SUPPLEMENTAL WATERSHED WORK PLAN AGREEMENT

Between the

Aquilla-Hackberry Creek Conservation District
Local Organization

Hill County-Blackland Soil and Water Conservation District
Local Organization

Johnson County Soil and Water Conservation District
Local Organization

Hill County Commissioners Court
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 Aquilla-Hackberry Creek Watershed, State of Texas, executed by the Sponsoring Local Organization named therein and the Service, became effective on the 1st day of April 1969; 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, that portion of said watershed formerly in the Navarro-Hill Soil and Water Conservation District is now in the Hill County-Blackland Soil and Water Conservation District as the result of changes in both boundaries and names; and

Whereas, that portion of said watershed located in Hill County and formerly in the Nolan-Aquilla Soil and Water Conservation District is now in the Hill County-Blackland Soil and Water Conservation District as the result of changes in the district names; and

Whereas, that portion of said watershed located in Johnson County and formerly in the Nolan-Aquilla Soil and Water Conservation District is now in the Johnson County Soil and Water Conservation District as the result of changes in the boundaries; and

Whereas, the Hill County-Blackland Soil and Water Conservation District becomes a sponsor and accepts all responsibilities heretofore assumed by the Navarro-Hill Soil and Water Conservation District and all responsibilities heretofore assumed by the Nolan-Aquilla Soil and Water Conservation District within Hill County; and

Whereas, the Johnson County Soil and Water Conservation District becomes a sponsors and accepts all responsibilities heretofore assumed by the Nolan-Aquilla Soil and Water Conservation District within Johnson County; and

Whereas, the Nolan-Aquilla Soil and Water Conservation District is hereby relieved of its commitments and responsibilities and ceases to be a co-sponsor; and

Whereas, the Navarro-Hill Soil and Water Conservation District is hereby relieved of its commitments and responsibilities and ceases to be a co-sponsor; 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 found 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 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 16 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:

	Sponsoring Local Organization (percent)	Service (percent)	Estimated Relocation Payment Costs (dollars)
Relocation Payments	50.62	49.38	13,040

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:

Works of Improvement	Sponsoring Local Organization (percent)	Service (percent)	Estimated Engineering Cost (dollars)
23 Floodwater Retarding Structures	-	100.00	116,974
82,295 feet of Stream Channel Improvement	-	100.00	15,074
27 Grade Stabilization Structures	-	100.00	28,858

3. Paragraph numbered 6 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 $17,100 and $378,492 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.

Aquilla-Hackberry Creek Conservation District
Local Organization

By Paul A Barney

Title PRESIDENT

Address Hillsboro, Tex 76645
Zip code

Date JANUARY 6, 1972

The signing of this agreement was authorized by a resolution of the governing body of the Aquilla-Hackberry Creek Conservation District
Local Organization
adopted at a meeting held on DECEMBER 10, 1971

Pascal Nail
(Secretary, Local Organization)

Address Hillsboro, TEX 76645
Zip Code

Date JANUARY 6, 1972

Hill County-Blackland Soil and Water Conservation District
Local Organization

By [illegible]

Title CHAIRMAN

Address Hillsboro, Tex 76645
Zip Code

Date JANUARY 3, 1972

The signing of this agreement was authorized by a resolution of the governing body of the Hill County-Blackland Soil and Water Conservation District
Local Organization
adopted at a meeting held on JANUARY 3, 1972

Clyde F. [illegible]
(Secretary, Local Organization)

Address Hillsboro, TEX 76645
Zip Code

Date JANUARY 3, 1972

Johnson County Soil and Water Conservation District
Local Organization

By N P Stephenson

Title CHAIRMAN

Address CLEBURNE, TEX 76031
Zip Code

Date JANUARY 3, 1972

The signing of this agreement was authorized by a resolution of the governing body of the Johnson County Soil and Water Conservation District
Local Organization
adopted at a meeting held on JANUARY 3, 1972

Lloyd Martin
(Secretary, Local Organization)

Address CLEBURNE, TEX 76031
Zip Code

Date JANUARY 3, 1972

Hill County Commissioners Court
Local Organization

By Gordon R. Eubank

Title COUNTY JUDGE

Address Box 457 - Hillsboro Tex 76645
Zip Code

Date JANUARY 4, 1972

The signing of this agreement was authorized by a resolution of the governing body of the Hill County Commissioners Court
Local Organization
adopted at a meeting held on JANUARY 4, 1972

Glenn Morgan
(Secretary, Local Organization)

Address Box 457 - Hillsboro TEX 76645
Zip Code

Date JANUARY 4, 1972

Soil Conservation Service
United States Department of Agriculture

By Clyde W. Graham
(State Conservationist)

Date [illegible]

4-24041 1-72

SUPPLEMENTAL

WATERSHED WORK PLAN

FOR

WATERSHED PROTECTION AND FLOOD PREVENTION

AQUILLA-HACKBERRY CREEK WATERSHED
Hill and Johnson 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:

Aquilla-Hackberry Creek Conservation District

Hill County-Blackland Soil and Water Conservation District

Johnson County Soil and Water Conservation District

Hill County Commissioners Court

With Assistance By:

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

4-24041 1-72

SUPPLEMENTAL
WATERSHED WORK PLAN

AQUILLA-HACKBERRY CREEK WATERSHED
Hill and Johnson Counties, Texas
November 1971

PURPOSE OF THE SUPPLEMENTAL WORK PLAN

It has become necessary to modify the watershed work plan for Aquilla-Hackberry Creek 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 Retarding Structure No. 11 will result in the displacement of one family from one owner-occupied dwelling and will require the movement of the contents of three barns. The installation of Floodwater Retarding Structure No. 16 will result in the displacement of one family from one owner-occupied dwelling and will require the movement of contents of anothers owner's barn. 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 Improvement To Be Installed" are estimated to be $13,040. After July 1, 1972, the share of these costs to be borne by Public Law 566 funds is 49.38 percent and the share to be borne by other funds is 50.62 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 Aquilla-Hackberry Creek Conservation District 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. The Aquilla-Hackberry Creek Conservation District will provide relocation advisory assistance services at an estimated cost of $900.

Comparison of Benefits and Costs

The total average annual cost of structural measures (amortized total installation cost, plus operation and maintenance) is $120,454. These measures are expected to produce average annual benefits, excluding secondary benefits, of $183,479, resulting in a benefit-to-cost ratio of 1.5:1.0. The ratio of total average annual project benefits accruing to structural measures ($201,181) to the average annual cost of structural measures ($120,454) is 1.7:1.0.

Project Installation

The Aquilla-Hackberry Creek Conservation District 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 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 Aquilla-Hackberry Creek Conservation District 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 persons.

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 Aquilla-Hackberry Creek Conservation District, which has adequate funds available from tax resources.

REVISED TABLE 1 - ESTIMATED PROJECT INSTALLATION COST
Aquilla-Hackberry Creek Watershed, Texas

Installation Cost Item	Unit	Number Non-Federal Land	Estimated Cost (Dollars) 1/ Public Law 566 Funds Non-Federal Land	Other Non-Federal Land	Total
LAND TREATMENT					
Soil Conservation Service					
Cropland	Acre	23,279	-	581,000	581,000
Grassland	Acre	24,158	-	1,574,745	1,574,745
Technical Assistance			47,185	96,621	143,806
SCS Subtotal			47,185	2,252,366	2,299,551
TOTAL LAND TREATMENT			47,185	2,252,366	2,299,551
STRUCTURAL MEASURES					
Construction					
Soil Conservation Service					
Floodwater Retarding Structures	No.	23	1,641,200	-	1,641,200
Stream Channel Improvement	Foot	82,295	190,300	-	190,300
Grade Stabilization Structures	No.	27	262,790	-	262,790
SCS Subtotal			2,094,290	-	2,094,290
Subtotal - Construction			2,094,290	-	2,094,290
Engineering Services					
Soil Conservation Service					
Floodwater Retarding Structures	No.	23	116,974	-	116,974
Stream Channel Improvement	Foot	82,295	15,074	-	15,074
Grade Stabilization Structures	No.	27	28,858	-	28,858
Subtotal - Engineering			160,906	-	160,906
Relocation Payments					
Soil Conservation Service			6,439	6,601	13,040
Subtotal - Relocation Payments			6,439	6,601	13,040
Project Administration					
Soil Conservation Service					
Relocation Advisory Assistance Services			-	900	900
Construction Inspection			191,898	3,240	195,318
Other			186,594	12,960	199,554
Subtotal - Administration			378,492	17,100	395,592
Other Costs					
Land Rights			-	478,780	478,780
Subtotal - Other			-	478,780	478,780
TOTAL STRUCTURAL MEASURES			2,640,127	502,481	3,142,608
TOTAL PROJECT			2,687,312	2,754,847	5,442,159
SUMMARY					
Subtotal SCS			2,687,312	2,754,847	5,442,159
TOTAL PROJECT			2,687,312	2,754,847	5,442,159

1/ Price Base: 1971

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REVISED TABLE 2 - ESTIMATED STRUCTURAL COST DISTRIBUTION

Aquilla-Hackberry Creek Watershed, Texas

(Dollars)[1]

Structure Site Number or Name	Installation Cost - Public Law 566 Funds				Installation Cost - Other Funds			Total Installation Cost
	Construction	Engineering	Relocation Payments[2]	Total Public Law 566	Relocation Payments[2]	Land Rights	Total Other	
Floodwater Retarding Structures								
1	118,800	7,128	-	125,928	-	35,950	35,950	161,878
2	46,200	3,696	-	49,896	-	8,125	8,125	58,021
3	40,700	3,256	-	43,956	-	7,600	7,600	51,556
4	50,600	4,048	-	54,648	-	7,725	7,725	62,373
5	80,300	5,621	-	85,921	-	17,870	17,870	103,791
6	57,200	4,576	-	61,776	-	8,725	8,725	70,501
7	37,400	3,740	-	41,140	-	3,700	3,700	44,840
8	38,500	3,850	-	42,350	-	3,000	3,000	45,350
9	46,200	3,696	-	49,896	-	3,730	3,730	53,626
10	41,800	3,344	-	45,144	-	4,725	4,725	49,869
11	130,900	7,854	938	139,692	962	43,885	44,847	184,539
12	92,400	6,468	-	98,868	-	16,995	16,995	115,863
13	89,100	6,237	-	95,337	-	25,200	25,200	120,537
14	73,700	5,159	-	78,859	-	35,575	35,575	114,434
15	69,300	4,851	-	74,151	-	19,200	19,200	93,351
16	96,800	6,776	5,501	109,077	5,639	46,960	52,599	161,676
17	41,800	3,344	-	45,144	-	3,700	3,700	48,844
18	72,600	5,082	-	77,682	-	30,020	30,020	107,702
19	45,100	3,608	-	48,708	-	11,990	11,990	60,698
20	70,400	4,928	-	75,328	-	15,325	15,325	90,653
21	88,000	6,160	-	94,160	-	14,810	14,810	108,970
22	74,800	5,236	-	80,036	-	24,910	24,910	104,946
23	138,600	8,316	-	146,916	-	20,675	20,675	167,591
Subtotal	1,641,200	116,974	6,439	1,764,613	6,601	410,395	416,996	2,181,609
Stream Channel Improvement								
Hackberry Creek	78,100	5,460	-	83,560	-	16,200	16,200	99,760
Coleman Creek	11,000	1,650	-	12,650	-	3,900	3,900	16,550
Little Hackberry Creek	11,000	1,650	-	12,650	-	1,500	1,500	14,150
Aquilla Creek	90,200	6,314	-	96,514	-	14,850	14,850	111,364
Subtotal	190,300	15,074	-	205,374	-	36,450	36,450	241,824

(See footnotes last page table 2)

REVISED TABLE 2 - ESTIMATED STRUCTURAL COST DISTRIBUTION - Continued
Aquilla-Hackberry Creek Watershed, Texas
(Dollars)1/

Structure Site Number or Name	Installation Cost - Public Law 566 Funds: Construction	Engineering	Relocation Payments2/	Total Public Law 566	Installation Cost - Other Funds: Relocation Payments2/	Land Rights	Total Other	Total Installation Cost
Grade Stabilization Structures								
11-1	9,570	1,053	-	10,623	-	1,025	1,025	11,648
11-2	10,560	1,162	-	11,722	-	1,670	1,670	13,392
11-3	8,690	956	-	9,646	-	1,190	1,190	10,836
11-4	10,230	1,125	-	11,355	-	1,430	1,430	12,785
11-5	20,240	2,226	-	22,466	-	2,300	2,300	24,766
14-1	10,340	1,137	-	11,477	-	1,510	1,510	12,987
14-2	7,700	847	-	8,547	-	1,110	1,110	9,657
15-1	11,660	1,283	-	12,943	-	1,350	1,350	14,293
16-1	8,580	944	-	9,524	-	1,110	1,110	10,634
20-1	16,500	1,815	-	18,315	-	1,510	1,510	19,825
20-2	6,490	714	-	7,204	-	780	780	7,984
101	8,250	908	-	9,158	-	940	940	10,098
102	10,120	1,113	-	11,233	-	1,350	1,350	12,583
103	8,800	968	-	9,768	-	1,270	1,270	11,038
104	8,470	932	-	9,402	-	780	780	10,182
105	10,230	1,125	-	11,355	-	1,430	1,430	12,785
106	9,570	1,053	-	10,623	-	1,350	1,350	11,973
107	8,800	968	-	9,768	-	940	940	10,708
108	8,580	944	-	9,524	-	1,110	1,110	10,634
109	6,820	750	-	7,570	-	780	780	8,350
110	6,930	762	-	7,692	-	780	780	8,472
111	7,370	811	-	8,181	-	940	940	9,121
112	12,870	1,416	-	14,286	-	940	940	15,226
113	12,320	1,355	-	13,675	-	1,510	1,510	15,185
114	5,940	604	-	6,544	-	780	780	7,324
115	8,030	883	-	8,913	-	1,190	1,190	10,103
116	9,130	1,004	-	10,134	-	860	860	10,994
Subtotal	262,790	28,858	-	291,648	-	31,935	31,935	323,583

(See footnotes last page table 2)

REVISED TABLE 2 - ESTIMATED STRUCTURAL COST DISTRIBUTION - Continued
Aquilla-Hackberry Creek Watershed, Texas
(Dollars)1/

Structure Site Number or Name	Installation Cost - Public Law 566 Funds				Installation Cost - Other Funds			Total Installation Cost
	Construction	Engineering	Relocation Payments2/	Total Public Law 566	Relocation Payments2/	Land Rights	Total Other	
Subtotal - Watershed	2,094,290	160,906	6,439	2,261,635	6,601	478,780	485,381	2,747,016
Project Administration	xxx	xxx	xxx	3/378,492	xxx	xxx	17,100	395,592
GRAND TOTAL	2,094,290	160,906	6,439	2,640,127	6,601	4/478,780	502,481	3,142,608

1/ Price Base: 1971
2/ Relocation payments for displacement 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.
3/ Includes $191,898 for construction inspection.
4/ Includes $22,500 for modifying roads, utilities, and improvements.

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REVISED TABLE 4 - ANNUAL COST
Aquilla-Hackberry Creek Watershed, Texas
(Dollars) 1/

Evaluation Unit	Amortization of Installation Cost 2/	Operation and Maintenance Cost	Other Economic Cost 3/	Total
Aquilla Creek 12 Floodwater Retarding Structures; 35,450 feet of Stream Channel Improvement; and 5 Grade Stabilization Structures	38,886	4,887	1,835	45,608
Little Aquilla Creek 1 Floodwater Retarding Structure	3,949	292	300	4,541
Hackberry Creek 10 Floodwater Retarding Structures; 46,845 feet of Stream Channel Improvement; and 22 Grade Stabilization Structures	47,157	8,578	1,610	57,345
Project Administration	12,960	xxx	xxx	12,960
GRAND TOTAL	102,952	4/ 13,757	3,745	120,454

1/ Price Base: Installation 1971, O&M adjusted normalized prices.
2/ 100 years at 3.125 percent.
3/ Excess of value of production lost in dam, spillway, and pool areas over value of easements at appraised market value.
4/ Includes costs of $2,729 for replacement of structures or appurtenances requiring replacement before end of the 100-year evaluation period.

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REVISED TABLE 6 - COMPARISON OF BENEFITS AND COSTS FOR STRUCTURAL MEASURES
Aquilla-Hackberry Creek Watershed, Texas
(Dollars) 1/

Evaluation Unit	AVERAGE ANNUAL BENEFITS: Flood Prevention: Damage Reduction	Intensification of Land Use	Incidental Recreation	Redevelopment	Secondary	Total	Average Annual Cost 2/	Benefit-Cost Ratio
Aquilla Creek								
12 Floodwater Retarding Structures; 35,450 feet of Stream Channel Improvement; and 5 Grade Stabilization Structures 3/	56,658	12,160	7,590	6,465	7,990	90,873	45,608	2.0:1.0
Little Aquilla Creek								
1 Floodwater Retarding Structure	3,564	854	1,330	667	1,088	7,503	4,541	1.7:1.0
Hackberry Creek								
10 Floodwater Retarding Structures; 46,845 feet of Stream Channel Improvement; and 22 Grade Stabilization Structures 3/	68,105	6,607	12,877	6,592	8,624	102,805	57,345	1.8:1.0
Project Administration							12,960	
GRAND TOTAL	4/ 128,337	19,621	21,797	13,724	17,702	201,181	120,454	1.7:1.0

1/ Adjusted normalized prices, April 1966.
2/ From table 4.
3/ Interrelated measures.
4/ In addition, it is estimated that land treatment measures will provide flood damage reduction benefits of $16,082 annually.