

**SUPPLEMENTAL WORK PLAN AGREEMENT**  
**FOR**  
**WATERSHED PROTECTION AND FLOOD PREVENTION**

**SAN DIEGO-ROSITA CREEKS WATERSHED**  
**Duval and Jim Wells Counties, Texas**

**October 1964**

SUPPLEMENTAL WATERSHED WORK PLAN AGREEMENT

between the

Agua Poquita Soil Conservation District  
Local Organization

San Diego-Agua Dulce Soil Conservation District  
Local Organization

Duval County Commissioners Court  
Local Organization

Jim Wells County Commissioners Court  
Local Organization

Nueces County Commissioners Court  
Local Organization

In the 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 San Diego-Rosita Creeks Watershed, State of Texas, executed by the Sponsoring Local Organization named herein and the Service, became effective on April 8, 1959; and

Whereas, there has been a significant change in the estimated project costs. It was deemed advisable to reaffirm the economic feasibility of the project; and

Whereas, a supplemental watershed work plan, which modifies the watershed work plan dated May, 1958, for said watershed has been developed through cooperative efforts of the Sponsoring Local Organization and the Service, which plan is annexed 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. Paragraph numbered 3 is changed to read as follows:

The percentages of construction costs for structural measures for flood prevention to be paid by the Sponsoring Local Organization and by the Service are as follows:

<u>Works of Improvement</u>	<u>Sponsoring Local Organization</u> (percent)	<u>Service</u> (percent)	<u>Estimated Construction Cost</u> (dollars)
11 Floodwater Retarding Structures	0	100	1,339,167

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

The Service will bear the cost of all installation services applicable to works of improvement for flood prevention (Estimated Cost \$465,551.)

The Sponsoring Local Organization will bear the cost of all installation services applicable to works of improvement for purposes other than flood prevention. (None anticipated.)

3. Tables 1, 2, 6, 7 and 8 referred to in the watershed work plan are modified to conform with Tables 1, 2, 4, 5, and 6 (Revised) attached.
4. The costs shown in this agreement represent preliminary estimates. In determining the final costs to be borne by the parties hereto, the actual costs incurred in the installation of works of improvement will be used.
5. This agreement does not constitute a financial document to serve as a basis for the obligation of Federal funds, and financial and other assistance to be furnished by the Service in carrying out the watershed work plan is contingent on the appropriation of funds for this purpose.

The program conducted will be in compliance with all requirements respecting non-discrimination as contained in the Civil Rights Act of 1964 and the regulations of the Secretary of Agriculture (7C.F.R. Sec. 15.1 - 15.13), which provide that no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any activity receiving Federal financial assistance.

All terms, conditions and stipulations of the Watershed Work Plan Agreement and annexed Watershed Work Plan remain unchanged, except as modified by this Supplemental Work Plan Agreement and Annexed Supplemental Work Plan, which is hereby made a part of this Agreement.

Agua Poquita Soil Conservation District  
Local Organization

By *Juan Bautista*

Title *Chairman*

Date *3-11-65*

The signing of this agreement was authorized by a resolution of the governing body of the Agua Poquita Soil Conservation District  
Local Organization

adopted at a meeting held on *3-11-65*

*Rosendo Alvarez*  
(Secretary, Local Organization)

Date *3-11-65*

San Diego-Agua Dulce Soil Conservation District  
Local Organization

By *B.M. Allen*

Title *Vice Chairman*

Date *February 23, 1965*

The signing of this agreement was authorized by a resolution of the governing body of the San Diego-Agua Dulce Soil Conservation District  
Local Organization

adopted at a meeting held on *February 23, 1965*

*William B. White*  
(Secretary, Local Organization)

Date *Feb. 23, 1965*

Duval County Commissioners Court  
Local Organization

By *Richard Pinn*

Title *County Judge*

Date *3-1-65*

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

Local Organization

adopted at a meeting held on *3-1-65*

*Albert Garcia So. Clerk Duval Co. 7*  
(Secretary, Local Organization)

Date *3-1-65*

By *G. C. Ryznar, Jr. Rep. 1*

Jim Wells County Commissioners Court  
Local Organization.

By *J. L. H. ...*

Title *County Judge*

Date *3-19-65*

The signing of this agreement was authorized by a resolution of the governing body of the Jim Wells County Commissioners Court

Local Organization

adopted at a meeting held on *March 19-65*

By *Louisa Carrero, Deputy*  
(Secretary, Local Organization)

Date *3-19-65*

Nueces County Commissioners Court  
Local Organization

By

Title

Date

*Walter ...*  
*County Judge*  
*March 9, 1965*

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

adopted at a meeting held on \_\_\_\_\_

*March 9, 1965*  
*Miss Henry C. Gause, County Clerk*  
*Nueces County, Texas*  
*By ...*  
(Secretary, Local Organization)

Date

*3-9-65*

Local Organization

By

Title

Date

The signing of this agreement was authorized by a resolution of the governing body of the \_\_\_\_\_

Local Organization

adopted at a meeting held on \_\_\_\_\_

(Secretary, Local Organization)

Date

Soil Conservation Service  
United States Department of Agriculture

By

State Conservationist

Date

SUPPLEMENTAL  
WATERSHED WORK PLAN  
San Diego-Rosita Creeks Watershed  
Duval and Jim Wells Counties, Texas  
October 1964

Purpose

Field cost estimates presented in the SCS-207, dated March 1, 1964, reflect 1964 costs and show a significant change in estimated costs for the San Diego-Rosita Creeks Watershed project. In view of the revised cost estimates, project benefits have been reevaluated to reaffirm economic feasibility of the project.

Summary

Revised Tables 1, 2, 4, 5, and 6 (attached) were prepared using the increased estimated total project costs contained in the SCS-207 Field Cost Estimates for the project, where applicable. Project benefits, based on long-term price levels, were evaluated for all structural works of improvement.

The average annual primary benefits accruing to structural measures are \$79,391 (Table 6).

Net secondary benefits in the amount of \$6,961 will result from the project.

A comparison of the total average annual project benefits (\$86,352) with the average annual cost for all structural measures (\$73,084) show a benefit-cost ratio of 1.2:1.

**TABLE 1 - ESTIMATED PROJECT INSTALLATION COST 1/**  
**San Diego-Rosita Creeks Watershed, Texas**  
**Price Base: 1964**

Installation Cost Item	Unit	No. to be Applied		Estimated Cost		
		Non-Federal Land	Public Law Funds	Other Funds	Total	
			(dollars)	(dollars)	(dollars)	
<b>LAND TREATMENT FOR Watershed Protection</b>						
<b>Soil Conservation Service</b>						
Contour Farming	Acre	1,910	-	955		955
Cover Cropping	Acre	3,749	-	29,992		29,992
Crop Residue Utilization	Acre	11,524	-	23,048		23,048
Rotation Hay & Pasture	Acre	2,142	-	12,852		12,852
Brush Control	Acre	60,000	-	600,000		600,000
Proper Use	Acre	88,232	-	220,580		220,580
Range Seeding	Acre	50,000	-	220,000		220,000
Pasture Planting	Acre	571	-	3,426		3,426
Diversion Construction	Mile	5	-	3,422		3,422
Pond Construction	Each	16	-	12,800		12,800
Terraces	Mile	60	-	12,000		12,000
Waterway Development	Acre	50	-	1,000		1,000
Technical Assistance			25,000	38,600		63,600
SCS Subtotal			25,000	1,178,675		1,203,675
<b>TOTAL LAND TREATMENT</b>			<b>25,000</b>	<b>1,178,675</b>		<b>1,203,675</b>
<b>STRUCTURAL MEASURES</b>						
<b>Soil Conservation Service</b>						
<b>Floodwater Retarding</b>						
Structures	No.	11	1,339,167	-		1,339,167
SCS Subtotal			1,339,167	-		1,339,167
<b>Subtotal - Construction</b>			<b>1,339,167</b>	<b>-</b>		<b>1,339,167</b>
<b>Installation Services</b>						
<b>Soil Conservation Service</b>						
Engineering Service			271,416	-		271,416
Other			194,135	-		194,135
SCS Subtotal			465,551	-		465,551
<b>Subtotal - Installation Services</b>			<b>465,551</b>	<b>-</b>		<b>465,551</b>
<b>Other Costs</b>						
Land, Easements & R/W			-	214,000		214,000
Administration of Contracts			-	5,500		5,500
<b>Subtotal - Other</b>			<b>-</b>	<b>219,500</b>		<b>219,500</b>
<b>TOTAL STRUCTURAL MEASURES</b>			<b>1,804,718</b>	<b>219,500</b>		<b>2,024,218</b>
<b>TOTAL PROJECT</b>			<b>1,804,718</b>	<b>1,398,175</b>		<b>3,202,893</b>
<b>SUMMARY</b>						
Subtotal SCS			1,829,718	1,398,175		3,227,893
<b>TOTAL PROJECT</b>			<b>1,829,718</b>	<b>1,398,175</b>		<b>3,227,893</b>

1/ No Federal lands involved.

Supplement (Replaces Table 1 in original work plan)

October 1964

TABLE 2 - ESTIMATED STRUCTURE COST DISTRIBUTION  
 San Diego-Nosita Creeks Watershed, Texas  
 Price Base: 1964

	Public Law 566 Installation Cost				Other Installation Cost				Estimated Total Cost
	Construction	Continuing	Engineering	Other	Administration of Contracts	Easements and R/W	Total Other	Total	
Structure No. 1 through 11	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)	(dollars)
Floodwater Retarding Structures	1,217,425	121,742	271,416	194,135	1,804,718	5,500	214,000	219,500	2,024,218
TOTAL	1,217,425	121,742	271,416	194,135	1,804,718	5,500	214,000	219,500	2,024,218

Supplement  
 (Replaces Table 2 in  
 Original Work Plan)

October 1964

TABLE 4 - ANNUAL COST

San Diego-Rosita Creeks Watershed, Texas

(Dollars)

Evaluation Unit	: Amortization : of : Installation : Cost <u>1/</u>	: Operation : and : Maintenance : Cost <u>2/</u>	: : : : :	Total
Floodwater Retarding Structures 1 through 11	71,374	1,710		73,084
TOTAL	71,374	1,710		73,084

1/ Price Base: 1964 prices amortized for 50 years at 2.5 percent.

2/ Long-term prices as projected by ARS, September 1957.

Supplement  
(Replaces Table 6  
in Original Work Plan)

October 1964

**TABLE 5 - ESTIMATED AVERAGE ANNUAL FLOOD  
DAMAGE REDUCTION BENEFITS  
San Diego-Rosita Creeks Watershed, Texas**

(Dollars) 1/

Item	Estimated Average Annual Damage		Damage Reduction Benefit
	Without Project	With Project	
Floodwater Damage			
Crop and Pasture	2,055	610	1,445
Other Agricultural	1,710	342	1,368
Non Agricultural			
Road and Bridge	2,439	874	1,565
Other	227	1	226
Subtotal	6,431	1,827	4,604
Sediment			
Overbank deposition	297	37	260
Channel filling (improved Channel, Alice, Texas)	2,478	892	1,586
Subtotal	2,775	929	1,846
Erosion			
Flood Plain Scour	2,558	963	1,595
Indirect	1,195	370	825
<b>TOTAL</b>	<b>12,959</b>	<b>4,089</b>	<b>8,870</b>

1/ Long-term prices as projected by ARS, September 1957.

Supplement  
(Replaces Table 7 in  
original work plan)

October 1964

TABLE 6 - COMPARISON OF BENEFITS AND COSTS FOR STRUCTURAL MEASURES  
San Diego-Rosita Creeks Watershed, Texas

Evaluation Unit	AVERAGE ANNUAL BENEFITS 1/				Total	Average Annual Cost 3/	Benefit Cost Ratio
	Flood Prevention	Damage Reduction	Incidental	Other 2/			
Floodwater Retarding Structures 1 through 11 4/	8,175	3,451	67,765	6,961	86,352	73,084	1.2:1
<b>TOTAL</b>	<b>8,175</b>	<b>3,451</b>	<b>67,765</b>	<b>6,961</b>	<b>86,352</b>	<b>73,084</b>	<b>1.2:1</b>

- 1/ As projected by ARS, September 1957
- 2/ Includes \$35,342 damage reduction on the San Fernando Creek flood plain; \$18,683 damage reduction on Agua Dulce Creek flood plain; and \$13,740 damage reduction on the Agua Dulce Laterals flood plain.
- 3/ Derived from installation costs based on 1964 price level and operation and maintenance cost based on long-term price levels, as projected by ARS, September 1957.
- 4/ In addition, it is estimated that land treatment measures applied outside drainage areas of floodwater retarding structures will provide damage reduction benefits of \$695 annually.

Supplement  
(Replaces Table 8 in  
original work plan)

October 1964