

# JOINT PUBLIC NOTICE

April 30, 2018

United States Army  
Corps of Engineers  
New Orleans District  
Attn: Regulatory Branch  
7400 Leake Avenue  
New Orleans, Louisiana 70118

State of Louisiana  
Department of Environmental Quality  
Attn: Water Quality Certification Sec.  
Post Office Box 4313  
Baton Rouge, Louisiana 70821-4313

Project Manager: James W. Little, Jr.  
(225) 342-3099 / fax: (225) 342-9439  
James.little@usace.army.mil  
Permit Application Number:  
MVN-2015-00131-WII

Project Manager:  
Elizabeth Hill  
(225) 219-3225 / fax: (225) 219-3156  
WQC Application Number:  
WQC 180426-01

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to: [ **X** ] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [ **X** ] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

The application has also been mailed to the Louisiana Department of Environmental Quality, for a Water Quality Certification (WQC) in accordance with statutory authority contained in Louisiana Revised Statute 30:2074 A(3), and provisions of Section 401 of the Clean Water Act (P.L. 95-17).

## **ACCESS ROAD, WELLPAD AND APPURTENT STRUCTURES TO DRILL A BRINE WELL IN ASSUMPTION PARISH**

**NAME OF APPLICANT:** The Dow Chemical Company, Grand Bayou Operations, c/o URS Corporation, Attn: Mr. Jim Leblanc, 1515 Poydras Street, New Orleans, Louisiana 70112.

**LOCATION OF WORK:** In Assumption Parish, North 30.005, West -91.120556, located south of Louisiana Highway 70, near Grand bayou, Louisiana, as shown on the attached vicinity map.

**CHARACTER OF WORK:** Clear, grade, fill and/or excavate and construct a 66 feet wide by 440 feet long access road and a 332 feet by 382 feet drill pad. Install pipe racks, supports and footings, all to support drilling a brine well. Approximately 31,650 cubic yards of hauled-in sand material and 4,215 cubic yards of crushed stone will be used for the access road and drill pad. Approximately 3.57 acres of jurisdictional wetlands would be impacted by project implementation. The applicant proposes to purchase compensatory mitigation acres at CEMVN approved mitigation banks in the area.

The comment period for the Department of the Army 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 the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be submitted so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be forwarded to

the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH.** Individuals or parties may request an extension of time in which to comment on the proposed work by writing, faxing, or e-mailing the Corps of Engineers 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. Letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during 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 issue a permit 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 those are 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 New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, pre-historical, 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.

Based on the South Louisiana **Standard Local Operating Procedure for Endangered Species (SLOPES)**, as signed on October 22, 2014, between the U.S. Army Corps of Engineers, New Orleans District and the U.S. Fish and Wildlife Service, the proposed project was evaluated under the determination key on 26 April 2018 and it has been determined that the 3.57 acres of wetlands to be filled would result in a "No Effect" for any of the species within the list.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal may result in the destruction or alteration of n/a acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action 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 the proposed work 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 Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Department of Environmental Quality, before a permit is issued.

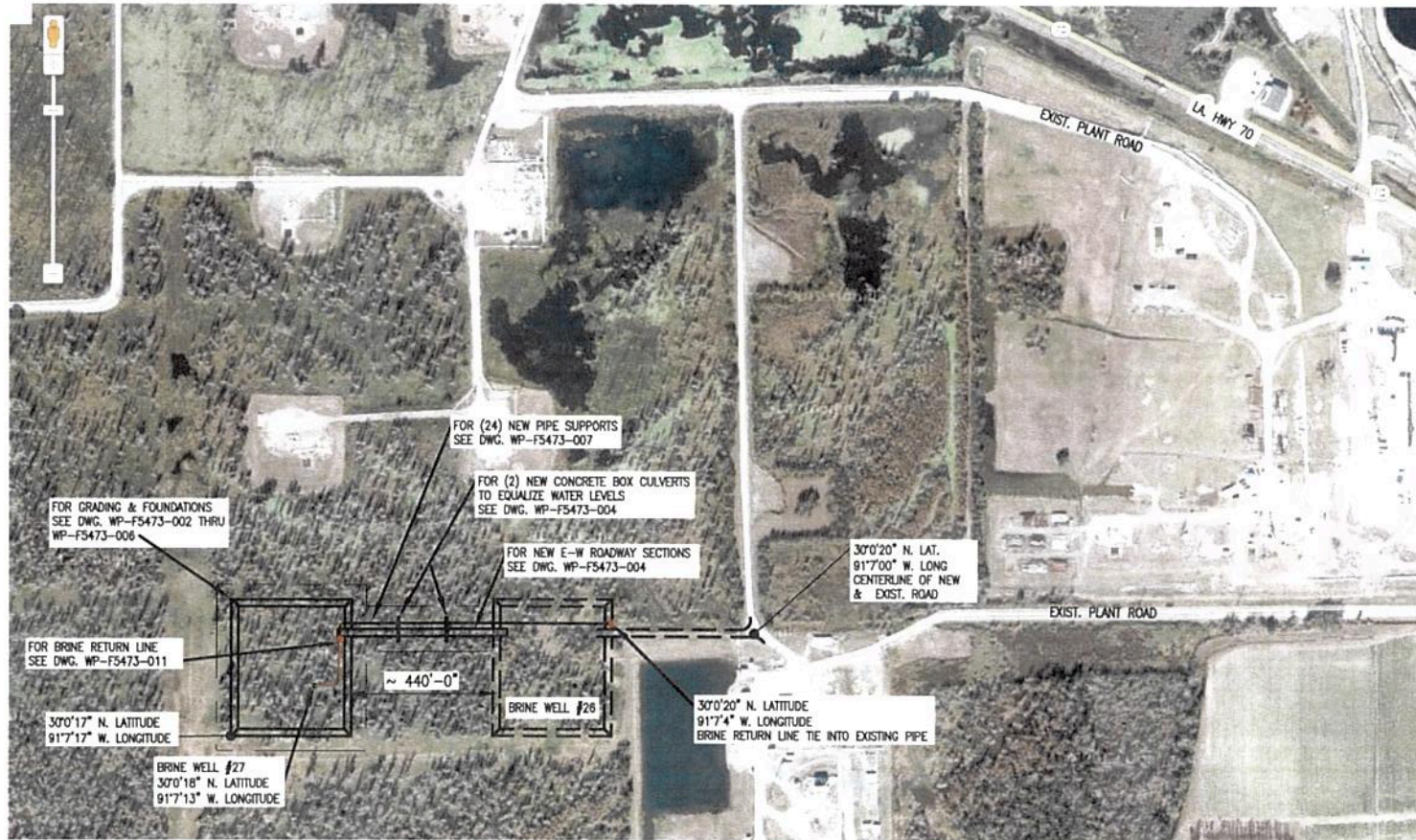
Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

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.

John M. Herman  
Chief, Central Evaluation Section  
Regulatory Branch

Enclosure



## PLOT PLAN

0 500  
Scale in feet

### NOTES:

1. ALL EQUIPMENT & STAGING WORK WILL BE CONTAINED WITHIN THE EXISTING AND PROPOSED ROADS AND LEVEE FOOTPRINT.
2. AS-BUILT DRAWINGS WILL BE SUBMITTED WITHIN 30 DAYS OF COMPLETION OF THIS PROJECT TO THE DEPARTMENT OF NATURAL RESOURCES, OFFICE OF CONSERVATION, PIPELINE DIVISION, P.O. BOX 94275 BATON ROUGE, LOUISIANA 70804, AND TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, COSTAL MANAGEMENT DIVISION, P.O. BOX 44487, BATON ROUGE, LOUISIANA 70804-4487.
3. ALL STRUCTURES, FACILITIES, WELL AND PIPELINES/FLOWLINES OCCURRING IN THE OPEN WATER AREAS OR IN OILFIELD CANALS OR SLIPS SHALL BE REMOVED WITHIN 120 DAYS OF ABANDONMENT OR THE FACILITIES FOR HEREIN PERMITTED USE, UNLESS PRIOR WRITTEN APPROVAL TO LEAVE SUCH STRUCTURES IN PLACE, IS RECEIVED FROM THE COASTAL MANAGEMENT DIVISION. THIS CONDITION DOES NOT PRECLUDE THE NECESSITY FOR REVISING THE CURRENT PERMIT OR OBTAINING A SEPARATE COASTAL USE PERMIT, SHOULD ONE BE REQUIRED.
4. STRUCTURES MUST ALSO BE MARKED/LIGHTED IN ACCORDANCE WITH THE U.S. COAST GUARD REGULATIONS.
5. IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITTEE SHALL CONTACT THE LOUISIANA ONE CALL SYSTEM (1-800-272-3020) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION (DIGGING, DREDGING, JETTING, ECT.) OR DEMOLITION ACTIVITY.
6. THE AREA WHERE THE PROJECT IS LOCATED IS ALL PART OF THE ABORIGINAL HOMELANDS OF THE CHITMACHA TRIBE OF LOUISIANA. AS SUCH, LARGE VILLAGES, BURIAL SITES, AND SACRED SITES WERE IN PLACE IN THAT ENTIRE AREA. IF AT ANY TIME DURING THE COURSE OF THE WORK, ANY TRADITIONAL CULTURAL PROPERTIES ARE DISCOVERED, PERMITTEE SHALL IMMEDIATELY CONTACT KIMBERLY S. WALDEN (CULTURAL DIRECTOR) OR MELANIE AYMOND (RESEARCH COORDINATOR) AT (337) 923-9923 OR (337) 923-4395. OFFICE HOURS ARE MONDAY THROUGH THURSDAY FROM 7:30 A.M. - 5:00 P.M. AND ON FRIDAY BETWEEN 7:30 A.M. - 11:30 A.M. IF TRADITIONAL CULTURAL PROPERTIES ARE DISCOVERED ON THE WEEKEND OF AFTER BUSINESS HOURS, THE NOTIFICATION SHALL BE MADE THE NEXT BUSINESS MORNING.
7. NO IMPACTS TO RARE, THREATENED OR ENDANGERED SPECIES OR CRITICAL HABITATS ARE ANTICIPATED FROM THE PROPOSED PROJECT. NO STATE OR FEDERAL PARKS, WILDLIFE REFUGES, WILDLIFE MANAGEMENT AREAS OR SCENIC RIVERS ARE KNOWN AT THE SPECIFIED SITE OR WITHIN ¼ MILE OF THE PROPOSED PROJECT.
8. THE LOUISIANA NATURAL HERITAGE PROGRAM (LNHP) REPORTS SUMMARIZE THE EXISTING INFORMATION KNOWN AT THE TIME OF THE REQUEST REGARDING THE LOCATION IN QUESTION LNHP REPORTS SHOULD NOT BE CONSIDERED FINAL STATEMENTS ON THE BIOLOGICAL ELEMENTS OR AREAS BEING CONSIDERED, NOR SHOULD THEY BE SUBSTITUTED FOR ON-SITE SURVEYS REQUIRED FOR ENVIRONMENTAL ASSESSMENTS. IF AT ANY TIME LNHP TRACKED SPECIES ARE ENCOUNTERED WITHIN THE PROJECT AREA, PLEASE CONTACT OUR BIOLOGIST AT (225) 765-2643.
9. TREE CLEARING DEBRIS WILL BE REMOVED TO AN APPROVED OFF-SITE DISPOSAL FACILITY.



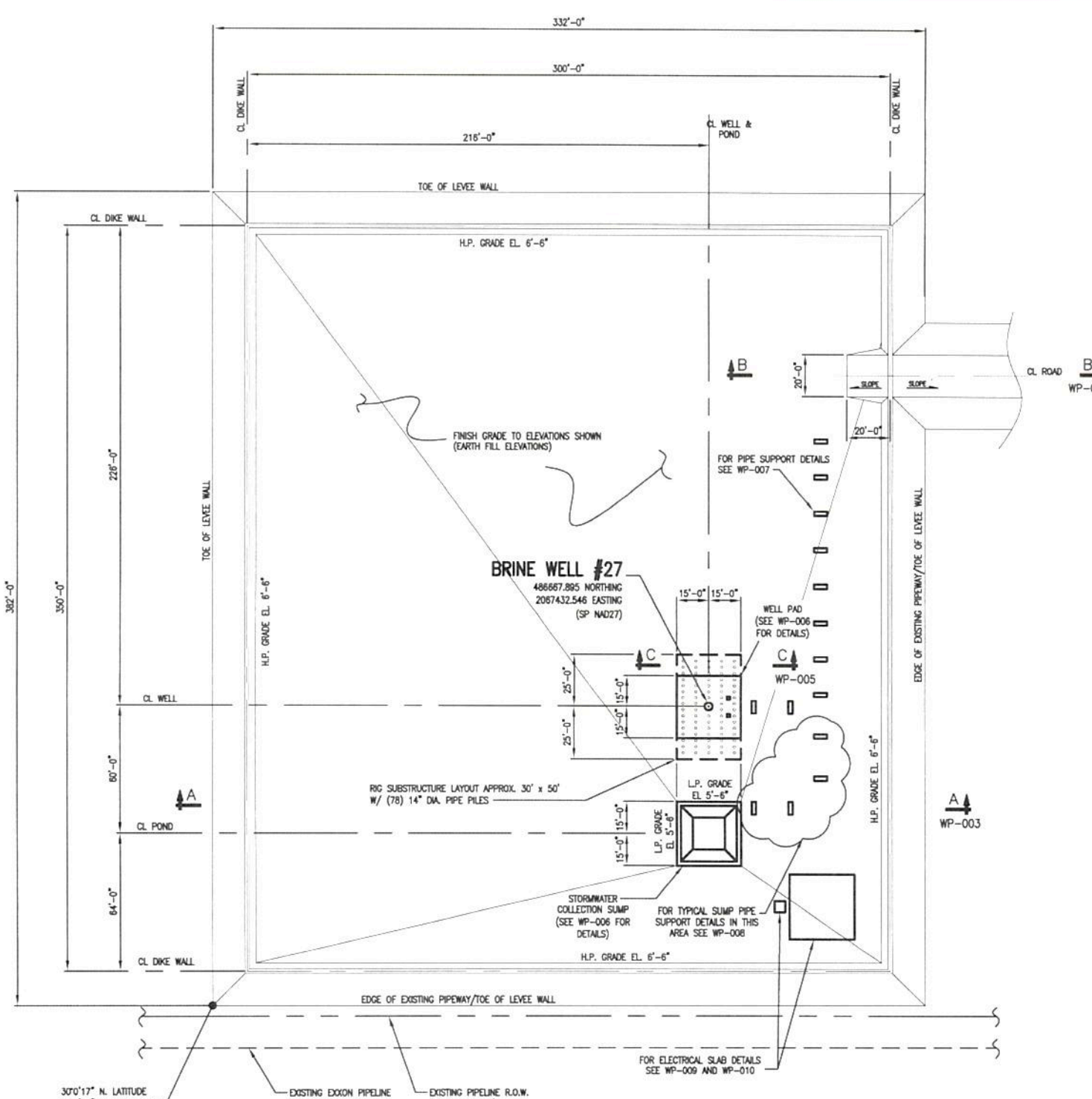
Ford, Bacon & Davis

A Limited Liability Company

PROJECT NO. F-5473

<b>THE DOW CHEMICAL COMPANY</b>	
LOUISIANA DIVISION	NAPOLÉONVILLE, LOUISIANA
GRAND BAYOU OPERATIONS	
BRINE WELL 27 PROJECT - WETLANDS PERMIT	
SITE PLAN	
CHARGE NUMBER	SCALE
	AS NOTED
	WP-F5473-001
REV.	
0	



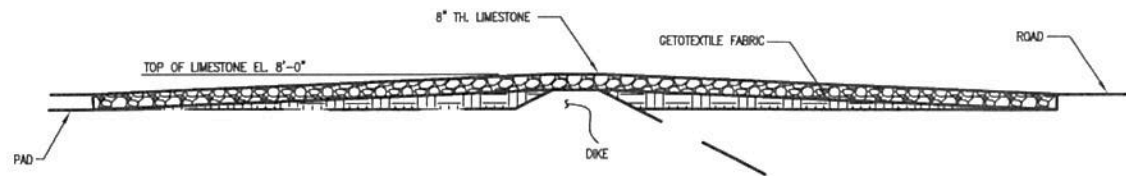
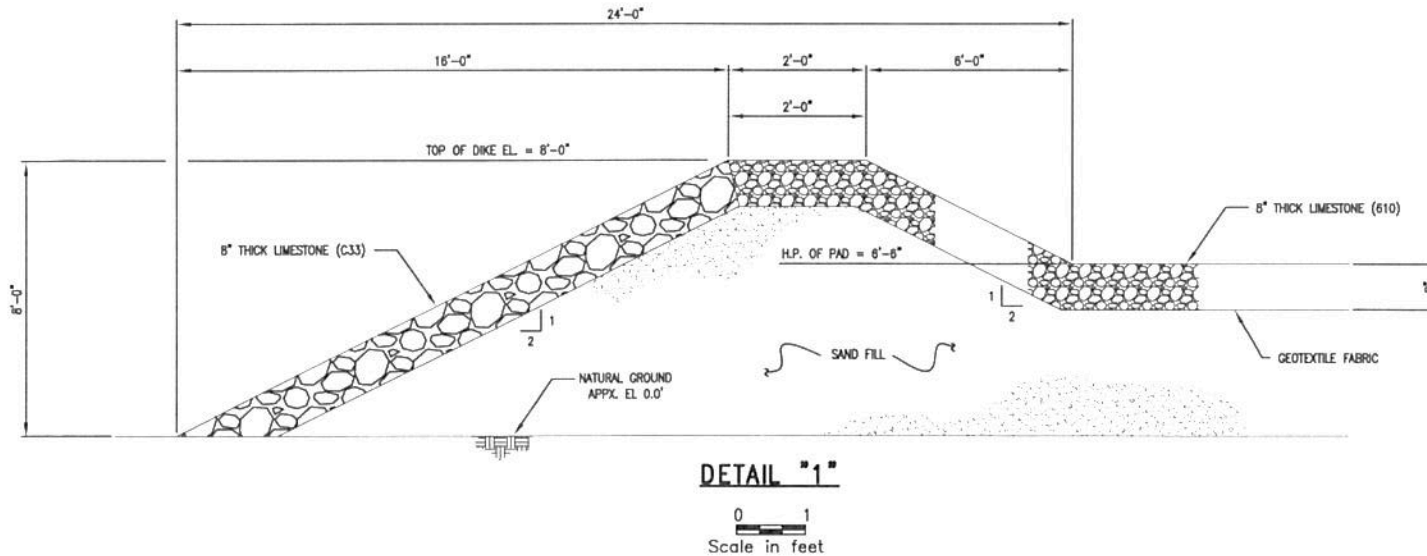
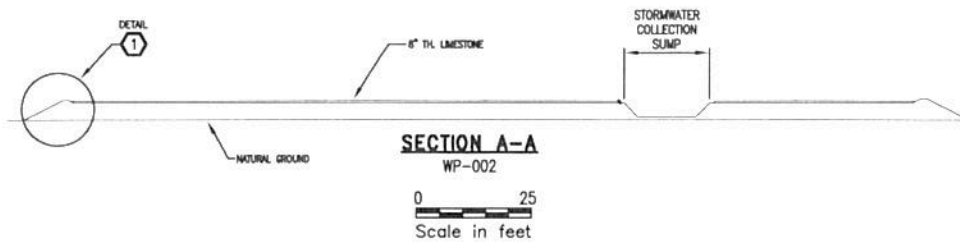


**GRADING & FOUNDATION  
LOCATION PLAN**  
SK-001

0 30  
Scale in feet


**Ford, Bacon & Davis**  
 A Limited Liability Company  
 PROJECT NO. F-5473

<b>THE DOW CHEMICAL COMPANY</b>			
LOUISIANA DIVISION		NAPOLEONVILLE, LOUISIANA	
GRAND BAYOU OPERATIONS			
BRINE WELL 27 PROJECT - WETLANDS PERMIT			
GRADING & FOUNDATION LOCATION PLAN			
CHARGE NUMBER	SCALE	WP-F5473-002	REV. 0
	AS NOTED		

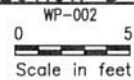


**MATERIAL TAKE-OFF FOR WELL PAD**

TOTAL REQUIRED SAND FILL	25,825 CU YD
TOTAL REQUIRED LIMESTONE (610)	2,705 CU YD
TOTAL REQUIRED LIMESTONE (C33)	550 CU YD

- NOTES:  
 1. APPX. 4' FROM TOP OF WATER/MUCK TO HARD GROUND  
 2. NO DREDGING REQUIRED

**SECTION B-B**

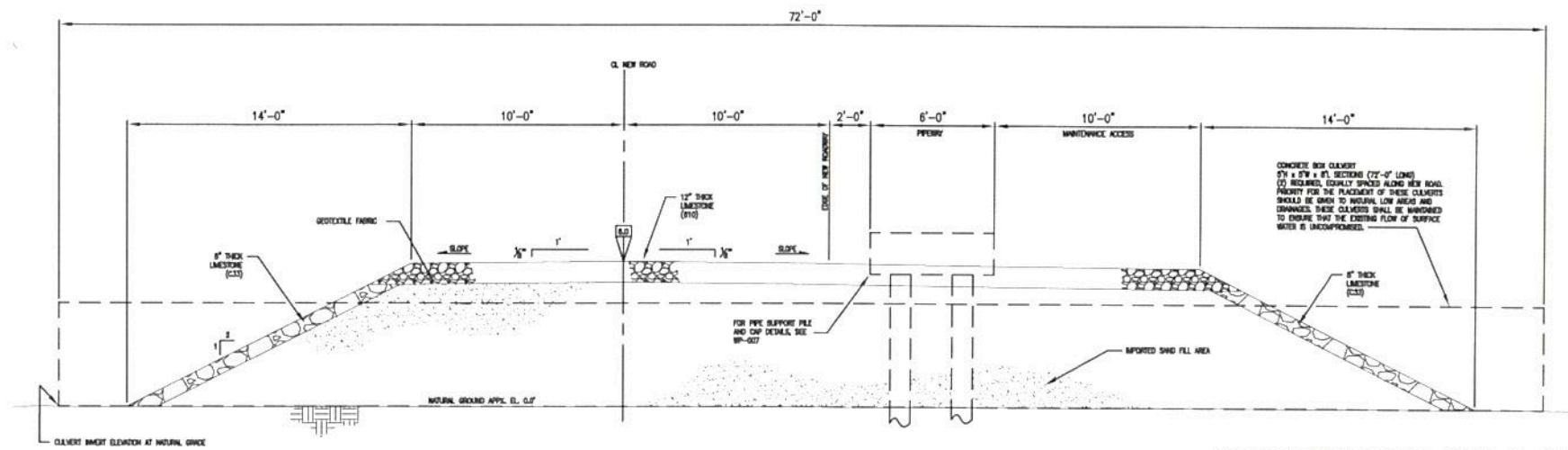


**Ford, Bacon & Davis**

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PROJECT NO. F-5473

<b>THE DOW CHEMICAL COMPANY</b>	
LOUISIANA DIVISION	NAPOLÉONVILLE, LOUISIANA
GRAND BAYOU OPERATIONS	
BRINE WELL 27 PROJECT – WETLANDS PERMIT	
GRADING & FOUNDATION DETAILS & SECTIONS	
CHARGE NUMBER	SCALE
	AS NOTED
	WP-F5473-003
REV.	0

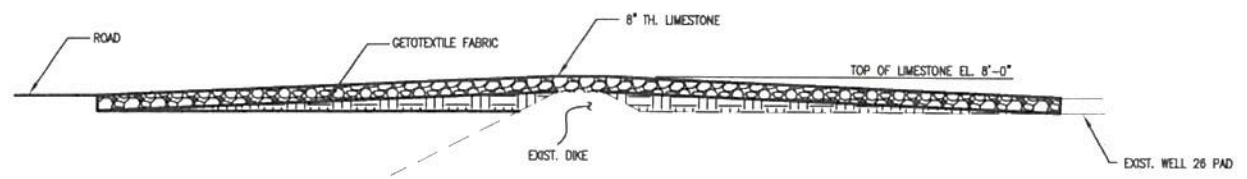


**NEW E-W ROAD TYPICAL ROAD CROSS SECTION**  
(440 LF ROAD)  
WP-001

**MATERIAL TAKE-OFF FOR NEW E-W ROAD**

TOTAL REQUIRED SAND FILL	5,825 CU YD
TOTAL REQUIRED LIMESTONE (B10)	650 CU YD
TOTAL REQUIRED LIMESTONE (C33)	310 CU YD

- NOTES:
- APPX. 4' FROM TOP OF WATER/MUCK TO HARD GROUND
  - NO DREDGING REQUIRED

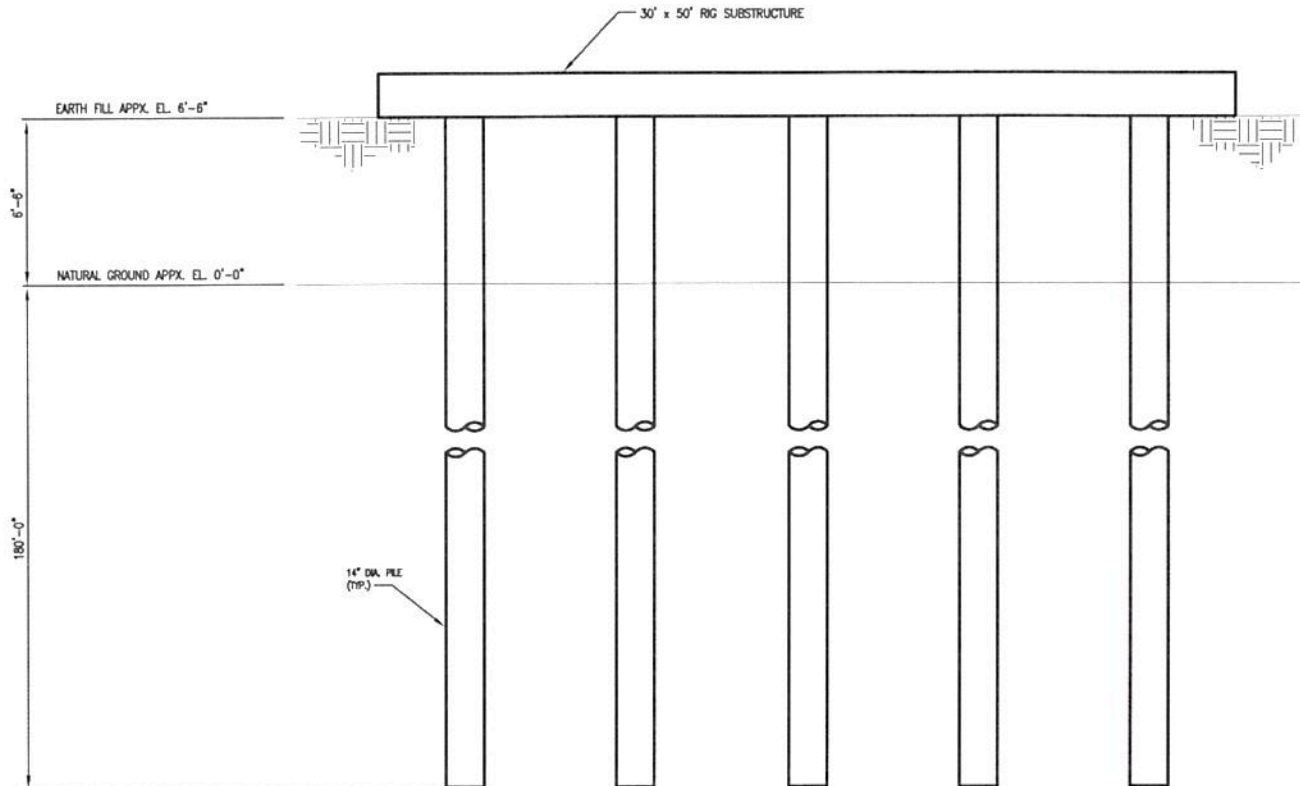


**NEW E-W ROAD AT EXIST. WELL PAD 26 CROSS SECTION**  
WP-001



**Ford, Bacon & Davis**  
A Limited Liability Company  
PROJECT NO. F-5473

<b>THE DOW CHEMICAL COMPANY</b>	
LOUISIANA DMSION	NAPOLEONVILLE, LOUISIANA
GRAND BAYOU OPERATIONS	
BRINE WELL 27 PROJECT - WETLANDS PERMIT	
TYPICAL ROAD CROSS SECTIONS	
CHARGE NUMBER	SCALE
	AS NOTED
	WP-F5473-004
REV.	0



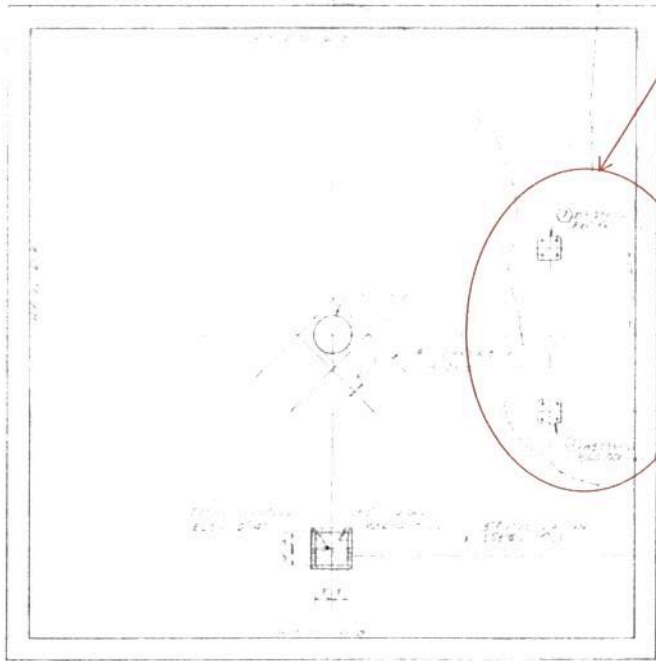
**SECTION C-C**  
WP-002



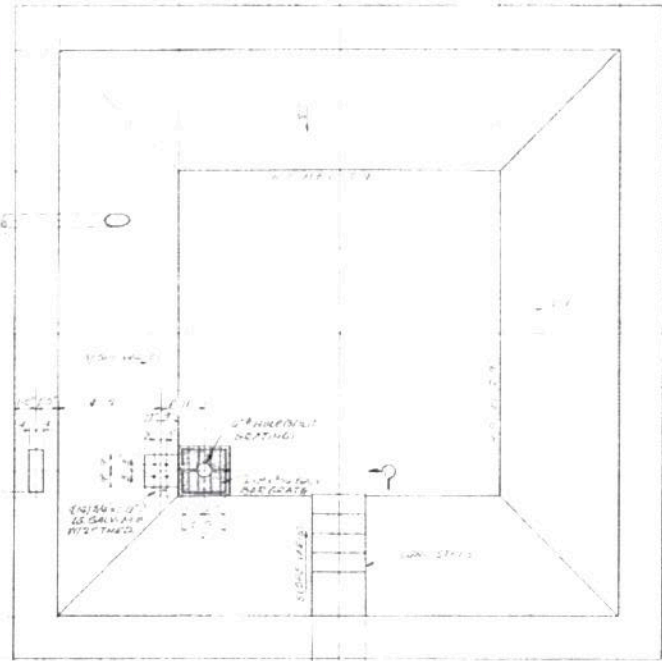
**Ford, Bacon & Davis**  
A Limited Liability Company  
PROJECT NO. F-5473

<b>THE DOW CHEMICAL COMPANY</b>	
LOUISIANA DIVISION	NAPOLEONVILLE, LOUISIANA
GRAND BAYOU OPERATIONS BRINE WELL 27 PROJECT - WETLANDS PERMIT PILE SECTION	
CHANGE NUMBER	SCALE
AS NOTED	WP-F5473-005
REV.	0





FOR WELL HEAD PIPE SUPPORT  
DETAILS, SEE WP-008



**WELL PAD**  
WP-001 & WP-002

**STORMWATER COLLECTION SUMP**  
WP-001 & WP-002



SECTION 'A-A'

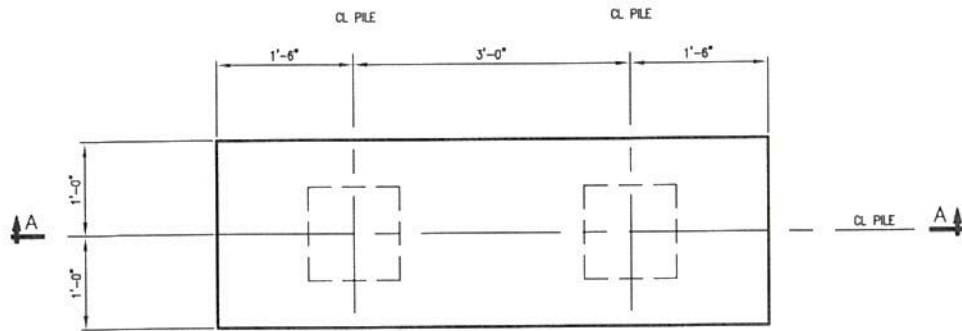


SECTION 'B-B'

REVISION		DRAWING ISSUE RECORD				DRAWING ISSUE RECORD						
NO.	DESCRIPTION	DATE	BY	CHECKED	NO.	DATE	BY	CHECKED	NO.	DATE	BY	CHECKED
1	ISSUED FOR PERMIT	11/11/09	W. H. H.	J. H. H.	1	11/11/09	W. H. H.	J. H. H.	1	11/11/09	W. H. H.	J. H. H.

**DOW** DOW CHEMICAL U.S.A. LOUISIANA DIVISION

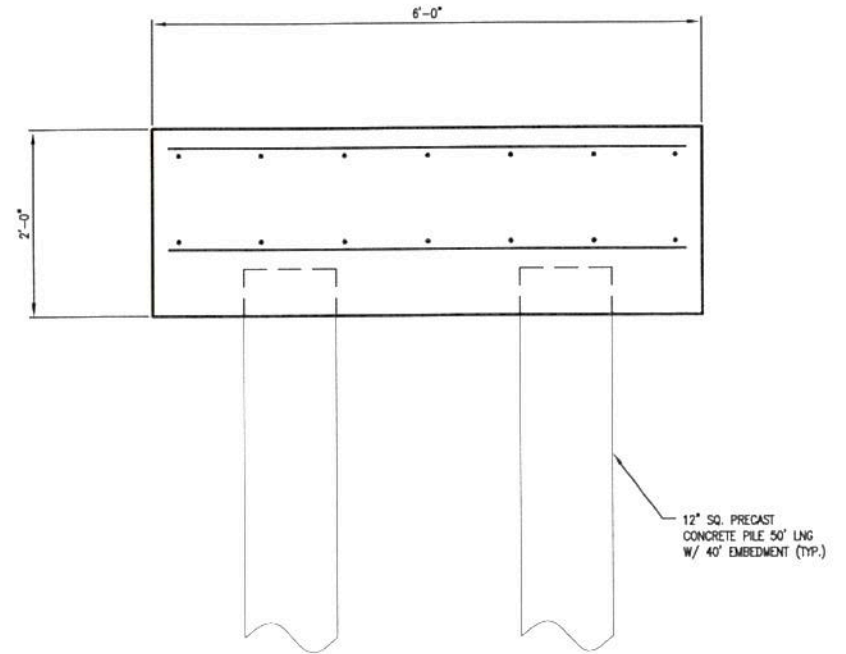
GRAND BAYOU OPERATIONS  
BRINE WELL 27 PROJECT - WETLANDS PERMIT  
CONCRETE DETAILS  
WP-F5473-006



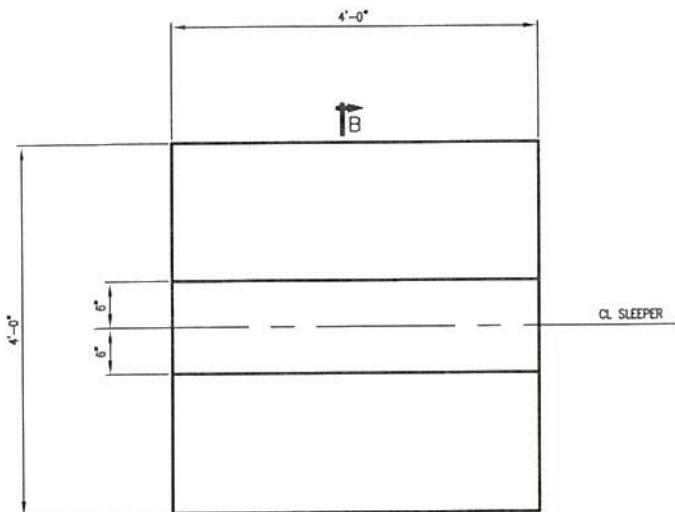
**TYPICAL PIPE SUPPORT ALONG ROAD**

(24 REQ'D)

WP-001



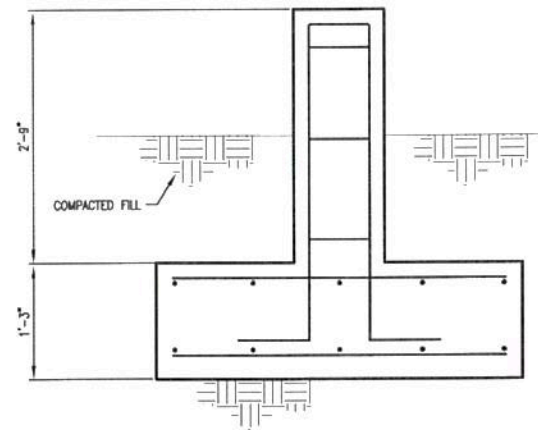
**SECTION A-A**



**TYPICAL PIPE SUPPORT ON PAD**

(10 REQ'D)

WP-002



**SECTION B-B**



Scale in feet

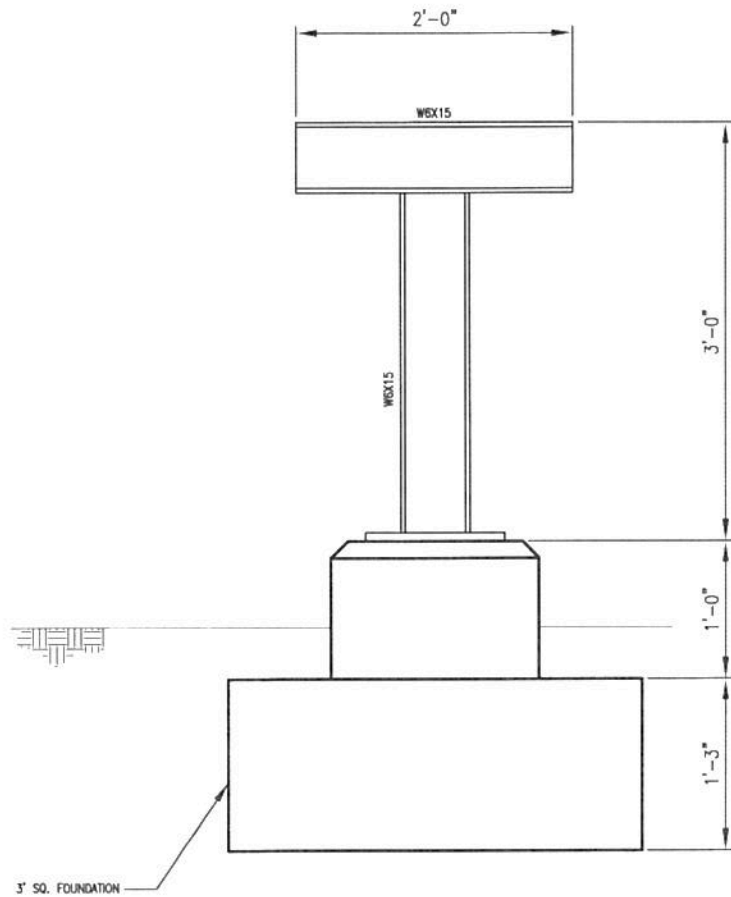


**Ford, Bacon & Davis**

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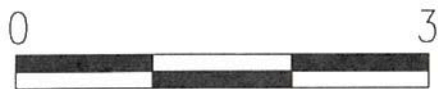
PROJECT NO. F-5473

<b>THE DOW CHEMICAL COMPANY</b>		
LOUISIANA DIVISION	NAPLEDONVILLE, LOUISIANA	
GRAND BAYOU OPERATIONS		
BRINE WELL 27 PROJECT - WETLANDS PERMIT		
PIPE SUPPORT DETAILS		
CHARGE NUMBER	SCALE AS NOTED	REV. 0
	WP-F5473-007	

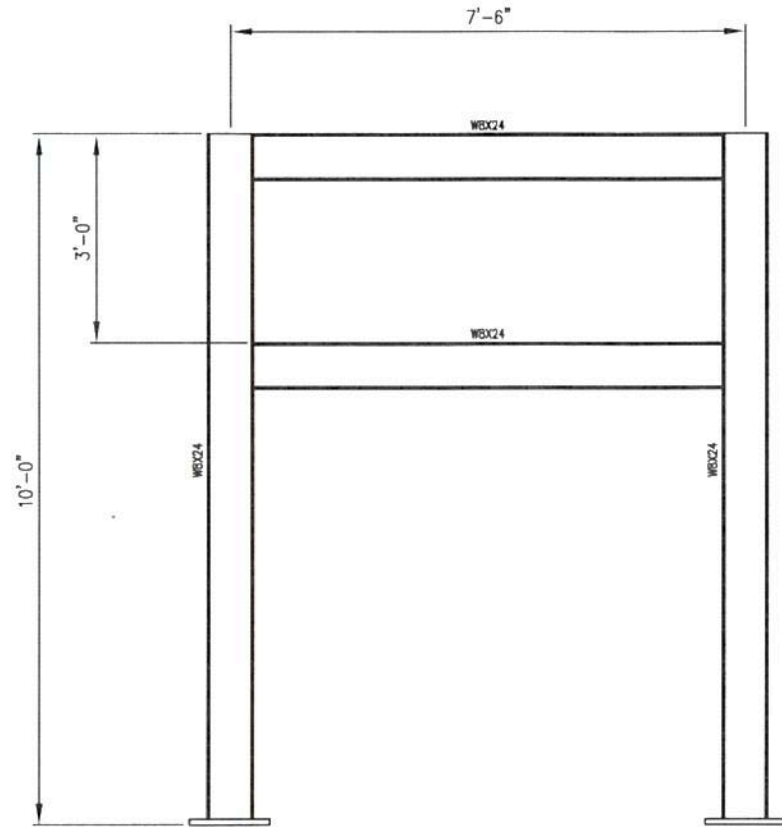


**TYPICAL SUMP PIPE SUPPORT**

(4 REQ'D)  
WP-002

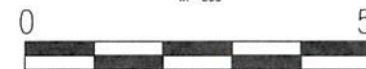


Scale in feet



**WELL HEAD PIPE SUPPORT**

(1 REQ'D)  
WP-006



Scale in feet

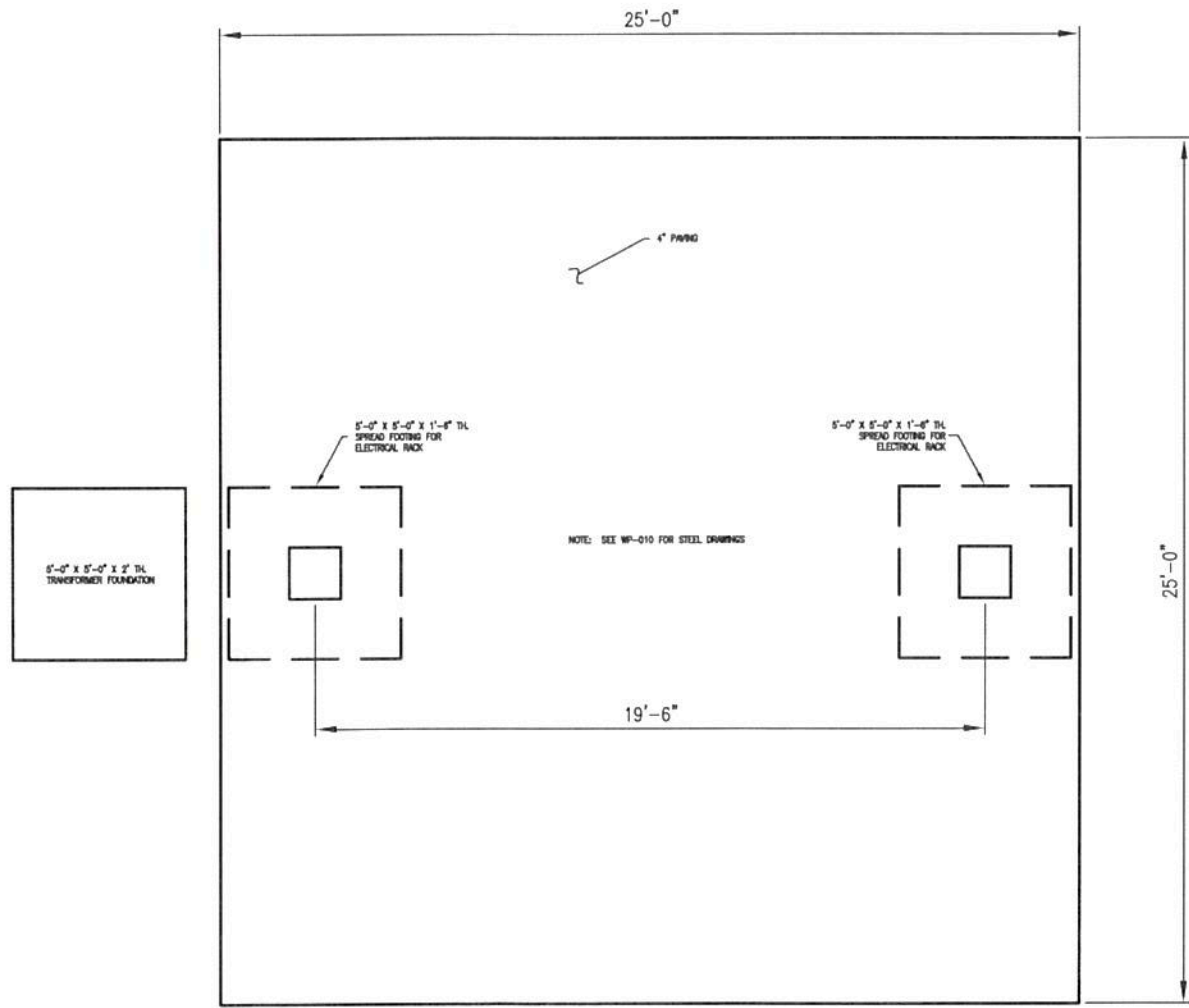


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PROJECT NO. F-5473

<b>THE DOW CHEMICAL COMPANY</b>	
LOUISIANA DIVISION	NAPOLÉONVILLE, LOUISIANA
GRAND BAYOU OPERATIONS BRINE WELL 27 PROJECT - WETLANDS PERMIT STEEL PIPE SUPPORTS	
CHARGE NUMBER	SCALE AS NOTED
	WP-F5473-008
REV.	0



PLAN  
**ELECTRICAL RACK FOUNDATIONS**  
 WP-002

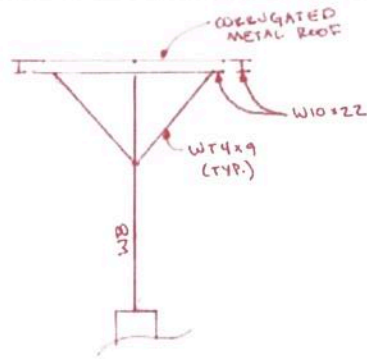


**Ford, Bacon & Davis**  
 A Limited Liability Company  
 PROJECT NO. F-5473



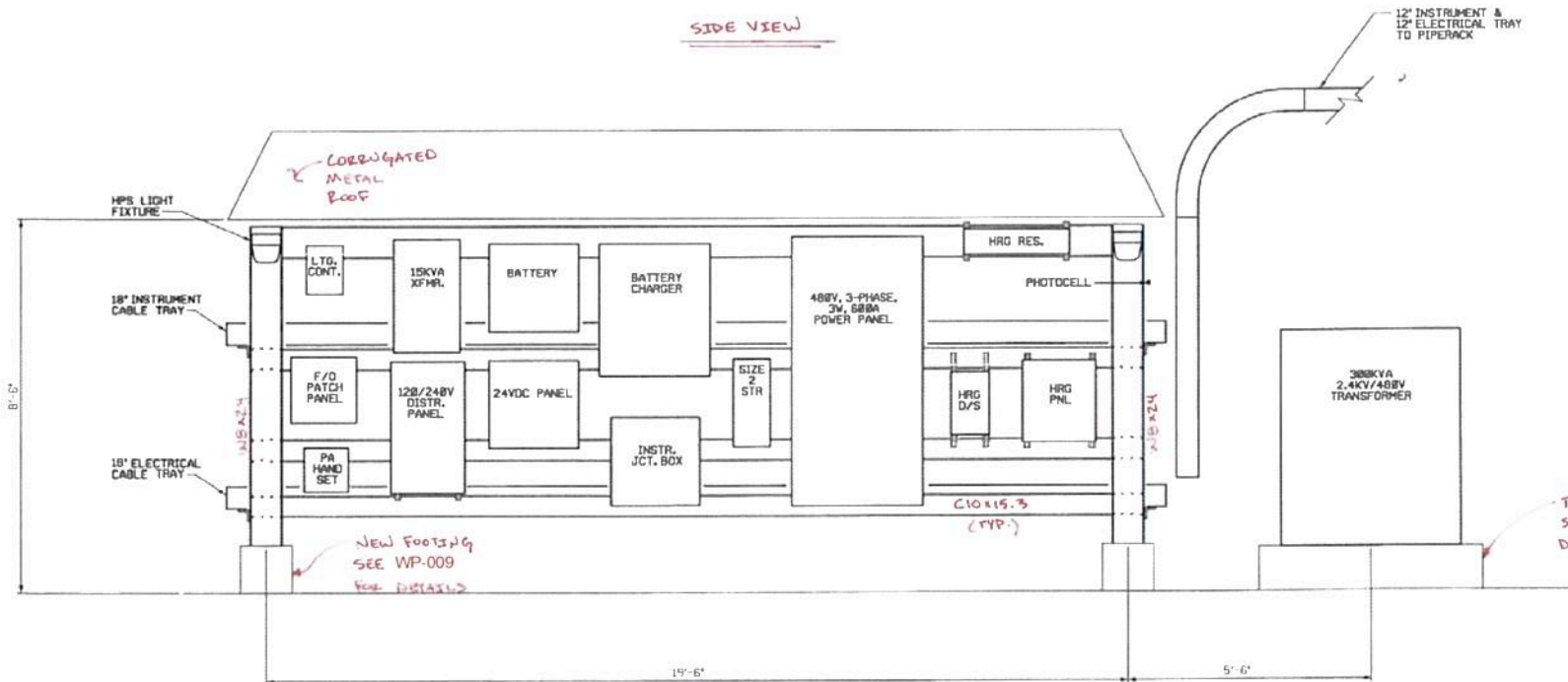
<b>THE DOW CHEMICAL COMPANY</b>		NAPOLÉONVILLE, LOUISIANA
LOUISIANA DIVISION		
GRAND BAYOU OPERATIONS BRINE WELL 27 PROJECT - WETLANDS PERMIT ELECTRICAL RACK FOUNDATIONS		
CHARGE NUMBER	SCALE AS NOTED	WP-F5473-009
		REV. 0





SIDE VIEW

NOTE: ALL CIVIL ITEMS INDICATED IN RED



ELEVATION

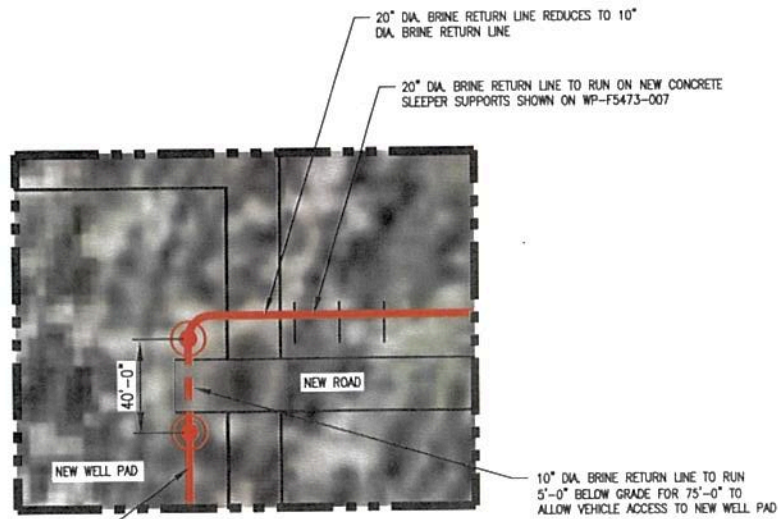
WP-002 & WP-009

NOT FOR CONSTRUCTION

FOR ESTIMATING PURPOSES ONLY

TRANSFORMER SLAB SEE WP-009 FOR DETAILS

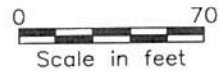
REVISION					REVISION					DRAWING ISSUE RECORD					THE DOW CHEMICAL COMPANY														
NO.	DATE	BY	CHK	APP	NO.	DATE	BY	CHK	APP	NO.	DATE	BY	CHK	APP	NO.	DATE	BY	CHK	APP	NO.	DATE	BY	CHK	APP	NO.	DATE	BY	CHK	APP
															GRAND BAYOU OPERATIONS BRINE WELL 27 PROJECT - WETLANDS PERMIT ELECTRICAL SWITCHRACK STEEL														
															WP-F5473-010														



10" DIA. BRINE RETURN LINE TO RUN ON CONCRETE SLEEPER SUPPORTS SHOWN ON WP-F5473-007 TO NEW WELL; NO ADDITIONAL WORK SPACES ARE REQUIRED

## PARTIAL PLAN

SEE DWG. WP-F5473-001



**Ford, Bacon & Davis**

A Limited Liability Company

PROJECT NO. F-5473

<b>THE DOW CHEMICAL COMPANY</b>		
LOUISIANA DIVISION	NAPOLEONVILLE, LOUISIANA	
GRAND BAYOU OPERATIONS		
BRINE WELL 27 PROJECT - WETLANDS PERMIT		
20" DIA. BRINE RETURN LINE		
CHANGE NUMBER	SCALE	REV.
	AS NOTED	0
WP-F5473-011		