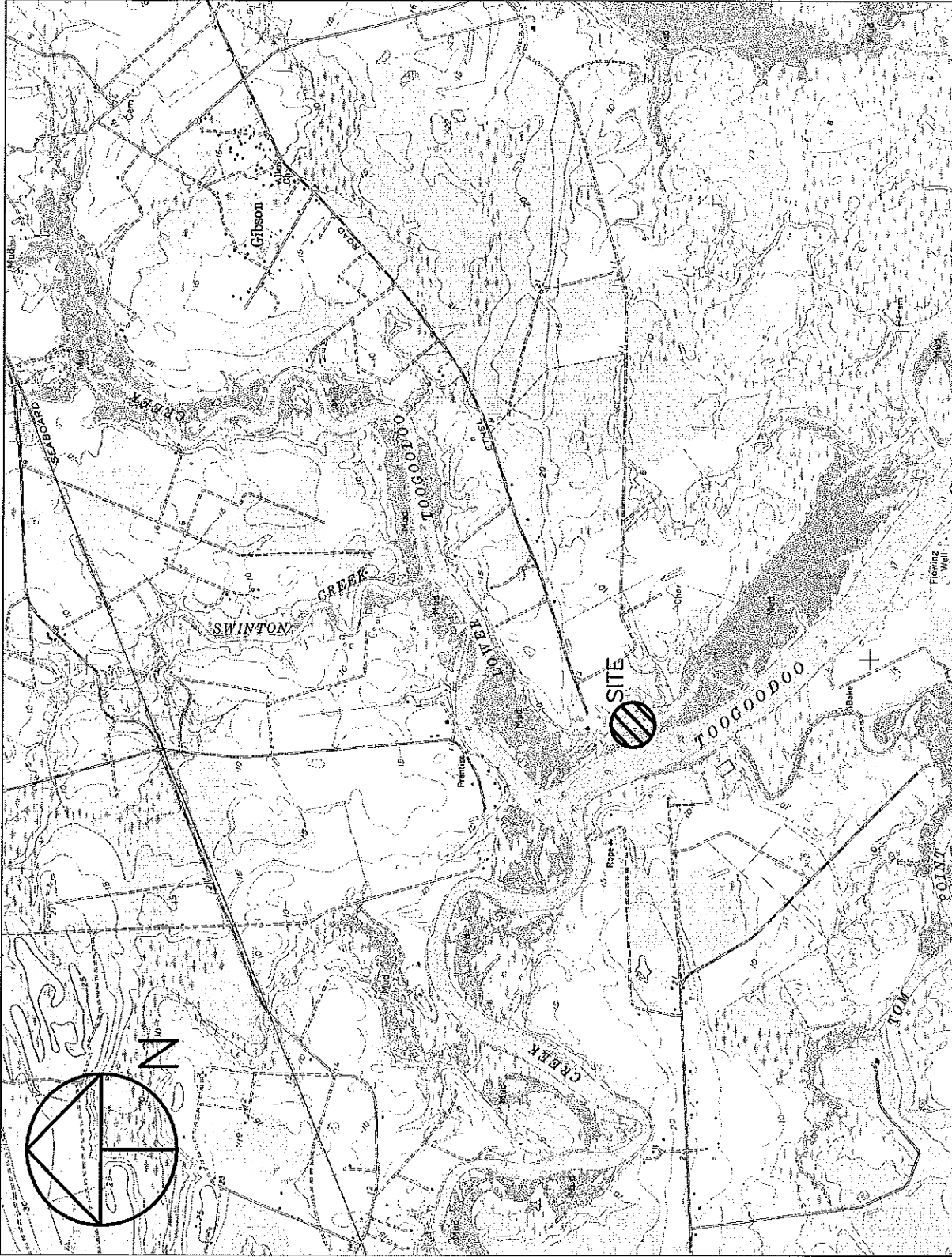
APPLICATION BY:
 COX POINT PLANTATION INVESTORS LLC
 ADDRESS: 4411 COX PLANTATION RD.
 DATE: OCTOBER 26, 2017
 REVISED:

LOCATION
 A PROPOSED
 COMMERCIAL DOCK AT
 4411 COX PLANTATION RD.
 LOCATED IN THE
 TOWN OF MEGGETT,
 CHARLESTON COUNTY
 SOUTH CAROLINA

SHT. NAME
 LOCATION
 MAP

SHT. NO.
 2 OF 6

TMS #130-00-00-050



ADJOINING PROPERTY OWNERS:
 1. JAC INC. (LOT 1)
 2. COX POINT PROPCO LLC (TO THE SOUTH)

APPLICATION BY:
 COX POINT PLANTATION INVESTORS LLC
 ADDRESS: 4411 COX PLANTATION RD.
 DATE: OCTOBER 26, 2017
 REVISED:

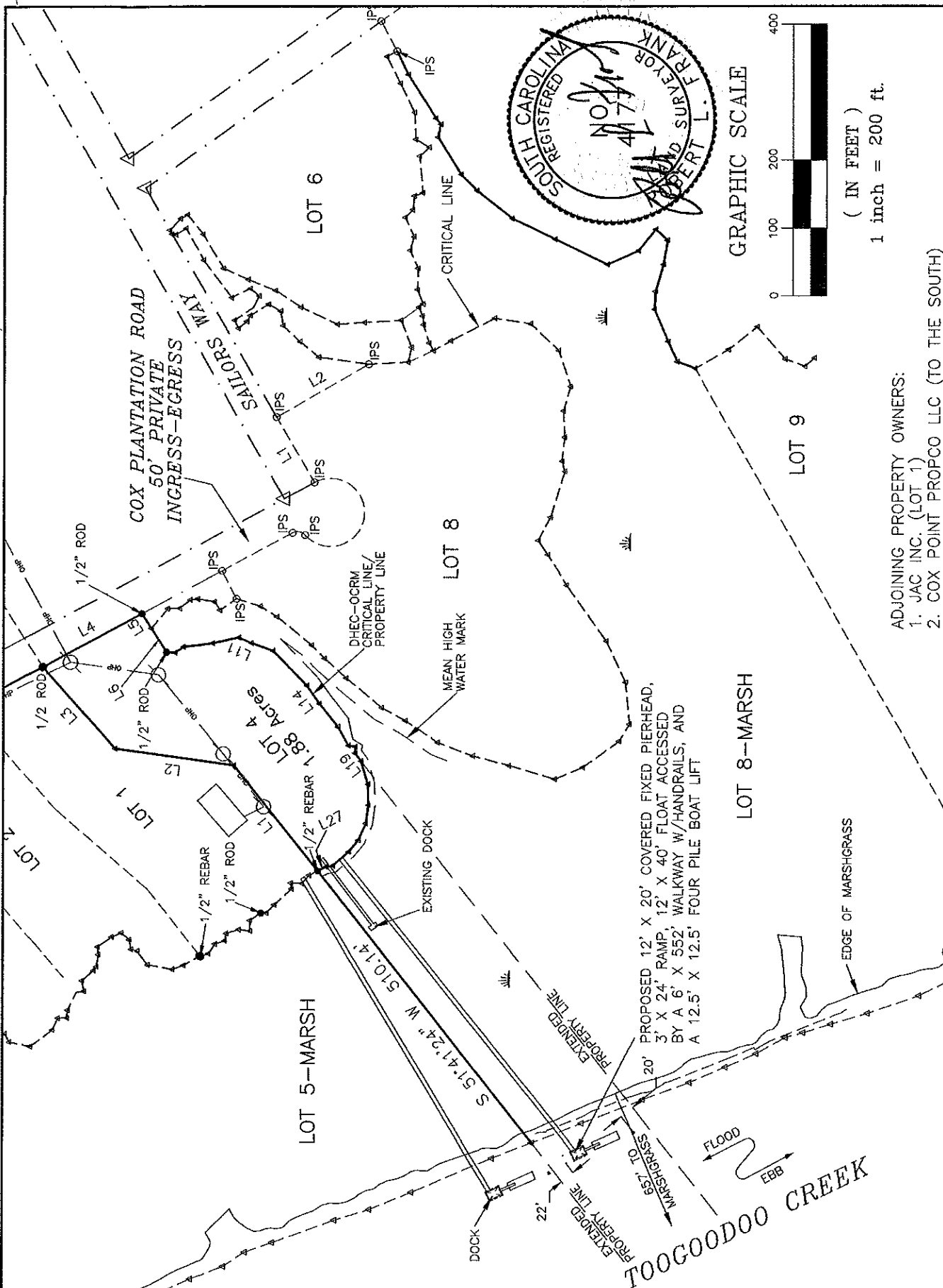
LOCATION
 A PROPOSED
 COMMERCIAL DOCK AT
 4411 COX PLANTATION RD.
 LOCATED IN THE
 TOWN OF MEGGETT
 CHARLESTON COUNTY
 SOUTH CAROLINA

SHT. NAME

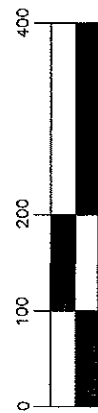
ADAMS RUN
 QUADRANGLE MAP
 PROJECT LATITUDE/LONGITUDE:
 LATITUDE - 32°40'40.8"
 LONGITUDE - 80°17'45.3"

SHT. NO.
 3 OF 6

TMS #130-00-00-050



GRAPHIC SCALE



(IN FEET)

1 inch = 200 ft.

ADJOINING PROPERTY OWNERS:

1. JAC INC. (LOT 1)
2. COX POINT PROPCO LLC (TO THE SOUTH)

APPLICATION BY: COX POINT PLANTATION INVESTORS LLC	SHT. NAME	SHT. NO.
ADDRESS: 4411 COX PLANTATION RD.	FULL PLAN VIEW	4 OF 6
DATE: OCTOBER 26, 2017	A PROPOSED COMMERCIAL DOCK AT 4411 COX PLANTATION RD. LOCATED IN THE TOWN OF MEGGETT CHARLESTON COUNTY SOUTH CAROLINA	TMS #130-00-00-050
REVISED:	LOCATION	

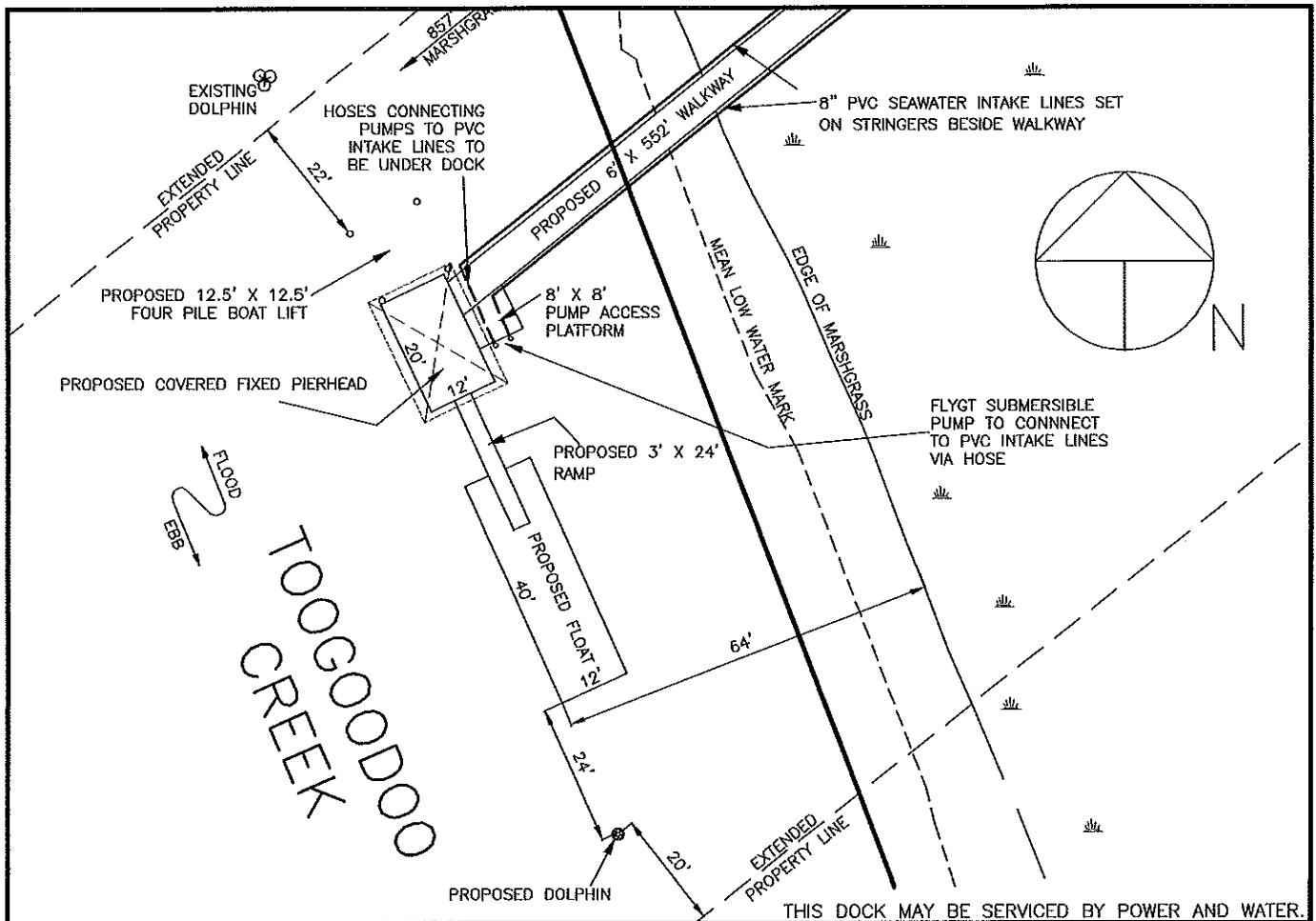
LINE	BEARING	DISTANCE
L1	S 51°41'24" W	198.54'
L2	S 08°00'15" W	177.25'
L3	S 48°20'51" W	161.12'
L4	N 28°11'31" W	165.87'
L5	N 57°28'59" E	25.81'
L6	N 57°28'59" E	41.58'
L7	S 02°45'13" W	12.53'
L8	S 34°38'10" E	14.86'
L9	S 07°25'04" E	43.46'
L10	S 12°04'38" E	39.48'
L11	S 23°17'57" W	20.65'
L12	S 19°49'10" W	33.90'
L13	S 46°14'20" W	71.61'
L14	S 54°33'46" W	32.50'
L15	N 51°50'08" E	43.33'
L16	N 60°05'46" E	31.42'
L17	N 10°56'13" E	10.01'
L18	S 89°28'54" E	9.62'
L19	N 52°52'20" E	14.47'
L20	N 72°52'43" E	35.69'
L21	N 88°35'51" E	30.71'
L22	S 81°51'22" E	27.28'
L23	S 65°22'48" E	26.94'
L24	S 50°51'10" E	22.05'
L25	S 41°30'13" E	31.08'
L26	S 09°59'49" E	10.20'
L27	N 26°28'42" W	13.69'

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	TANGENT
C1	15.00'	20.07'	18.61'	N 10°08'13" E	76°39'27"	11.86'
C2	50.00'	223.98'	78.45'	S 79°51'48" E	256°39'28"	63.25'

ADJOINING PROPERTY OWNERS:

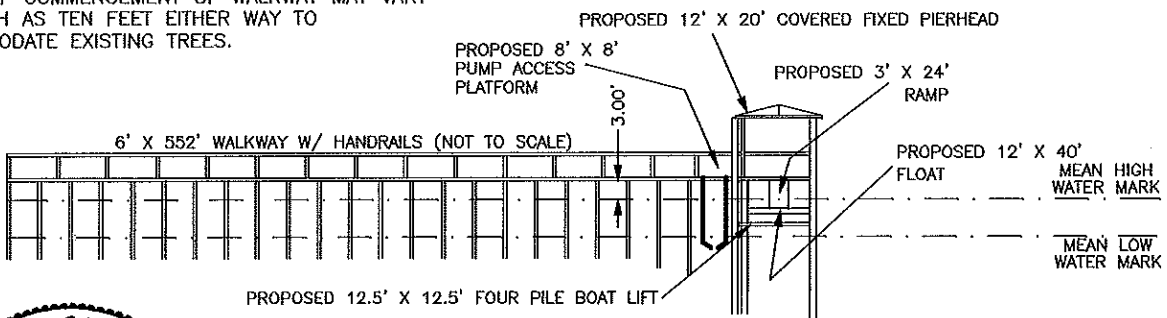
1. JAC INC. (LOT 1)
2. COX POINT PROPCO LLC (TO THE SOUTH)

APPLICATION BY: COX POINT PLANTATION INVESTORS LLC	LOCATION A PROPOSED COMMERCIAL DOCK AT 4411 COX PLANTATION RD. LOCATED IN THE TOWN OF MEGGETT CHARLESTON COUNTY SOUTH CAROLINA	SHT. NAME LINE AND CURVE DATA TMS #130-00-00-050	SHT. NO. 5 OF 6
ADDRESS: 4411 COX PLANTATION RD.			
DATE: OCTOBER 26, 2017			
REVISED:			

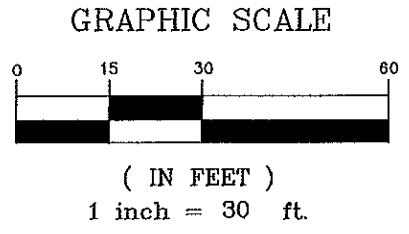


THIS DOCK MAY BE SERVICED BY POWER AND WATER.

POINT OF COMMENCEMENT OF WALKWAY MAY VARY AS MUCH AS TEN FEET EITHER WAY TO ACCOMMODATE EXISTING TREES.

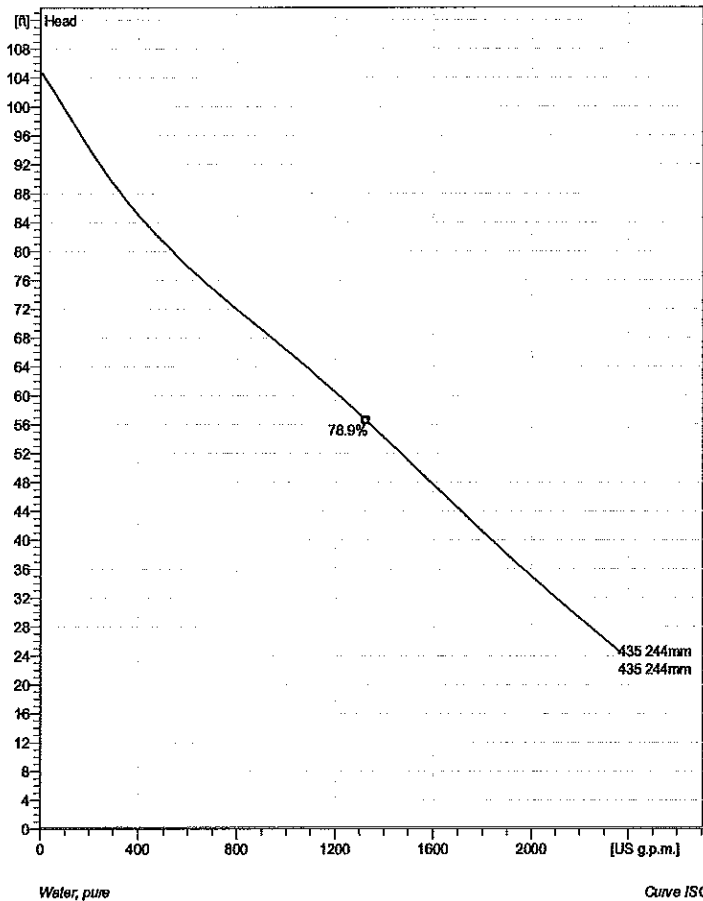


- ADJOINING PROPERTY OWNERS:
 1. JAC INC. (LOT 1)
 2. COX POINT PROPCO LLC (TO THE SOUTH)



APPLICATION BY: COX POINT PLANTATION INVESTORS LLC ADDRESS: 4411 COX PLANTATION RD. DATE: OCTOBER 26, 2017 REVISED: DECEMBER 18, 2017	LOCATION A PROPOSED COMMERCIAL DOCK AT 4411 COX PLANTATION RD. LOCATED IN THE TOWN OF MEGGETT CHARLESTON COUNTY SOUTH CAROLINA	SHT. NAME PLAN AND PROFILE TMS #130-00-00-050	SHT. NO. 6 OF 6
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NS 3171 MT 3~ 435 Technical specification

Note: Picture might not correspond to the current configuration.

General

Patented self cleaning semi-open channel impeller, ideal for pumping in waste water applications. Possible to be upgraded with Guide-pin® for even better clogging resistance. Modular based design with high adaptation grade.

Impeller

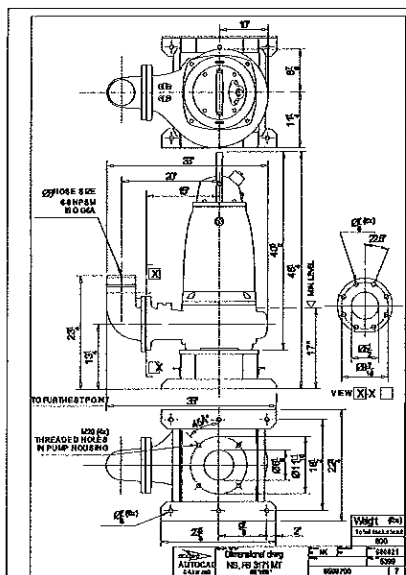
Impeller material	Grey cast iron
Discharge Flange Diameter	5 7/8 inch
Suction Flange Diameter	5 7/8 inch
Impeller diameter	244 mm
Number of blades	2

Motor

Motor #	N3171.181 25-17-4AA-W 30hp Standard
Stator variant	13
Frequency	60 Hz
Rated voltage	400 V
Number of poles	4
Phases	3~
Rated power	30 hp
Rated current	44 A
Starting current	320 A
Rated speed	1765 rpm
Power factor	
1/1 Load	0.82
3/4 Load	0.76
1/2 Load	0.64
Motor efficiency	
1/1 Load	89.3 %
3/4 Load	89.9 %
1/2 Load	89.1 %

Configuration

Installation: S - Portable Semi permanent, Wet





NS 3171 MT 3~ 435



Performance curve

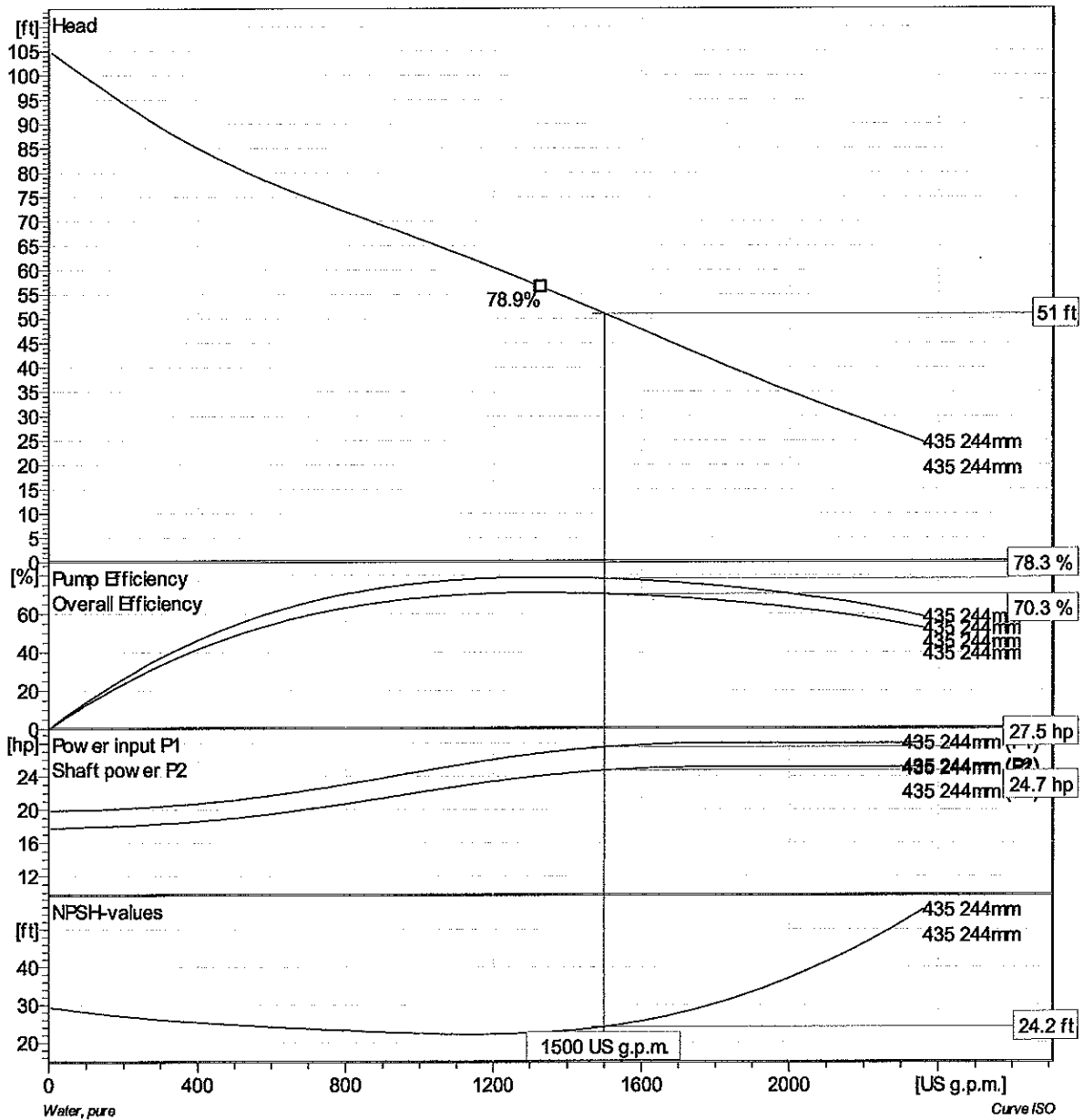
Pump

Discharge Flange Diameter 5 7/8 inch
 Suction Flange Diameter 150 mm
 Impeller diameter 9 9/16"
 Number of blades 2

Motor

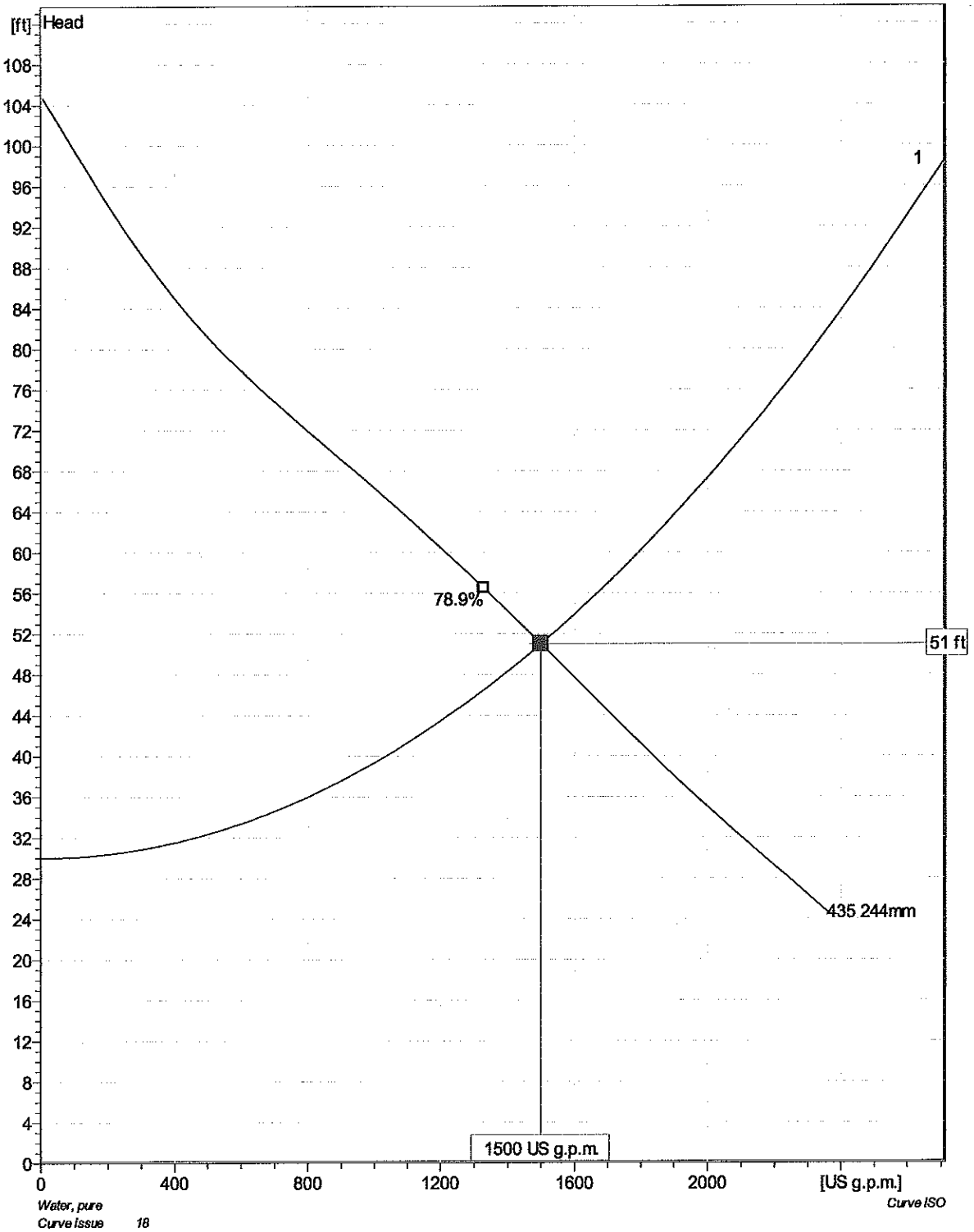
Motor # N3171.181 25-17-4AA-W 30hp
 Stator variant 13
 Frequency 60 Hz
 Rated voltage 400 V
 Number of poles 4
 Phases 3~
 Rated power 30 hp
 Rated current 44 A
 Starting current 320 A
 Rated speed 1765 rpm

Power factor
 1/1 Load 0.82
 3/4 Load 0.76
 1/2 Load 0.64
 Motor efficiency
 1/1 Load 89.3 %
 3/4 Load 89.9 %
 1/2 Load 89.1 %



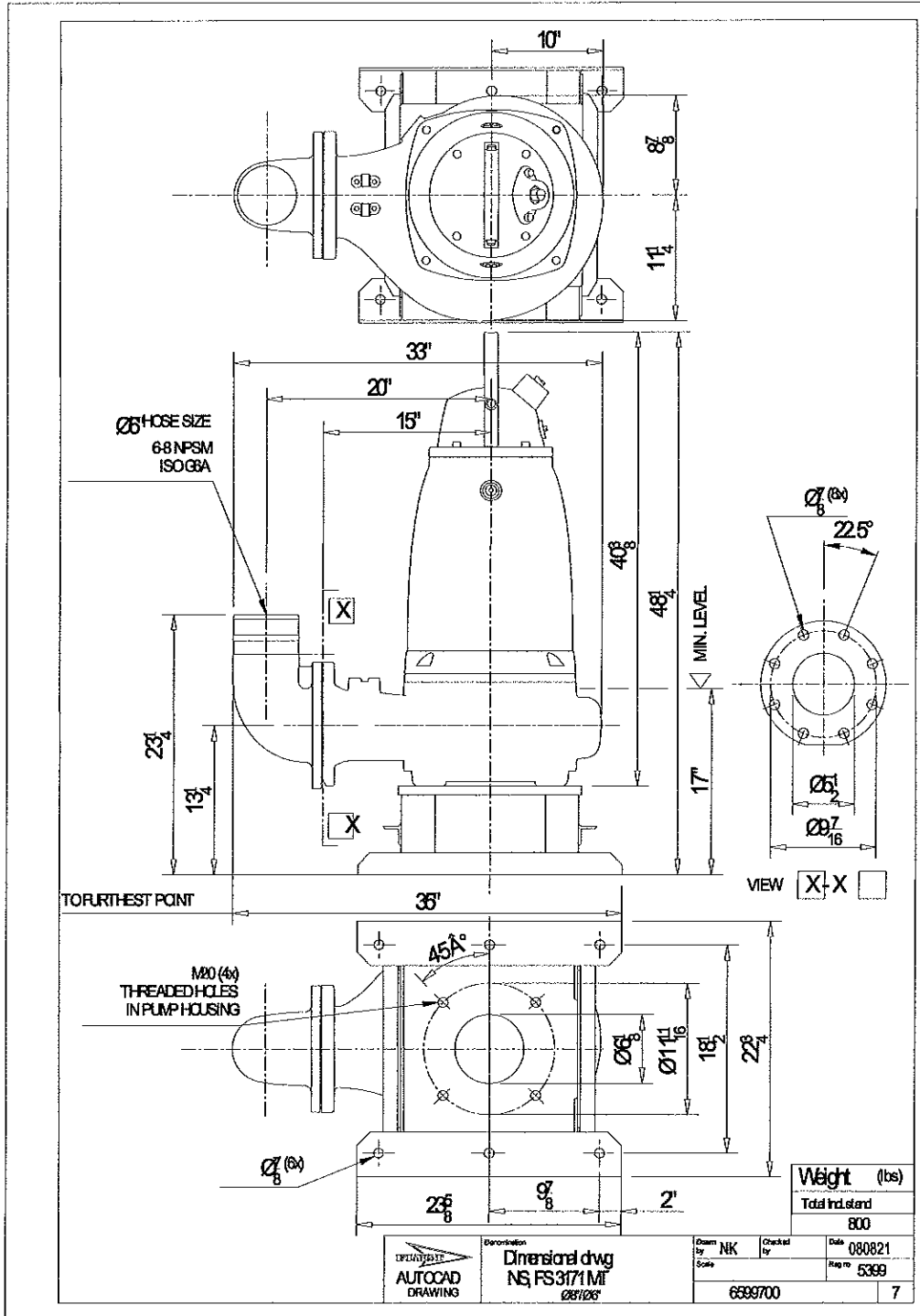
Duty point	Guarantee
Flow	Head
1500 US g.p.m.	51 ft
	No

NS 3171 MT 3~ 435 Duty Analysis



Pumps running /System	Individual pump			Total					
	Flow	Head	Shaft power	Flow	Head	Shaft power	Pump eff.	Specific energy	NPSHre
1	1500 US g.p.m.	51 ft	24.7 hp	1500 US g.p.m.	51 ft	24.7 hp	78.3%	228 kWh/USMG	24.2 ft

NS 3171 MT 3~ 435
Dimensional drawing



NP 3171 MT 3~ 435 Dimensional drawing

