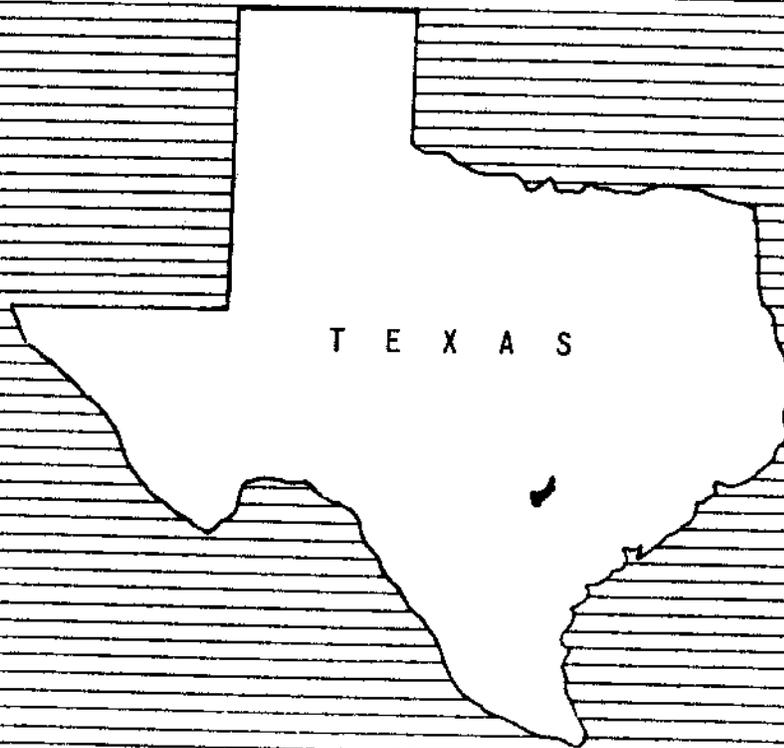


SUPPLEMENTAL WORK PLAN NUMBER I
FOR
WATERSHED PROTECTION AND FLOOD PREVENTION

NORTH CUERO WATERSHED

DeWITT COUNTY, TEXAS



November 1971

SUPPLEMENTAL WATERSHED WORK PLAN AGREEMENT NO. 1

Between the

DeWitt County Soil and Water Conservation District
Local Organization

DeWitt County Commissioners Court
Local Organization

DeWitt County Drainage District No. 1
Local Organization

City of Cuero
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 North Cuero Watershed, State of Texas, executed by the Sponsoring Local Organization named therein and the Service, became effective on the 3rd day of April 1967; 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 watershed 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 project administration costs; and

Whereas, a Supplemental Work Plan No. I which modifies the Watershed Work Plan dated July 1966 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 Supplemental 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 | 37.71 | 62.29 | 2,850 |

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</u> (percent) | <u>Service</u> (percent) | <u>Estimated Engineering Costs</u> (dollars) |
|---------------------------------|---|-----------------------------|---|
| All Structural Measures | 0 | 100.00 | 25,776 |

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 \$3,800 and \$56,369 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.

DeWitt County Soil and Water Conservation District
Local Organization

By *Richard W. Jones*
Title *Chairman*
Address *Rt 3 Graham Tex 77995* Zip code
Date *Dec 2, 1971*

The signing of this agreement was authorized by a resolution of the governing body of the DeWitt County Soil and Water Conservation District Local Organization adopted at a meeting held on *Dec 2, 1971*

William P. ...
(Secretary, Local Organization)
Address *Rt 3 Graham Tex* Zip Code
Date *12-2-71*

DeWitt County Commissioners Court
Local Organization

By *George W. ...*
Title *Co. Judge*
Address *910 ... Tex 77954* Zip Code
Date *12-13-71*

The signing of this agreement was authorized by a resolution of the governing body of the DeWitt County Commissioners Court Local Organization adopted at a meeting held on *12-13-71*

Louise ...
(Secretary, Local Organization)
Address *71 Courthouse ... Tex 77954* Zip Code
Date *12-13-71*

DeWitt County Drainage District No. I
Local Organization

By [Signature]

Title Chairman

Address 206 W. Bluff Zip Code

Date 12-3-71

The signing of this agreement was authorized by a resolution of the governing body of the DeWitt County Drainage District No. I Local Organization adopted at a meeting held on December 3, 1971

[Signature]
(Secretary, Local Organization)

Address 1400 N. Hunt - 77904 Zip Code

Date Dec 3 - 1971

City of Cuero
Local Organization

By [Signature]

Title Mayor

Address P.O. Box 512, Cuero, Texas 77954 Zip Code

Date December 7, 1971

The signing of this agreement was authorized by a resolution of the governing body of the City of Cuero Local Organization adopted at a meeting held on December 7, 1971

O.K. [Signature]
City Attorney

[Signature]
(Secretary, Local Organization)

Address P.O. Box 512, Cuero, Texas 77954 Zip Code

Date December 7, 1971

Soil Conservation Service
United States Department of Agriculture

By [Signature]
State Conservationist

Date 12/20/71

SUPPLEMENTAL
WATERSHED WORK PLAN NO. I
For
WATERSHED PROTECTION AND FLOOD PREVENTION

NORTH CUERO WATERSHED
DeWitt County, 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:

DeWitt County Soil and Water Conservation District
(Sponsor)

DeWitt County Commissioners Court
(Sponsor)

DeWitt County Drainage District No. 1
(Sponsor)

City of Cuero
(Sponsor)

With Assistance By:

U.S. Department of Agriculture
Soil Conservation Service
November 1971

SUPPLEMENTAL
WATERSHED WORK PLAN NO. I

NORTH CUERO WATERSHED
DeWitt County, Texas
November 1971

PURPOSE OF THE SUPPLEMENTAL WORK PLAN

It has become necessary to modify the watershed work plan for North Cuero 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 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 Stream Channel Improvement No. III will result in the displacement of one owner-occupied 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 displacements indicated under "Works of Improvement To Be Installed", are estimated to be \$2,850. After July 1, 1972, the share of these costs to be borne by Public Law 566 funds is 62.29 percent and the share to be borne by other funds is 37.71 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 the DeWitt County Commissioners Court in providing relocation advisory assistance.

The local costs for project administration includes 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 service costs. Local costs for providing relocation advisory assistance services are estimated to be \$300 and will be borne entirely by the DeWitt County Commissioners Court.

Comparison of Costs and Benefits

The total average annual cost of structural measures (amortized total installation cost, plus operation and maintenance) is \$17,563. These measures are expected to produce average annual benefits, excluding secondary benefits of \$18,574, resulting in a benefit to cost ratio of 1.1:1.0. The ratio of total average annual project benefits, accruing to structural measures (\$20,179) to the average annual cost of structural measures (\$17,563) is also 1.1:1.0 (revised table 6).

Project Installation

The DeWitt County Commissioners Court through its own facilities and staff, 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, (2) give each displaced person 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 DeWitt County Commissioners Court, or its contracted agent, 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 grade stabilization structure or stream channel improvement measure 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 DeWitt County Commissioners Court which has adequate funds available from tax resources.

REVISED TABLE 1 - ESTIMATED PROJECT INSTALLATION COST
North Cuero Watershed, Texas

| Installation Cost Item | Unit | Estimated Cost (Dollars) 1/ | | | Total |
|---|-------|-----------------------------|-------------|-------------|---------|
| | | Land | Land | Land | |
| | | | Public Law | Other | |
| | | No. to be Applied | 566 Funds | Funds | |
| | | Non-Federal | Non-Federal | Non-Federal | |
| <u>LAND TREATMENT</u> | | | | | |
| Cropland | Acre | 1,270 | - | 26,739 | 26,739 |
| Pasture and Hayland | Acre | 1,850 | - | 87,752 | 87,752 |
| Rangeland | Acre | 3,100 | - | 25,221 | 25,221 |
| Technical Assistance | | | 2,703 | 2,540 | 5,243 |
| TOTAL LAND TREATMENT | | | 2,703 | 142,252 | 144,955 |
| <u>STRUCTURAL MEASURES</u> | | | | | |
| <u>Construction</u> | | | | | |
| Soil Conservation Service | | | | | |
| Floodwater Retarding Structures | No. | 2 | 121,995 | - | 121,995 |
| Channel Improvement | Miles | 7.1 | 130,047 | - | 130,047 |
| Grade Stabilization Structures | No. | 2 | 36,475 | - | 36,475 |
| Dike | Feet | 4,371 | 8,348 | - | 8,348 |
| Subtotal - Construction | | | 296,865 | - | 296,865 |
| <u>Engineering Services</u> | | | | | |
| Soil Conservation Service | | | 25,776 | - | 25,776 |
| Subtotal - Engineering Services | | | 25,776 | - | 25,776 |
| <u>Relocation Payments</u> | | | | | |
| Soil Conservation Service | | | 1,775 | 1,075 | 2,850 |
| Subtotal - Relocation Payments | | | 1,775 | 1,075 | 2,850 |
| <u>Project Administration</u> | | | | | |
| Soil Conservation Service | | | | | |
| Relocation Advisory Assistance Services | | | - | 300 | 300 |
| Construction Inspection | | | 29,291 | 876 | 30,167 |
| Other | | | 27,078 | 2,624 | 29,702 |
| Subtotal - Administration | | | 56,369 | 3,800 | 60,169 |
| <u>Other Costs</u> | | | | | |
| Land Rights | | | - | 85,040 | 85,040 |
| Subtotal - Other | | | - | 85,040 | 85,040 |
| TOTAL STRUCTURAL MEASURES | | | 380,785 | 89,915 | 470,700 |
| TOTAL PROJECT | | | 383,488 | 232,167 | 615,655 |

1/ Price Base: 1971 prices except for structural measures constructed which are actual cost.

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REVISED TABLE 2 - ESTIMATED STRUCTURAL COST DISTRIBUTION

North Cuero Watershed, Texas

(Dollars) 1/

| Item | Installation Cost - Public Law 566 Funds | | | | Installation Cost - Other Funds | | | | Total Installation Cost |
|--|--|-------------|------------------------|-------------------------|---------------------------------|----------------|--------|---------|-------------------------------|
| | Construction | Engineering | Relocation Payments | Total Public Law 566 | Relocation Payments | Land Rights | Other | Total | |
| Floodwater Retarding Structures Nos. 1 and 2 and Grade Stabilization Structure No. 102 2/ | 144,318 | 11,399 | - | 155,717 | - | 13,200 | 13,200 | 168,917 | |
| Channel Improvement 1 and 1A | 12,130 | 1,698 | - | 13,828 | - | 8,650 | 8,650 | 22,478 | |
| 11 | 35,512 | 3,551 | - | 39,063 | - | 12,520 | 12,520 | 51,583 | |
| 111 and 111A | 82,405 | 5,978 | 1,775 | 90,158 | 1,075 | 49,320 | 50,395 | 140,553 | |
| Subtotal | 130,047 | 11,227 | 1,775 | 143,049 | 1,075 | 70,490 | 71,565 | 214,614 | |
| Grade Stabilization Structure 101 | 14,152 | 1,981 | - | 16,133 | - | 350 | 350 | 16,483 | |
| Dike | 8,348 | 1,169 | - | 9,517 | - | 1,000 | 1,000 | 10,517 | |
| Subtotal Watershed | 296,865 | 25,776 | 1,775 | 324,416 | 1,075 | 85,040 | 86,115 | 410,531 | |
| Project Administration | xxx | xxx | xxx | 56,369 | xxx | xxx | 3,800 | 60,169 | |
| GRAND TOTAL | 296,865 | 25,776 | 1,775 | 380,785 | 1,075 | 85,040 | 89,915 | 470,700 | |

1/ Price Base: 1971 prices except for structural measures constructed which are actual cost.

2/ Constructed

3/ Includes \$3,500 for legal fees.

4/ 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.

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REVISED TABLE 4 - ANNUAL COST

North Cuero Watershed, Texas

(Dollars) 1/

| Evaluation Unit | : Amortization : of : Installation : Cost <u>2/</u> | : Operation : and : Maintenance : Cost | : Total |
|--|--|---|---------------|
| Floodwater Retarding Structures Nos. 1 and 2, 7.1 Miles of Stream Channel Improvement, Grade Stabilization Structures Nos. 101 and 102, and 4,371 feet of Dike <u>3/</u> | 13,449 | 2,143 | 15,592 |
| Project Administration | 1,971 | xxx | 1,971 |
| GRAND TOTAL | 15,420 | 2,143 | 17,563 |

1/ Price Base: Installation - 1971 prices except for structural measures constructed which are actual cost; Operation and Maintenance - long-term prices as projected by ARS, September 1957 and includes \$43 replacement cost for grade stabilization structures that are to be replaced once during the 100-year period of project life.

2/ 100-years at 3.125 percent.

3/ Interrelated measures.

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

North Cuero Watershed, Texas

(Dollars)

| Evaluation Unit | Average Annual Benefits ^{1/} | | | Average | Benefit Cost Ratio |
|--|---------------------------------------|---------------------|--------|---------------------------------|--------------------------|
| | Damage Reduction | Secondary | Total | Annual Cost ^{2/} | |
| Floodwater Retarding Structures Nos. 1 and 2, 7.1 miles of Stream Channel Improvement, Grade Stabilization Structures Nos. 101 and 102, and 4,371 feet of Dike | 18,574 | 1,605 | 20,179 | 15,592 | 1.3:1.0 |
| Project Administration | xxx | xxx | xxx | 1,971 | xxx |
| GRAND TOTAL | 18,574 | ^{3/} 1,605 | 20,179 | 17,563 | 1.1:1.0 |

^{1/} Price Base: Long-term prices as projected by ARS, September 1957.

^{2/} From Table 4.

^{3/} In addition, it is estimated that land treatment measures will provide flood damage reduction benefits of \$1,901 annually.

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