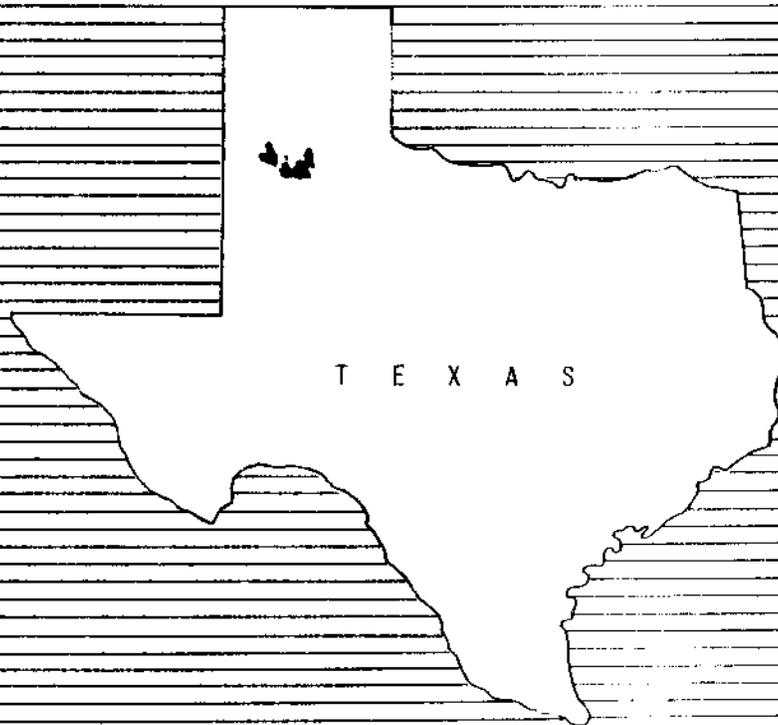


SUPPLEMENTAL
WORK PLAN

FOR WATERSHED PROTECTION AND FLOOD PREVENTION
**LOWER RUNNING WATER DRAW
WATERSHED**

Castro, Hale, Lamb and Swisher
Counties, Texas



November 1971

SUPPLEMENTAL WATERSHED WORK PLAN AGREEMENT

Between the

Hale County Soil and Water Conservation District
Local Organization

Lamb County Soil and Water Conservation District
Local Organization

Running Water Soil and Water Conservation District
Local Organization

Tule Creek Soil and Water Conservation District
Local Organization

Castro County Commissioners Court
Local Organization

Hale County Commissioners Court
Local Organization

Lamb County Commissioners Court
Local Organization

Swisher County Commissioners Court
Local Organization

City of Plainview
Local Organization

State of Texas
(hereinafter referred to as the Sponsoring Local Organization)

and the

Soil Conservation Service
United States Department of Agriculture
(hereinafter referred to as the Service)

Whereas, the Watershed Work Plan Agreement for the Lower Running Water Draw Watershed, State of Texas, executed by the Sponsoring Local Organizations named therein and the Service, became effective on the 28th day of May, 1970; and

Whereas, in order to carry out the watershed work plan for said watershed, it has become necessary to modify said Watershed Work Plan Agreement; and

Whereas, it has become necessary to modify the work plan to comply with the provisions of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (Public Law 91-646, 84th Stat. 1894); and

Whereas, it has been necessary to modify the watershed work plan to reflect current policy and terminology relative to engineering and project administration costs; and

Whereas, a Supplemental Watershed Work Plan which modifies the watershed work plan dated May 1968 for said watershed has been developed through the cooperative efforts of the Sponsoring Local Organization and the Service; which plan is annexed to and made a part of this agreement; and

Now, therefore, the Sponsoring Local Organization and the Service hereby agree upon the following modifications of the terms, conditions, and stipulations of said Watershed Work Plan Agreement:

1. A paragraph numbered 15 is added to read as follows:

The Sponsoring Local Organization will provide relocation advisory assistance services and make the relocation payments to displaced persons as required by the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (Public Law 91-646, 84th Stat. 1894) effective as of January 2, 1971, and the Regulations issued by the Secretary of Agriculture pursuant thereto. Prior to July 1, 1972, the Sponsoring Local Organization will comply with the real property acquisition policies contained in said Act and Regulations to the extent that they are legally able to do so in accordance with their State law. After July 1, 1972, the real property acquisition policies contained in said Act shall be followed in all cases.

The Service will bear 100 percent of the first \$25,000 of relocation payment costs for any person, business, or farm operation displaced prior to July 1, 1972. Any such costs for a single dislocation in excess of \$25,000 and all costs for relocation payments for persons displaced after July 1, 1972, will be shared by the Sponsoring Local Organization and the Service as follows:

	<u>Sponsoring Local Organization</u> (percent)	<u>Service</u> (percent)	<u>Estimated Relocation Payment Costs</u> (dollars)
Relocation Payments	77.38	22.62	8,000

2. Paragraph numbered 4 is modified to read as follows:

The percentages of the engineering costs to be borne by the Sponsoring Local Organization and the Service are as follows:

<u>Works of Improvement</u>	<u>Sponsoring Local Organization (percent)</u>	<u>Service (percent)</u>	<u>Estimated Engineering Costs (dollars)</u>
4 Floodwater Retarding Structures	0	100	27,222

3. Paragraph numbered 5 is modified to read as follows:

The Sponsoring Local Organization and the Service will each bear the costs of Project Administration which it incurs, estimated to be \$2,600 and \$72,073 respectively.

4. The Sponsoring Local Organization and the Service further agree to all other terms, conditions, and stipulations of said Watershed Work Plan Agreement not modified herein.

Hale County Soil and Water Conservation District

By [Signature]
Local Organization

Title [Signature]

Address Box 312 Shawnee, Ok 74072
Zip Code

Date 12/28/71

The signing of this agreement was authorized by a resolution of the governing body of the Hale County Soil and Water Conservation District

adopted at a meeting held on September 14, 1971
Local Organization

[Signature]
(Secretary, Local Organization)

Address Attn: [Signature]
Zip Code

Date 1-3-72

Lamb County Soil and Water Conservation District
Local Organization

By W. B. Jones
Title Chairman
Address Rt. 1, Anton, Texas 79313
Zip code
Date Dec. 23, 1971

The signing of this agreement was authorized by a resolution of the governing body of the Lamb County Soil and Water Conservation District Local Organization adopted at a meeting held on Sept. 14, 1971

Marvin A. Bowling
(Secretary, Local Organization)
Address Rt. 1, Sudan, Texas 79371
Zip Code
Date Dec. 23, 1971

Running Water Soil and Water Conservation District
Local Organization

By Edward B. Berman
Title Chairman
Address Rt. 1, Box 14 79068
Zip Code
Date January 13, 1972

The signing of this agreement was authorized by a resolution of the governing body of the Running Water Soil and Water Conservation District Local Organization adopted at a meeting held on September 13, 1971

Harold S. Pickenfeld
(Secretary, Local Organization)
Address Wagon, Tex. R. 1
Zip Code
Date 1-14-72

Tule Creek Soil and Water Conservation District
Local Organization

By E. E. Jones

Title Chairman

Address Happy, Texas 79042
Zip code

Date 1-20-72

The signing of this agreement was authorized by a resolution of the governing body of the Tule Creek Soil and Water Conservation District
Local Organization

adopted at a meeting held on Oct. 20, 1971

H. T. [Signature]
(Secretary, Local Organization)

Address Pt. S, Tulia, Texas 79088
Zip Code

Date 1-21-72

Castro County Commissioners Court
Local Organization

By Raymond [Signature]

Title County Judge

Address Dimmitt Tex. 79027
Zip Code

Date 1-6-72

The signing of this agreement was authorized by a resolution of the governing body of the Castro County Commissioners Court
Local Organization

adopted at a meeting held on Oct. 11, 1971

[Signature]
(Secretary, Local Organization)

Address Dimmitt, Texas 79027
Zip Code

Date 1-6-72

Hale County Commissioners Court
Local Organization

By Henry Kesh

Title County Judge

Address Courthouse

Date 12/28/71 Zip code

The signing of this agreement was authorized by a resolution of the governing body of the Hale County Commissioners Court Local Organization

adopted at a meeting held on 9-20-71

Mildred Tucker Cochran
(Secretary, Local Organization)

Address Administration Bldg 79072 Zip Code

Date 12-28-71

Lamb County Commissioners Court
Local Organization

By W. G. Sanders

Title County Judge

Address Box 206, Littlefield, Texas 79339 Zip Code

Date Dec. 22, 1971

The signing of this agreement was authorized by a resolution of the governing body of the Lamb County Commissioners Court Local Organization

adopted at a meeting held on Sept. 30, 1971

Mary Beth Willey
(Secretary, Local Organization)

Address Box 251 Littlefield Tex 79339 Zip Code

Date Dec. 22, 1971

Swisher County Commissioners Court
Local Organization

By Jack Lusk
Title County Judge
Address Tulia, TEXAS 79088
Zip Code
Date 1-20-72

The signing of this agreement was authorized by a resolution of the governing body of the Swisher County Commissioners Court
Local Organization

adopted at a meeting held on OCT 28 1971

[Signature]
(Secretary, Local Organization)

Address Tulia, TEXAS 79088
Zip Code
Date 1-20-72

City of Plainview
Local Organization

By Lou Ann Thomas
Title Mayor
Address Box 520-Plainview, Texas-79072
Zip Code
Date December 28, 1971

The signing of this agreement was authorized by a resolution of the governing body of the City of Plainview
Local Organization

adopted at a meeting held on Sept 20 1971

[Signature]
(Secretary, Local Organization)

Address Box 520 79072
Zip Code
Date 12/28/71

Soil Conservation Service
United States Department of Agriculture

By [Signature]
State Conservationist
Date 1-26-72

SUPPLEMENTAL
WATERSHED WORK PLAN
FOR
WATERSHED PROTECTION AND FLOOD PREVENTION

LOWER RUNNING WATER DRAW WATERSHED
Castro, Hale, Lamb, and Swisher Counties, Texas

Prepared Under the Authority of the Watershed
Protection and Flood Prevention Act, (Public
Law 566, 83rd Congress; 68 Stat. 666) as Amended.

Prepared BY:

Hale County Soil and Water Conservation District
Lamb County Soil and Water Conservation District
Running Water Soil and Water Conservation District
Tule Creek Soil and Water Conservation District
Castro County Commissioners Court
Hale County Commissioners Court
Lamb County Commissioners Court
Swisher County Commissioners Court
City of Plainview

With Assistance By:

U. S. Department of Agriculture
Soil Conservation Service

November 1971

SUPPLEMENTAL
WATERSHED WORK PLAN

Lower Running Water Draw Watershed
Castro, Hale, Lamb, and Swisher Counties, Texas

November 1971

PURPOSE OF THE SUPPLEMENTAL WORK PLAN

It has become necessary to modify the watershed work plan for Lower Running Water Draw Watershed to incorporate provisions for implementing the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970. In order to simplify the cost-sharing of relocation payments and set forth the provisions for providing relocation advisory assistance services, it is necessary to modify the watershed work plan to reflect current policy and terminology relative to engineering and project administration costs.

The following are changes and modifications made in appropriate parts of the watershed work plan.

Works of Improvement to be Installed

Under present conditions the acquisition of land rights needed for the installation of Floodwater Retrading Structure No. 1 will result in the displacement of one tenant family from one dwelling and the movement of the contents of one barn. The installation of Floodwater Retarding Structure No. 2 will result in the displacement of one tenant family from one dwelling.

No other displacement or relocation is apparent at this time. However, if other relocations become necessary, relocation payments will be cost-shared in accordance with percentages shown in the work plan agreement.

Explanation of Installation Costs

The total costs for apparent eligible relocation payments resulting from dislocations indicated under "Works of Improvements To Be Installed" are estimated to be \$8,000. After July 1, 1972, the share of these costs to be borne by Public Law 566 funds is 22.62 percent and the share to be borne by other funds is 77.38 percent, and are based upon the ratio of Public Law 566 funds and other funds to the total project costs less relocation payments. For those displacements prior to July 1, 1972, Public Law 566 funds will provide the first \$25,000 for each displacement.

Engineering services costs consist of, but are not limited to, detailed surveys, geologic investigations, laboratory analyses, reports, designs, and cartographic services.

Public Law 566 project administration costs consist of construction inspection, maintenance of records and accounts, contract administration and assistance to Castro County in providing relocation advisory assistance.

The local costs for project administration include sponsors' costs relative to contract administration, overhead and organizational costs, whatever construction inspection they desire to make at their own expense, and all relocation advisory assistance services costs. Costs for providing relocation advisory assistance services are estimated to amount to \$600.

Comparison of Costs and Benefits

The total average annual cost of structural measures (amortized total installation costs, plus operation and maintenance) is \$51,301. These measures are expected to produce average annual benefits, excluding secondary benefits of \$107,403, resulting in a benefit to cost ratio of 2.1:1.0. The ratio of total average annual project benefits accruing to structural measures, \$111,675, to the average annual cost of structural measures, \$51,301, is 2.2:1.0 (revised table 6).

Project Installation

Castro County is responsible for providing relocation advisory assistance services and relocation costs associated with both Floodwater Retarding Structures Nos. 1 and 2. The Castro County Commissioners Court, through its own facilities, or by contract with a fully qualified government agency, will (1) provide personally, or by first class mail, written notice of displacement and appropriate application forms to each displaced person or business, (2) give displaced persons notice to vacate at least 90 days prior to the date they must move, (3) assist in filing applications, (4) review and approve applications for relocation assistance, (5) review and process grievances in connection with displacements, and (6) make relocation payments.

The Castro County Commissioners Court will provide such measures, facilities, or services as may be necessary or appropriate in order to (1) determine the need, if any, of displaced persons for relocation assistance, (2) provide current and continuing information on the availability, prices, and rentals of comparable decent, safe, and sanitary sale and rental housing, and of comparable commercial properties and locations for displaced businesses and farm operations, (3) assure, that within a reasonable period of time prior to displacement, replacement dwellings will be available, (4) assist a displaced person displaced from his business or farm operation in obtaining and becoming established in a suitable replacement location, (5) supply information concerning housing programs, disaster loan programs, and other Federal or State programs offering assistance to displaced persons, (6) provide other advisory services to displaced persons in order to minimize hardships to such persons in adjusting to relocation, (7) advise displaced persons

that they should notify the displacing agency before they move, and (8) prior to initiation of acquisition, provide persons from whom it is planned to acquire land a brochure or pamphlet outlining the benefits to which they may be entitled.

Construction of any floodwater retarding structure causing a displacement will not be initiated until decent, safe, and sanitary replacement housing is available for all displaced families.

Financing Project Installation

The local share of costs for relocation payments and all project administration costs for relocation advisory assistance services will be borne by the Castro County Commissioners Court which has adequate funds available from tsx resources.

REVISED TABLE 1 - ESTIMATED PROJECT INSTALLATION COST

Lower Running Water Draw Watershed, Texas

Installation Cost Item	Unit	No. to be Applied Non-Federal Land ^{2/}	Estimated Cost Dollars ^{1/}		
			Public Law Funds	Other Funds	Total
LAND TREATMENT					
Cropland	Acre	45,341	-	998,791	998,791
Pasture	Acre	8,001	-	456,400	456,400
Rangeland	Acre	1,996	-	3,544	3,544
Technical Assistance			40,748	192,097	232,845
TOTAL LAND TREATMENT			40,748	1,650,832	1,691,580
STRUCTURAL MEASURES					
<u>Construction</u>					
Soil Conservation Service Floodwater Retarding Structures	No.	4	468,040	-	468,040
Subtotal - Construction			468,040	-	468,040
<u>Engineering Services</u>					
Soil Conservation Service			27,222	-	27,222
Subtotal - Engineering			27,222	-	27,222
<u>Relocation Payments</u>					
Soil Conservation Service			1,810	6,190	8,000
Subtotal - Relocation Payments			1,810	6,190	8,000
<u>Project Administration</u>					
Soil Conservation Service Relocation Advisory Assistance Services			-	600	600
Construction Inspection			31,903	400	32,303
Other			40,170	1,600	41,770
Subtotal - Administration			72,073	2,600	74,673
<u>Other Costs</u>					
Land Rights			-	426,750	426,750
Subtotal - Other			-	426,750	426,750
TOTAL STRUCTURAL MEASURES			569,145	435,540	1,004,685
TOTAL PROJECT			609,893	2,086,372	2,696,265

^{1/} Price Base: 1971

^{2/} For Land Treatment: Acres to be treated during installation period.

November 1971

REVISED TABLE 2 - ESTIMATED STRUCTURAL COST DISTRIBUTION

Lower Running Water Draw Watershed, Texas

(Dollars) 1/

Item	Installation Cost - Public Law 566 Funds		Installation Cost - Other Funds		Total Installation Cost		
	2/	Total	2/	Total			
	Construction	Engineering	Relocation	Payments	Land Rights	Other	Total
Floodwater Retarding Structures							
1	118,839	7,130	1,154	127,123	3,946	81,600	212,669
2	122,052	7,323	656	130,031	2,244	89,650	221,925
3	156,577	7,829	-	164,406	-	191,175	355,581
4	70,572	4,940	-	75,512	-	64,325	139,837
Subtotal	468,040	27,222	1,810	497,072	6,190	426,750	930,012
Project Administration	xxx	xxx	xxx	72,073	xxx	xxx	74,673
GRAND TOTAL	468,040	27,222	1,810	569,145	6,190	426,750	1,004,685

1/ Price Base: 1971

2/ Relocation payments for displacements prior to July 1, 1972, will be shared as provided in PL-91-646 and in paragraph numbered 1 of the Supplemental Watershed Work Plan Agreement.

November 1971

REVISED TABLE 4 - ANNUAL COST

Lower Running Water Draw Watershed, Texas

(Dollars) 1/

Evaluation Unit	:Amortization : : of : :Installation : : Cost 2/ :	: Operation : : and : : Maintenance : : Cost :	: Total
Floodwater Retarding Structures Nos. 1 through 4 <u>3/</u>	45,729	1,900	47,629
Project Administration	3,672	xxx	3,672
GRAND TOTAL	49,401	1,900	51,301

1/ Price Base: Installation - 1971, O&M - Adjusted normalized prices, April 1966.

2/ 100 years at 4.875 percent interest.

3/ Interrelated measures.

November 1971

REVISED TABLE 5 - ESTIMATED AVERAGE ANNUAL FLOOD DAMAGE REDUCTION BENEFITS

Lower Running Water Draw Watershed, Texas

(Dollars) 1/

Item	Estimated Average Annual Damages		Damage Reduction Benefits
	Without Projects	With Projects	
Floodwater			
Crop and Pasture	42,329	14,989	27,340
Other Agricultural	10,507	1,990	8,517
Nonagricultural			
Road and Bridge	13,850	2,246	11,604
Urban <u>2/</u>	304,100	195,000	109,100
Subtotal	370,786	214,225	156,561
Sediment			
Overbank Deposition	8,823	503	8,320
Erosion			
Flood Plain Scour	5,688	659	5,029
Indirect	8,120	2,039	6,081
TOTAL	393,417	217,426	175,991 <u>3/</u>

1/ Price Base: Adjusted normalized prices, April 1966.

2/ Urban benefits allocated to floodwater retarding structures in Lower Running Water Draw and Running Water Draw watersheds based on detailed studies by the Corps of Engineers. The remaining damages will be reduced to \$53,800 when structural measures planned by the Corps are installed.

3/ \$78,664 of this amount will accrue to the flood prevention project to be installed in the Running Water Draw watershed.

November 1971

REVISED TABLE 6 - COMPARISON OF BENEFITS AND COSTS FOR STRUCTURAL MEASURES

Lower Running Water Draw Watershed, Texas

(Dollars)

Evaluation Unit	Damage	Average Annual Benefits <u>1/</u>		Secondary	Total	Average	
		Flood Prevention	Incidental			Annual Cost	Benefit Cost Ratio
Floodwater Retarding Structures Nos. 1 through 4	89,693	17,710	4,272	111,675	47,629	2.3:1	
Project Administration	xxx	xxx	xxx	xxx	3,672		
GRAND TOTAL	89,693 <u>3/</u>	17,710	4,272	111,675	51,301	2.2:1	

1/ Price Base: Adjusted normalized prices, April 1966.

2/ From Table 4.

3/ In addition, it is estimated that land treatment measures will provide \$7,634 damage reduction benefits in the flood plain.

November 1971