United States Department of Agriculture
Natural Resources Conservation Service

OMB No. 0578-0030
NRCS-PDM-20

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

Section 1A

NRCS Entry Only
Eligible: YES _____ NO _____
Approved: YES _____ NO _____
Funding Priority Number (from Section 4) _____
Limited Resource Area: YES ____ NO _____

Date of Report: 10/28/05

DSR Number: 019-05-004 R Project Number: Ozan Ditch at Jim Drake Rd.

Section 1B Sponsor Information

Sponsor Name: Gravity Drainage Board GDD 6 W 5 and 6 in Starks

Address: __P.O. Box 906

City/State/Zip: Dequincy, LA

Telephone Number: (337) 743- 5503 Fax: _____

Section 1C Site Location Information

County: Calcasieu Parish State: LA Congressional District: 07

Latitude: Start: N 30.30257 End: N30.30659 Longitude: Start: W 93.66433 End: W 93.66449

Section: 2 Township: 9 S. Range: 13 W.

UTM Coordinates: _____

Drainage Name: Ozan Ditch /Jim Drake Rd. Reach: Downstream of Jim Drake Rd. See lat/long

Damage Description: Trees, branches and other debris in channel causing blockage and increased flooding to homes

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	X		Hurricane Rita wind and storm damage
Recovery measures would be for runoff retardation or soil erosion prevention?*	X		Reduce upstream flooding , streambank erosion, and scour erosion
Threat to life and/or property?*	X		Reduce flooding upstream of channel blockage where homes and school is located
Event caused a sudden impairment in the watershed?*	X		Hurricane deposited debris in channel that will likely cause flooding after next major rainfall event
Imminent threat was created by this event?**	X		Flood damage to homes and school likely after next major rainfall event.
For structural repairs, not repaired twice within ten years?**	X		No evidence of repairs to pipes culverts or roads in past several years
Site Defensibility			
Economic, environmental, and social documentation adequate to warrant action? (Go to pages 3, 4, 5 and 6 ***)	X		See attached documentation
Proposed action technically viable? (Go to Page 9 ***)	X		See attached documentation

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES _X____ NO _____
Comments: Local Gravity Drainage Board has been notified

* Statutory
** Regulation
*** DSR Pages 3 through 6 and 9 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages.1 of 14

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Section 1E Proposed Action

Describe the preferred alternative from Findings: Section 5 A:
Remove downed trees, branches and other debris from west side of channel and haul debris from site to land fill

Total installation cost identified in this DSR: Section 3: $47,200

Section 1F NRCS State Office Review and Approval

Reviewed By: _____ Date Reviewed: _____
State EWP Program Manager

Approved By: _____ Date Approved: _____
State Conservationist

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95-334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

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Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write USDA, Director of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-941 0 or call (800)795-3272 (voice) or (202)720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 or the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

DSR NO: ____019-05-004R_____

Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternatives and Effects		
		Proposed Action	**No Action**	**Alternative**
		Remove tree logs and debris from west side of channel and haul to landfill	**Leave tree logs and debris in channel**	**Remove tree logs and debris from both sides of channel. Stack and burn onsite**
		2D Effects of Alternatives		
Soil				
Bank Erosion	Stable except for exposed soil around uprooted trees on stream bank	Cause temporary increase in bank erosion from removal activities on access side of channel.	Erosion from root mass will stabilize, but flooding will cause more bank erosion and undercutting	Cause temporary increase in bank erosion from removal activities access side of channel.
Compaction	No compaction	Heavy equipment will moderately compact soil at access points on south side	No compaction	Heavy equipment will moderately compact soil at access points on both sides.
Water				
Flooding	Property upstream of debris blockage is subject to damages from flooding after next heavy rainfall event	Upstream flooding will be reduced and damages to property will be minimized from heavy rainfall events	Property upstream of debris blockage will continue to be subject to damages from next heavy rainfall event	Upstream flooding will be reduced and damages to property will be minimized from heavy rainfall events
Inadequate outlets	Debris is blocking outlets	Outlets will be opened, capacities will be increased and flooding will be reduced	Debris will continue to accumulate and further reduce outlet capacities	Outlets will be opened, capacities will be increased and flooding will be reduced
Excessive Sediments and turbidity	Stream flow is minimal and no sediment problems will occur until next heavy rainfall event.	Disturbance from heavy equipment and removal of debris will cause short term increase in sed. and turbidity, following first runoff event, but reduce long term impacts	Sediments and turbidity will increase as a result of stream bank erosion and scour damage following next heavy rainfall event	Disturbance from heavy equipment and removal of debris will cause short term increase in sed. and turbidity, following first runoff event, but reduce long term impacts
Stream health (including SVAP))	3.9 (Poor Conditions) See attached SVAP	4.0 (Poor Conditions)) See attached SVAP	3.7 (Poor Conditions)) See attached SVAP	3.6 (Poor Conditions)) See attached SVAP
Air				
Particulate Matter less than PM 10	No particulate matter is being generated by debris in channel	Will cause slight increase in particulate matter as result of disturbance, but will remain below 10mm	No change in particulate matter	Will cause slight increase in particulate matter as result of disturbance, but will remain below 10mm
Plant				
Productivity, Health and Vigor of Riparian Vegetation	Riparian vegetation on west side previously removed for pasture/houses. East side is dominated by pine, but providing bank stabilization	No standing trees on previously cleared access side of channel will be removed. Vegetation on east will remain undisturbed	West side vegetation will remain in pasture/yards. Eastside will remain "as is" or logged in future.	Some standing trees on east side of channel will be removed for access and hauling debris. Natural regeneration will restore disturbed areas
Prod. and Health of Aquatic Vegetation	Aquatic plants are limited to heavy filamentous algae. Ditch is almost dry	Improved flow may reduce filamentous algae	Aquatic plants are not likely to change because of ephemeral water in ditch	Improved flow may reduce filamentous algae
Animal				
Inadequate Cover/Shelter for Stream Fisheries (also see SVAP)	Fishery habitat is limited by ephemeral water. Debris and overhanging branches provide shade	Some instream cover will be removed. But adequate amounts will remain	Fishery habitat will remain limited do to ephemeral water. Downed trees wil continue to provide cover	Some instream cover will be removed. But adequate amounts will remain
Inadequate Cover/Shelter for Wildlife along Stream Corridor	Riparian forest buffer is absent much of west side. East side is providing adequate cover.	Access will be from open west side and will not result in loss of cover or shelter.	Riparian forest buffers will remain "as is" , absent on west side, adequate on east side	There will be a moderate reduction in cover along east side of channel where trees and understory are removed. Natural regeneration will restore cover.
Other				
Aesthetics	Interspersed trees and natural areas close to homes results in attractive landscape except for impact of large downed trees	Access from west side will not result in landscape changes or affect visual aspects of the area.	The landscape will remain the same except for any changes that may be caused by flooding	Access will reduce the amount of forest cover on east side, but will not noticeably impact the overall rural environment
Mosquito and Insect Vectors	Some pools of standing water for mosquito reproduction	Reduction in flooding will reduce likelihood of mosquito breeding habitat in future	No change in mosquito or vectors will occur	Reduction in flooding will reduce likelihood of mosquito breeding habitat in future

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Section 2E Special Environmental Concerns

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	Poor Water Quality, Low DO, High BOD	Improved water quality. CWA 404 Permit required. Water Quality Certification possible.	Decreased water quality. Increased blockage and flooding	Improved water quality. CWA 404 Permit required. Water Quality Certification possible.
Coastal Zone Management Areas	N/A	N/A	N/A	N/A
Coral Reefs	N/A	N/A	N/A	N/A
Cultural Resources	Use FOTG guidance. State level review needed	Same as existing	Same as existing	Same as existing
Endangered and Threatened Species	Use FOTG guidance USFWS/LDWF list shows species in parish, but none are likely in project area	No impacts	No impacts	No impacts
Environmental Justice	Not a factor in this project area	Not a factor in this project area	Not a factor in this project area	Not a factor in this project area
Essential Fish Habitat	No essential fish habitat within this project area	No essential fish habitat within this project area	No essential fish habitat within this project area	No essential fish habitat within this project area
Fish and Wildlife Coordination	No stream modification proposed	Will coordinate if issues arise in CWA 404 permit application process	N/A	Will coordinate if issues arise in CWA 404 permit application process
Floodplain Management	Project boundary is within 100 year floodplain	Improve drainage and reduce level of flooding to pre hurricane conditions	N/A	If selected, project will improve drainage and reduce level of flooding to pre-storm conditions
Invasive Species	Some Chinese Tallow trees on east side of channel.	No impact on invasive species.	Will likely increase	May remove some C. Tallow trees on east side
Migratory Birds	Provides habitat for neotropical migrants	No impact on habitat for neotropical migrants. No habitat will be destroyed	Continue to provide same level of habitat	Slightly reduce habitat for neotropical migrants where trees are removed
Natural Areas	Use FOTG guidance. No natural areas identified in project area	Use FOTG guidance. No natural areas identified in project area	Use FOTG guidance. No natural areas identified in project area	Use FOTG guidance. No natural areas identified in project area
Prime and Unique Farmlands	Use FOTG guidance and soil survey. No listed prime soils occur in project area	No impact on prime soils. None present	No prime soils present in project area	No impact on prime soils. None present
Riparian Areas	Downed timber has further reduced and altered the already disturbed forested riparian habitat	No standing timber or noticeable impacts on riparian areas are expected from access on west side	Downed timber and altered riparian area will remain until natural process restores habitat	Some standing timber on west side would be destroyed by access and diminish riparian buffer.
Scenic Beauty	Use FOTG guidance. Downed timber has reduced aesthetics of ditch and riparian areas	Access from west side will not effect landscape and debris removal will improve scenery	Downed timber in stream and along riparian areas will continue to reduce aesthetics.	Removal of trees for access on east side will cause slight decrease visual aspects.
Wetlands	Wetlands are presently drained by the ditch. Some downstream wetlands remain	Removal of debris will slightly increase water to downstream wetlands.	Downstream wetland functions and values will remain slightly altered.	Removal of debris will slightly increase water to downstream wetlands.
Wild and Scenic Rivers	Use FOTG guidance. No listed streams affected by project	No impact on listed streams or rivers	No impact on listed streams or rivers	No impact on listed streams or rivers

Completed By: Steve Tully, Biologist Date: 10/28/2005

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Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

	Future Damages ($)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private)	**540,000.00**	**.25**	**135,000.00**
6 houses protected avg.90, 000 each			
Properties Protected (Public)			
Business Losses			
Other			
Total Near Term Damage Reduction $			**135,000.00**
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			**87,800.00**

Completed By: ____Mike Sturdivant_____ Date: _10/28/2005

DSR NO: ____019-05-004R_____

Section 2G Social Consideration

This section must be completed by each alternative considered (attach additional sheets as necessary).

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?		X	
Is there the potential for loss of life due to damages from the watershed impairment?		X	
Has access to a hospital or medical facility been impaired by watershed impairment?		X	
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	X		Flooded area impact could cause detours to result on critical thoroughfares in the area most notably Jim Drake Rd.
Is there a lack or has there been a reduction of public safety due to watershed impairment?	X		Access to residences by emergency personnel (Fire, police, ambulance) would be limited if future flooding occurs due to watershed impairment.

Completed By: __Mike Sturdivant_____ Date: _____10/28/2005_____

DSR NO: ___019-05-004R_____

Section 2H Group Representation and Disability Information

This section is completed only for the preferred alternative selected.

Group Representation	Number
American Indian/Alaska Native Female Hispanic	0
American Indian/Alaska Native Female Non-Hispanic	
American Indian/Alaska Native Male Hispanic	0
American Indian/Alaska Native Male Non-Hispanic	0
Asian Female Hispanic	0
Asian Female Non-Hispanic	
Asian Male Hispanic	
Asian Male Non-Hispanic	0
Black or African American Female Hispanic	0
Black or African American Female Non-Hispanic	
Black or African American Male Hispanic	0
Black or African American Male Non-Hispanic	
Hawaiian Native/Pacific Islander Female Hispanic	0
Hawaiian Native/Pacific Islander Female Non-Hispanic	0
Hawaiian Native/Pacific Islander Male Hispanic	0
Hawaiian Native/Pacific Islander Male Non-Hispanic	0
White Female Hispanic	0
White Female Non-Hispanic	8
White Male Hispanic	0
White Male Non-Hispanic	10
Total Group	18

Census tract(s) __36_____

Completed By: __Mike Sturdivant_____ Date: _10/28/2005_____

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Access to channel from private properties will require easements/permission to be obtained by sponsor.

404 PERMIT REQUIRED

CWA permit and Water Quality certification possibly needed because of potential of grubbing stumps.

Mitigation Description:

Access will be from one side of channel. Access will be from west side of channel where trees have been previously cleared and no damage to riparian buffer on east side will occur. Debris will be removed from project area and disposed of in an approved landfill. Proposed action will restore hydraulic function to downstream wetlands, eliminate blockage in channel. and reduce upstream flooding. Action will be completed without interruption to reduce impact to wildlife.

Agencies, persons, and references consulted, or to be consulted:
Corps of Engineers, New Orleans District
LA DEQ and LDFW

DSR NO: ___019-05-004R____

Section 3 Engineering Cost Estimate

Completed By: _____Rachel Manuel_____ Date: _____10/31/05_____

This section must be completed by each alternative considered (attach additional sheets as necessary).

Proposed Recovery Measure (including mitigation)	Quantity	Units	Unit Cost ($)	Amount ($)
Mobilization/Demobilization	1	LS	NA	$5,000
Channel Obstruction Removal	1,500	LF	$28.00	$42,000
Seeding, sprigging, mulching	1	AC	$200	$200
			Total Installation cost (Enter in Section 1F)$	47,200

Alternative Recovery Measure (including mitigation)	Quantity	Units	Unit Cost ($)	Amount ($)
Mobilization/Demobilization	1	LS	NA	$5,000
Channel Obstruction Removal	1,500	LF	$28.00	$42,000
Seeding, sprigging, mulching	2	AC	$200	$400
			Total Installation cost $	47,400

Unit Abbreviations:
AC Acre
CY Cubic Yard
EA Each
HR Hour
LF Linear Feet
LS Lump Sum
SF Square Feet
SY Square Yard
TN Ton
Other (Specify)

DSR NO: ____019-05-004R_____

Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application
(see instructions on page 10).

Priority Ranking Criteria	**Yes**	**No**		**Ranking Number Plus Modifier**
1. Is this an exigency situation?	X			1e
2. Is this a site where there is serious, but not immediate threat to human life?				
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?				
4. Is this site a funding priority established by the NRCS Chief?				
The following are modifiers for the above criteria			**Modifier**	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?				
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?				
c. Will the proposed action or alternatives protect or conserve prime or important farmland?				
d. Will the proposed action or alternatives protect or conserve existing wetlands?				
e. Will the proposed action or alternatives maintain or improve current water quality conditions?			e	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?				

Enter priority computation in Section 1A, NRCS Entry, Funding Priority Number.

Remarks:

General water quality will be improved over entire reach. Adjacent wetlands will be restored and maintained.

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Section 5A Findings

Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

X Has been sufficiently analyzed in the EWP PEIS (reference all that apply)
Chapter 5.2.2.1.2
Chapter _____
Chapter _____
Chapter _____
Chapter _____

____ May require the preparation of an environmental assessment or environmental impact statement. The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Title: Rachel Manuel, Steve Tully, Mike Sturdivant Date: 10/28/05

Section 5B Comments:

Section 5C **Sponsor Concurrence:** _____

Sponsor Representative

Title: Dennis Buchanan Date: NOV 3 05

Section 6 Attachments:

A. Location Map
B. Site Plan or Sketches
C. Other (explain)

INSTRUCTIONS FOR COMPLETING THE NRCS-PDM-20, DSR

	Explanation of Requested Item	Who Completes
Section 1	Enter Site Sponsor, Location, Evaluation, Selected Alternative, and Reviewed and Approval Signatures.	NRCS completes with voluntary assistance from Sponsor except for NRCS only portion of Section 1A.
1A	Enter the Date, DSR Number, Project Number. For NRCS only enter Eligible Yes/No, Approved Yes/No, Funding Priority Number, and Limited Resource Area Yes/No.	
1B	Enter Sponsor Name, Address, Telephone, Fax	
1C	Enter site location County, State, Congressional District, Latitude, Longitude, Section, Township, Range, UTM Coordinates, Drainage Name, Reach within drainage, and Damage Description.	
1D	Enter Yes/No and any Remarks for the Site Evaluation information. Any No response means the site is not eligible for EWP assistance and no further information is necessary to complete the DSR. (See NEWPPM 390-502.03 and 390-502-04) Enter Yes/No regarding whether the affected public has been informed of the EWP program.	
1E	Enter the proposed treatment and the cost of installation.	NRCS only.
1F	NRCS Review and Approval.	

	Explanation of Requested Item	Who Completes
Section 2	Use available natural resource, economic, and social, information, including the EWP Programmatic Environmental Impact Statement (PEIS), to briefly describe the effects of the alternatives to the proposed action including the "no action" alternative. The no action alternative is the predicted future condition if no action is taken. Typically, the proposed action and no action are the alternatives considered for EWP recovery measures due to the focus on repairing or preventing damages within a watershed. However, in cases where additional alternatives are considered, include all pertinent information to adequately address the additional alternatives (e.g., proposed action would be bio-engineering for bank stabilization, no action alternative, and an additional alternative may be riprap for bank stabilization). Do not leave blanks where a consideration is not applicable, use NA to indicate the factor was considered but not applicable for the alternative.	NRCS completes with voluntary assistance from Sponsor.
2A	List all resource concerns which are relevant to the area of the proposed action and alternatives. Refer to the National Bulletin 450-5-8 TCH-COMPLETING AND FILING MEASEMENT UNITS FOR RESOURCE CONCERNS IN THE FIELD OFFICE TECHNICAL GUIDE (FOTG). Note: the affected area may extend beyond the construction foot print (e. g. where water quality or water rights are affected downstream of the site.)	
2B	Provide a brief description of the present condition of each resource concern listed in 2A. Quantify conditions where possible. Reference accompanying photographic documentation.	
2C	Briefly summarize the practice/system of practices being proposed, as well as the "no action" alternative is predicted future condition if no action is taken.	
2D	Document the efforts of the proposed action and alternatives for the considerations listed in 2A. Reference applicable quality criteria, information in the CPPE, and quantify effects whenever possible. Consider both long-term and short-term effects. Consider any effects which may be individually minor but cumulatively significant at a larger scale or over an extended time period. Clearly define the differences between proposed action, no action, and the other alternatives.	

2E	Enter Special Environmental Concerns for Clean Water Act Waters of the U.S., Coastal Zone Management Areas, Coral Reefs, Cultural Resources, Endangered and Threatened Species, Environmental Justice, Essential Fish Habitat, Fish and Wildlife Coordination, Floodplain Management, Invasive Species, Migratory Birds, Natural Areas, Prime and Unique Farmlands, Riparian Areas, Scenic Beauty, Wetlands, and Wild and Scenic Rivers for each alternative considered. In the case where the selected alternative from Section 5A impacts a Special Environmental Concern, additional information, coordination, permitting or mitigation may be required and adequate documentation should be prepared and attached to the DSR to identify how NRCS or the Sponsor addressed the concern.	
2F	Identify Property Protected both private and public, business losses and other economic impacts considered for each alternative. Enter the dollar value of the potential future damages if no action is taken in the Future Damage (5) column. This would be the estimate of the value lost if the EWP recovery measure is not installed. Use the repair cost or damage dollar method to determine the estimate of future damages. The repair cost method uses the costs to return the impaired property, good, or services based on their original pre-event condition or value. The damage dollar method uses an estimate of the future damage to value (e.g. if the structure is condemned, then enter the value of the structure). Enter the estimated amount based upon existing information or information furnished by the sponsor, contractors or others with specific knowledge for recovery from natural disasters for each alternative considered. Often market values for properties or services can be obtained from personnel at the local county/parish tax assessment office. The DSI team needs to determine the Damage Factor (%) which is a coefficient that indicates the degree of damage reduction to a property that is attributed to the effect of the proposed EWP recovery measures. Use an appropriate estimate of how much of the damage the EWP recovery measure will avoid for the alternative being considered. If the recovery measures from a single site will prevent 100 percent of the damage use 100 percent. The Near Term Damage Reduction is the Future Damage ($) times the Damage Factor (%). Sum the Near Term Damage Reduction values to calculate the Total Near Term Damage Reduction. Enter the Net Benefit which is computed by subtracting the Cost from section 3 from the total near term damage reduction. The economic section must be completed for each alternative considered. Attach additional sheets as necessary.	
2G	Enter information to describe the potential social impacts and considerations for each alternative. Answer Yes or No and any remarks necessary to adequately address each question. The information may be obtained through interviews with community leaders, government officials or sponsors. Factors such as road closures, loss of water, electricity, access to emergency services are used when answering whether the community as a whole has been impaired. This information is part of the environmental evaluation portion of the DSR but may be pertinent in Section 4 regarding priorities. The Social Considerations Section must be completed for each alternative considered. Attach additional sheets as necessary.	
2H	Enter the Group Representation for the preferred alternative. Use the most recent census tract information based upon where the EWP recovery measures are located.	Sponsor completes.

2I	Enter whether easement, permissions, or permits, and mitigation will require consultation or coordination for the selected alternative (e.g., Clean Water Act section 404 permit, Endangered Species Act section 10 permits, and any State or county permits or requirements). Describe mitigation to be applied that will offset any adverse impacts and attach any documentation from other agencies regarding mitigation requirements.	NRCS completes with voluntary assistance from Sponsor.

	Explanation of Requested Item	**Who Completes**
Section 3	Enter Proposed Recovery Measure(s) including Quantity, Units, Unit Cost, and Total Amount Cost. Enter sum of all Proposed Recovery Measure Costs to calculate Total Costs. Enter Total Installation Costs in Section 1F. The Engineering Cost Estimate must be completed for each alternative considered. Attach additional sheets as necessary.	NRCS completes with voluntary assistance from Sponsor.

	Explanation of Requested Item	**Who Completes**
Section 4	This section is used to determine the Funding Priority for the preferred alternative and sequence for initiating recovery measures. Enter Yes/No for questions 1 through 4 and enter the number (exigency 1, serious threat to human life 2, etc.) in the right column, Ranking Number Plus Modifier. Complete the Modifier portion by placing the alphabetic indicator a. through f. in the Modifier column. Complete the Ranking Number Plus Modifier column by entering the alphabetic indictor(s) that exists within the site. The number of the site designates the priority (e.g., a site with a designation of 2 is a higher priority that a site with a designation of 3). The modifiers increase the priority for the same numeric site (e.g., a site with a designation of 1a, would be a higher priority than a site with a designation of 1, a site with a designation of 2bc would be a higher priority than a site designated as 2b). Enter the Funding Priority in Section 1A.	NRCS completes with voluntary assistance from Sponsor.

	Explanation of Requested Item	**Who Completes**
Section 5	Enter the Findings, Rationale Supporting Findings, NRCS Representative signature and Comments, and Concurrence signature by the Sponsor(s).	NRCS completes.
5A	Indicate the preferred alternative and check the applicable finding being made. The NRCS Representative signs indicating the Finding selected. If the proposed action was adequately addressed in the PEIS, check all appropriate chapter paragraphs.	
5B	Explain the rationale for making the finding. Cite any references, analysis, data, or documents which support the finding. Add any additional pages or documents as necessary. To find that an action has been sufficiently analyzed in an existing NRCS environmental document, the document must cover an adequate description of the action proposed for implementation.	
5C	Enter any additional Comments.	
5D	Sponsor(s) review and concurrence.	Sponsor(s) signature.

Section 6	Include attachments for location map, site sketch or plan and other information as needed.	NRCS completes with voluntary assistance from Sponsor.

SECTION 6

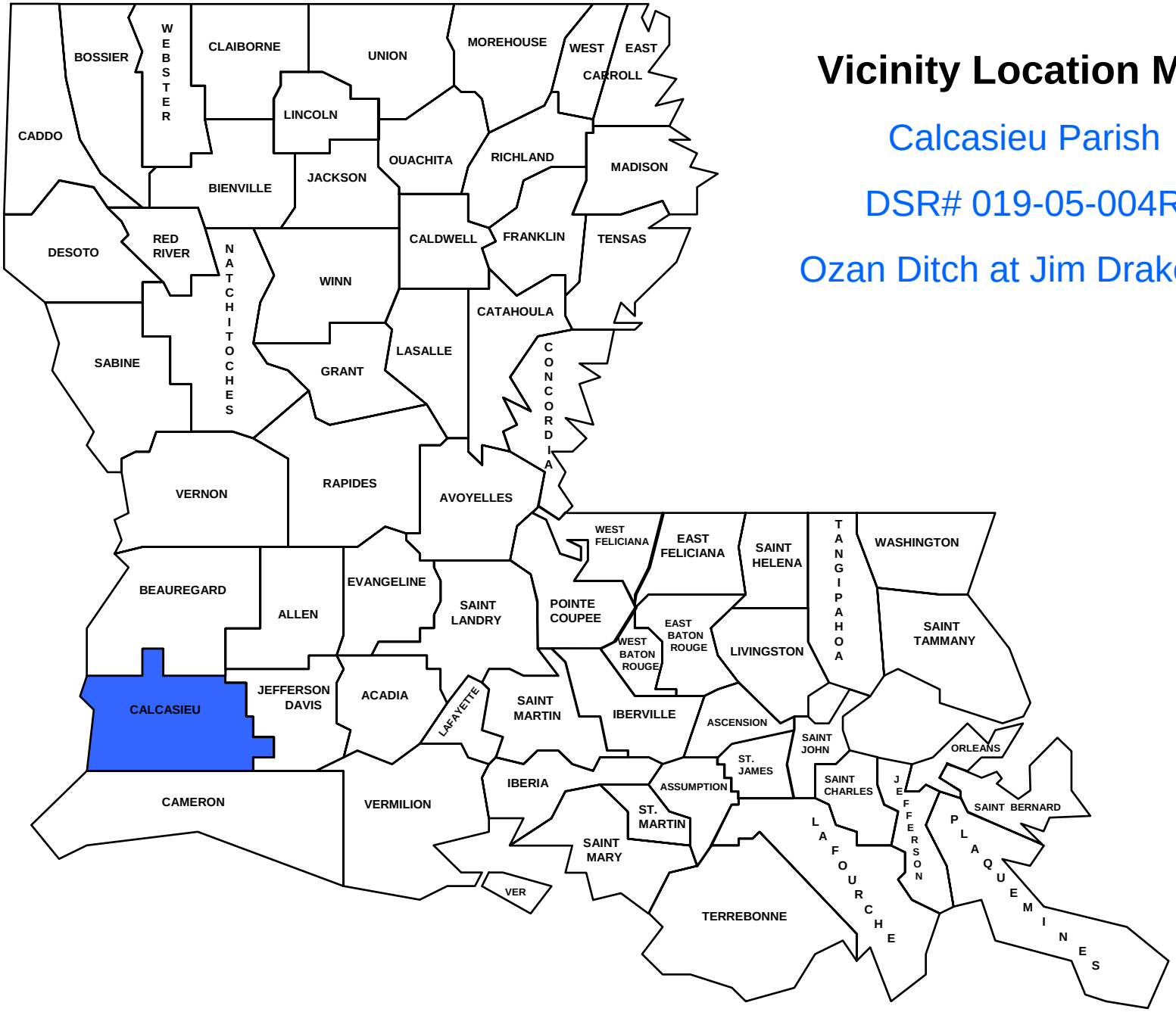
ATTACHMENTS

Vicinity Location Map

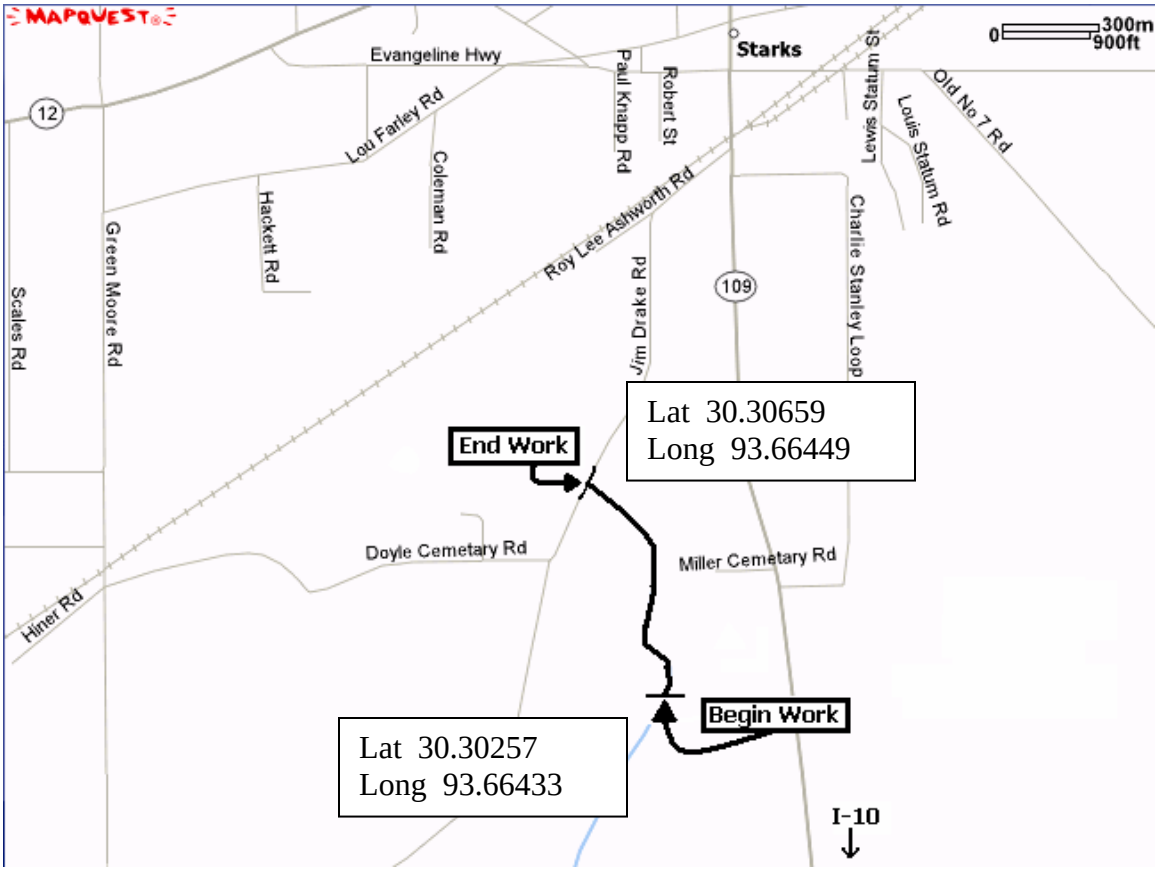
Calcasieu Parish

DSR# 019-05-004R

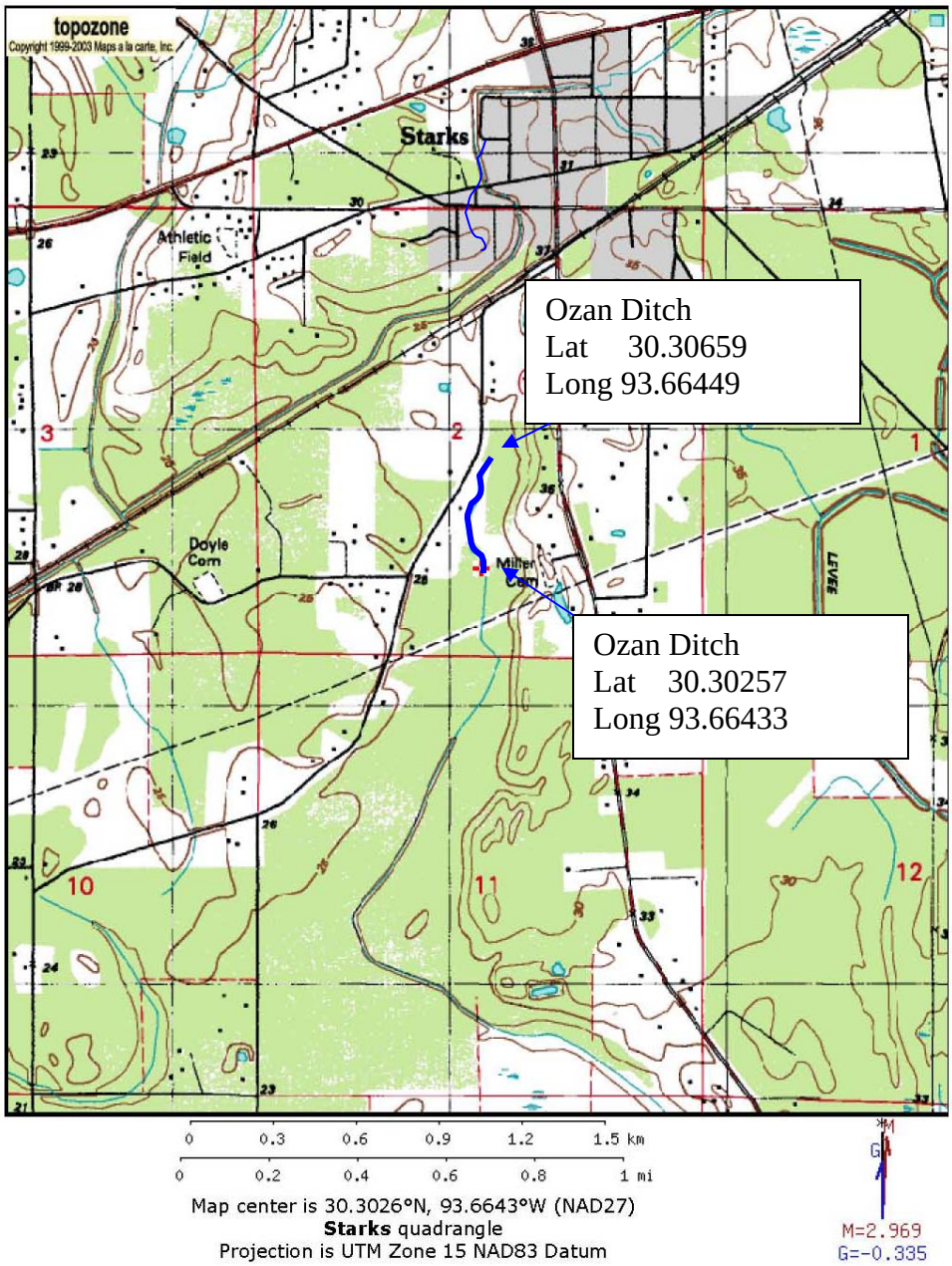
Ozan Ditch at Jim Drake Rd



SITE MAP
DSR 019-05-004R
Ozan Ditch at Jim Drake Rd
Calcasieu Parish
Estimated Reach Length 1,500 LF



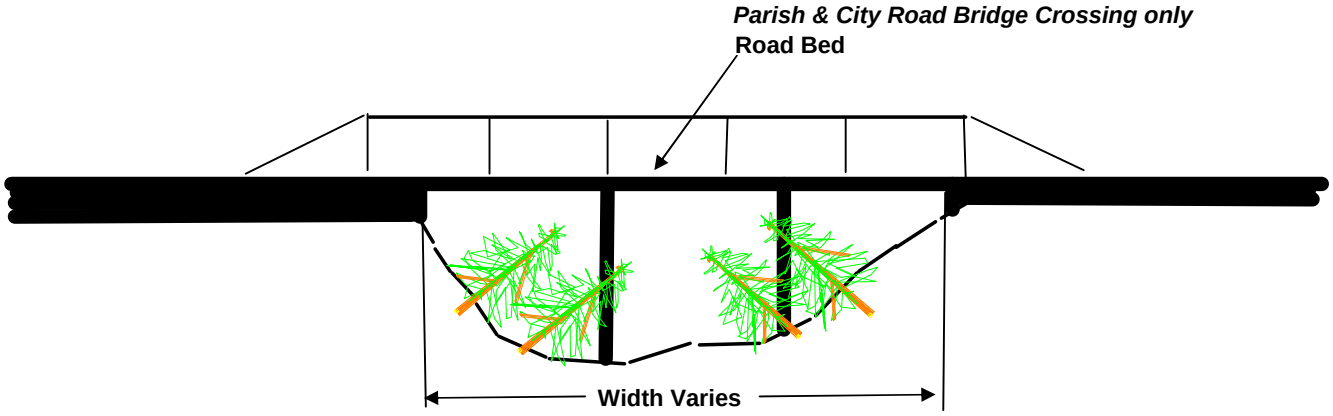
TOPO MAP
DSR 019-05-004R
Channel Ozan Ditch at Jim Drake Rd
Calcasieu Parish
Estimated Reach Length 1,500 LF



DSR NO: 019-05-004R

CHANNEL: Ozan Ditch at Jim Drake Rd

Debris Removal



Note: Contract is to remove Debris from upstream and downstream Bridge which includes underside of bridge
Exception: All Crossing which cross State or Federal highways are not included in contract

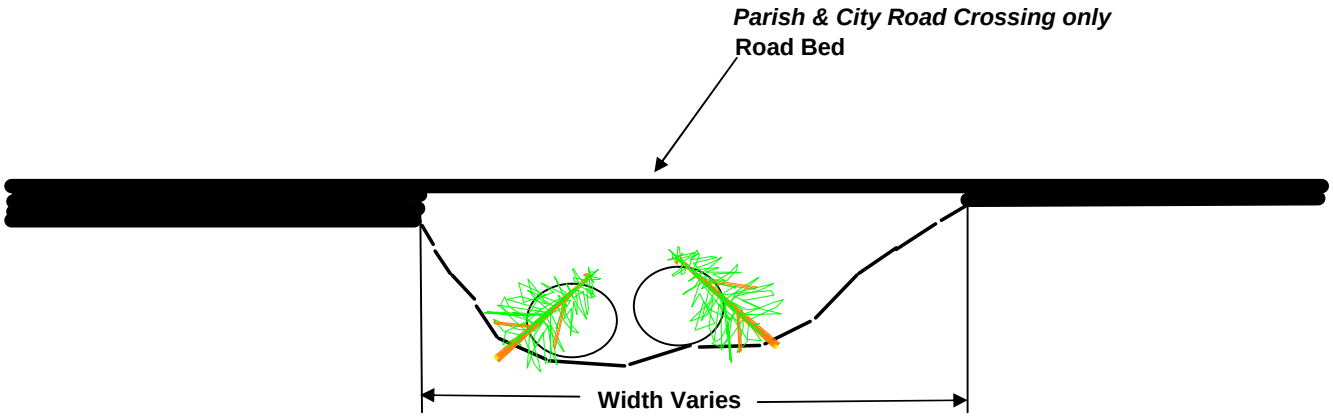
Typical Road Bridge Crossing
Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

DSR NO: 019-05-004R

CHANNEL: Ozan Ditch at Jim Drake Rd

Debris Removal



Note: Contract is to remove Debris from upstream and downstream Culverts which includes inside of culverts
Exception: All Crossing which cross State or Federal highways are not included in contract

Typical Road Culvert type Crossing
Not to Scale

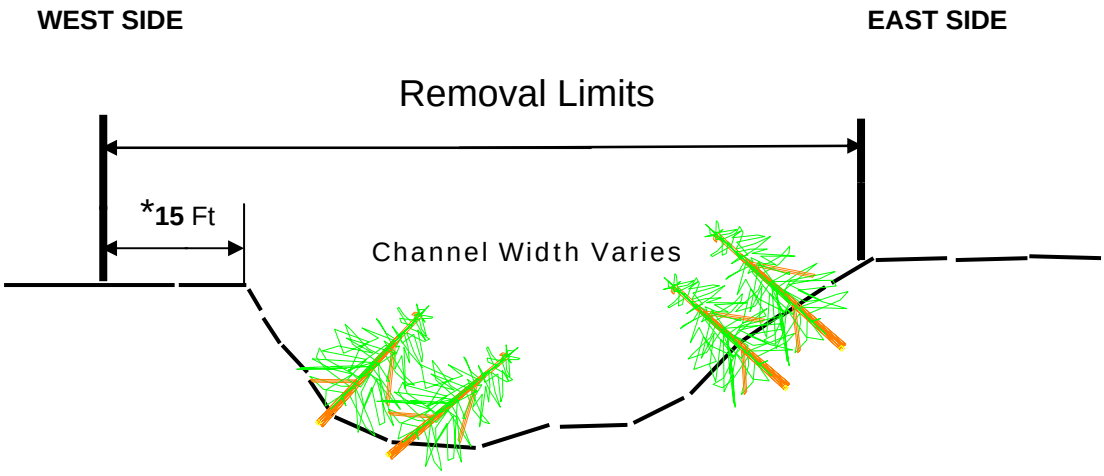
Notice:
48 Hours Before Digging
Call 1-800-272-3020

DSR NO: 019-05-004R

CHANNEL: Ozan Ditch at Jim Drake Road

PARISH/SPONSOR: Gravity Drainage District #6

Debris Removal



Typical Section Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

***Note** :Rights of way on west side only, except in locations where structures do not permit as concurred in by the COTR*

***Exception** it may be possible that trees which were located outside of the the rightaway may have fallen into the right of way, these trees will be remove which may be located outside of the right of way.*

Calcasieu Parish	**DSR No:** 019-05-004R	Selected Alternative
Ozan Ditch at Jim Drake Road	**Section 5 Engineering Cost Estimate Worksheet**	
Completed By: Rachel Manuel		**Date:** 9-Nov-05

Type of Work: Debris Removal

Location of Work:

Township(s)	Range(s)	Section(s)	Quadrangle(s)
9 South	13 W	2	Starks

	Latitude	*Longitude*
Downstream Start:	30.30257	93.66433
Upstream End:	30.30659	93.66449

Estimated Length of Work Segment (ft): 1,500

Item No.	Proposed Recovery Measure	Quantity	Units	Unit Cost	Amount
1	Mobilization & Demobilization	1	LS	$5,000.00	$5,000
2	Channel Obstruction Removal	1,500	LF	$28.00	$42,000
3	Seeding, Sprigging and Mulching	1	AC	$200.00	$200
4					$0
5					$0

Note: Estimated cost of debris removal includes labor and hauling of material to landfill.

Total Estimated Construction Cost **$47,200**

Performance Time:

Production Rate	Segment Length	Production Time	Contract Time
500 Ft/Day	1,500 Ft	3.00 Days	3 Days

Estimated Cost of Equipment with Labor ***(Per Mike Kennedy's Email 09/22/04)***

Description of Work:	Cost per LF
Heavy	$28.00

Estimated Cost of Seeding with Labor

Segment Length	Segment Width	No.of Segment	Acres	Cost per Ac	**Total Cost**
1,500 Ft.	15 Ft.	1	1	$200	$200

Comments:

Selected Alternative involves both of channel and 20 ft. of top bank on one side and removing only debris obstructing channel section, NOT floodplains.

Eng worksheet Preferred

	DSR No: 019-05-004R	Selected Alternative
Calcasieu Parish		
	Section 5 Engineering Cost Estimate Worksheet	
Ozan Ditch at Jim Drake Road		
Completed By: Rachel Manuel		**Date:** 9-Nov-05

Type of Work: Debris Removal

Location of Work:

Township(s)	Range(s)	Section(s)	Quadrangle(s)
9 South	13 W	2	Starks

	Latitude	*Longitude*
Downstream Start:	30.30257	93.66433
Upstream End:	30.30659	93.66449

Estimated Length of Work Segment (ft): 1,500

Item No.	Proposed Recovery Measure	Quantity	Units	Unit Cost	Amount
1	Mobilization & Demobilization	1	LS	$5,000.00	$5,000
2	Channel Obstruction Removal	1,500	LF	$28.00	$42,000
3	Seeding, Sprigging and Mulching	2	AC	$200.00	$400
4					$0
5					$0

Note: Estimated cost of debris removal includes labor and hauling of material to landfill.

Total Estimated Construction Cost **$47,400**

Performance Time:

Production Rate	Segment Length	Production Time	Contract Time
1000 Ft/Day	1,500 Ft	1.50 Days	2 Days

Estimated Cost of Equipment with Labor ***(Per Mike Kennedy's Email 09/22/04)***

Description of Work:	Cost per LF
Heavy	$28.00

Estimated Cost of Seeding with Labor

Segment Length	Segment Width	No.of Segment	Acres	Cost per Ac	**Total Cost**
1,500 Ft.	15 Ft.	2	2	$200	$400

Comments:

Alternative involves both sides of channel, 20 ft. of top bank on both sides, and removing only debris obstructing channel section, NOT floodplains.

Channel Obstruction Evaluation

SITE INFORMATION

Parish: CALCASIEU		Site: OZAN DITCH / JIM DRAKE Rd	
City: STARKS			
Sponsor:		Reach:	From -
Date: 10/27/05			To -
Evaluation Team: RACHEL MANUEL, Steve Tully, MIKE STURDIVANT			

PHOTO NUMBERS AND BRIEF DESCRIPTION

Photo #	Description
146	LOOKING TOWARD HOWARD RD
145	D/S OF ROAD
144	HOUSE NEAR CHANNEL (HIGH END)
143	HOUSE NEAR CHANNEL (LOW END)

WAYPOINTS

(CIRCLE location and record in Decimal Degrees) DDE

Start Work (D/S end)	N	30.30257	30.30659
Midstream			
End Work (U/S end)	W	93.66433	93.66449

NEARBY AND UPSTREAM STRUCTURES

(Fill in Numbers, Values, and Size)

CHURCHES		SCHOOLS		PUBLIC FACILITIES	
No. of Churches	0	No. of Schools	0	No. of Public Facilities	0

HOMESITES		BUSINESSES	
No. of Homesites	6	No. of Businesses	0
Average Value of Homes (X $1,000)		Size of Businesses	S M L

STREAM CROSSINGS

(CIRCLE type and write material, size and length)

TYPE	MATERIAL	NUMBER, SIZE, & LENGTH
Bridge	NONE SEEN	
Culverts		
Other or None		

UTILITIES

(CHECK the location of the utilities in the area and CIRCLE stream orientation)

	Overhead (Power, Cable, etc.)	U/S	D/S
	Buried (Gas, Sewer, water, etc.)	U/S	D/S
	Elevated Cross channel (Water, Gas, etc.)	U/S	D/S

Remarks: NONE SEEN

CHANNEL CHARACTERISTICS

(CHECK appropriate box for slope and fill in dimensions information)

SLOPES		DIMENSIONS	
	1.5 : 1 or steeper	Top Width (ft.)	25
X	1.5 : 1 through 3 : 1 Slope	Bottom Width (ft.)	12
	Flatter than 3 : 1	Depth (ft.)	4

FLOW

Is Water Flowing? YES (NO)

Is debris accumulating? (i.e. Leaves, Trash) (YES) NO

STATEMENT OF PROBLEM

(CHECK the boxes as needed, and CIRCLE the size of debris that applies)

DEBRIS	IN CHANNEL	ACROSS CHANNEL	SIZE OF DEBRIS		
Pine Trees	X	X	Light	Moderate	(Heavy)
Hardwoods	X	X			
Shrubs	X	X			

BLOCKAGE

% of X-Section Obstructed:

Less than 25% 26%-50%
51%-75% (76%-100%)

Other (explain) CHANNEL IS BLOCKED HEAVILY THROUGHOUT REACH

WORK METHOD AND LOCATION

(CHECK the box that best applies)

	Within Channel Floating Equipment (i.e. Barge or Marsh Buggy)
	Within Channel Non - Floating Equipment (Excavator/Track-hoe, Spider, etc)
X	From Top Banks

ACCESS TO SITE

(Explain access issues and possible difficulties)

MAY NEED TO TAKE TREES OFF OF ACCESS AREA
ACCESS FROM WEST SIDE