

JOINT PUBLIC NOTICE

August 11, 2014

U.S. Army Corps of Engineers
New Orleans District
Regulatory Branch
Post Office Box 60267
New Orleans, LA 70160-0267

State of Louisiana
Department of Environmental Quality
Water Quality Certification Section
Post Office Box 4313
Baton Rouge, LA 70821-4313

Project Manager: John C. Price
(504) 862-2272
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DA Permit Number: MVN-2007-01994-WNN

Project Manager: Elizabeth Johnson
(225) 219-3225
WQC Number: WQC 140807-02

SPECIAL PUBLIC NOTICE

CONSIDERATION OF GRANTING A TIME EXTENSION AND MODIFICATION OF THE (GENERAL PERMIT) NOD-13 FOR BOARD ROADS AND RING LEVEES

Interested parties are requested to review the enclosed time extension and modification of the General Permit for dredging and the deposition of dredged and/or fill material for construction of oilfield roads, drilling locations, pits, ring levees, and associated facilities in jurisdictional waters of the U.S., including wetlands, within the boundaries of the New Orleans District.

The General Permit NOD-13 was originally issued on March 22, 1981, and has expired on December 31, 2012. The General Permit has proven to be an effective method to authorize certain projects within the New Orleans District in a timely manner without the need for a public notice and its related costs. Evaluating applications under the general permit procedures for projects that qualify because of their minor impacts allows for better use of personnel resources, yet still allows adequate impact review.

Proposed modifications to the (General Permit) NOD-13 include:

1. Exclusion "j" is added to require written approval of certain parties for any work conducted under the General Permit on lands being used for compensatory mitigation purposes.
2. Condition "d.3" is changed to reflect the current Corps regulation and policy regarding compensatory mitigation.
3. Former condition "e" regarding prohibition of work in proximity to previously authorized facilities is removed.
4. Condition "t" is changed to include control of invasive species on restored areas.
5. Condition "y" is added to point out that all restored sites remain subject to Corps' jurisdiction.
6. Condition "z" is added to require additional consultation with this office if additional facilities, including flowlines/pipelines, are required.
7. Condition "dd" is added to indicate that individual approvals under the General Permit allow 5 years to complete the project.

Application has also been made to the Louisiana Department of Environmental Quality for a Water Quality Certification (WQC) in accordance with statutory authority contained in La. R.S. 30:2074(A)(3) and provisions of Section 401 of the Clean Water Act (P.L. 95-217; 33 U.S.C. 1341).

Specific legislation requiring Department of the Army permits for work of this nature are: Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 U.S.C. 403); and/or Section 404 of the Clean Water Act (86 Stat. 816; 33 U.S.C. 1344).

The comment period for the Department of the Army (DA) permit and the Louisiana Department of Environmental Quality WQC will close **20 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to granting a time extension and modification, stating reasons thereof, are being solicited from anyone having interest in this DA permit and WQC request and must be mailed, so as to be received before or by the last day of the comment period. Letters concerning the DA permit application must reference the applicant's name and the DA Permit Number, and be mailed to the U.S. Army Corps of Engineers at the address above. Similar letters concerning the WQC must reference the applicant's name and the WQC Number and be mailed to the Louisiana Department of Environmental Quality at the address above. Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Project Manager listed above. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.

The time extension and modification request is on file with the Louisiana Department of Environmental Quality and may be examined weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

Corps of Engineers Permit Criteria

The decision whether to grant a time extension and modification will be based on an evaluation of the probable impacts, 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 proposal 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 these being: conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, 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, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army 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 U.S. Army Corps of Engineers to determine whether to make, 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 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 proposed activity.

The possibility exists that work conducted under this General Permit may damage or destroy presently unknown archeological, scientific, prehistoric, or historical sites or data. Issuance of this public notice solicits input from the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

Authorization would not be granted under this General Permit for proposed work that would affect any species listed as endangered by the U.S. Departments of Interior or Commerce, or affect any habitat designated as critical to the survival and recovery of any endangered species.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Our initial determination is that actions authorized under the General Permit would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If work proposed under this General Permit involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the U.S. Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Louisiana Department of Environmental Quality before a permit is issued.

Applicants proposing to conduct work under this General Permit must certify that the proposed work complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program.

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 public hearings shall state, with particularity, the reasons for holding a public hearing.

You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

Darrell S. Barbara
Chief, Western Evaluation Section
Regulatory Branch

Enclosure



REPLY TO
ATTENTION OF

Operations Division
Regulatory Branch

DEPARTMENT OF THE ARMY
NEW ORLEANS DISTRICT, CORPS OF ENGINEERS
P.O. BOX 60267
NEW ORLEANS, LOUISIANA 70160-0267

DEPARTMENT OF THE ARMY GENERAL PERMIT

Authorization No.: (General Permit) NOD-13
MVN-2007-01994-WNN

Original Effective Date: March 22, 1981

Proposed Expiration Date: September 30, 2019

Under authorization granted by applicable sections of Parts 320 through 330 of Title 33, Code of Federal Regulations, and delegated authority from the Commander, U.S. Army Corps of Engineers, the District Engineer at New Orleans has determined that it is in the public interest to issue a general permit for dredging and the deposition of dredged and/or fill material for construction of oilfield roads, drilling locations, pits, ring levees, and associated facilities in jurisdictional waters of the U.S., including wetlands, within the boundaries of the New Orleans District.

Specific legislation requiring Department of the Army permits for work of this nature are:

- a. Section 10 of the Rivers and Harbors Act of March 3, 1899 (33 USC 403), and
- b. Section 404 of the Clean Water Act (33 USC 1344).

This general permit does not authorize work within the following areas:

- a. In or within one mile of the boundaries of any national park or monument, wildlife refuge, management area, state park, and established buffer zone at a national park site without approval of the respective park, refuge, management area, or monument manager.
- b. Within one-half mile of a bald eagle nesting site.
- c. Within one-half mile of a known rookery area.
- d. Within any area where the activity is likely to adversely affect federally listed threatened or endangered species, a species proposed for such designation, or that is likely to destroy or adversely modify the critical habitat of such species.

e. Within one-quarter mile of any mainline flood control or hurricane protection levee constructed and/or maintained with federal funds without prior coordination with, and approval of the New Orleans District and the respective levee board.

f. Within one-quarter mile of a levee or other flood control facilities owned or operated by agencies of state and local government without the written consent of the appropriate agency or governing body.

g. In or within 500 feet of any designated scenic stream.

h. On barrier islands.

i. At or in close proximity to any known historic or archeological site or within the boundaries of a historic district.

j. On any lands used for compensatory mitigation purposes without written approval of: 1) the landowner, 2) party responsible for the mitigation project (Mitigation Bank or ILF program sponsor, or permittee), and 3) the Interagency Review Team responsible for oversight of the mitigation project.

Work authorized by this general permit is subject to the applicable standard conditions of permit form ENG Form 1721. A copy of the form is attached to this general permit as enclosure 1. A copy of a typical board road and ring levee drawing is attached as enclosure 2.

The following special conditions are made a part of this permit:

a. The maximum length of board roads within wetlands, including appurtenant wings and/or pull-overs, authorized by this permit is 1,500 feet. Normally, the maximum top width of roads would be 20 feet, maximum berm width would be 15 feet, and the maximum top width of staggered borrow areas would be 20 feet.

b. Work authorized by this permit must follow the shortest, most direct route through wetlands unless acceptable reasons for deviations are provided. Legitimate reasons for deviating include, but are not limited to, avoiding cultural resources sites, ponds utilized by waterfowl, shellfish or mollusk producing ponds, and property on which right-of-way cannot be obtained.

c. Authorized work must follow existing access roads, pipelines, powerlines, and similar disturbed areas to the maximum extent practicable.

d. Applications for work to be performed under authority of this general permit must include the following:

(1) A completed application form (ENG Form 4345), and drawings clearly showing the location, character, and extent of the proposed work (see enclosure 2).

(2) A detailed discussion of alternative drilling sites and alternate routes considered and reasons why an apparently less environmentally damaging alternative was not selected.

(3) A statement describing how impacts to wetlands and other waters of the United States are to be avoided and minimized; and either a statement describing how impacts are to be compensated for or a statement explaining why compensatory mitigation should not be required for the proposed impacts. Proposed compensatory mitigation should be located within the same watershed as the permitted impact, to the extent appropriate and practicable, and follow the preferential hierarchy established in 33 CFR 332.3(b), *i.e.* 1) Mitigation bank credits, 2) Approved in-lieu fee programs, 3) Permittee-responsible mitigation.

(4) Signed statements from the affected landowners establishing that they have no objection to the required restoration as specified by conditions r, t, and v, below, and that they agree not to develop or disturb restoration/mitigation areas without the prior approval of the District Engineer.

e. Fills must utilize non-wetland areas, existing roads, existing dredged material deposits, and similar areas to the maximum extent practicable.

f. To insure compliance with conditions b, c, d, and e, immediately above, drawings submitted with applications for work under this general permit must:

(1) Show all existing roads, waterways, well locations, pipelines, canals, etc., within one mile of the proposed work site.

(2) Provide the authorization under which any existing privately-owned road which connects with a proposed road was constructed. If the authorization number is not known, the approximate date of construction and interest which constructed the road must be provided, if known.

g. Additional conditions may be added to this general permit by the District Engineer if it is found to be in the public interest to do so.

h. This general permit and/or any individual authorizations granted under this permit may be suspended, in whole or part, by the District Engineer if it is found to be in the public interest to do so.

i. If cultural resources are uncovered at a site of work authorized by this general permit, work must be suspended and written notification provided to the State Historic Preservation Officer and to the Regulatory Branch of this office.

j. Work authorized by this general permit may not be performed until the Regulatory Branch of this office has reviewed the material submitted by applicants and notified applicants that the work may proceed.

k. Culverts shall be installed through the road fills in accordance with the following:

(1) Minimum diameter shall be 24 inches.

(2) Maximum distance between culvert installation shall be 500 feet.

(3) Culverts shall be installed at all crossings of small streams, ditches, and sloughs. These culverts shall be of sufficient size so as to convey normal flows and shall be installed so as to approximate pre-project flow conditions and not promote drainage of wetlands.

l. Culvert openings must be maintained to allow for free flow of water. Locations, number, and sizes of culverts must be shown on the drawings.

m. Bridges with clear openings at least 6 feet wide may be used in lieu of culverts.

n. Borrow pits for road fills must be discontinuous. The pits should be staggered with a maximum length of 300 feet. If pits are not staggered, gaps at least 50 feet in length shall be left between the 300-foot long segments of borrow pits. Culverts or bridge openings may not be installed through road fills to connect staggered segments of the borrow pit. Culverts and/or ditches may not be installed to connect sections of discontinuous borrow pit along one side of a road fill.

o. The maximum outside dimensions of ring levees shall not exceed 400 feet, or a total area of 160,000 square feet. See special condition aa.

p. Material for construction of ring levees must be excavated from inside the leveed areas. All pits (e.g., production, sludge, or burn pits) must be located within in the ring levee.

q. Material used for the construction of the roads and ring levees must be free of pollutants, contaminants, toxic materials, trash, and other waste materials.

r. Ring levees shall be degraded by restoring the material with which they were built into the areas from which it was removed, and disturbed areas leveled and restored to as near pre-project conditions as practicable within 30 days after pits have been cleaned.

s. The discharge and/or disposal of drilling muds, cuttings associated with drilling fluids, and produced waters from drilling or production operations must be in compliance with federal and state regulations.

t. Road fills and/or drilling pads in wetlands constructed with native material shall be degraded when the locations which they were installed to serve are abandoned. The material shall be deposited to the extent practicable into the borrow areas from which it was excavated and the area leveled and restored to as near pre-project conditions as practicable. If the road fills and/or drilling pads in wetlands were constructed with hauled-in material, that material shall be removed from the site and hauled to a non-wetland area, with the project site being leveled and restored to as near pre-project conditions as practicable. Restoration must be accomplished within 90 days of abandonment unless the District Engineer has granted additional time in writing because of weather conditions or clearly unusual circumstances. Requests for additional time must be made by the permittee or agent in writing at least 20 days prior to expiration of the 90 day period allowed for restoration. Abandoned sites shall be replanted with appropriate species, depending upon the original habitat type, in the first planting season (December 15 through March 15) following abandonment. Invasive species shall be controlled on all restored areas such that noxious/exotic vegetation stem density comprises no more than 10% of the total stem density of the replanted area.

u. Boards and other extraneous construction material shall be removed from the site prior to commencement of degrading operations. All plastic sheeting shall be removed from areas of the roadway and drill site from which boards are removed.

v. If the well is completed successfully, the permittee shall;

(1) Reduce the well pad to the minimum size necessary for production, and the ring levee and the remaining unnecessary portion of the drill site shall be restored to pre-project conditions within 90 days of well completion and planted with appropriate species, depending upon the original habitat type.

(2) As specified by condition t above, restore the access road and production pad to pre-project conditions within 90 days of cessation of production, and plant the restored areas with appropriate species, depending upon the original habitat type.

w. The District Engineer must be notified of abandonment of wells served by facilities authorized by this general permit within 10 days of abandonment. The notification must be in writing and must include the date of abandonment and the estimated date the restoration work will begin.

x. Further written notification must be given to the District Engineer within 5 days of completion of any restoration work, including a plan view drawing identifying the restored areas, the species planted, and the dates of restoration work.

y. The permittee is made aware that all restored sites are subject to Clean Water Act jurisdiction and Department of the Army permit authority. Therefore, the permittee shall not conduct any excavation or fill activities on the restored sites without notification of, and written authorization from, the New Orleans District.

z. If the project requires any additional structures or facilities not expressly permitted herein, including flowlines/pipelines to transport product from the site, the permittee shall contact this office to determine if an amendment to this authorization will be required.

aa. A geologic review meeting will be required for the following items of work applied for under this general permit:

(1) All board roads within wetlands, regardless of length.

(2) Ring levees within wetlands larger than 300' X 300', or 90,000 square feet.

(3) Ring levees within wetlands with maximum dimensions of 300' X 300' if an existing ring levee exists within the directional drilling radius. The directional drilling radius is the maximum distance from a proposed bottom hole location from which a given well feasibly can be directionally drilled. It is determined by the following formula: $[(\text{proposed total well depth in feet} - \text{surface casing distance in feet} - 1425) \times .57735027] + 375$. If, at the conclusion of the meeting it is determined that it is technically and/or economically infeasible to reduce the dimensions of the board road and/or ring levee, authorization will be granted under this general permit provided the project meets all other terms and conditions of this general permit.

bb. Interests performing work under authority of this general permit must obtain water quality certification from the Louisiana Department of Environmental Quality (DEQ) before any work may be accomplished. Requests for the certification must advise the DEQ that they propose to perform their work under authority of this general permit.

cc. Interests performing work under authority of this general permit within Louisiana's Coastal Zone must obtain a coastal use permit or waiver from the Louisiana Department of Natural Resources, Office of Coastal Management, prior to commencement of work.

dd. Individual approvals granted under this general permit allow 5 years from the date of the approval letter to complete the project.

BY THE AUTHORITY OF THE SECRETARY OF THE ARMY:

Martin S. Mayer
Chief, Regulatory Branch
for
Richard L. Hansen
Colonel, US Army
District Commander

Enclosures

DEPARTMENT OF THE ARMY PERMIT

Permittee:

Permit No. **(General Permit) NOD-13**
MVN-2007-01994-WNN

Issuing Office: New Orleans District

NOTE: ~~The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee.~~ The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description:

Project Location:

Permit Conditions:

General Conditions:

- ~~1. The time limit for completing the work authorized ends on _____, If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least 1 month before the above date is reached.~~
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, ~~although you may make a good faith transfer to a third party in compliance with General Condition 4 below.~~ Should you wish to cease to maintain the authorized activity ~~or should you desire to abandon it without a good faith transfer,~~ you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

~~4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.~~

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. ~~For your convenience, a copy of the certification is attached if it contains such conditions.~~

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).

Section 404 of the Clean Water Act (33 U.S.C. 1344).

~~Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).~~

2. Limits of this authorization.

- a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
- b. This permit does not grant any property rights or exclusive privileges.
- c. This permit does not authorize any injury to the property or rights of others.
- d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

- a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
- b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
- c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
- d. Design or construction deficiencies associated with the permitted work.
- e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

- a. You fail to comply with the terms and conditions of this permit.
- b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).
- c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

~~6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.~~

~~Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.~~

X

(PERMITTEE)

X

(DATE)

~~This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.~~

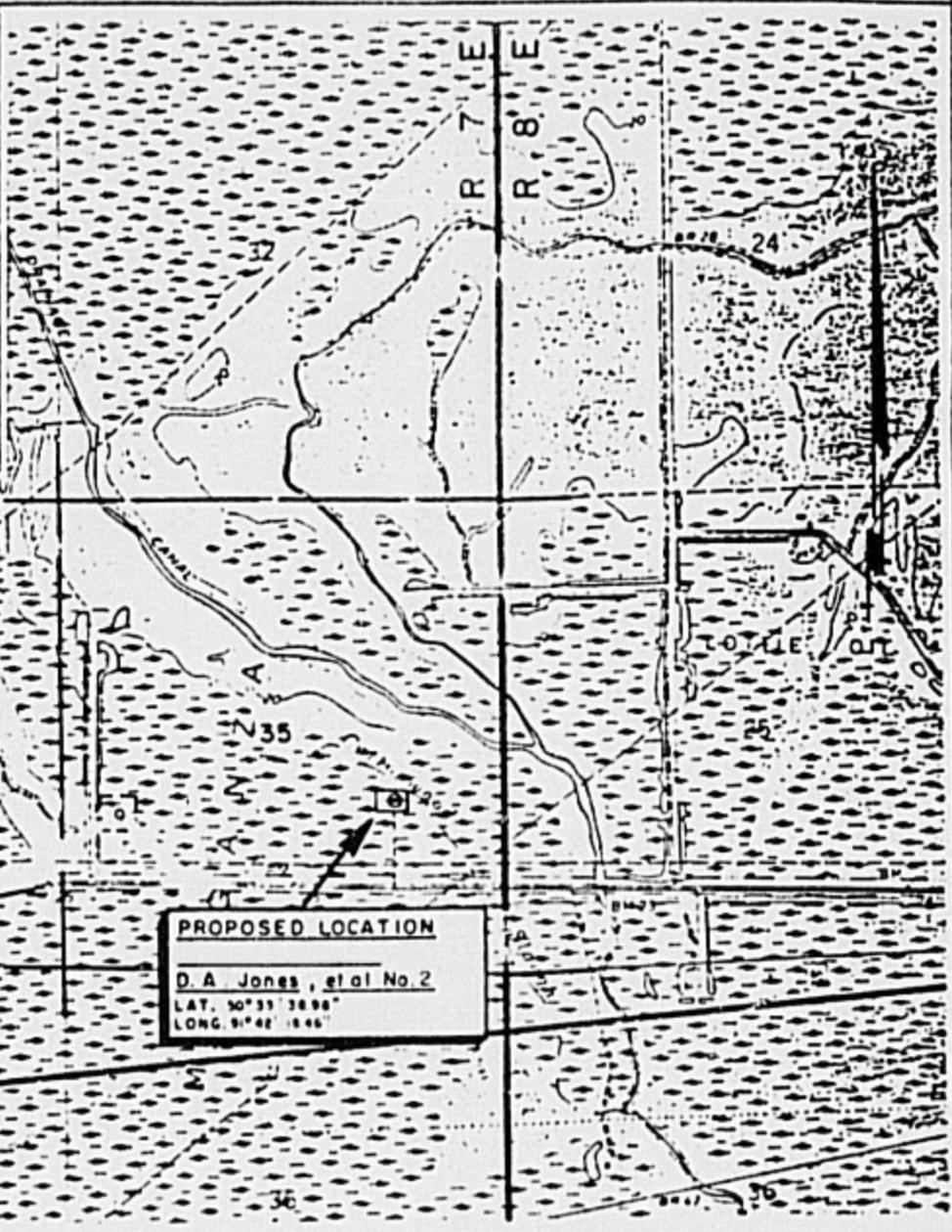
(DISTRICT ENGINEER)

(DATE)

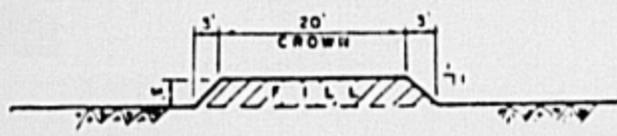
~~When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.~~

(TRANSFEREE)

(DATE)



PROPOSED LOCATION
 D. A. Jones, et al No. 2
 LAT. 30°31' 38.98"
 LONG. 91°42' 18.46"



CROSS SECTION OF ROAD

HORZ. & VERT. SCALE: 0 10 20 FT

LOCATION MAP

REPRODUCED FROM USGS LOTTIE QUADRANGLE

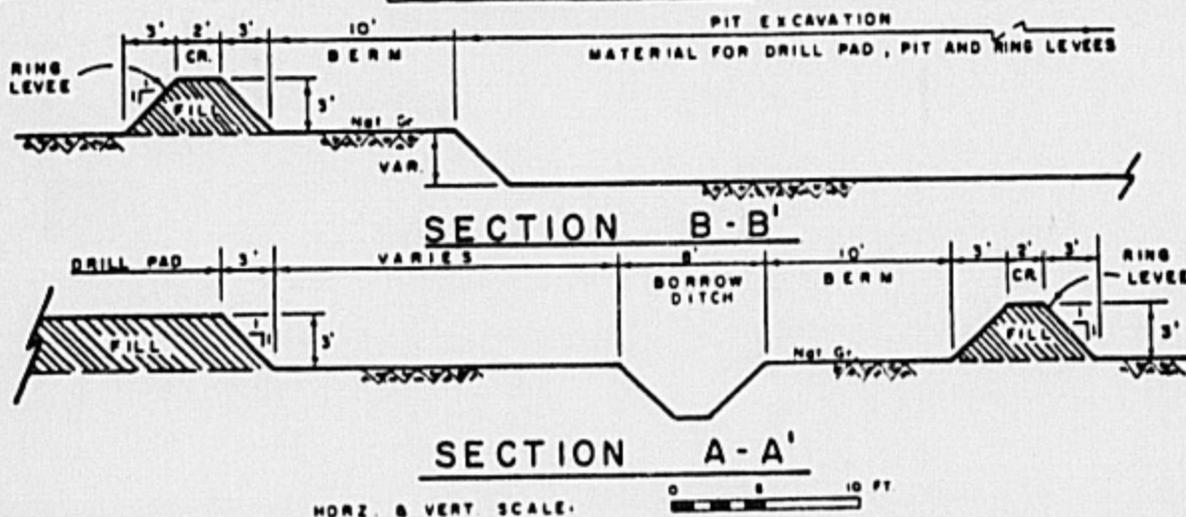
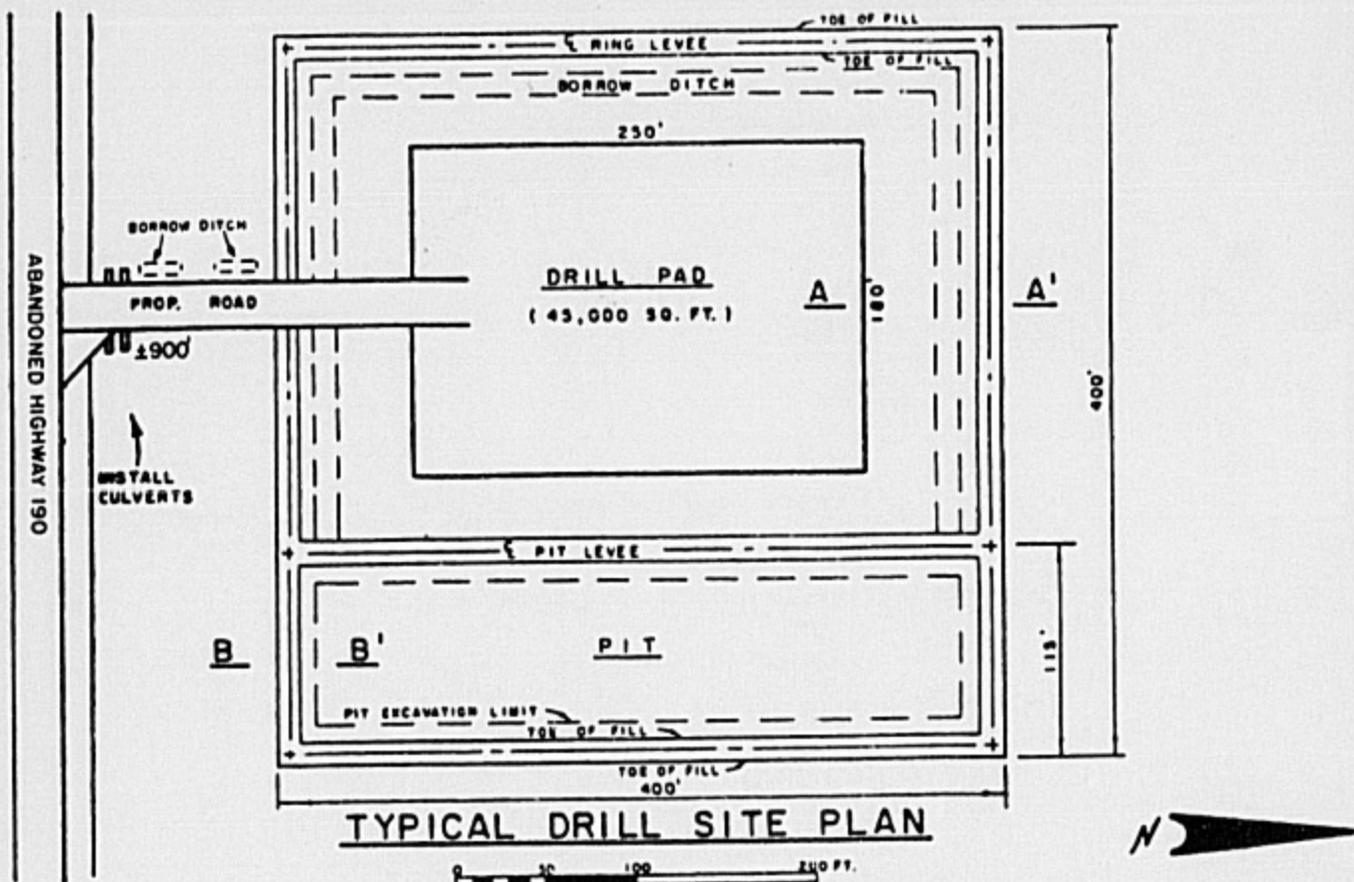
0 2000 4000
 SCALE IN FEET

INSTALL CULVERT AT ALL CROSSINGS OF SMALL STREAMS, DITCHES, AND SLOUGHS. CULVERTS SHALL BE OF SUFFICIENT SIZE SO AS TO CONVEY NORMAL FLOWS AND INSTALLED TO APPROXIMATE PREPROJECT FLOW CONDITIONS AND NOT TO PROMOTE DRAINAGE OF WETLANDS. CULVERTS MUST BE MAINTAINED TO ALLOW FREE WATER FLOW.

APPROX. 2000 CU. YDS OF DREDGING FOR ROAD DUMP TO BE TAKEN FROM BROKEN BORROW DITCH ALONG ROAD DUMP

SHEET 1 OF 2

**PROPOSED DREDGING FOR
 DRILL SITE AND BOARD ROAD
 LOTTIE OIL & GAS FIELD
 POINTE COUPEE PARISH, LOUISIANA**



- 1) MAXIMUM OUTSIDE DIMENSIONS OF LEVEES SHALL NOT EXCEED 400 FEET.
- 2) MATERIALS FOR RING LEVES MUST BE EXCAVATED FROM INSIDE THE LEVEED AREA.
- 3) UPON ABANDONMENT OF LOCATION WETLANDS WILL BE RESTORED AS NEAR TO PREPROJECT CONDITIONS AS PRACTICABLE.
- 4) APPROX. 6,111 CU YDS. OF DREDGING FOR RING LEVEE, DRILL PAD.

SHEET 2 OF 2

PROPOSED DREDGING FOR
DRILL SITE AND BOARD ROAD
LOTTIE OIL & GAS FIELD
 POINTE COUPEE PARISH, LOUISIANA