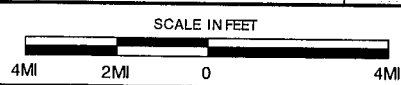


LOCATED APPROXIMATELY 23 MILES
SOUTHWEST OF MORGAN CITY, LA.

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR
THE ACQUISITION OF REGULATORY PERMITS.



VICINITY MAP

GEODETTIC DATUM: NAD27
PROJECTION: LOUISIANA SOUTH
GRID UNIT: US SURVEY FEET

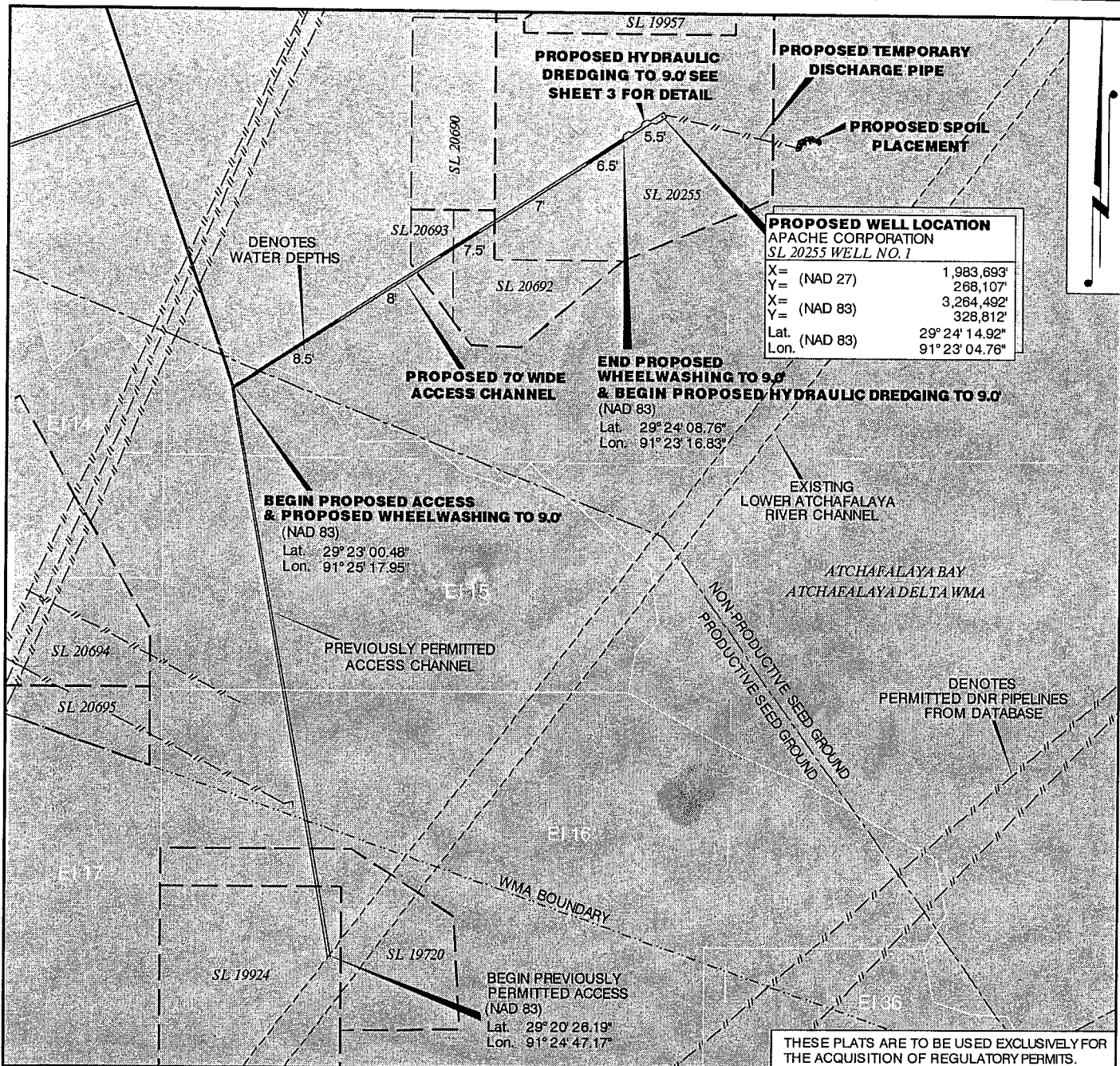


APACHE CORPORATION
PROPOSED WELL LOCATION, DREDGING & STRUCTURES
SL 20255 WELL NO. 1
ATCHAFALAYA DELTA WMA
ATCHAFALAYA BAY
ST. MARY PARISH, LOUISIANA

REV. NO.	REV. DATE	REVISION DESC.	REV. BY:
5	08/25/11	REVISED PLAT PER CLIENTS REQUEST	RRB



DRAWN BY:	AZB	SHEET	1 OF 10
APPROVED BY:	JCG	DRAWING NAME:	110547_C1_REV5
SCALE:	1 : 250,000	JOB NUMBER:	2011.0547
DATE:	07/26/11	MAP NUMBER:	



SCALE IN FEET
 4000' 2000' 0 4000'

AREA MAP
 IMAGE REPRODUCED FROM 2008 DOQQ AERIAL PHOTOGRAPH

GEODETIC DATUM: NAD27
 PROJECTION: LOUISIANA SOUTH
 GRID UNIT: US SURVEY FEET

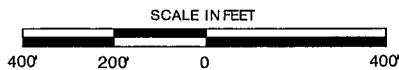
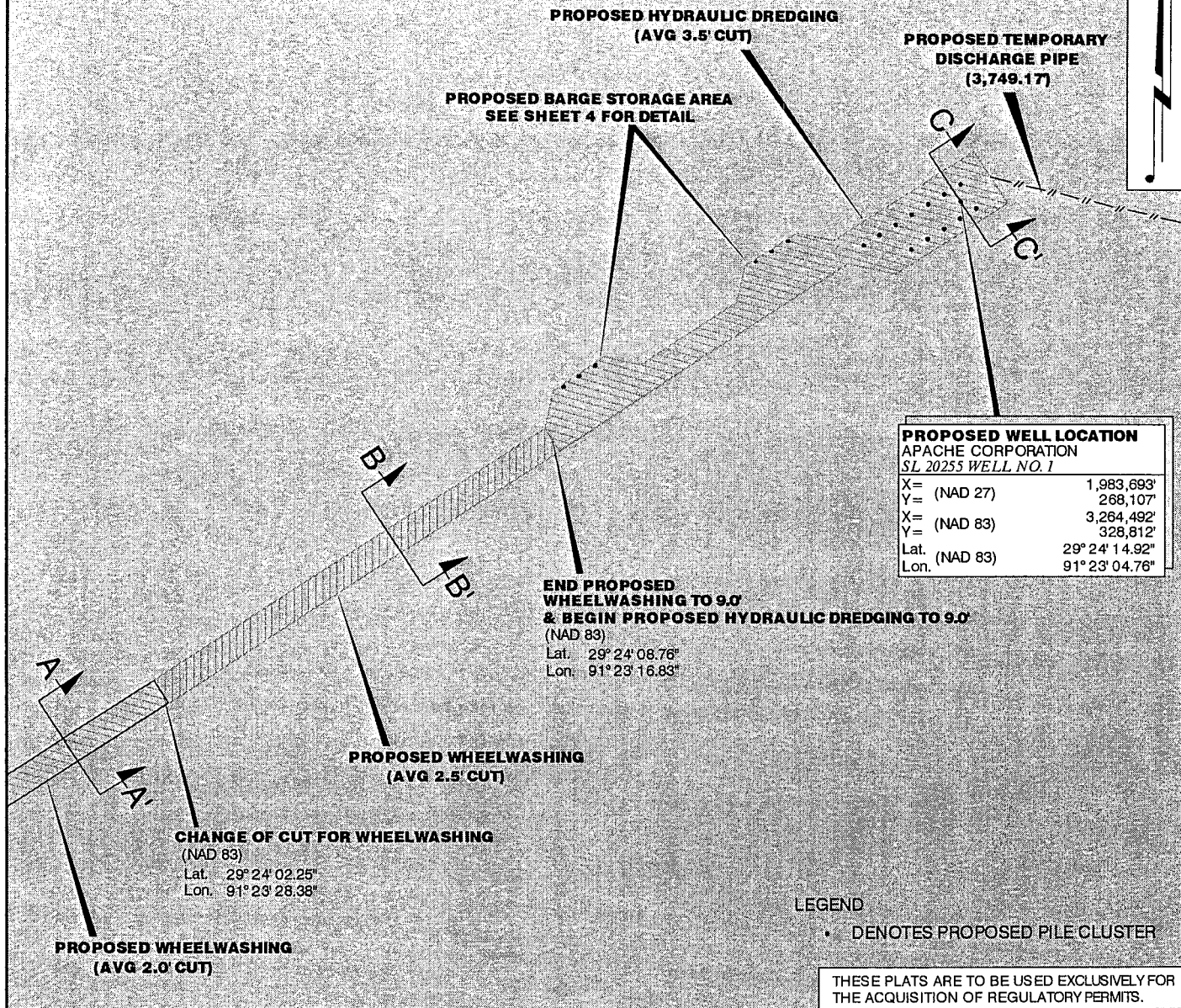


APACHE CORPORATION
 PROPOSED WELL LOCATION, DREDGING & STRUCTURES
 SL 20255 WELL NO. 1
 ATCHAFALAYA DELTA WMA
 ATCHAFALAYA BAY
 ST. MARY PARISH, LOUISIANA

REV. NO.	REV. DATE	REVISION DESC.	REV. BY:
5	08/25/11	REVISED PLAT PER CLIENT'S REQUEST	RRB

T. BAKER SMITH PROFESSIONAL CONSULTANTS SINCE 1919 (337) 736-8808 www.tbasmith.com	DRAWN BY:	AZB	SHEET	2	OF	10
	APPROVED BY:	JCG	DRAWING NAME:	110547_C2_REV5		
	SCALE:	1" = 400'	JOB NUMBER:	2011.0547		
	DATE:	07/28/11	MAP NUMBER:			

ATCHAFALAYA BAY
ATCHAFALAYA DELTA WMA
STATE LEASE 20255



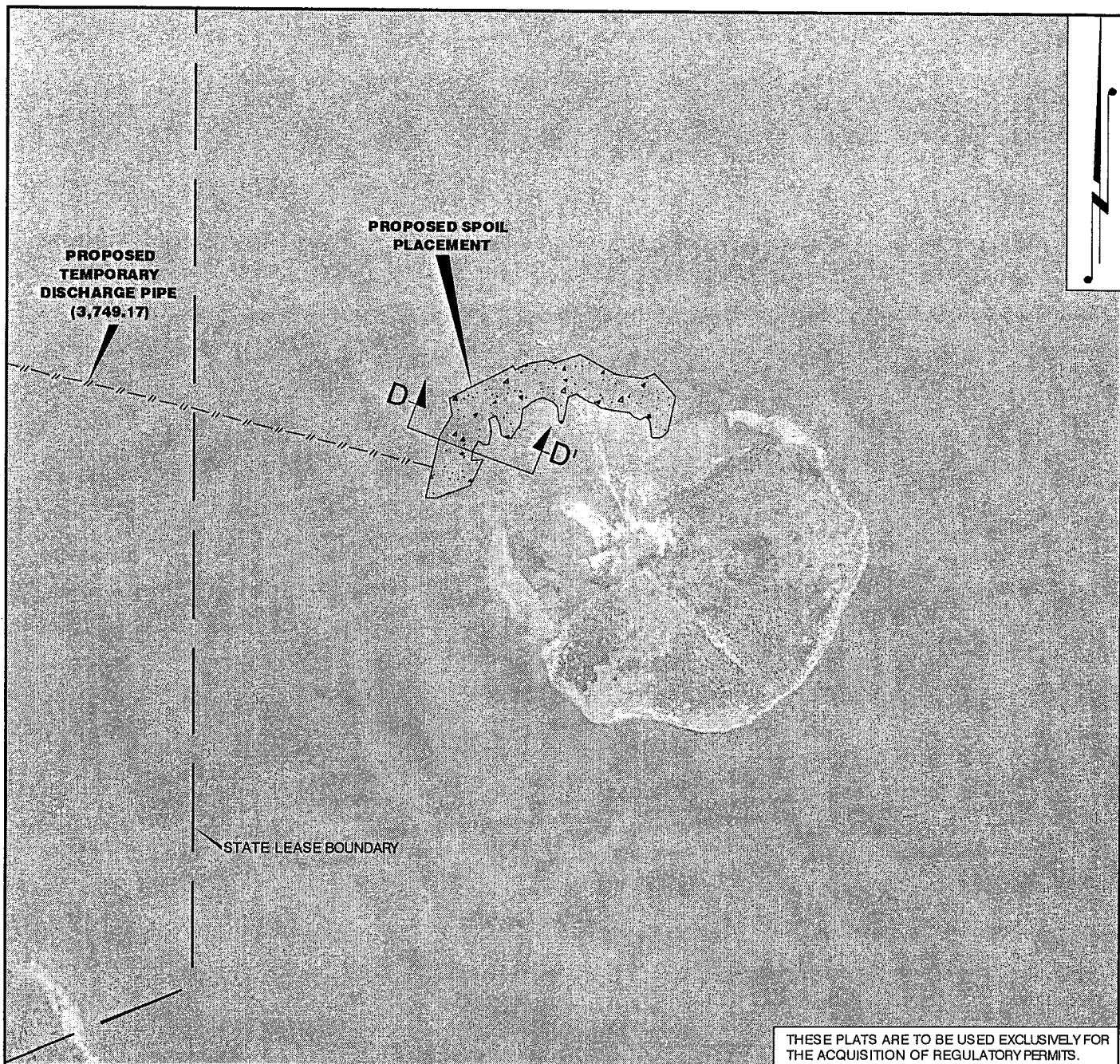
AREA MAP

GEODETIC DATUM: NAD27
PROJECTION: LOUISIANA SOUTH
GRID UNIT: US SURVEY FEET

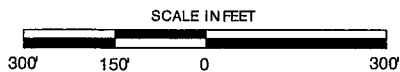


APACHE CORPORATION
PROPOSED WELL LOCATION, DREDGING & STRUCTURES
SL 20255 WELL NO. 1
ATCHAFALAYA DELTA WMA
ATCHAFALAYA BAY
ST. MARY PARISH, LOUISIANA

REV. NO.	REV. DATE	REVISION DESC.	REV. BY:
5	08/25/11	REVISED PLAT PER CLIENTS REQUEST	RRB
		DRAWN BY: AZB	SHEET 3 OF 10
		APPROVED BY: JCG	DRAWING NAME: 110547_C3_REV5
		SCALE: 1" = 400'	JOB NUMBER: 2011.0547
		DATE: 07/26/11	MAP NUMBER:



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AREA MAP

GEODETIC DATUM: NAD27
PROJECTION: LOUISIANA SOUTH
GRID UNIT: US SURVEY FEET



APACHE CORPORATION
PROPOSED WELL LOCATION, DREDGING & STRUCTURES
SL 20255 WELL NO. 1
ATCHAFALAYA DELTA WMA
ATCHAFALAYA BAY
ST. MARY PARISH, LOUISIANA

REV. NO.	REV. DATE	REVISION DESC.	REV. BY:
5	08/25/11	REVISED PLAT PER CLIENT'S REQUEST	RRB

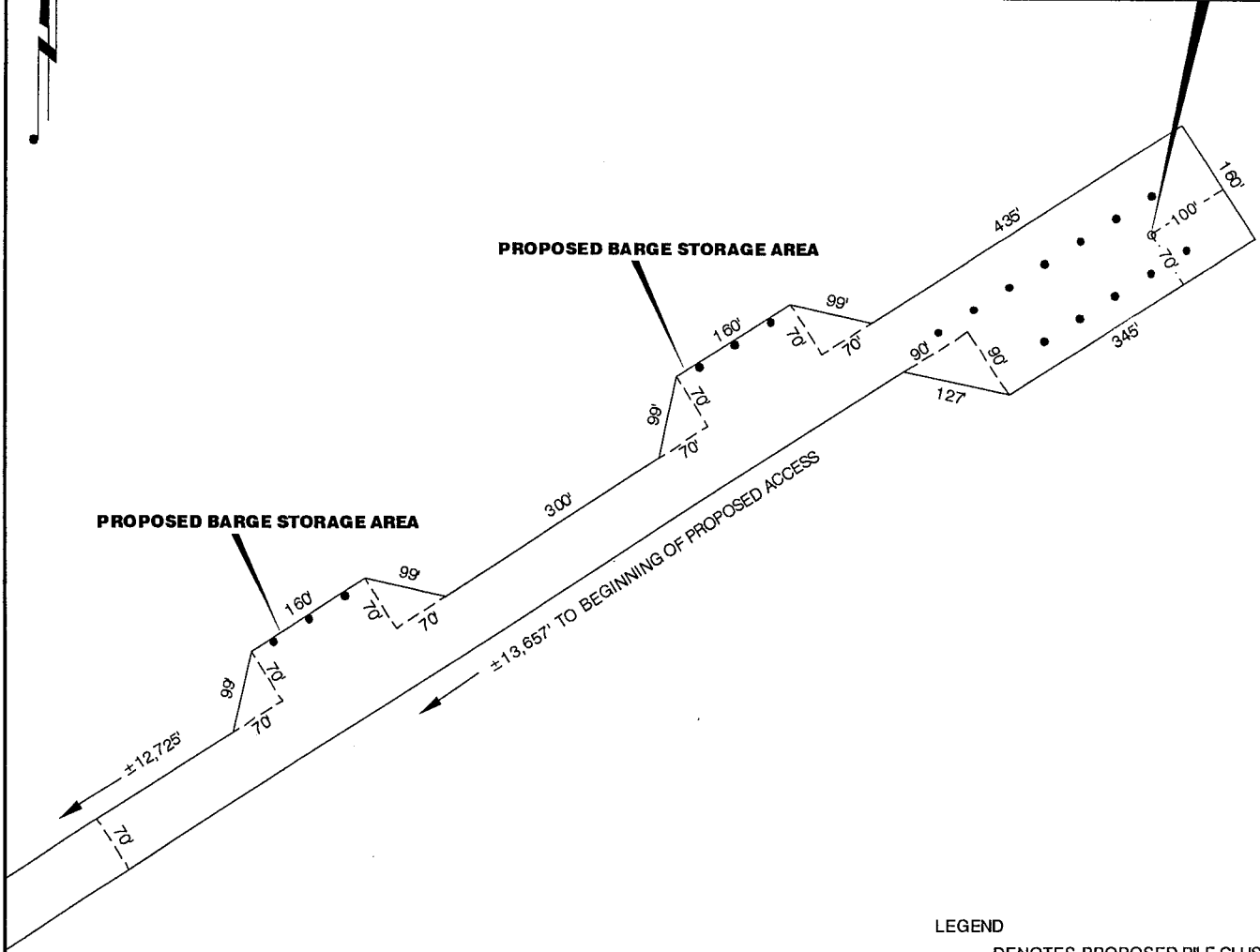


T. BAKER SMITH
PROFESSIONAL CONSULTANTS SINCE 1919
(225) 144-8800 www.tbaksmith.com

DRAWN BY: AZB	SHEET 4 OF 10
APPROVED BY: JCG	DRAWING NAME: 110547_C3_REV5
SCALE: 1" = 300'	JOB NUMBER: 2011.0547
DATE: 07/28/11	MAP NUMBER:

ATCHAFALAYA BAY
ATCHAFALAYA DELTA WMA
STATE LEASE 20255

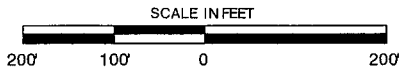
PROPOSED WELL LOCATION	
APACHE CORPORATION	
SL 20255 WELL NO. 1	
X=	1,983,693'
Y= (NAD 27)	268,107'
X=	3,264,492'
Y= (NAD 83)	328,812'
Lat. (NAD 83)	29° 24' 14.92"
Lon.	91° 23' 04.76"



LEGEND

- DENOTES PROPOSED PILE CLUSTER

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SLIP DETAIL

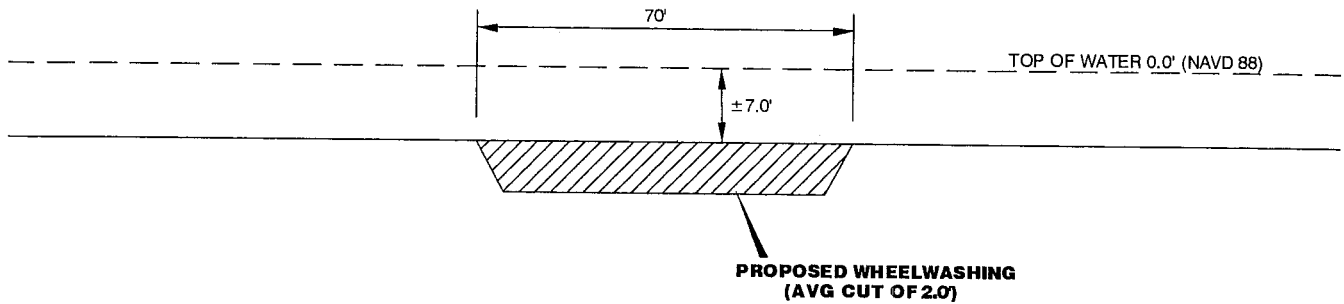
GEODETIC DATUM: NAD27
PROJECTION: LOUISIANA SOUTH
GRID UNIT: US SURVEY FEET



APACHE CORPORATION
PROPOSED WELL LOCATION, DREDGING & STRUCTURES
SL 20255 WELL NO. 1
ATCHAFALAYA DELTA WMA
ATCHAFALAYA BAY
ST. MARY PARISH, LOUISIANA

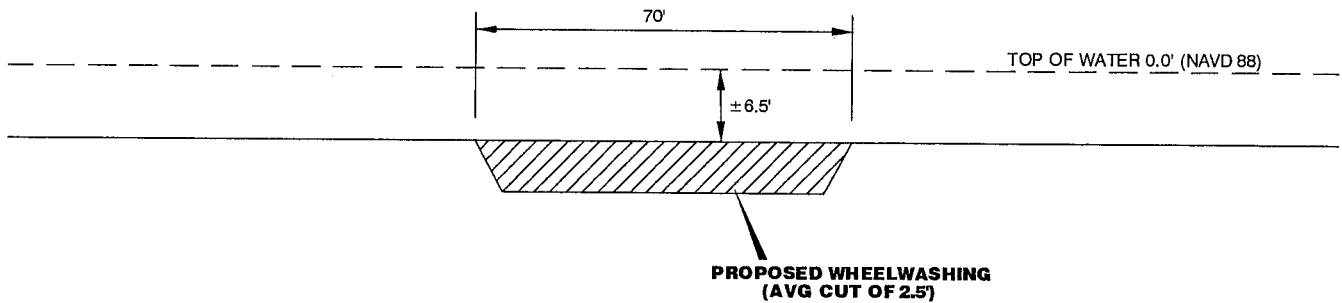
REV. NO.	REV. DATE	REVISION DESC.	REV. BY:
5	08/25/11	REVISED PLAT PER CLIENT'S REQUEST	RRB
 T. BAKER SMITH <small>PROFESSIONAL CONSULTANTS SINCE 1919 (337) 734-8808 www.tbasmith.com</small>		DRAWN BY: AZB	SHEET 5 OF 10
		APPROVED BY: JCG	DRAWING NAME: 110547_C4_REV5
		SCALE: 1" = 200'	JOB NUMBER: 2011.0547
		DATE: 07/26/11	MAP NUMBER:

MHWL +1.5' (NAVD 88)
MLWL +0.5' (NAVD 88)



CROSS-SECTION A-A'

NOT TO SCALE



CROSS-SECTION B-B'

NOT TO SCALE


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CROSS-SECTIONS

GEODETIC DATUM: NAD27
PROJECTION: LOUISIANA SOUTH
GRID UNIT: US SURVEY FEET

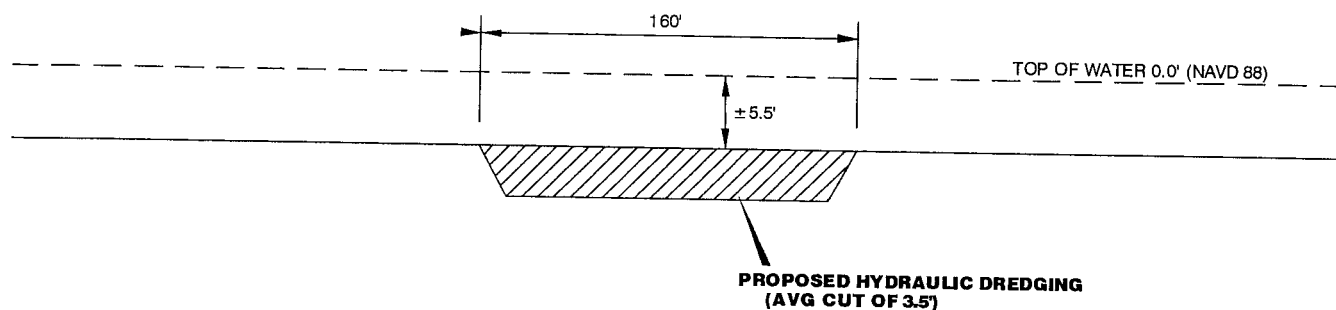


APACHE CORPORATION
PROPOSED WELL LOCATION, DREDGING & STRUCTURES
SL 20255 WELL NO. 1
ATCHAFALAYA DELTA WMA
ATCHAFALAYA BAY
ST. MARY PARISH, LOUISIANA

REV. NO.	REV. DATE	REVISION DESC.	REV. BY:
5	08/25/11	REVISED PLAT PER CLIENTS REQUEST	RRB
 T. BAKER SMITH <small>PROFESSIONAL CONSULTANTS SINCE 1919 (337) 750-8808 www.tbasmith.com</small>		DRAWN BY: AZB	SHEET 6 OF 10
		APPROVED BY: JCG	DRAWING NAME: 110547_C4_REV5
		SCALE: NOT TO SCALE	JOB NUMBER: 2011.0547
		DATE: 07/28/11	MAP NUMBER:

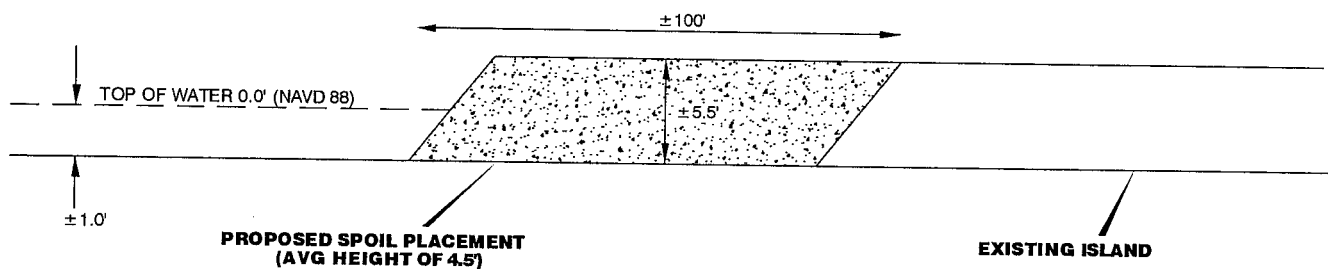
MHWL +1.5' (NAVD 88)

MLWL +0.5' (NAVD 88)



CROSS-SECTION C-C'

NOT TO SCALE



CROSS-SECTION D-D'

NOT TO SCALE

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CROSS-SECTIONS

GEODETTIC DATUM: NAD27
PROJECTION: LOUISIANA SOUTH
GRID UNIT: US SURVEY FEET



APACHE CORPORATION


PROPOSED WELL LOCATION, DREDGING & STRUCTURES

SL 20255 WELL NO. 1

ATCHAFALAYA DELTA WMA

ATCHAFALAYA BAY

ST. MARY PARISH, LOUISIANA

REV. NO.	REV. DATE	REVISION DESC.	REV. BY:
5	08/25/11	REVISED PLAT PER CLIENT'S REQUEST	RRB
 T. BAKER SMITH <small>PROFESSIONAL CONSULTANTS SINCE 1919 (337) 734-0908 www.tbasmith.com</small>		DRAWN BY: AZB	SHEET 7 OF 10
		APPROVED BY: JCG	DRAWING NAME: 110547_C4_REV5
		SCALE: NOT TO SCALE	JOB NUMBER: 2011.0547
		DATE: 07/28/11	MAP NUMBER:

MHWL +1.5' (NAVD 88)
MLWL +0.5' (NAVD 88)

COASTAL NOTES:

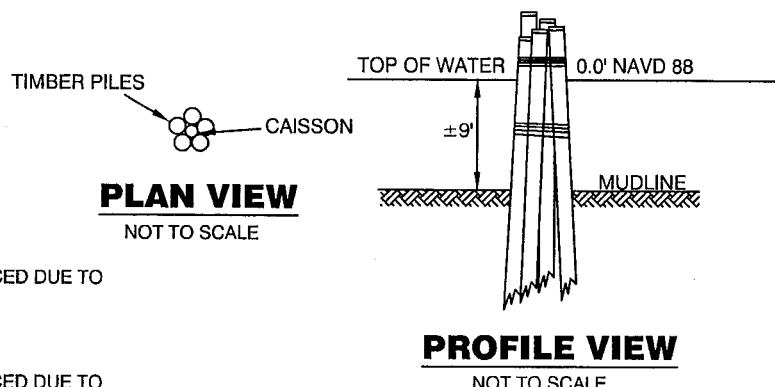
ALL STRUCTURES, FACILITIES, WELLS AND PIPELINES/FLOWLINES OCCURRING IN OPEN WATER AREAS, OR IN OILFIELD CANALS, OR SLIPS SHALL BE REMOVED WITHIN 120 DAYS OF ABANDONMENT OF THE FACILITIES FOR THE HEREIN PERMITTED USE, UNLESS PRIOR WRITTEN APPROVAL TO LEAVE SUCH STRUCTURES IN PLACE IS RECEIVED FROM THE 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 FOR SUCH ACTIVITIES.

AS-BUILT DRAWINGS SHALL BE SUBMITTED WITHIN 30 DAYS OF COMPLETION OF THIS PROJECT TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, COASTAL MANAGEMENT DIVISION AND OFFICE OF CONSERVATION, PIPELINE SAFETY DIVISION, POST OFFICE BOX 44487, BATON ROUGE, LA 70804-4487.

IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITEE 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, ETC.) OR DEMOLITION ACTIVITY.

THE PERMITEE SHALL ALSO CONTACT OTHER GOVERNMENTAL ENTITIES THAT MAY HAVE OPTED OUT OF THE ONE CALL PROGRAM. THESE GOVERNMENTAL ENTITIES MAY HAVE OPERATIONS LOCATED IN THE AREA OF THIS PROJECT.

ALL STRUCTURES WILL BE MARKED AND LIGHTED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.



NOTES:

APPROXIMATELY 44,136 CU YDS OF MATERIAL TO BE DISPLACED DUE TO PROPOSED WHEELWASHING.

APPROXIMATELY 20.6 ACRES OF WATER BOTTOMS TO BE IMPACTED DUE TO PROPOSED WHEELWASHING.

APPROXIMATELY 20,838 CU YDS OF MATERIAL TO BE DISPLACED DUE TO PROPOSED HYDRAULIC DREDGING.

APPROXIMATELY 3.7 ACRES OF WATER BOTTOMS TO BE IMPACTED DUE TO PROPOSED HYDRAULIC DREDGING.

APPROXIMATELY 2.2 ACRES OF WATER BOTTOMS TO BE IMPACTED DUE TO PROPOSED SPOIL PLACEMENT.

THE MAXIMUM DRAFT OF VESSELS TO BE UTILIZED FOR THE COMPLETION OF THIS PROJECT IS 8 FEET.

TYPICAL 5-PILE CLUSTER


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NOTES

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PROJECTION: LOUISIANA SOUTH
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APACHE CORPORATION
PROPOSED WELL LOCATION, DREDGING & STRUCTURES
SL 20255 WELL NO. 1
ATCHAFALAYA DELTA WMA
ATCHAFALAYA BAY
ST. MARY PARISH, LOUISIANA

REV. NO.	REV. DATE	REVISION DESC.	REV. BY:
5	08/25/11	REVISED PLAT PER CLIENT'S REQUEST	RRB
 T. BAKER SMITH PROFESSIONAL CONSULTANTS SINCE 1913 (507) 735-2800 www.tbsmith.com		DRAWN BY: AZB	SHEET 8 OF 10
		APPROVED BY: JCG	DRAWING NAME: 110547_C4_REV5
		SCALE: NOT TO SCALE	JOB NUMBER: 2011.0547
		DATE: 07/26/11	MAP NUMBER:

NOTES AND CONDITIONS: (PUBLIC SEED GROUND):

1. APPLICANT SHALL BE LIABLE FOR, AND SHALL COMPENSATE THE STATE FOR, ANY DAMAGES TO THE OYSTER SEED GROUNDS CAUSED BY APPLICANT OR APPLICANT'S CONTRACTORS DURING ANY WORK DONE UNDER THIS PERMIT. PRIOR TO COMMENCEMENT OF THE PERMITTED ACTIVITY, APPLICANT WILL ALSO PROVIDE LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES WITH THE NAME OF AN INDIVIDUAL IN AUTHORITY WHO CAN BE CONTACTED REGARDING ANY WORK DONE UNDER THE PERMIT.
2. COMPENSATION FOR IMPACTS TO THE PUBLIC OYSTER SEED GROUNDS SHALL BE IN THE FORM OF THE PLANTING CULTCH MATERIAL (I.E. CRUSHED CONCRETE, LIMESTONE, OYSTER SHELL, ETC) AT THE RATE OF 1 CUBIC YARD PER ACRE OF IMPACTED AREA FOR BARREN, NON-SUPPORTIVE AREAS OF THE SEED GROUNDS, 50 CUBIC YARDS PER ACRE OF IMPACTED AREA FOR SUPPORTIVE AREAS, AND 187 CUBIC YARDS PER ACRE OF IMPACTED AREA FOR REEF AREAS PLUS THE VALUE OF ANY LIVING OYSTER RESOURCES DESTROYED. APPLICANT SHALL BEAR THE EXPENSE OF ACQUISITION AND DEPOSITION OF CULTCH. THE CULTCH SHALL BE DEPOSITED BY THE APPLICANT, ITS CONTRACTOR OR SUB-CONTRACTOR, UNDER THE DIRECT SUPERVISION OF THE LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES, AND SHALL BE DEPOSITED AT A TIME, PLACE, AND IN A MANNER PRESCRIBED BY THE DEPARTMENT. IN LIEU OF PLANTING CULTCH MATERIAL, THE APPLICANT MAY MAKE PAYMENT DIRECTLY TO THE PUBLIC OYSTER SEED GROUND DEVELOPMENT ACCOUNT.
3. APPLICANT SHALL NOT DISCHARGE ANY DRILLING AND/OR WORKOVER EFFLUENT EXCEPT FOR FLOCCULATED FILTERED WATER INTO THE WATERS IN THE AREAS OF THE PROPOSED ACTIVITY. DISCHARGE RATE OF WATER SHALL NOT EXCEED THE RATE OF FILTERING.
4. APPLICANT SHALL NOT DISCHARGE ANY PRODUCED WATERS INTO THE WATERS IN THE AREAS OF PROPOSED ACTIVITY.
5. APPLICANT, APPLICANT'S CONTRACTORS AND SUB-CONTRACTORS SHALL NOT DISCHARGE ANY HUMAN WASTE FROM ANY VESSEL THAT DOES NOT MEET OR EXCEED THE REQUIREMENTS OF THE DEPARTMENT OF HEALTH AND HOSPITALS.
6. IF ACCESS ROUTE TRAVERSES A CURRENTLY PRODUCTIVE PUBLIC OYSTER AREA, THE APPLICANT SHALL SECURE APPROVAL OF THE ACCESS ROUTE FROM LDWF AND SHALL INGRESS AND EGRESS TO THE PROJECT LOCATION ONLY ALONG THE APPROVED ROUTE.
7. APPLICANT SHALL ESTABLISH AND MAINTAIN, UNTIL THE PERMITTED ACTIVITY IS COMPLETE, ALONG THE ACCESS ROUTE APPROPRIATE ACCESS ROUTE MARKINGS FOR VESSELS TRAVELING TO AND FROM THE PROJECT LOCATION. THESE MARKINGS MAY BE SUBJECT TO APPLICABLE LOCAL, STATE, AND FEDERAL NAVIGATION REQUIREMENTS. THESE MARKINGS SHALL BE SUFFICIENT TO BE USED DURING DAY AND NIGHT OPERATIONS AS WELL AS IN ANY CLIMATIC AND SEA CONDITION WHICH MAY OCCUR DURING PERMITTED ACTIVITIES.
8. APPLICANT SHALL PROVIDE LEGAL REPRESENTATION AND INDEMNIFICATION TO THE LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES FOR ANY AND ALL LAWSUITS AND LEGAL CLAIMS THAT MAY BE FILED OR MADE AGAINST THE DEPARTMENT OF WILDLIFE AND FISHERIES AS A RESULT OF THE ACTIVITIES BY APPLICANT.
9. THIS PERMIT SPECIFICALLY DOES NOT AUTHORIZE PROP WASHING, WHEEL WASHING, DREDGING, OR JETTING BEYOND WHAT IS SHOWN IN THE APPLICATION AND DRAWINGS. ANY CHANGES OR VARIANCES IN THE LOCATION, ACCESS ROUTE, VOLUME OF MATERIAL MOVED AND/OR MAGNITUDE OF THE AREA OF IMPACT SHALL REQUIRE FORMAL APPLICATION TO, AND PRIOR WRITTEN AUTHORIZATION FROM, THE DEPARTMENT OF NATURAL RESOURCES (DNR). THE DECISION BY DNR WHETHER TO AUTHORIZE THOSE CHANGES WILL REQUIRE CONSULTATION BY DNR WITH THE LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES IN STRICT ADHERENCE TO ALL APPLICABLE PROVISIONS OF THE FEBRUARY 3, 2005 MEMORANDUM OF AGREEMENT BETWEEN THOSE TWO AGENCIES.
10. APPLICANT SHALL HAVE AT THE PROJECT LOCATION FLOAT BOOMS FOR CONTAINING ANY SPILLS.
11. AT THE DISCRETION OF THE SECRETARY OR DEPUTY ASSISTANT SECRETARY OF THE LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES, ANY ACTIVITIES MAY BE SUSPENDED UNTIL MORE FAVORABLE CONDITIONS PREVAIL.
12. APPLICANT SHALL PROVIDE A LETTER OF COMPLETION AND AS-BUILT DRAWINGS OF THE COMPLETED PROJECT TO THE DEPARTMENT OF WILDLIFE AND FISHERIES NO LATER THAN 60 DAYS FOLLOWING COMPLETION OF THE PERMITTED ACTIVITY.
13. AT THE DISCRETION OF THE LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES, A POST-PROJECT BOTTOM CONTOUR AND SIDE-SCAN SURVEY MAY BE REQUIRED. THE RESULTS OF THESE SURVEYS WILL BE MADE AVAILABLE TO THE DEPARTMENT.
14. APPLICANT SHALL REMOVE OR SPREAD ANY DREDGED MATERIAL WHICH IS GREATER THAN 0.5 FEET ABOVE ORIGINAL BOTTOM CONTOURS.
15. AT THE DISCRETION OF THE LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES, THE APPLICANT MAY BE REQUIRED TO RETURN ALL OR PART OF WATER BOTTOMS TO PRE-PROJECT CONDITIONS.
16. ALL VESSELS UTILIZED UNDER THIS PERMIT SHALL BE OF SUCH SIZE AND LOADED IN SUCH A MANNER AS TO NOT IMPACT THE WATER BOTTOMS OVER WHICH THEY PASS.
17. APPLICANT SHALL NOTIFY JASON ADRIANCE (BIOLOGIST MANAGER) BY EMAIL (JADRIANCE@WLF.LOUISIANA.GOV AT LEAST 24 HOURS PRIOR TO COMMENCEMENT OF PERMITTED ACTIVITY.

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NOTES

GEODETIC DATUM: NAD27
PROJECTION: LOUISIANA SOUTH
GRID UNIT: US SURVEY FEET


APACHE CORPORATION

PROPOSED WELL LOCATION, DREDGING & STRUCTURES



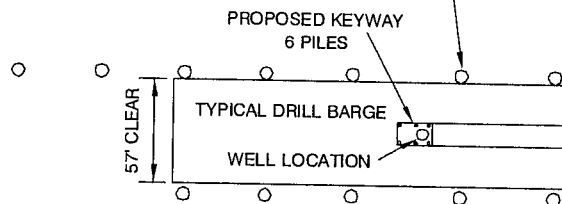
SL 20255 WELL NO. 1
ATCHAFALAYA DELTA WMA
ATCHAFALAYA BAY
ST. MARY PARISH, LOUISIANA

REV. NO.	REV. DATE	REVISION DESC.	REV. BY:
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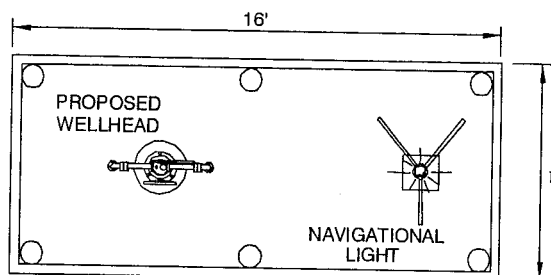
 T. BAKER SMITH <small>PROFESSIONAL CONSULTANTS SINCE 1919 (202) 724-8800 www.tbasmith.com</small>	DRAWN BY: AZB	SHEET 9 OF 10
	APPROVED BY: JCG	DRAWING NAME: 110547_C4_REV5
	SCALE: NOT TO SCALE	JOB NUMBER: 2011.0547
	DATE: 07/26/11	MAP NUMBER:

MHWL +1.5' (NAVD 88)
MLWL +0.5' (NAVD 88)

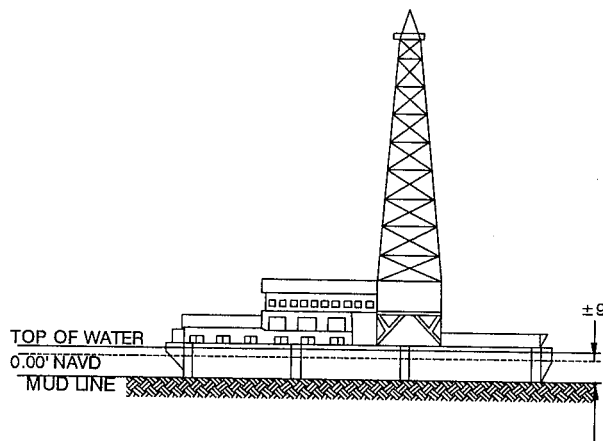
NOTE:
12 TEMPORARY 5 PILE CLUSTERS TO BE
DRIVEN TO ASSIST IN MAINTAINING DRILL
BARGE LOC.N. TEMPORARY CLUSTERS TO BE
PULLED WHEN PERMANENT WELL GAURD
IS INSTALLED.



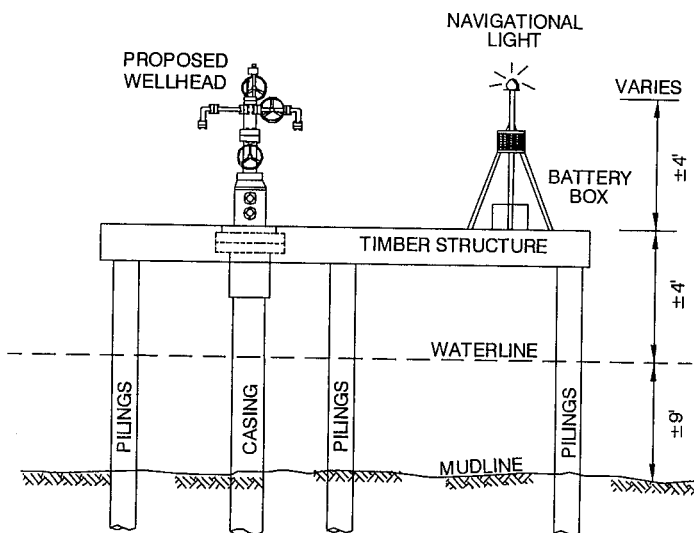
PLAN VIEW



PLAN VIEW



PROFILE VIEW



PROFILE VIEW

TYPICAL DIESEL POWER DRILL BARGE
NOT TO SCALE

TYPICAL WELL HEAD PROTECTOR
NOT TO SCALE


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TYPICALS

GEODETIC DATUM: NAD27
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 T. BAKER SMITH <small>PROFESSIONAL CONSULTANTS SINCE 1913 (337) 734-8808 www.tbasmith.com</small>		DRAWN BY: AZB	SHEET 10 OF 10
		APPROVED BY: JCG	DRAWING NAME: 110547_C4_REV5
		SCALE: NOT TO SCALE	JOB NUMBER: 2011.0547
		DATE: 07/28/11	MAP NUMBER: