



DEPARTMENT OF THE ARMY  
MOBILE DISTRICT, CORPS OF ENGINEERS  
P.O. BOX 2288  
MOBILE, AL 36628-0001

REPLY TO  
ATTENTION OF

CESAM-RD-C  
PUBLIC NOTICE NO.:SAM-2006-1531-MBM

OCT 22 2007

**JOINT PUBLIC NOTICE  
U.S. ARMY CORPS OF ENGINEERS AND  
ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

**REQUEST FOR REVISIONS TO PERMIT FOR CONSTRUCTION OF NATURAL GAS  
PIPELINES AND PUMPING STATIONS ASSOCIATED WITH DEVELOPMENT OF A  
NATURAL GAS STORAGE FACILITY IN SOUTH MOBILE COUNTY NEAR CODEN,  
ALABAMA**

TO ALL CONCERNED: The U.S. Army Corps of Engineers, Mobile District, (Corps) has received an application for a Department of the Army Permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403) and 404 of the Clean Water Act (33 USC 1344). This public notice is being distributed to all known interested persons to assist in developing facts on which a decision by the Corps can be based. Please communicate this information to interested parties.

**APPLICANT: MoBay Storage Hub, L.L.C.**  
c/o William E. Workman and Associates  
Post Office Box 745  
Lillian, Alabama 36549

**LOCATION: Mississippi Sound north of Dauphin Island to a compressor and metering station near Coden, Mobile County, Alabama.**

**WORK: MoBay Storage Hub L.L.C. (MoBay) requests a modification to their Department of Army (DOA) permit SAM-2006-1531-MBM. This permit authorizes the construction and operation of the MoBay Storage Hub natural gas storage facility in south Mobile County, Alabama. The purpose of the project is to develop and access three underground natural gas storage areas located within the Mississippi Sound. MoBay has prepared the final engineering design and construction plans for all onshore facilities and for the first phase of offshore construction. Certain details of the project, both onshore and offshore, differ from those authorized in the referenced permit. Among other offshore changes, MoBay is requesting DOA authorization to make a second crossing of the Gulf Intracoastal Waterway (GIWW) at MP 7T 0.5 for construction of a distribution pipeline bundle, approximately 4,200 linear feet in length, connecting Tripod 7 to the North Dauphin Island Platform.**

**Similar to the previously authorized crossing requirements, MoBay proposes to bury the three, bundled 8-inch-diameter pipelines to a depth of -26 feet Mean Low Low Water (top of pipe) across the project width of the GIWW and install protective articulating concrete mats over the pipeline spanning the width of the navigation channel.**

**The new location of the observation wells and storage well caissons is provided. The number of structures does not exceed the number originally authorized. MoBay will remove the Northwest Dauphin Island platform, plug and abandon 7 existing wells and 10 associated flowlines, and restore all affected waterbottoms. All work will be done in accordance with the Alabama Oil and Gas Board rules and regulations. MoBay will temporarily install sixteen wood pilings on 200-foot centers over a distance of approximately 2,800 feet at the offshore temporary workspace south of the offshore to onshore horizontal direction drilling area to secure the pipeline until it is pulled through the directional bore.**

**With the completion of the final engineering designs, the permanent wetland impacts associated with the above ground facilities has changed. The wetland impacts associated with construction and operation of above-ground facilities has decreased in forested wetlands by 0.1 acre for the mainline valve station and 0.6 acre for the meter station. The wetland impacts have increased in the prior-converted wet pasture by 4.2 acres for the MoBay compressor station. The applicant proposes to mitigate for the additional wetland impacts by purchasing credits from an approved wetland mitigation bank.**

The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposal on the public interest. That decision will reflect the national concern for both protection and use of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors and their cumulative effects relevant to the proposal will be considered, including conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, property ownership, and in general the needs and welfare of the people.

To evaluate the impacts of this proposal the Corps is soliciting comments from the public; Federal, State and local agencies and officials; Indian Tribes; and other interested parties. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition. Comments will be considered to determine whether to issue, modify, condition or deny a permit. To make this decision, an Environmental Assessment is prepared in accord with the National Environmental Policy Act; impacts are assessed on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are also used to determine the need for a public hearing and to determine the overall public interest. Anyone may request a public hearing to consider this proposal. Requests should provide in writing, within the specified comment period, detailed reasons for a hearing.

CESAM-RD-C-A  
PUBLIC NOTICE NO. SAM-2006-1531-MBM

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. This project will temporarily disturb approximately 0.48-acres (21,000 square feet) of Essential Fish Habitat for managed species in the Gulf of Mexico. Loss of this nursery habitat may adversely affect species of the snapper-grouper, shrimp, and/or coastal migratory pelagic management complexes, but the District Commander has made a preliminary determination that this site-specific adverse effect will not be substantial. Our final determination relative to project impacts to EFH and the need for mitigation measures are subject to review by and coordination with the National Marine Fisheries Service and the Gulf of Mexico Fishery Management Council.

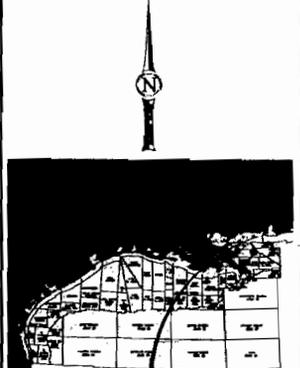
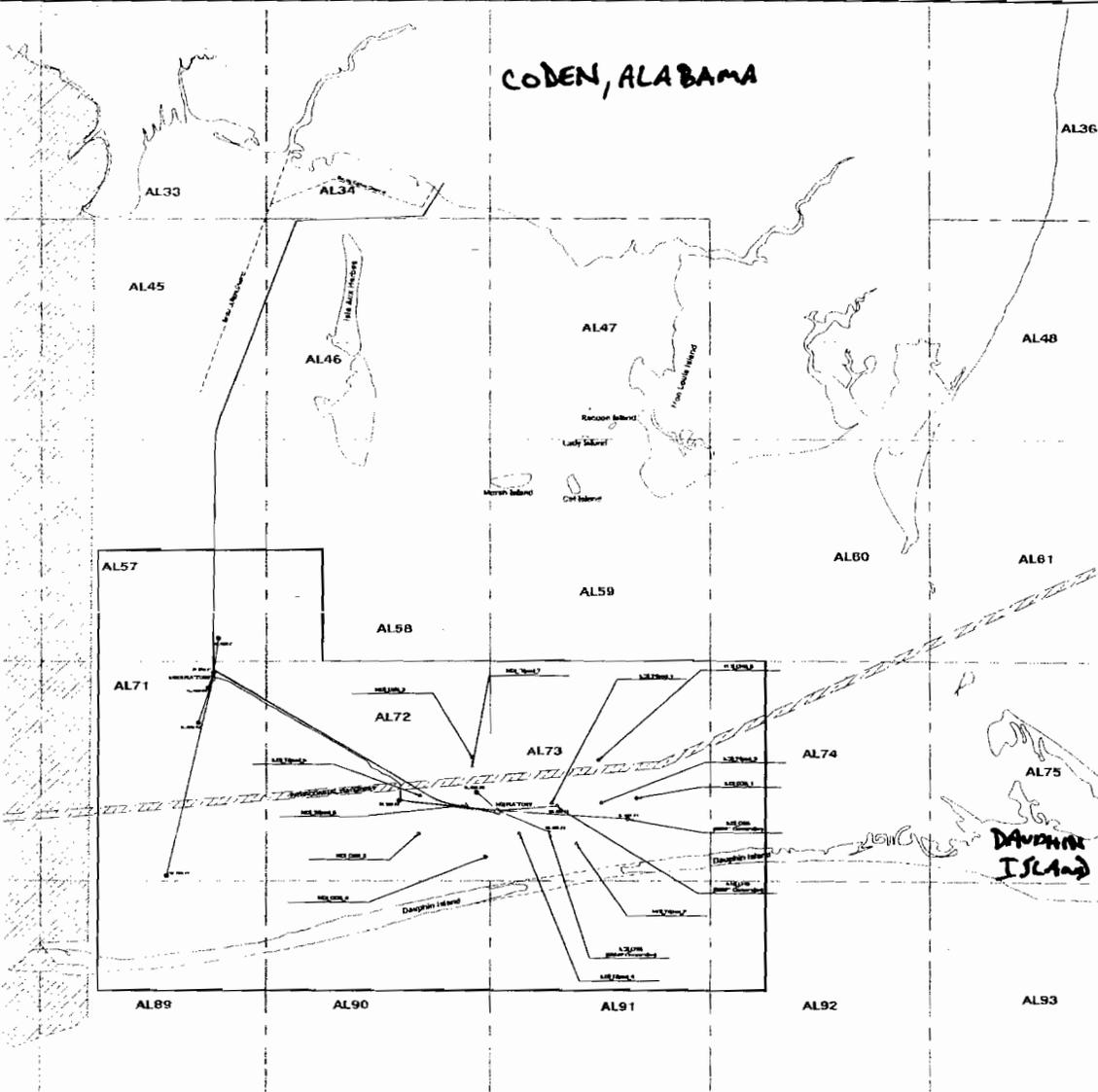
This notice is being sent to appropriate State and Federal agencies, including the State Historic Preservation Officer and the U.S. Department of the Interior, National Park Service, and Division of Archeological Services. No properties listed in or eligible for the National Register of Historic Places is known to exist which would be affected by the proposal. Comments are requested regarding the potential or existence of cultural resources which may be affected. The U.S. Department of the Interior List of Endangered and Threatened Wildlife and Plants indicates that the proposal will not affect listed species, or their critical habitat. Other impacts from dredge and fill activities will be evaluated by applying Environmental Protection Agency guidelines. The National Marine Fisheries Service requires the evaluation of impacts to Essential Fish Habitat of estuarine species. After review of public comments, the Alabama Department of Environmental Management will determine if the proposal complies with and will be operated or maintained in a manner consistent with the Clean Water Act and the Coastal Zone Management Program.

For additional information, please contact this office at telephone number (251) 690-2658. Comments may be provided via e-mail to [Michael.B.Moxey@sam.usace.army.mil](mailto:Michael.B.Moxey@sam.usace.army.mil). Comments should be received no later than 15 days from the date of this Public Notice. Please refer to number **SAM-2006-1531-MBM** and direct your correspondence to the District Commander, U.S. Army Engineer District, Mobile, Post Office Box 2288, Mobile, Alabama 36628-0001, Attention: Regulatory Division; and a copy to the Alabama Department of Environmental Management, Coastal Facility Section, 4171 Commanders Drive, Mobile, Alabama 36615.

Enclosures

MOBILE DISTRICT  
U.S. Army Corps of Engineers

# CODEN, ALABAMA



### WORK LOCATION

### LEGEND

- PROPOSED MOBY ROUTE
- 8 INCH (203 MM) P. COASTAL
- PROPOSED 10 INCH (254 MM) P. COASTAL
- PROPOSED 12 INCH (305 MM) P. COASTAL
- PROPOSED 14 INCH (354 MM) P. COASTAL
- PROPOSED 16 INCH (406 MM) P. COASTAL
- PROPOSED 18 INCH (457 MM) P. COASTAL
- PROPOSED 20 INCH (508 MM) P. COASTAL
- PROPOSED 22 INCH (559 MM) P. COASTAL
- PROPOSED 24 INCH (610 MM) P. COASTAL
- PROPOSED 26 INCH (660 MM) P. COASTAL
- PROPOSED 28 INCH (711 MM) P. COASTAL
- PROPOSED 30 INCH (762 MM) P. COASTAL
- PROPOSED 32 INCH (813 MM) P. COASTAL
- PROPOSED 34 INCH (864 MM) P. COASTAL
- PROPOSED 36 INCH (914 MM) P. COASTAL
- PROPOSED 38 INCH (965 MM) P. COASTAL
- PROPOSED 40 INCH (1016 MM) P. COASTAL
- PROPOSED 42 INCH (1067 MM) P. COASTAL
- PROPOSED 44 INCH (1118 MM) P. COASTAL
- PROPOSED 46 INCH (1168 MM) P. COASTAL
- PROPOSED 48 INCH (1219 MM) P. COASTAL
- PROPOSED 50 INCH (1270 MM) P. COASTAL
- PROPOSED 52 INCH (1321 MM) P. COASTAL
- PROPOSED 54 INCH (1372 MM) P. COASTAL
- PROPOSED 56 INCH (1423 MM) P. COASTAL
- PROPOSED 58 INCH (1473 MM) P. COASTAL
- PROPOSED 60 INCH (1524 MM) P. COASTAL
- PROPOSED 62 INCH (1575 MM) P. COASTAL
- PROPOSED 64 INCH (1626 MM) P. COASTAL
- PROPOSED 66 INCH (1677 MM) P. COASTAL
- PROPOSED 68 INCH (1728 MM) P. COASTAL
- PROPOSED 70 INCH (1778 MM) P. COASTAL
- PROPOSED 72 INCH (1829 MM) P. COASTAL
- PROPOSED 74 INCH (1880 MM) P. COASTAL
- PROPOSED 76 INCH (1931 MM) P. COASTAL
- PROPOSED 78 INCH (1982 MM) P. COASTAL
- PROPOSED 80 INCH (2032 MM) P. COASTAL
- PROPOSED 82 INCH (2083 MM) P. COASTAL
- PROPOSED 84 INCH (2134 MM) P. COASTAL
- PROPOSED 86 INCH (2185 MM) P. COASTAL
- PROPOSED 88 INCH (2236 MM) P. COASTAL
- PROPOSED 90 INCH (2287 MM) P. COASTAL
- PROPOSED 92 INCH (2338 MM) P. COASTAL
- PROPOSED 94 INCH (2389 MM) P. COASTAL
- PROPOSED 96 INCH (2440 MM) P. COASTAL
- PROPOSED 98 INCH (2491 MM) P. COASTAL
- PROPOSED 100 INCH (2542 MM) P. COASTAL

- NOTES**
1. Coordinates are referenced to the North American Datum of 1983, Zone 18N, UTM, and U.S. State Plane.
  2. The location of the proposed facilities is shown on this map. The actual location of the facilities will be determined by the project owner.
  3. The location of the proposed facilities is shown on this map. The actual location of the facilities will be determined by the project owner.
  4. The location of the proposed facilities is shown on this map. The actual location of the facilities will be determined by the project owner.

**APPROVED BY MOBY STORAGE HUB LLC**

This map was prepared by Cochrane Technology for MOBY STORAGE HUB LLC and is intended for use only for the purposes stated herein. It is not to be used for any other purpose without the written consent of Cochrane Technology. The project owner is responsible for the accuracy and completeness of the information provided on this map. Cochrane Technology, Inc. is not responsible for the accuracy or completeness of the information provided on this map.

**MOBY STORAGE HUB LLC**

**PHASE 1-B BASE MAP**  
**OFFSHORE PROJECT-RELATED FACILITIES**

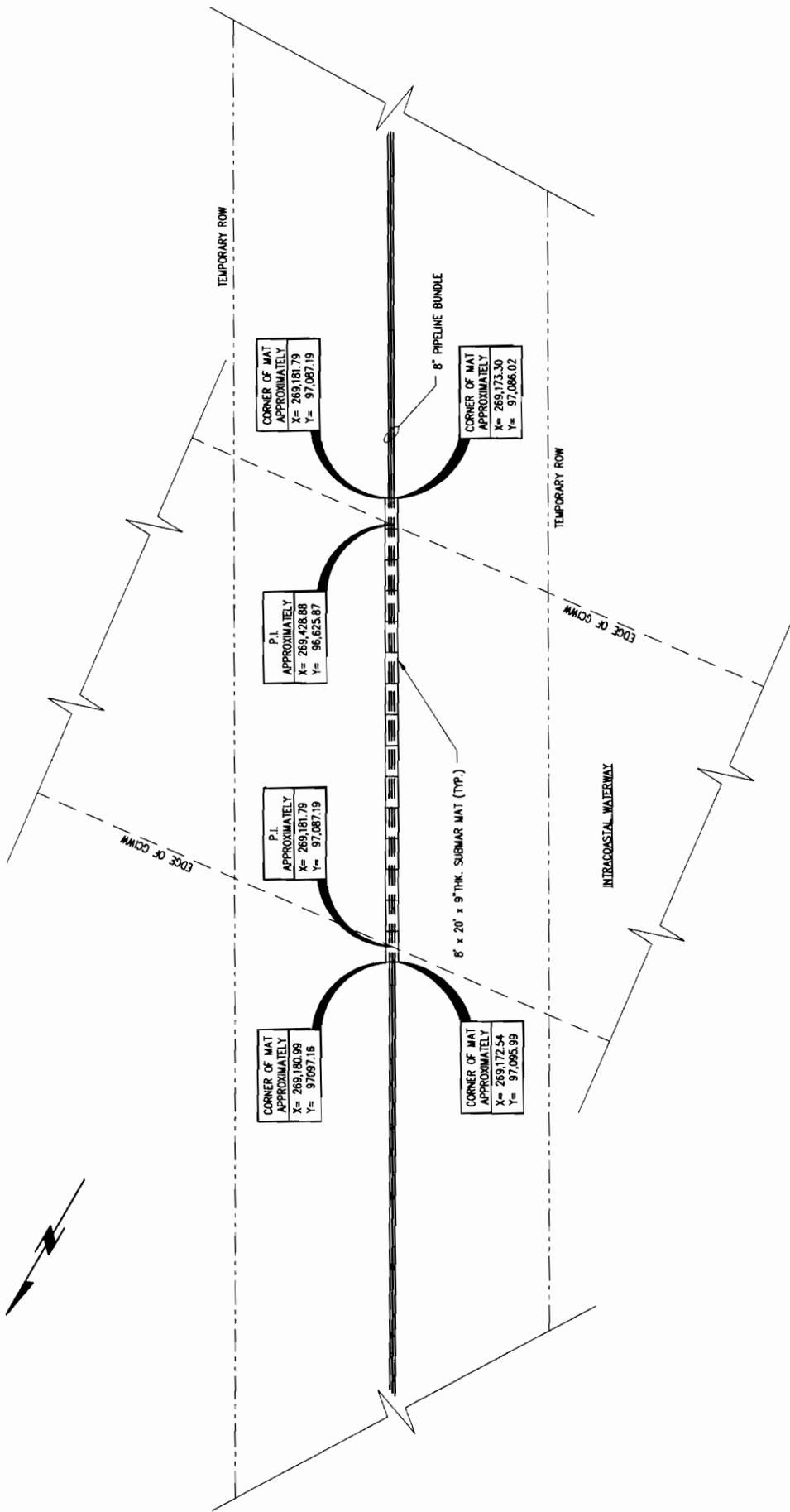
**cochrane**  
 TECHNOLOGY

10000 W. 10th Street, Suite 100  
 Denver, CO 80202  
 Phone: 303.733.1111  
 Fax: 303.733.1112  
 Email: info@cochrane.com

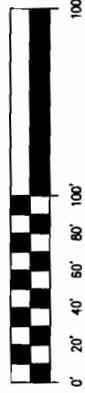


**NOTE**

1. COORDINATES ARE REFERENCED TO THE ALABAMA COORDINATE SYSTEM OF 1927, WEST ZONE. UNITS ARE IN U.S. SURVEY FEET.



BAR SCALE



PLAN



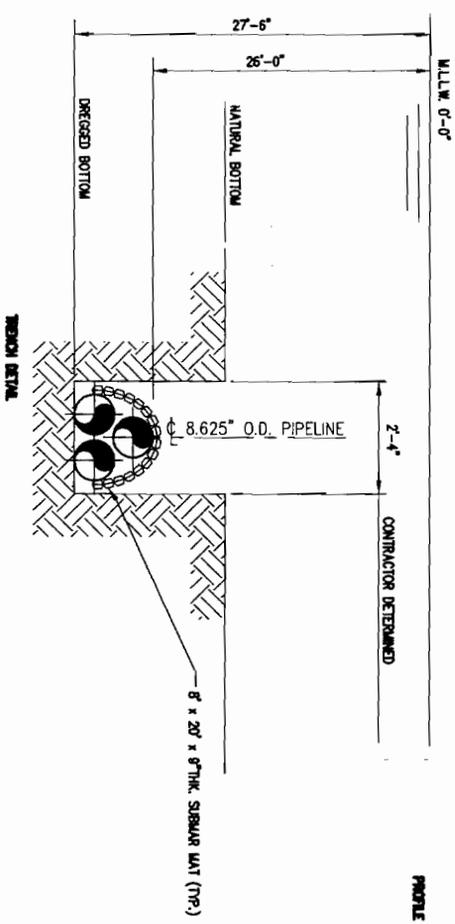
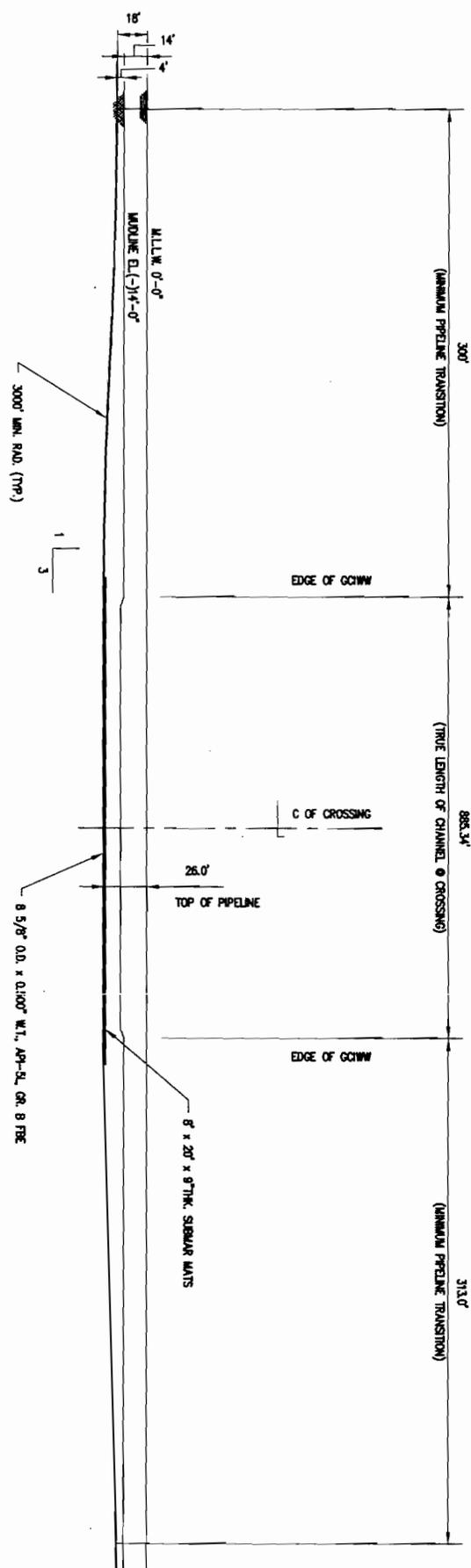
CLIENT: MOBAY STORAGE HUB LLC  
 GIWW CROSSING LAYOUT  
 8" DISTRIBUTION PIPELINE BUNDLE  
 FROM NDJ PLATFORM TO TRIPPOD 7 @ M.P. 17.05  
 BLOCKS 71, 72 & 73  
 MISSISSIPPI SOUND



ECL  
 LUSKETTIE, LA  
 HOUSTON, TX

NO.	DATE	REVISION	BY	APPROVED
1	10/17/07	REVISED SOUTHEAST MAT COORDS, RE-ISSUED TO COE	ITD	LAB
SCALE:	NOTE	ENCLOSURE	DATE:	1-29-07
DRAWN BY:	ITD	ENCL. NO.	CLIENT APPROVAL	
ITEM 7A	DRAWING NUMBER			

**NOTE**  
 1. COORDINATES ARE REFERENCED TO THE ALABAMA COORDINATE SYSTEM OF 1927. WEST ZONE. UNITS ARE IN U.S. SURVEY FEET.



NO.	DATE	REVISION
A	2-7-07	REVISED, RE-ISSUED FOR COE PERMIT APPLICATION

BY APPROVED  
 TTD LAB



CLIENT: MOBAY STORAGE HUB LLC  
 MOBAY STORAGE HUB  
**GIWW CROSSING PROFILE**  
**8" DISTRIBUTION PIPELINE BUNDLE**  
 FROM NO.1 PLATFORM TO TRPOD 7 @ M.P. 17.05  
 BLOCKS 71, 72 & 73

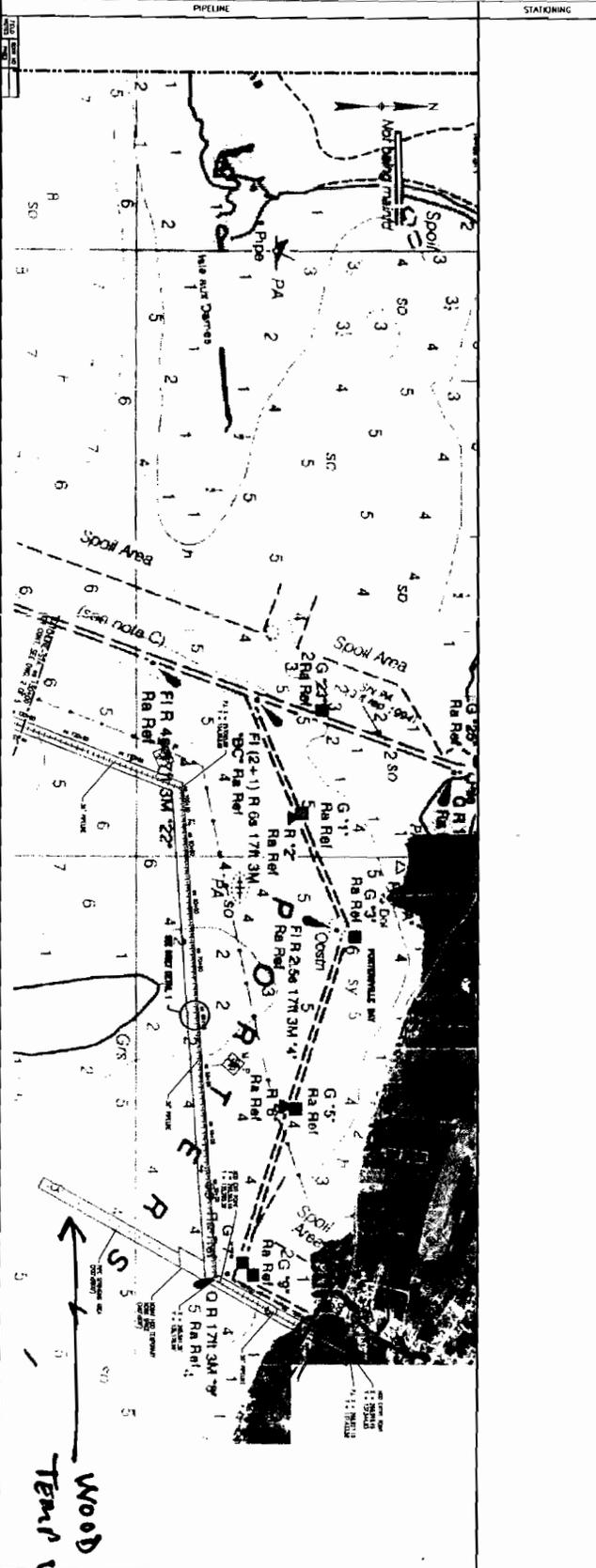
MESSURYS SOUND  
 SCALE: SEE BAR SCALE  
 DATE: 1-28-07

DESIGNED BY: TTD  
 CHECKED BY: TTD  
 CLIENT APPROVAL: [Signature]

ITEM 7B  
 DRAWING NUMBER

COUNTY & STATE		DATE		JOB NO.		SHEET NO.	
MOBILE	ALABAMA	11/15/11	11/15/11	11/15/11	11/15/11	11/15/11	11/15/11
OWNER	PROJECT	DATE	DATE	DATE	DATE	DATE	DATE
MOBILE STORAGE HUB, LLC	MOBILE STORAGE HUB	11/15/11	11/15/11	11/15/11	11/15/11	11/15/11	11/15/11
OFFSHORE CONSTRUCTION PERSON	MOBILE STORAGE HUB, LLC	11/15/11	11/15/11	11/15/11	11/15/11	11/15/11	11/15/11
ALABAMA	MOBILE STORAGE HUB, LLC	11/15/11	11/15/11	11/15/11	11/15/11	11/15/11	11/15/11
FIGURE 2	MOBILE STORAGE HUB, LLC	11/15/11	11/15/11	11/15/11	11/15/11	11/15/11	11/15/11

SECTION 40-T-8-S-R-3-V  
MOBILE COUNTY, ALABAMA



WOOD PILINGs  
Temp Work Space

**PIPE DETAIL**

DATE INSTALLED: \_\_\_\_\_

PIPE CLASSIFICATION: \_\_\_\_\_

CLASSIFICATION: \_\_\_\_\_

CLASSIFICATION TEST PRESSURE (PSI): \_\_\_\_\_

W.A.O.D. (R.S.I.G.): \_\_\_\_\_

PIPE DETAIL: \_\_\_\_\_

MAINTENANCE: \_\_\_\_\_

STA. 0+00 TO 0+100

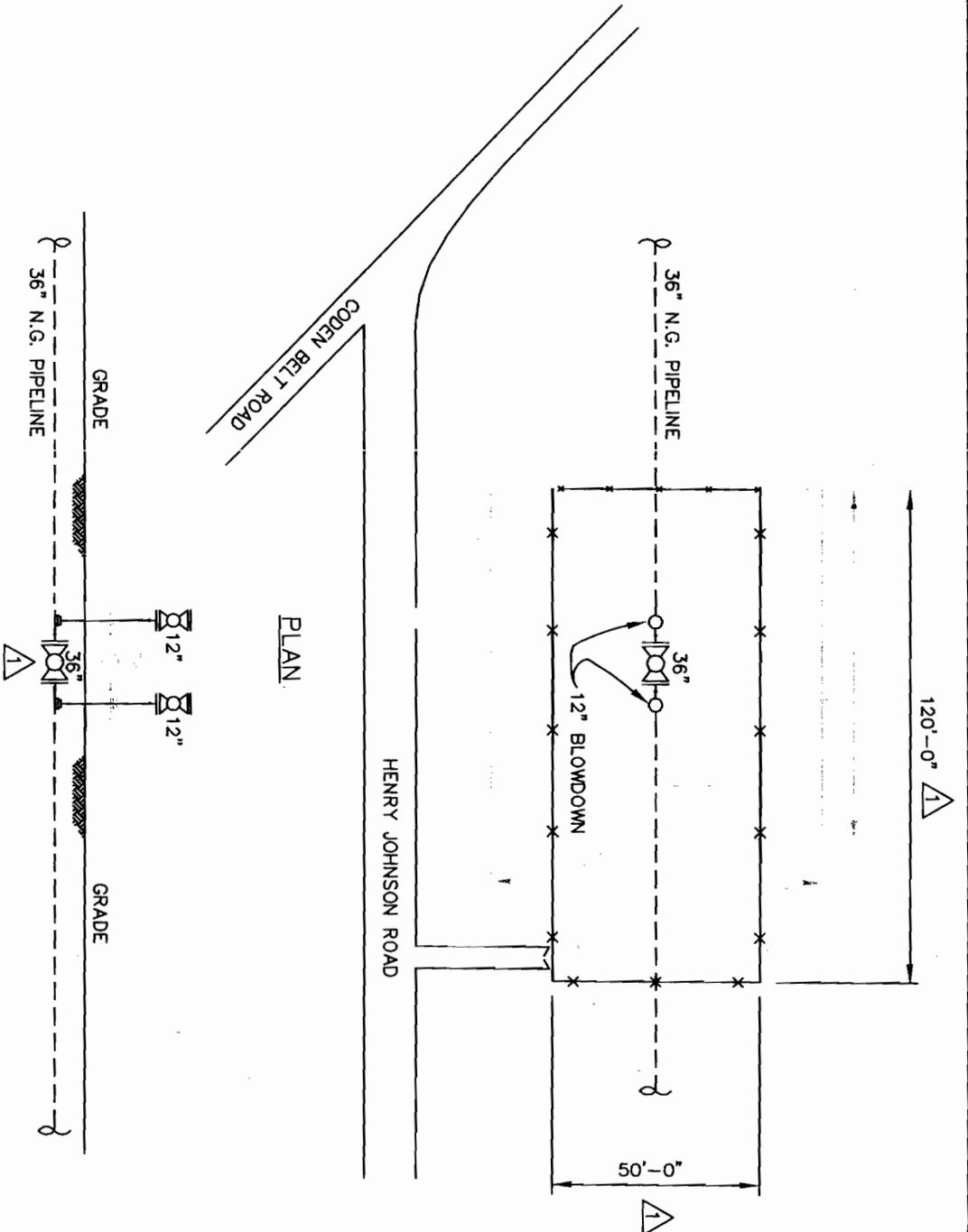
FOR CONT. PRESS. (R.S.I.G.): \_\_\_\_\_

SCALE: \_\_\_\_\_

MOBILE STORAGE HUB, LLC  
OFFSHORE CONSTRUCTION PERSON  
ALABAMA

FIGURE 2





PLAN

PROFILE

—	LEGEND
—	ORIGINAL PERMIT
—	REISSUE CHANGE

BAYDU CODEN VALVE STATION LAYOUT	
FIGURE:	1.232-1
SCALE:	N.T.S.
DRWN/CHK:	HTT/JL
DATE:	6/06
REV:	1

