

**TURKEY POINT UNITS 6 & 7
BARGE DELIVERY PLAN
BARGE FACILITY**

June 2009

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FLORIDA POWER & LIGHT COMPANY
INFORMATION SUMMARY

Facility Name: Turkey Point Plant

Street Address: 9700 S.W. 344th Street
Homestead, Florida 33035

Mailing Address: Same as above

City: City of Homestead

State: Florida

Zip Code: 33035

County: Miami Dade

Telephone Number: (305) 242-3812

24 Hr. Number (305) 242-3835 or (305) 242-3839

Facsimile Number: (305) 242-3834

Facility Location: Western shore of Biscayne Bay, approximately 8 miles east of Florida
City, Miami-Dade County, Florida

SIC Code: 4911

Latitude: 25°25'20" N

Longitude: 80°18'40" W

Wellhead Protection
Area: Not Applicable

Owner/Operator: Florida Power & Light Company
P.O. Box 14000
Juno Beach, Florida 33408-0420

Contact: Martin Gettler, Vice President
New Nuclear Projects

Contact Number: (561) 691-7487

Description of the Barge Facility Area

The Turkey Point Barge Facility consists of the following facilities:

1. Barge Turning Basin – A dead-ended canal about 300 feet wide, 1,200 feet long, and approximately 18 feet in depth. The only flushing that occurs is from very slight tidal action and rare west winds.
2. Boat Ramp – A rectangular land indentation on the north side of the barge turning basin, east end.
3. Equipment Barge Unloading Area – An area located on the north side of the barge turning basin adjacent to the boat ramp.
4. Fuel Oil Unloading Dock – A facility located on the north side of the barge turning basin, west end.
5. USAF/FDEP/Marine Patrol Docks – Docks located on the south side of the barge basin, facilities are currently inactive due to post-9/11 security restrictions.

Environmental Conditions

The Turkey Point Plant is located on the western shore of south Biscayne Bay. This portion of Biscayne Bay is approximately 8 miles wide and 9 miles long. On the west side of the Bay where the plant is located, extensive shoal areas exist. An area of relatively deep water, 7 to 8 feet, exists in the eastern half of this portion of the bay. South Biscayne Bay is separated from Card Sound to the south by a shoal area encompassing the Arsenicker Keys and Cutter Bank. The Featherbed Bank separates south Biscayne Bay from Biscayne Bay proper. The south Biscayne Bay area is connected to the Atlantic Ocean by Caesar Creek between Elliott Key and Old Rhodes Key.

Tides in the area are chiefly semidiurnal. The ocean tide has a mean range of 2.44 feet. The tide in south Biscayne Bay has a mean range of approximately 1.6 feet. High tide lags the ocean tide by approximately 2 hours and 15 minutes and low tide by approximately 2 hours and 45 minutes. There is only a slight tidal action in the plant's barge basin.

Currents in south Biscayne Bay in the area around the plant are primarily wind induced. The order of magnitude of tidal currents within this area is less than 0.5 ft/sec.

Water depths in the barge basin are approximately 18 feet. Water depths in the entrance channel are between 8 and 12 feet. The near shore shallow areas of the western side of south Biscayne Bay outside the channel are generally less than 5 feet deep.

The intertidal shoreline consists of carbonate sands. Subtidal south Biscayne Bay is underlain by shallow bedrock depressions. Sediments consisting of carbonate sands and muds form a shallow cover over the bedrock. In the shoal areas a moderate to dense cover of seagrass and calcareous green algae exists.

1. INTRODUCTION

The Turkey Point Plant has reliably supplied electric power to FPL's residential, commercial, and industrial customers since 1967, when Unit 1 began operation. The Turkey Point Plant Property occupies approximately 11,000 acres in Miami Dade County, Florida. Generating units at the Turkey Point Plant presently include Units 1 and 2 [each nominal 400- MW residual oil and/or natural gas-fired units], Units 3 and 4 (each nominal 700-MW nuclear units), and Unit 5 (a natural gas-fired combined cycle unit). There is an existing barge channel with barge turning basin for equipment and fuel oil deliveries.

FPL is seeking to construct and operate two approximately 1,100-MW (net) nuclear units on the approximately 11,000-acre Turkey Point plant property and referred to as the Project. The Project will include two nuclear units, six circulating water cooling towers, a makeup water reservoir, a substation, and other associated facilities. The technology proposed for Units 6 & 7 is the Westinghouse AP1000 PWR. The principal electric generating components of the Westinghouse AP1000 unit consist of the reactor, steam generators, pressurizer, and steam turbine/electric generator. Condenser cooling for the steam turbines will be accomplished using mechanical draft cooling towers. The principal structures for the Westinghouse AP1000 are the shield building, turbine building, annex building, and other auxiliary buildings. Turkey Point Unit 6 is expected to be in commercial operation in 2018, with Unit 7 expected to be in commercial operation in 2020.

2. PURPOSE

This document describes the minimum requirements and procedures that are to be used for the delivery of major equipment to the Project at the plant property during the Turkey Point Units 6 & 7 construction period. This plan supplements the existing Turkey Point Plant Operations Manual for Fuel Oil Unloading in accordance with U.S. Coast Guard Regulations 33 CFR 154.310.

The objective is to safely transport and transfer the cargo contents from the barge to land while preventing damage to the surrounding bay bottom and associated seagrass areas in Biscayne Bay. The existing equipment barge unloading area will be extended landward to facilitate component unloading.

3. GEOGRAPHIC LOCATION AND DESCRIPTION OF FACILITY

The Turkey Point plant property is located in southeast Miami-Dade County, Florida, on a large tract of land adjacent to Biscayne Bay. The Turkey Point Plant is 25 miles southeast of downtown Miami, 8 miles east of Florida City, and 9 miles southeast of Homestead, Florida as shown in Figure 1. An aerial view depicting the existing plant and the barge turning basin is shown in Figure 2 with the key components identified in the legend.

The barge turning basin was constructed in 1979 specifically for the purpose of transporting major equipment to the Plant. The equipment barge unloading area was constructed with on-shore anchoring bollards for securing the barge during off-loading operations.

The barge turning basin is about 300 feet wide, 1,200 feet long and 18 feet deep. The barge turning basin was designed and constructed to allow for the maneuvering of the major equipment barges within the basin and not in the bay or the bay channel. The barge turning basin is dead-ended and the only flushing that occurs is from tidal action and rare west winds.

4. CURRENT BARGE OPERATIONS

Fuel oil is delivered to the site by means of barge and tug from a fuel oil terminal at the Port of Miami on Dodge Island. The barge route to the plant is by way of the Intracoastal Waterway through Biscayne Bay utilizing the existing barge channel. The barge channel is approximately 3.4 miles in length with a width of about 90 feet at depth of -11 feet NAVD88 or more for the majority of its length (see Appendix A). The depth at -11 feet NAVD 88 is -9.37 feet mean low water. There is one fuel oil unloading dock at the plant, which is located on the north bank of the barge turning basin (Figure 2). Appropriate aids to navigation have been installed in the channel (refer to SCA Appendices 10.2.10 and 10.6).

The existing oil transfer operations can occur 24 hours a day, 7 days a week, 365 days per year. In a typical week, 5 to 7 deliveries of oil may be received. It usually requires about 5 to 8 hours to unload a barge of oil. Barge capacities vary between 10,000 and 14,000 barrels per delivery. The typical barge is approximately 230 feet long, 55 feet wide, and has a draft of 6.5 feet when loaded.

5. OIL SPILL CONTAINMENT EQUIPMENT

The existing plant has a detailed Oil Spill Response Plan. A detailed list of oil response equipment available at the plant is provided in the plant's emergency and oil spill response plans. If needed, the

barge turning basin can be contained by deploying a boom which is staged and ready for deployment at the basin entrance. Refer to Figure 2 for the storage location of the various components. Operating instructions for the use of containment equipment are provided with each piece of equipment.

In the event of a major oil spill where additional equipment is needed promptly, the Turkey Point Plant can request the oil spill containment equipment from FPL's Lauderdale Plant (55 miles away), and FPL's Port Everglades Plant (60 miles away). Refer to the Oil Spill Response Plan for each plant regarding the response equipment available.

Training exercises are held on a regular basis in accordance with the National Preparedness for Response Exercise Program (PREP). Details on the drills conducted are provided in the facility Oil Spill Response Plan.

6. FIRE EXTINGUISHING EQUIPMENT

The following fire extinguishing equipment is nearby and immediately available. These extinguishers are all applicable for flammable liquids and electrical fires.

<u>Location</u>	<u>Capacity</u>	<u>Type</u>
Unloading Dock	20 pounds	Dry Chemical
Unloading Dock	10 pounds	CO ₂
Unloading Pump Pit	15 pounds	CO ₂
Each Fuel Oil Barge/Tug	(As required by USCG)	

In the event of a major fire, assistance would be requested from the Miami-Dade County Fire Department:

Emergency: 911

Non-Emergency: (305) 595-6263

7. PROJECT BARGE OPERATIONS AND REQUIREMENTS

In addition to the current oil barge operations, delivery of major equipment is projected to occur during the construction of Units 6 & 7. The Westinghouse AP1000 has been designed to use modular construction techniques with structural, piping, and mechanical equipment modules. The largest components to be delivered are the reactor vessel, steam generators, steam turbines, and the electric generator. Transformers and other large components could also be delivered by barge. It is expected that 80 trips per unit will be needed over a six-year period to deliver large components via barge.

Delivery of the major components and equipment is expected to begin in 2013 for Unit 6 and last through 2018 for Unit 7. As with the current oil delivery operations, a majority of the deliveries are expected to commence from the Port of Miami. Alternate ports of origin include Port Everglades and Port of Palm Beach. The barge route to the plant is by way of the Intracoastal Waterway through Biscayne Bay, utilizing the existing barge channel. Deliveries will be to the equipment unloading area located on the north bank of the barge basin (see Figure 2).

Contractors experienced in the barge transportation of heavy equipment shall perform all barge deliveries of major equipment. Standard manatee conditions for construction during in-water work shall be applicable to equipment barge unloading area expansion and barge deliveries.

The barge operator shall be required to provide FPL with a 24-hour notification prior to arrival for clearance with operating facility and the construction management designee.

All deliveries will be closely coordinated with ongoing fuel oil deliveries in order to minimize the need for simultaneous barge movements within the barge turning basin and the barge entrance channel. The operating plant control room personnel will be notified by oil contractor and equipment delivery barge operators by telephone, radio, and/or facsimile prior to barge transit to the Turkey Point Plant. The control room personnel and construction project management designee will communicate by phone and/or radio with both the oil and equipment delivery operators to schedule barge deliveries and coordinate movement of barges within the barge turning basin. Only one barge will be allowed to transit the barge entrance channel at any one time in order to reduce the potential for traffic-induced impact to areas outside the channel.

As a courtesy, the barge operator will notify Biscayne National Park of its intended delivery date and time to the Turkey Point Plant.

The maximum size barge allowed shall not exceed the typical dimensions for the existing oil barges servicing the Plant (230 feet long by 55 feet wide with a maximum draft of 6.5 feet). It is expected that approximately 80 barge trips per unit will be needed over a six-year period to deliver large components. As indicated in Appendix A, the barge channel is of sufficient depth and width to accommodate barge deliveries even under mean low water conditions. Over a six-year period, the average barge deliveries will be about 27 deliveries per year or about two per month. This traffic is much less than the current number of deliveries of oil.

The barge operator for delivery of components for Units 6 & 7 will provide FPL with a detailed barge mooring and off-loading plan for review and approval prior to the departure of any barge from its originating port. The plan will include, as a minimum, the following:

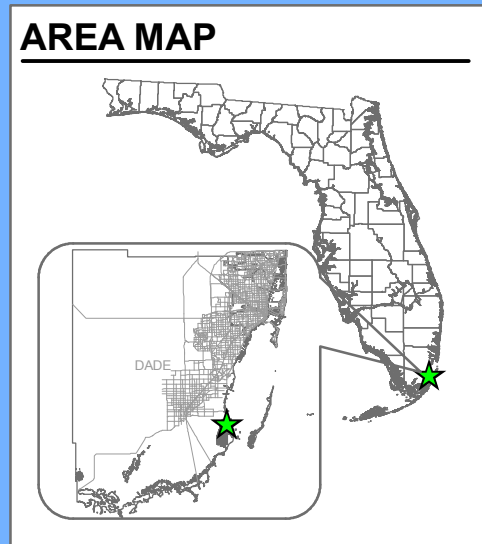
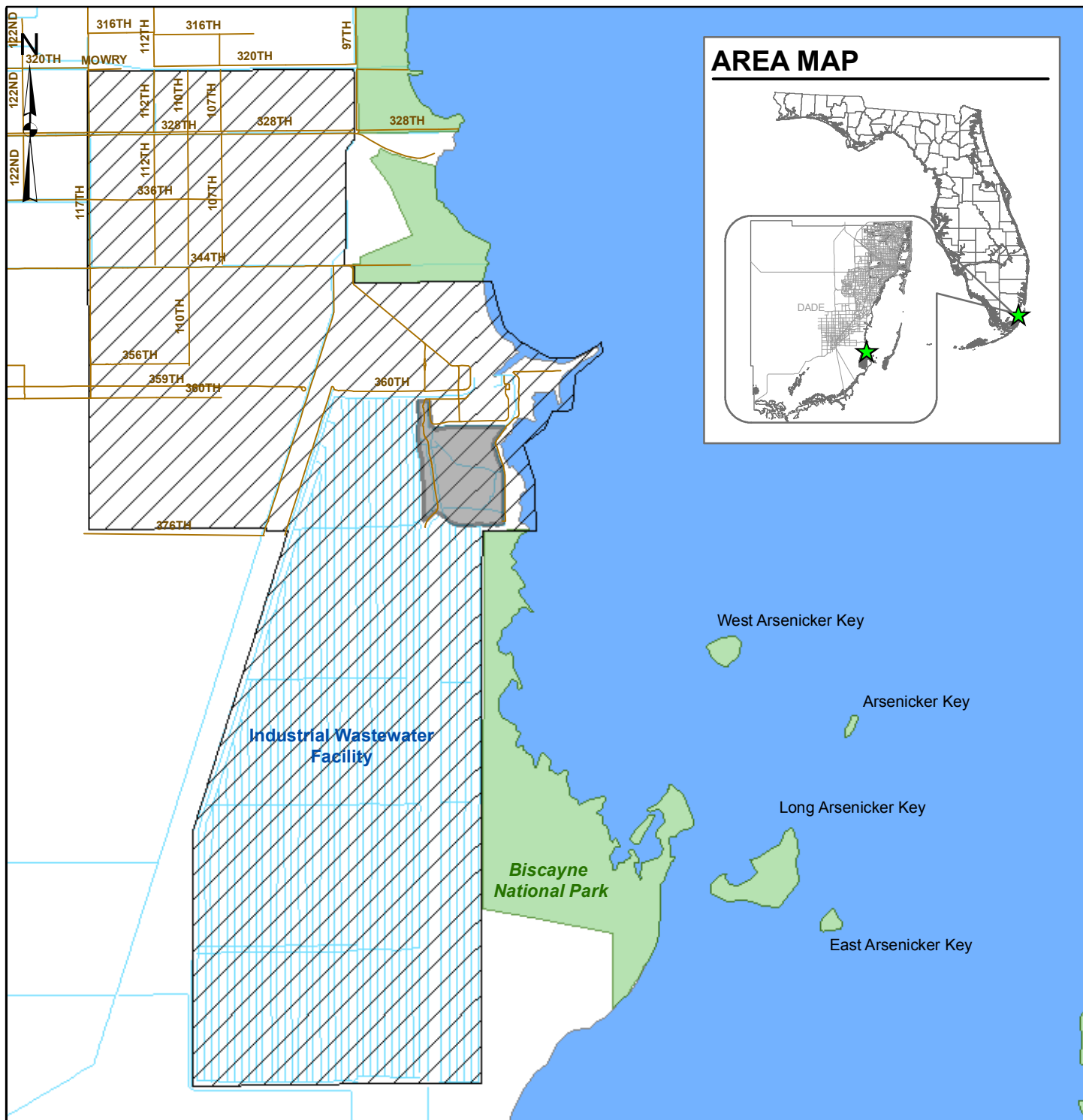
- A. Barge length, width, and maximum draft (6.5 feet or less).
- B. Barge and cargo weight.
- C. Delivery tug boat length, width, and maximum draft.
- D. Detailed plan sketch showing orientation of barge to barge slip with mooring location details to on-shore anchors.
- E. Detailed barge-maneuvering plan demonstrating compliance with this Barge Delivery Plan. All barge maneuvering shall be restricted to the barge basin at Turkey Point.
- F. Detailed plan identifying off-loading sequences, including any accommodations required for the adjustment of the mooring to on-shore anchors.
- G. Contingency plan to preclude the barge from grounding and/or damaging adjacent seagrass beds outside of the designated barge basin and barge channel.
- H. Contingency plan for severe weather warnings (e.g., imminent tropical storms, hurricanes, etc.) to ensure the barge does not transit the Biscayne Bay during the storm.
- I. Manatee Protection Plan (see attached).

FLORIDA POWER & LIGHT COMPANY TURKEY POINT UNITS 6 & 7 PROJECT MANATEE PROTECTION PLAN

STANDARD MANATEE CONSTRUCTION CONDITIONS FOR IN-WATER WORK WITHIN BARGE TURNING BASIN AND ENTRANCE CHANNEL AT TURKEY POINT PLANT

All contractors shall comply with the following manatee protection conditions:

- a. Contractor supervisors shall instruct all personnel associated with in-water work within the barge turning basin and entrance channel of the Turkey Point Plant of the potential presence of manatees and the need to avoid manatees.
- b. Contractor supervisors shall ensure that a log is maintained detailing sightings, collisions, or injuries to manatees should they occur during the project. All such incidents shall be reported immediately to FPL and FPL contractor designee. Following project completion, a report summarizing incidents and sightings will be prepared by the construction contractor and shall be submitted to the FPL Environmental Services Department, 700 Universe Blvd., Juno Beach, FL 33408.
- c. Contractor supervisors shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees, which are protected under the Marine Mammal Protection Act of 1972, The Endangered Species Act of 1973, and the Florida Manatee Sanctuary Act. The Florida Manatee is listed as an **Endangered Species** and is protected by Federal and State Law. **Criminal penalties under the Endangered Species Act can include up to 1-year imprisonment and/or a \$50,000 fee.**
- d. Any collision with and/or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission at 1-888-404-FWCC (1-888-404-3922) (24 hours). Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336). FPL will make these notifications in cooperation with the contractor.
- e. All vessels used in the operation or in association with the in-water work shall have a dedicated observer on board responsible for identifying the presence of manatee(s). If a manatee is observed within 100 feet of the project area, the crew should be alerted that a manatee is in the area. Work can continue but at extreme caution. The manatee observer must be present during all in-water construction activities and will advise personnel to cease operation upon sighting a manatee within 50 feet of any in-water construction activity. The manatee observer should have polarized glasses to aid in observation. In addition, all construction personnel are responsible for observing water-related activities for the presence of manatees.
- f. If manatee(s) are seen within the area of in-water work, all appropriate precautions shall be implemented to ensure protection of the manatee(s). These precautions shall include the immediate shutdown of equipment if necessary. Activities will not resume until the manatee(s) has departed to a safe distance (>50 feet) on its own volition.
- g. Crushing and interactions with the propellers of tugboats are two potential risks for manatees. Manatees have been known to go beneath vessels that are docked overnight. Before project activities resume each day, crews should bang on the sides of the vessel and allow ample time for the manatees to move a safe distance away.
- h. Movement of a work barge, other associated vessels, or any in-water work shall not be performed after sunset or before sunrise, when the possibility of spotting manatees is negligible.
- i. All vessels associated with in-water work associated with the barge turning basin or entrance channel shall operate at "no wake/idle" speeds at all times. All vessels will follow routes of deep water and stay in the channel whenever possible.



LEGEND

- Turkey Point Plant Property
- Turkey Point 6 & 7 Site

REFERENCES

1. Roads, Municipalities, Miami-Dade County GIS 2007.
2. Biscayne National Park, National Parks Service, 2006.



PROJECT	TURKEY POINT UNITS 6 & 7 PROJECT	
TITLE	BARGE DELIVERY PLAN TURKEY POINT PLANT PROPERTY	
	FILE No.	083875840002
	REV.	0
	PLOT DATE	6/14/2009
		FIGURE 1



LEGEND

- A - Barge turning basin
- B - Fuel oil unloading dock
- C - Fuel oil storage tank
- D - Fuel oil storage tank
- E - Units 1 & 2
- F - Nuclear units 3 & 4
- G - Floating oil boom location
- H - Equipment barge unloading area
- I - Oil spill cabinet location
- J - Unit 5

REFERENCES

1. Imagery, Miami-Dade County, 2007

PROJECT

TURKEY POINT UNITS 6 & 7
PROJECT

TITLE

BARGE DELIVERY PLAN
BARGE TURNING BASIN AREA



FILE No. 08387584O003

REV. 0

PLOT DATE 6/14/2009

FIGURE

2

APPENDIX A

FLORIDA POWER & LIGHT COMPANY TURKEY POINT BARGE CHANNEL BATHYMETRY DATA

ABBREVIATIONS	
NAD	NORTH AMERICAN DATUM
NAVD	NORTH AMERICAN VERTICAL DATUM

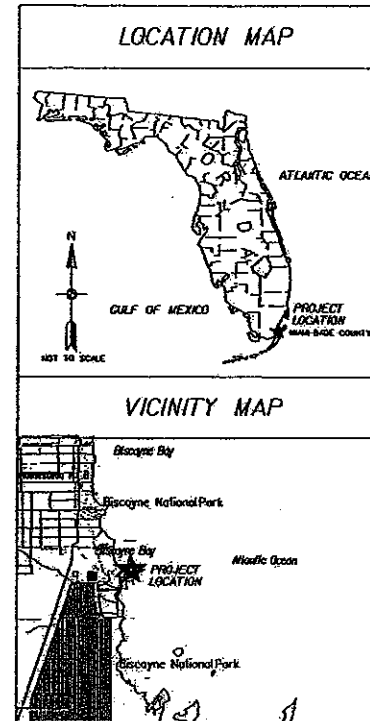
SURVEY CONTROL				
CONTROL POINT	EL (NAVD) FEET	EASTING NAD 83 EAST (0901)	NORTHING NAD 83 EAST (0901)	DESCRIPTION
F-61 1 (AC1178)	7.13	NA	NA	COPPER WELD SET IN BRIDGE

SURVEY NOTES:

1. REFER TO SEA DIVERSIFIED SURVEY 07-1246
2. THIS HYDROGRAPHIC SURVEY WAS CONDUCTED ON MARCH 5, 2008 AND APRIL 8, 2008.
3. THE COORDINATES SHOWN HEREON ARE IN FEET AND ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE (0901), TRANSVERSE MERCATOR PROJECTION, NORTH AMERICAN DATUM, 1983 (NAD83).
4. VESSEL POSITIONING WAS OBTAINED BY A TRIMBLE, REAL-TIME DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS). CORRECTIONS WERE OBTAINED FROM THE U.S.C.G. NAVBEACON STATION.
5. SOUNDINGS ARE IN FEET RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (1988) AND WERE OBTAINED USING AN ODOM HYDROTRAC SURVEY GRADE SOUNDER.
6. TIDE REDUCTIONS WERE MADE FROM A TIDE STAFF SET RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM (NAVD, 1988) AND IS BASED ON SURVEY BENCHMARK TABULATED HEREON.
7. CONTOURS ARE SHOWN AT ONE-FOOT INTERVALS AND ARE BASED UPON A DIGITAL TERRAIN MODEL (DTM).
8. UNDERGROUND IMPROVEMENTS OR UTILITIES WERE NOT LOCATED AS PART OF THIS SURVEY AND SHOULD BE FIELD VERIFIED PRIOR TO ANY DREDGING AND/OR CONSTRUCTION.
9. GEOGRAPHICAL FEATURES SUCH AS ROADWAYS AND SHORELINES, WERE NOT LOCATED DURING THE COURSE OF THE SURVEY AND ARE SHOWN FOR GRAPHICAL PURPOSES ONLY. THE PROPOSED DOCK SHOWN HEREON WAS PROVIDED BY THE CLIENT.
10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF THE SURVEY ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THE TIME.
11. THIS SURVEY IS NOT VALID WITHOUT THE RAISED SEAL AND THE ORIGINAL SIGNATURE OF A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER.

Biscayne National Park

Atlantic Ocean



Revisions	
No.	Date

TURKEY POINT POWER PLANT
HYDROGRAPHIC SURVEY
HONOLULU, HAWAII COUNTY, HAWAII

COASTAL TUG AND BARGE
1020 Port Boulevard, Suite 2
Miami, Florida 33132

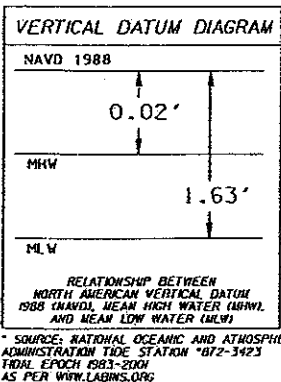
SEA DIVERSIFIED, INC.
Surveying and Engineering Applications
741 (561) 243-4825
Fax (561) 243-4857
13 Executive Center
1200 NW 12th Avenue, Suite 3
Dade Beach, Florida 33145

SEA DIVERSIFIED, INC.
Surveying and Engineering Applications
741 (561) 243-4825
Fax (561) 243-4857
13 Executive Center
1200 NW 12th Avenue, Suite 3
Dade Beach, Florida 33145

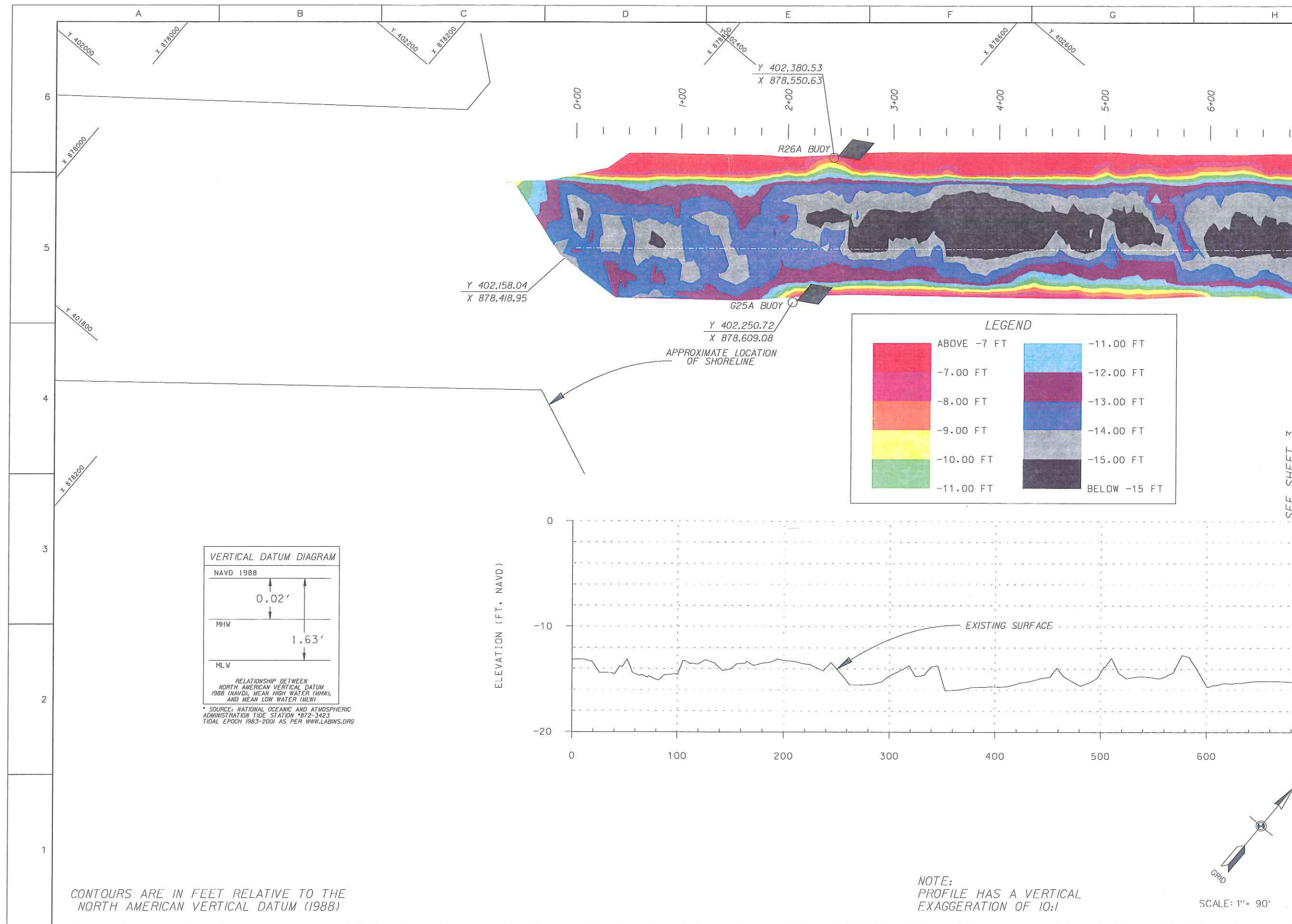
SEA DIVERSIFIED, INC.
Surveying and Engineering Applications
741 (561) 243-4825
Fax (561) 243-4857
13 Executive Center
1200 NW 12th Avenue, Suite 3
Dade Beach, Florida 33145

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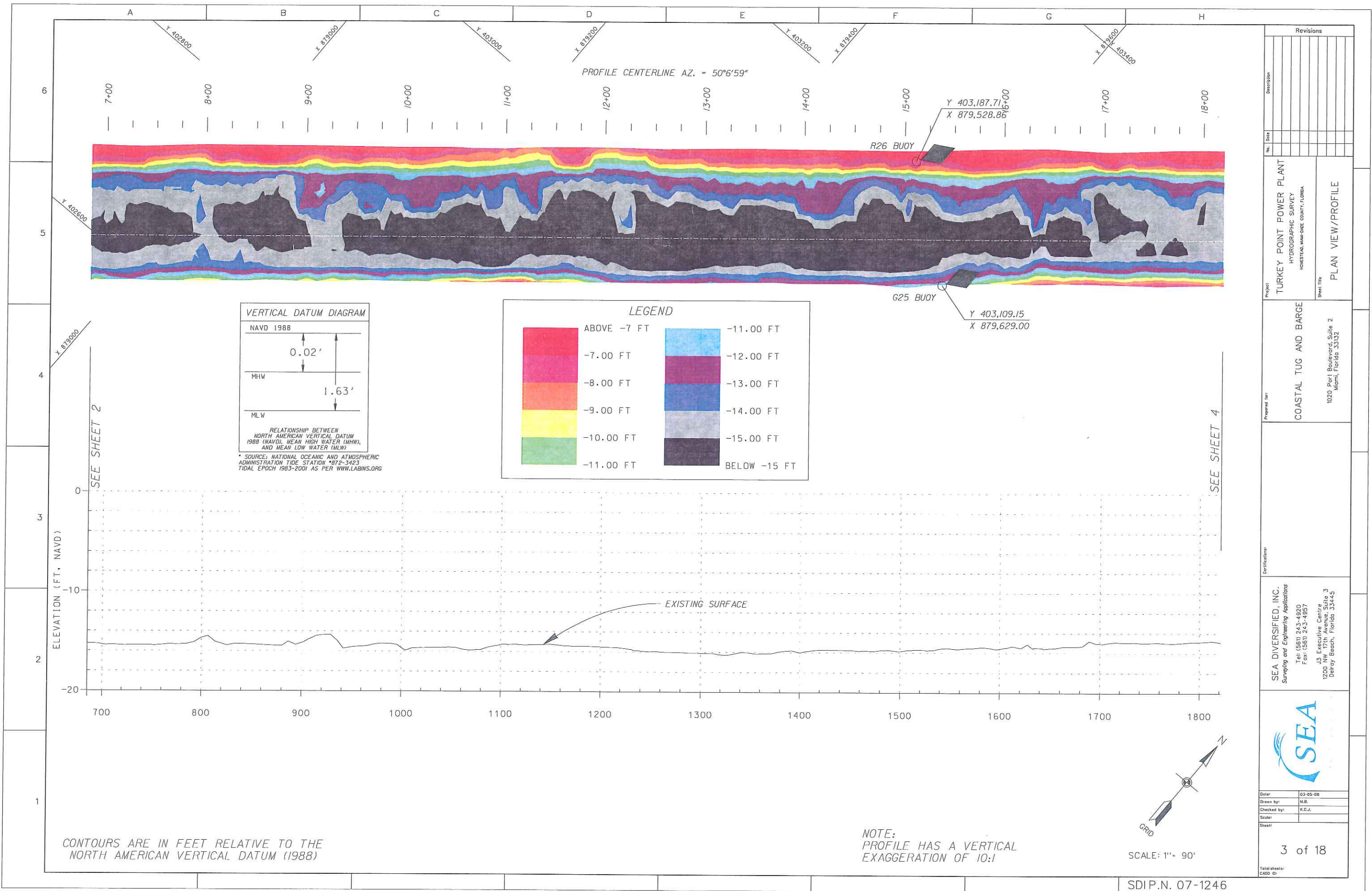
NAVIGATIONAL AIDS				
MARKER DESIGNATION	EASTING NAD 83 EAST (0901)	NORTHING NAD 83 EAST (0901)	LATITUDE DEGREES AND DECIMAL MINUTES	LONGITUDE DEGREES AND DECIMAL MINUTES
G25A	878602.08	402250.72	25°26.3216425'N	80°19.5559462'W
R26A	878550.83	402380.53	25°26.3431207'N	80°19.5664536'W
G25	879629.00	403109.15	25°26.4625020'N	80°19.3697241'W
R26	879528.86	403187.71	25°26.4755549'N	80°19.3878582'W
GREEN BUOY	880463.93	403805.89	25°26.5768208'N	80°19.2172786'W
RED BUOY	880390.89	403907.31	25°26.5936250'N	80°19.2304644'W
G17	881407.41	404604.27	25°26.7078242'N	80°19.0449976'W
R16	881310.77	404668.22	25°26.7184629'N	80°19.0625089'W
GREEN BUOY	882332.86	405372.79	25°26.8339100'N	80°18.8760164'W
RED CAN	882287.63	405487.35	25°26.8528603'N	80°18.8841331'W
GREEN 21	883230.97	406120.78	25°26.9566265'N	80°18.7120198'W
RED CAN	883142.99	406200.34	25°26.9698354'N	80°18.7279420'W
GREEN CAN	884155.84	406892.64	25°27.0832575'N	80°18.5431294'W
RED CAN	884079.52	406973.60	25°27.0966878'N	80°18.5569302'W
GREEN CAN	885007.16	407613.62	25°27.2015818'N	80°18.3876548'W
RED CAN	884975.24	407718.07	25°27.2188191'N	80°18.3933601'W
GREEN CAN	885986.39	408424.68	25°27.3345976'N	80°18.2088316'W
RED CAN	885910.02	408503.72	25°27.3477115'N	80°18.2226431'W
GREEN CAN	886982.75	409261.01	25°27.4717993'N	80°18.0268629'W
RED CAN	886944.20	409371.95	25°27.4901469'N	80°18.0337668'W
GREEN CAN	887935.04	410055.46	25°27.6021218'N	80°17.8529410'W
RED CAN	887886.57	410166.36	25°27.6204716'N	80°17.8616485'W
GREEN CAN	888852.20	410824.97	25°27.7283543'N	80°17.6854251'W
RED CAN 16	888832.25	410948.78	25°27.7488105'N	80°17.6889337'W
GREEN CAN	889604.74	411454.99	25°27.8317005'N	80°17.5479734'W
RED CAN	889562.04	411553.32	25°27.8479704'N	80°17.5556432'W
GREEN CAN	890755.91	412418.86	25°27.9898060'N	80°17.3377041'W
RED CAN	890639.33	412467.10	25°27.9978722'N	80°17.3588572'W
RED 2	892259.02	414097.62	25°28.2656093'N	80°17.0627263'W



SDIP.N. 07-1246

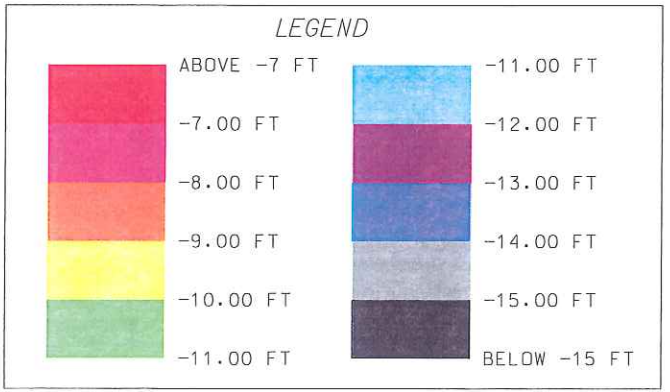
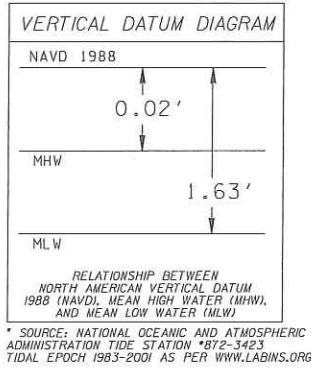
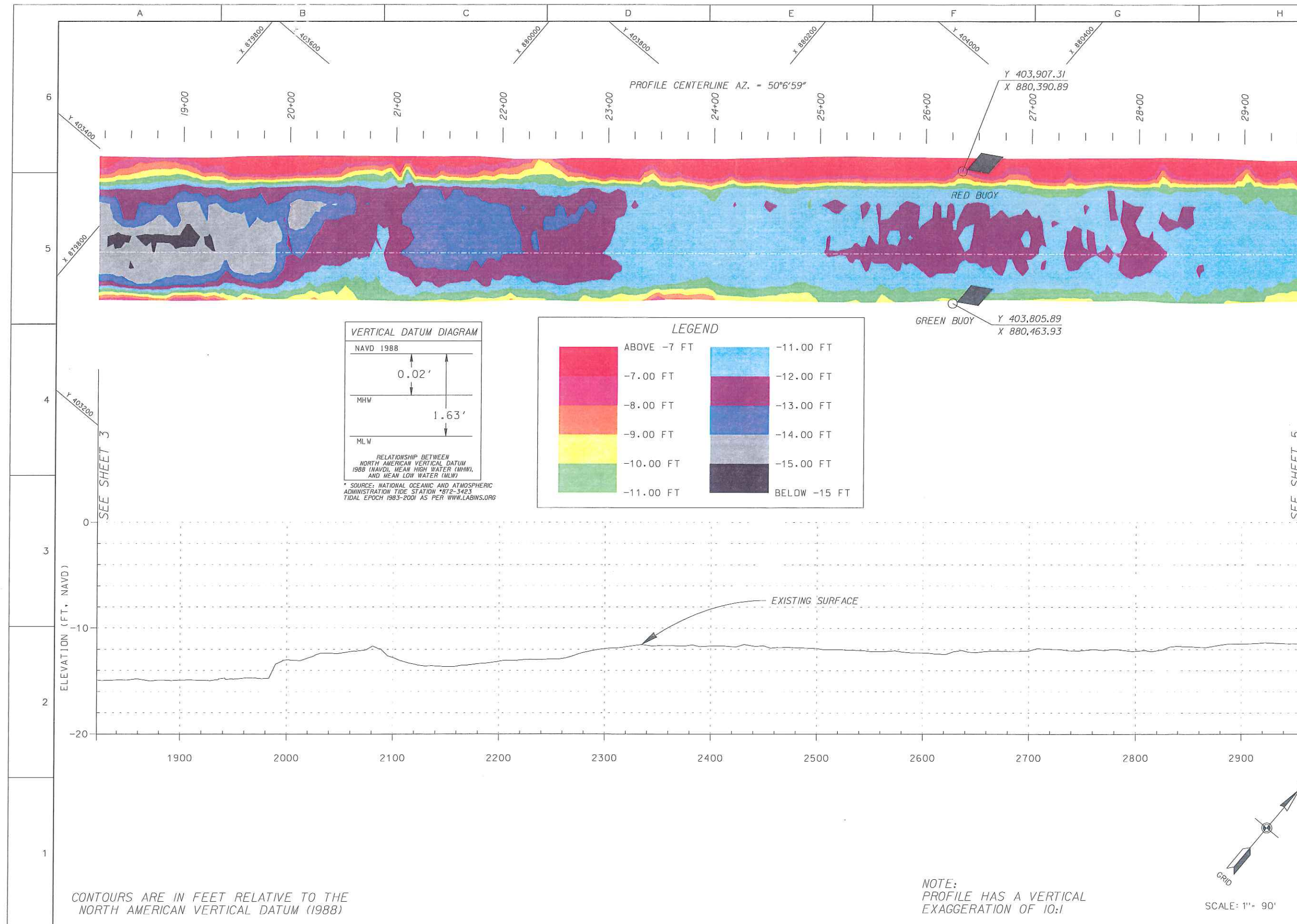


Revisions <table border="1"> <tr> <th>No.</th> <th>Date</th> <th>Description</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		No.	Date	Description												
No.	Date	Description														
Project TURKEY POINT POWER PLANT HYDROGRAPHIC SURVEY HONESTAD, MIAMI-DADE COUNTY, FLORIDA	Sheet Title PLAN VIEW/PROFILE															
Prepared for: COASTAL TUG AND BARGE 1020 Port Boulevard, Suite 2 Miami, Florida 33132	Certification: SEA DIVERSIFIED, INC. Surveying and Engineering Applications Tel: (561) 243-4920 Fax: (561) 243-4957 U.S. Executive Centre 1200 NW 17th Avenue, Suite 3 Delray Beach, Florida 33445															
Date: 03-05-08 Drawn by: M.B. Checked by: K.C.J. Scale: Sheet:																
2 of 18 Total sheets: CAD ID:																

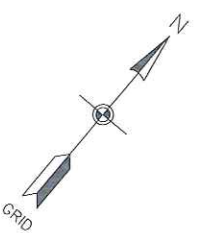


Revisions	
No.	Description

Project	TURKEY POINT POWER PLANT	Sheet Title	PLAN VIEW/PROFILE
	HYDROGRAPHIC SURVEY HOMESTEAD, HAMILTON COUNTY, FLORIDA		
Proposed For	COASTAL TUG AND BARGE	Prepared For	1020 Port Boulevard, Suite 2 Miami, Florida 33132
Certifications	SEA DIVERSIFIED, INC. Surveying and Engineering Applications Tel: (561) 243-4920 Fax: (561) 243-4957 J3 Executive Centre 1200 NW 17th Avenue, Suite 3 Delray Beach, Florida 33445		
			
Date:	03-05-08	3 of 18	
Drawn by:	M.B.	Total sheets: 1	
Checked by:	K.C.A.	CADD: 0	
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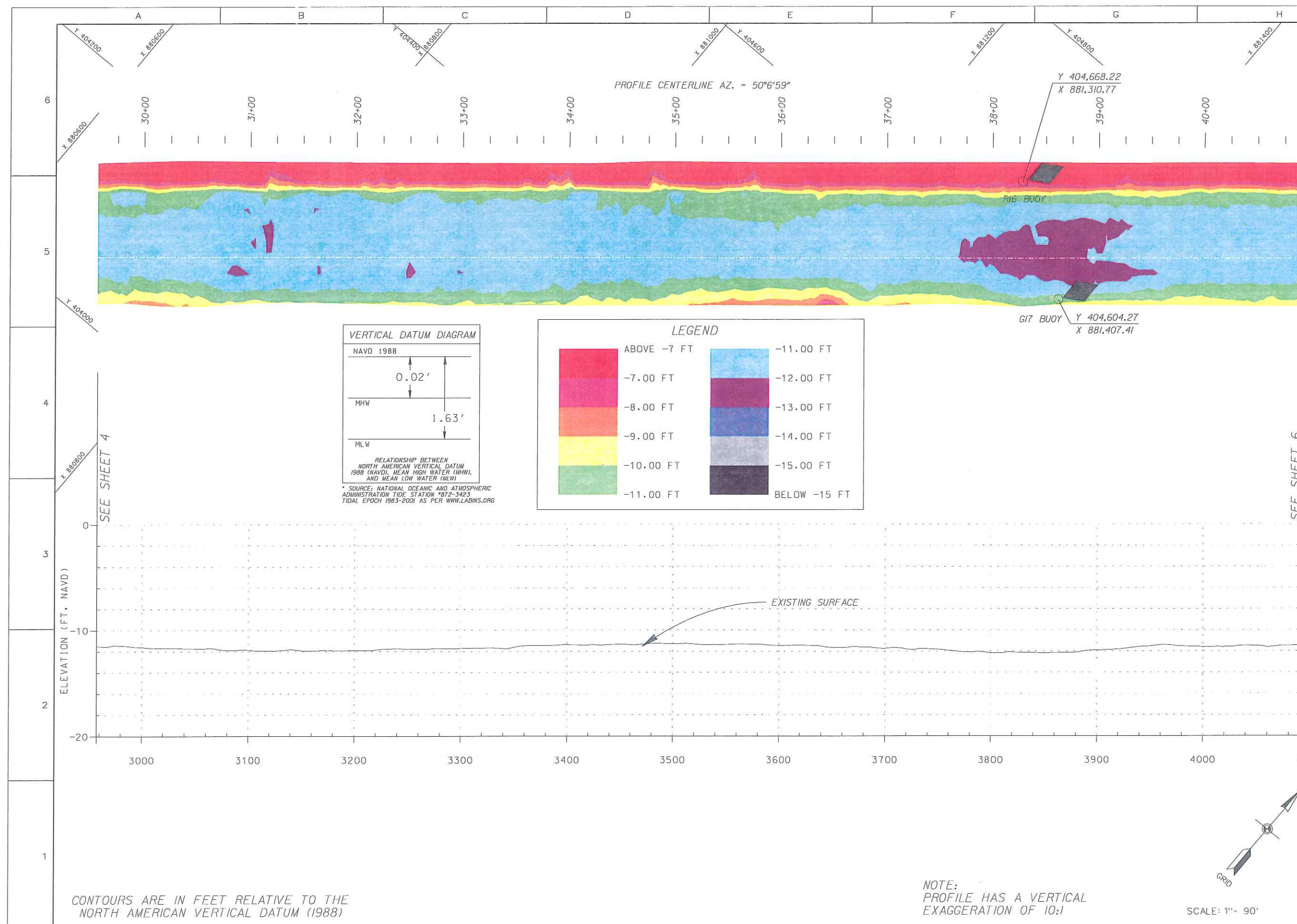


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No.	Date	Description														
Project TURKEY POINT POWER PLANT HYDROGRAPHIC SURVEY HONOLULU, HAWAII COUNTY, FLORIDA	Sheet Title PLAN VIEW/PROFILE															
Prepared for: COASTAL TUG AND BARGE 1020 Port Boulevard, Suite 2 Miami, Florida 33132	Certification: SEA DIVERSIFIED, INC. Surveying and Engineering Applications Tel: (561) 243-4920 Fax: (561) 243-4857 131 Executive Centre, Suite 3 Delray Beach, Florida 33445															
Date: 03-05-08 Drawn by: M.B. Checked by: R.C.A. Scale: Sheet:																
4 of 18 Total sheets: 18 CAD: 01																



NOTE:
 PROFILE HAS A VERTICAL
 EXAGGERATION OF 10:1

SCALE: 1"= 90'



Revisions	
No.	Description

Project	TURKEY POINT POWER PLANT HYDROGRAPHIC SURVEY HONESTAD, MANATEE COUNTY, FLORIDA
Sheet Title	PLAN VIEW/PROFILE

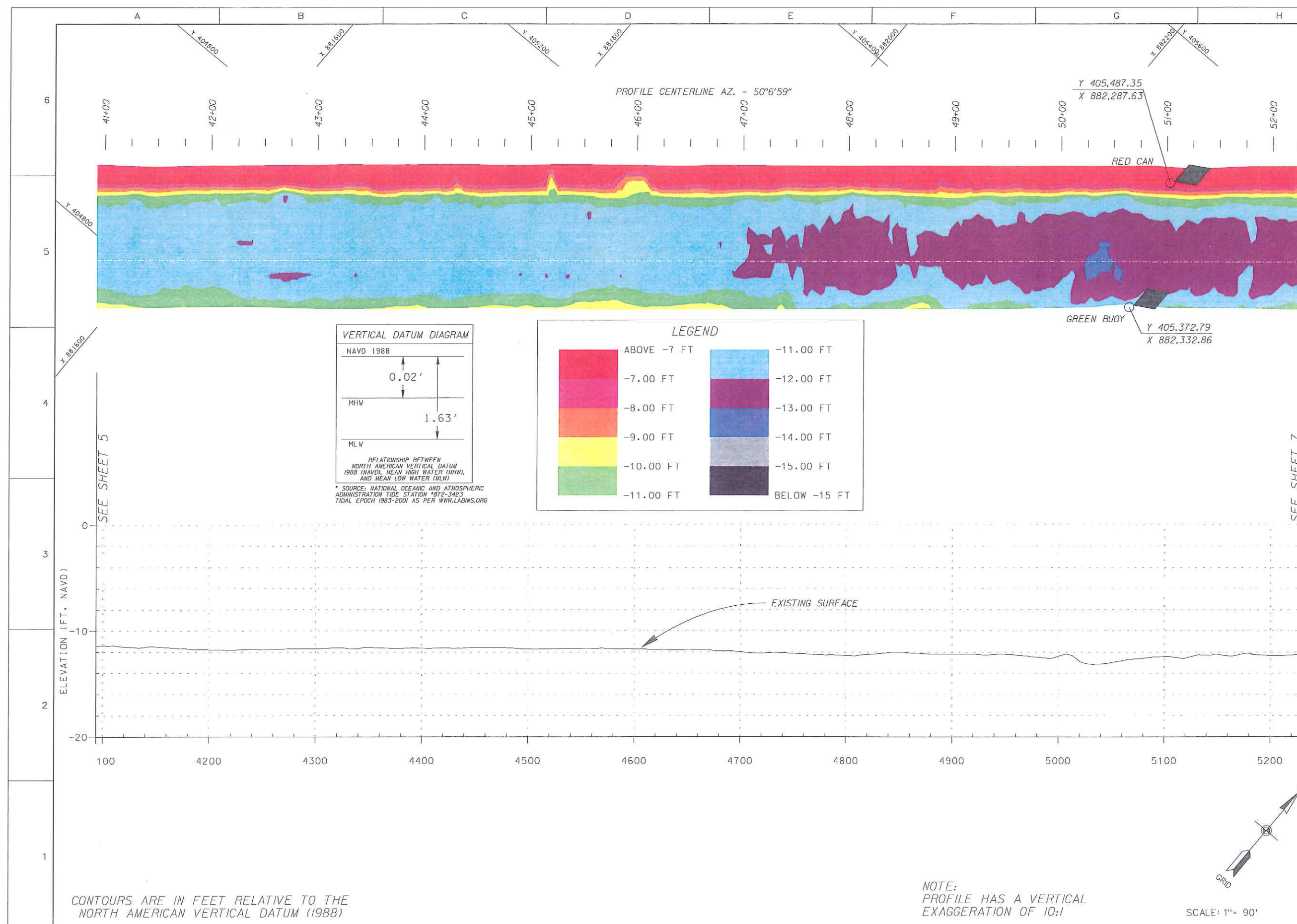
Prepared for	COASTAL TUG AND BARGE 1020 Port Boulevard, Suite 2 Miami, Florida 33132
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Certifications	SEA DIVERSIFIED, INC. Surveying and Engineering Applications Tel: (561) 243-4920 Fax: (561) 243-4957 13 Executive Center, Suite 3 Delray Beach, Florida 33445
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Date	03-05-08
Drawn by	M.B.
Checked by	K.C.J.
Scale	
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5 of 18

Total sheets: 18
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Revisions	
No.	Date

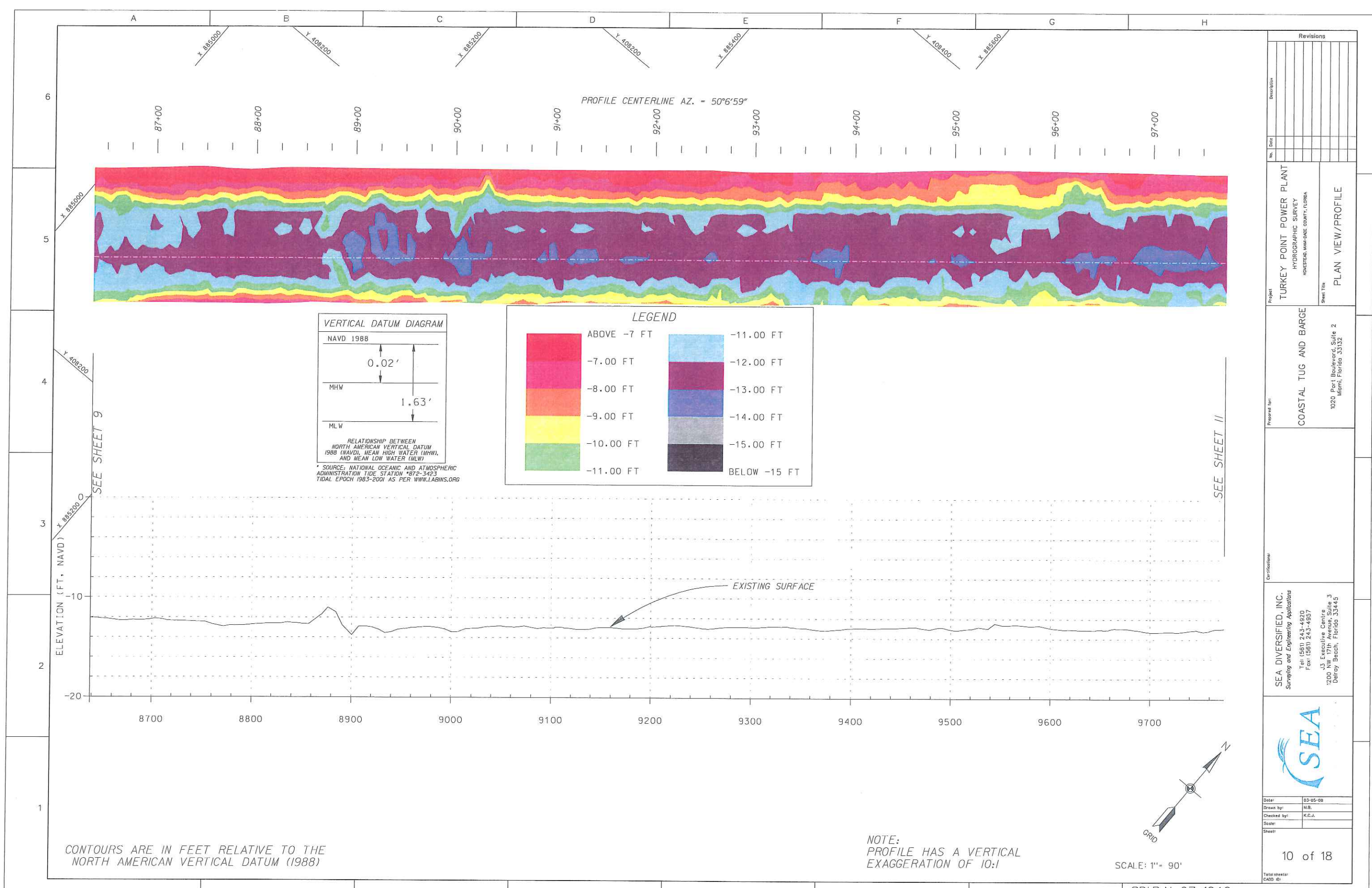
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Sheet Title	PLAN VIEW/PROFILE

Prepared for:	COASTAL TUG AND BARGE 1020 Port Boulevard, Suite 2 Miami, Florida 33132
Certifications	SEA DIVERSIFIED, INC. Surveying and Engineering Applications Tel: (561) 243-4920 Fax: (561) 243-4957 13 Executive Center 1200 NW 17th Street, Suite 3 Delray Beach, Florida 33445

Date:	03-05-08
Drawn by:	M.B.
Checked by:	K.C.J.
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6 of 18

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Revisions	
No.	Date

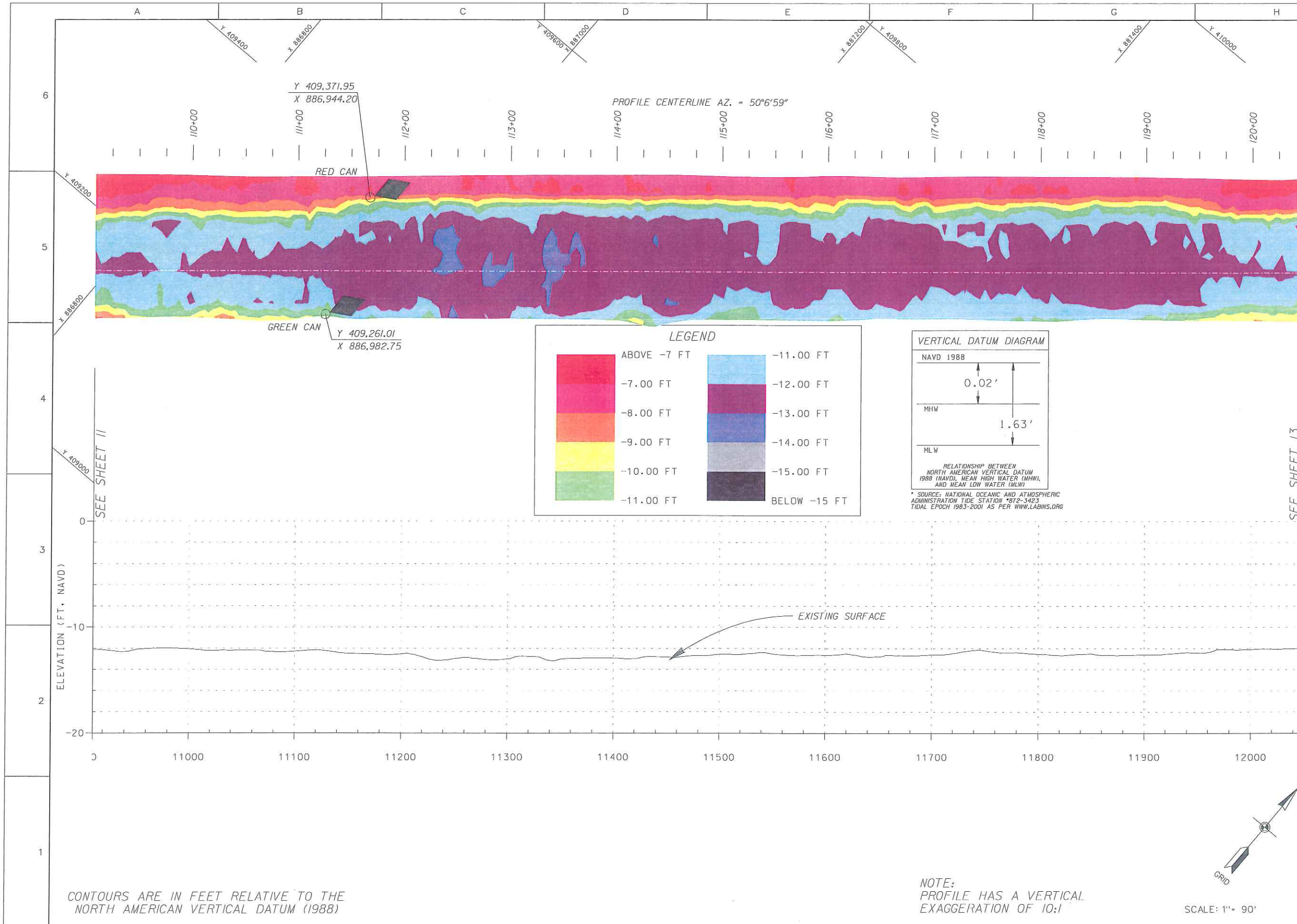
Project	TURKEY POINT POWER PLANT
	HYDROGRAPHIC SURVEY
Sheet Title	PLAN VIEW/PROFILE

Prepared for:	COASTAL TUG AND BARGE
	1020 Port Boulevard, Suite 2 Miami, Florida 33132
Certifications	SEA DIVERSIFIED, INC.
	13 Executive Center, Suite 3 1200 NW 17th Street, Delray Beach, Florida 33445

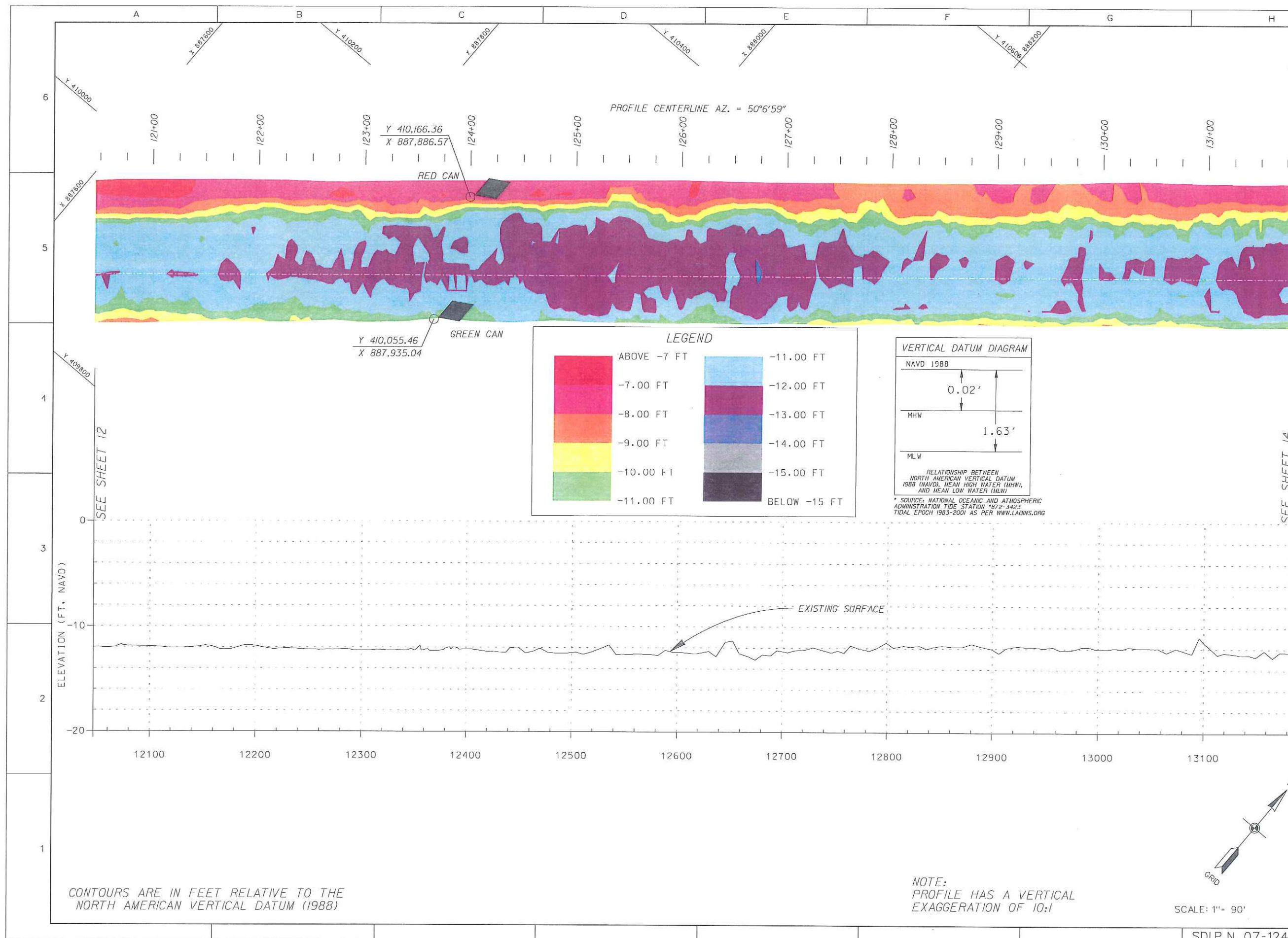
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Sheet:	

10 of 18

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CAD: GJ



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Prepared for: COASTAL TUG AND BARGE 1020 Port Boulevard, Suite 2 Miami, Florida 33132	Certifications: SEA DIVERSIFIED, INC. Surveying and Engineering Applications Tel: (561) 243-4920 Fax: (561) 243-4957 J3 Executive Centre 1200 NW 17th Avenue, Suite 3 Delray Beach, Florida 33445																														
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12 of 18 SDIP.N. 07-1246																															

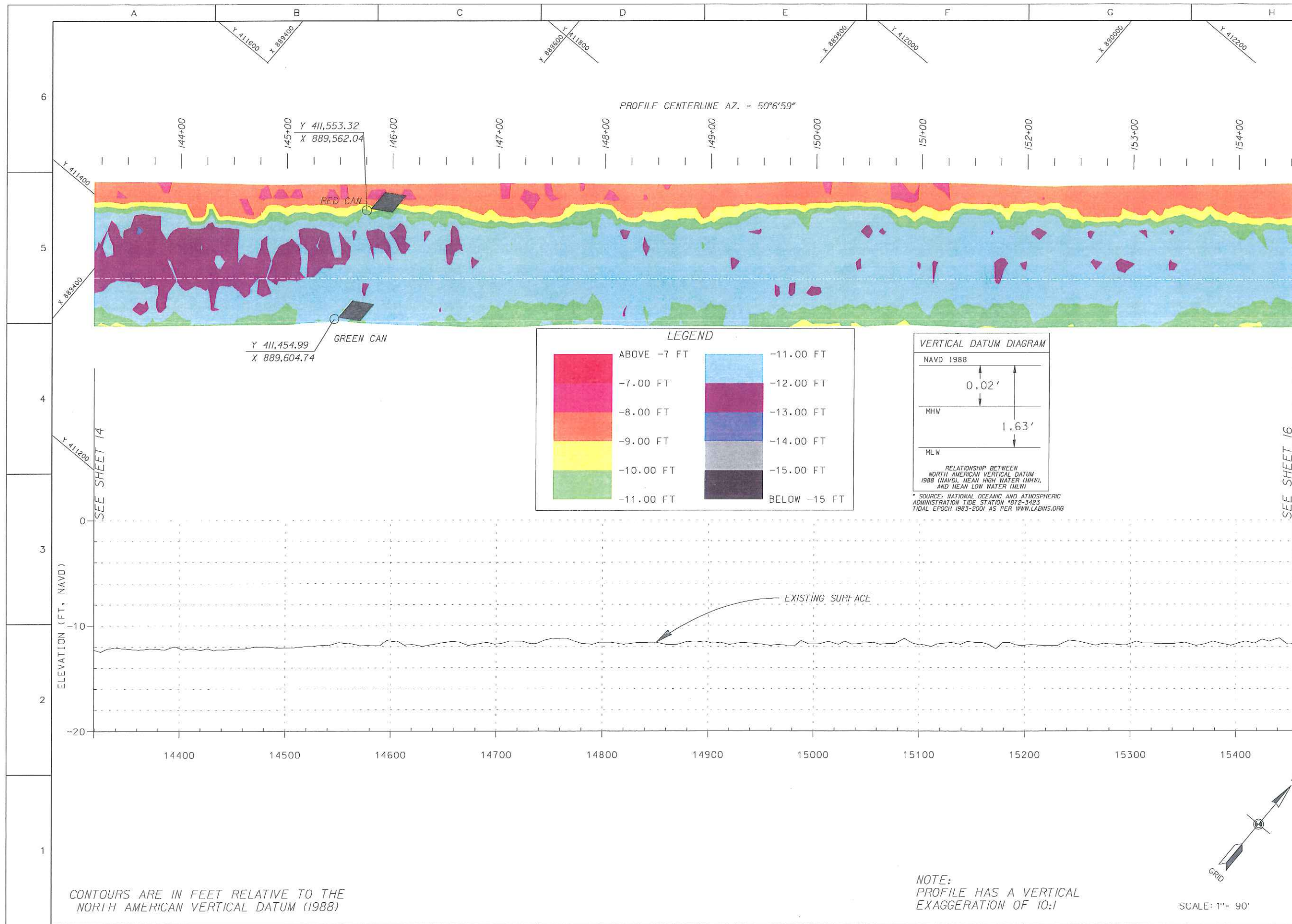


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No.	Description

Project	TURKEY POINT POWER PLANT HYDROGRAPHIC SURVEY HOMESTEAD, HAWAII COUNTY, FLORIDA
Prepared for	COASTAL TUG AND BARGE 1020 Port Boulevard, Suite 2 Miami, Florida 33132
Drawn by	M.B.
Checked by	K.C.A.
Scale	
Sheet	13 of 18

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Surveying and Engineering Applications
Tel: (561) 243-4920
Fax: (561) 243-4957
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Revisions	
No.	Description

Project: TURKEY POINT POWER PLANT
HYDROGRAPHIC SURVEY
HOMESTEAD, MIAMI-DADE COUNTY, FLORIDA

Sheet Title: PLAN VIEW/PROFILE

Prepared for: COASTAL TUG AND BARGE

1020 Port Boulevard, Suite 2
Miami, Florida 33132

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Surveying and Engineering Applications
Tel: (561) 243-4820
Fax: (561) 243-4857
J3 Executive Centre
1200 NW 17th Avenue, Suite 3
Delray Beach, Florida 33445

SEA DIVERSIFIED, INC.

Date: 03-05-08

Drawn by: M.B.

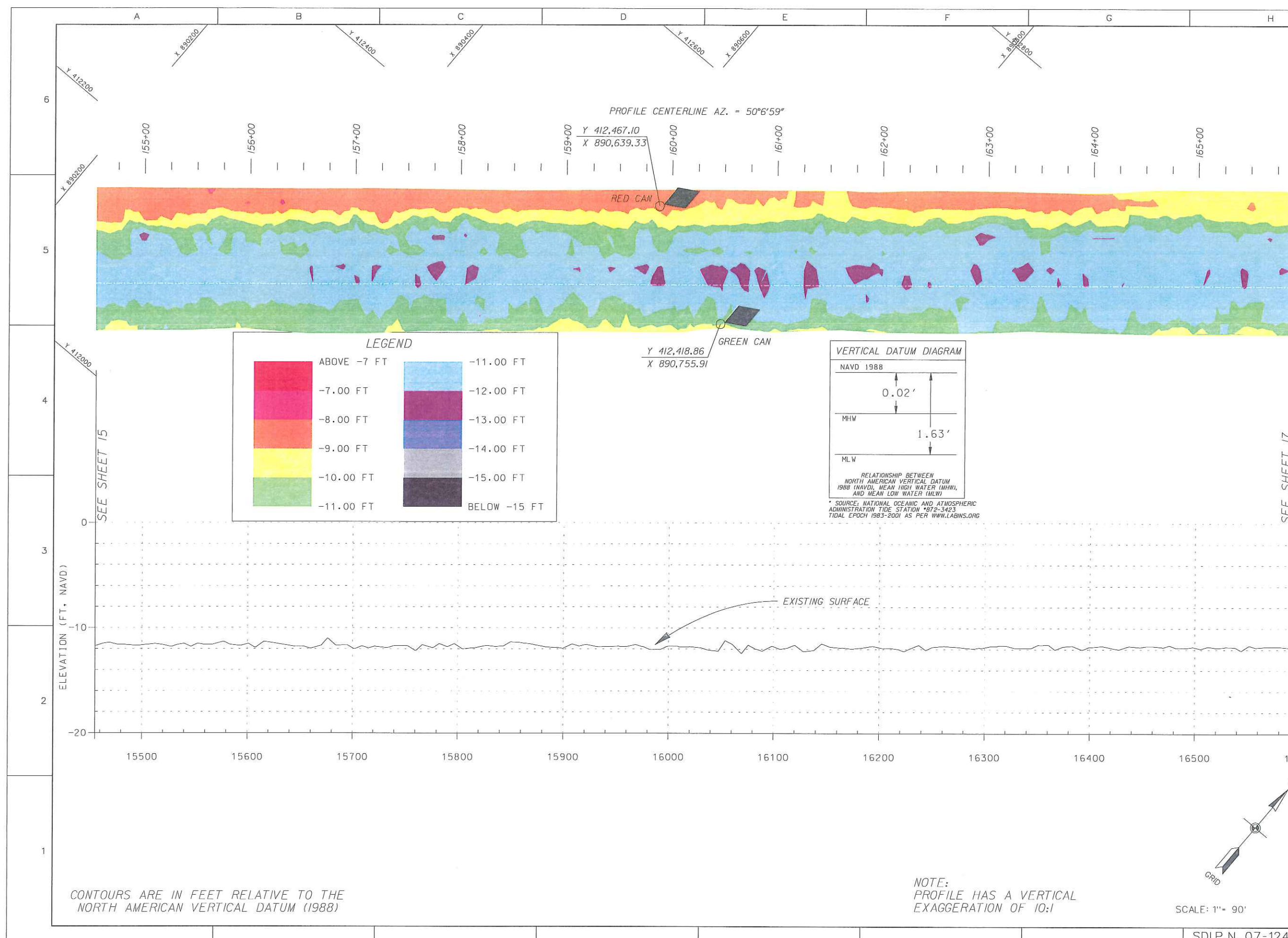
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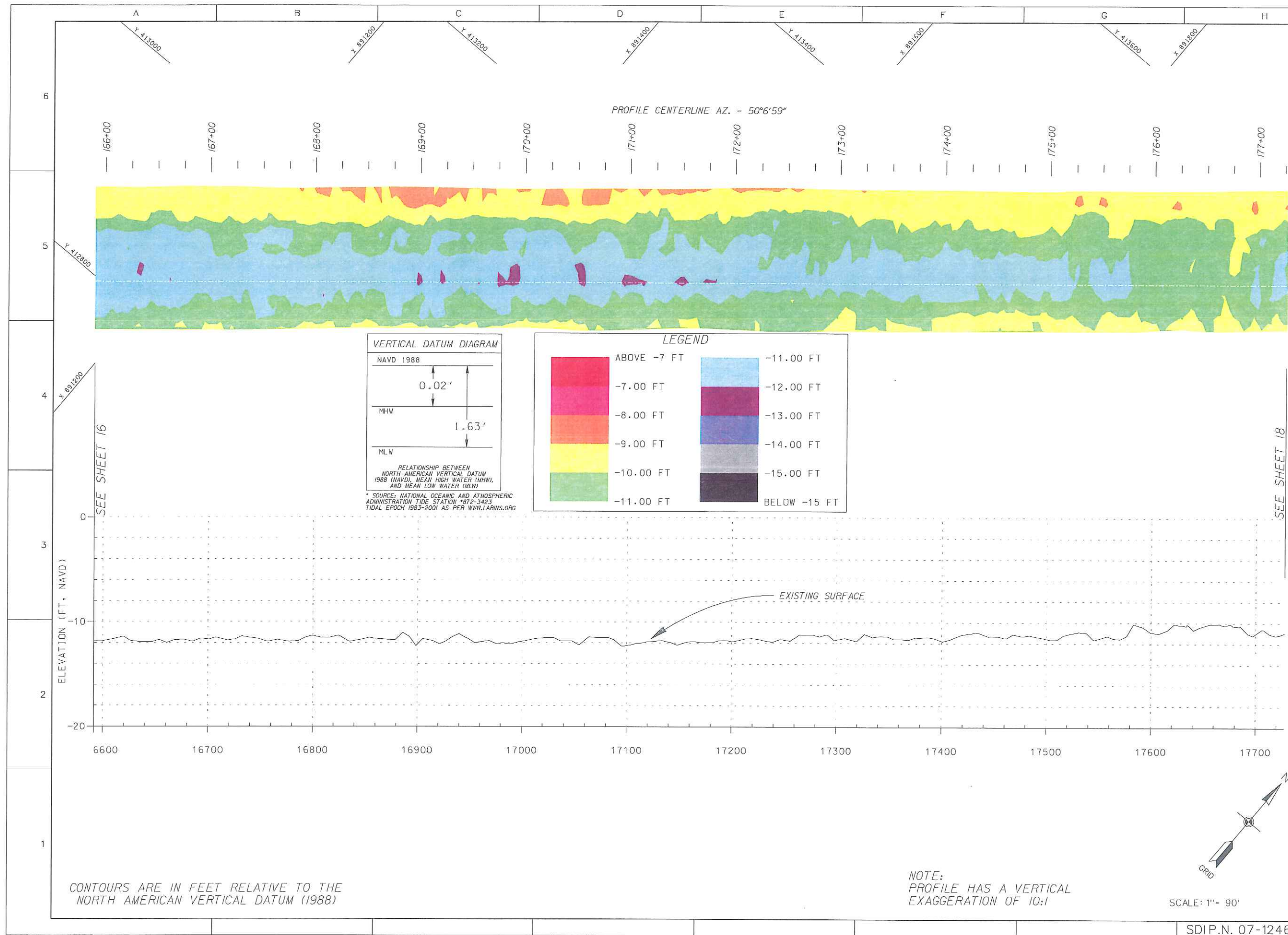
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Project: TURKEY POINT POWER PLANT HYDROGRAPHIC SURVEY HOMESTEAD, MIAMI-DADE COUNTY, FLORIDA		Sheet Title: PLAN VIEW/PROFILE
Prepared for: COASTAL TUG AND BARGE 1020 Port Boulevard, Suite 2 Miami, Florida 33132	Date: 05-05-08 Drawn by: M.B. Checked by: K.C.A. Scale: 1" = 90' Sheet: 16 of 18	
SEA DIVERSIFIED, INC. Surveying and Engineering Applications Tel: (351) 243-4920 Fax: (351) 243-4957 J3 Executive Centre 1200 NW 17th Avenue, Suite 3 Delray Beach, Florida 33445		



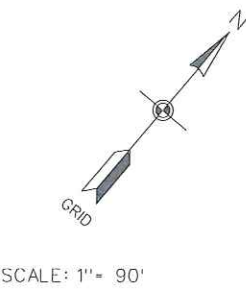
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Sheet Title	PLAN VIEW/PROFILE

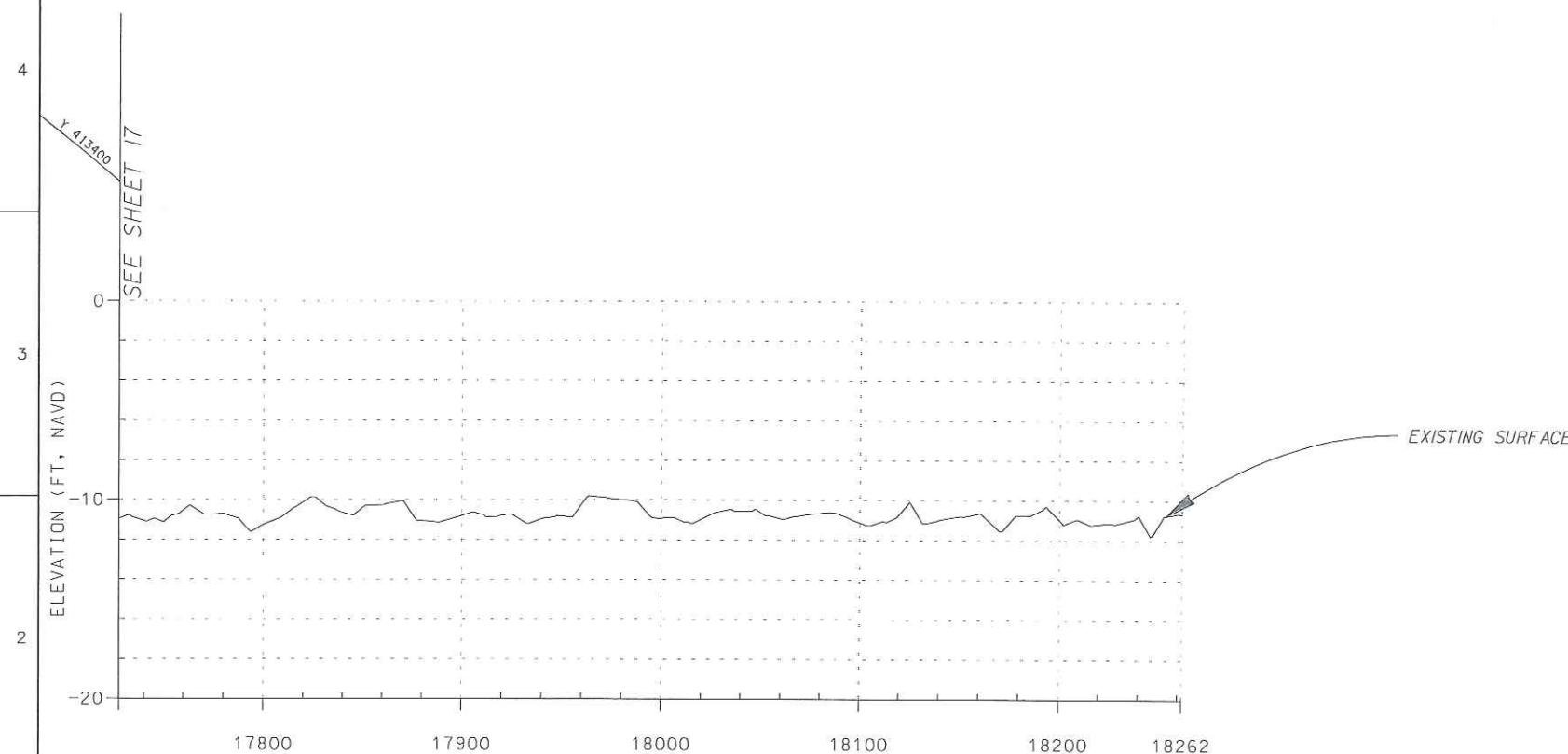
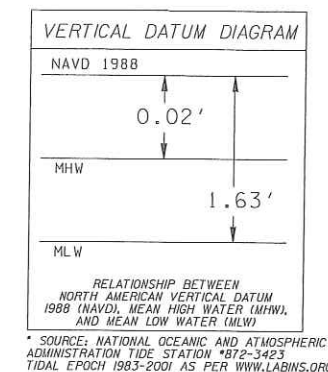
Prepared for	COASTAL TUG AND BARGE 1020 Port Boulevard, Suite 2 Miami, Florida 33132
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Certification	SEA DIVERSIFIED, INC. Surveying and Engineering Applications Tel: (561) 243-4920 Fax: (561) 243-4957 J3 Executive Centre 1200 NW 17th Avenue, Suite 3 Deerfield Beach, Florida 33445
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Date:	03-05-08
Drawn by:	M.B.
Checked by:	K.E.J.
Scale:	
Sheet:	17 of 18



NOTE:
PROFILE HAS A VERTICAL
EXAGGERATION OF 10:1



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