SUPPLEMENTAL WATERSHED PLAN AGREEMENT NO. III

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

(hereinafter referred to as the Sponsoring Local Organization)

State of Texas

and the

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

Whereas, the Watershed 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, the Supplemental Watershed Plan Agreement No. I executed by the Sponsoring Local Organization named herein, and the Service became effective on the 12th day of January 1972; and

Whereas, the Supplemental Watershed Plan Agreement No. II for said watershed, executed by the Sponsoring Local Organization named therein and the Service, became effective on the 12th day of November 1973; and

Whereas, in order to complete the overall resource development program and to control critical sediment source areas for Aquilla-Hackberry Creek watershed, it has become necessary to modify the agreement to include critical area treatment measures; and

Whereas, there has been developed through the coorperative efforts of the local orgainzation and the Service, a mutually satisfactory plan for critical area treatment on the Aquilla-Hackberry watershed, which supplement is annexed to and made a part of this agreement; and

Whereas, the supplement describes the watershed problems and sets forth a plan for works of improvement, the kinds and quantities of measures to be installed, the estimated cost, cost-sharing arrangements, maintenance and other responsibilities of those participating in the project;

Now, therefore, in view of the foregoing consideration, the local organization and the Secretary of Agriculture, through the Service, hereby agree on the supplement, and further agree that the works of improvement as set forth in said supplement will be installed, operated and maintained substantially in accordance with the terms, conditions, and stipulations provided therein.

1. Paragraph numbered 3 in modified by adding the following:

   The percentages of installation cost of the critical area treatment measures to be paid by the Sponsors and by the Service are as follows:

Works of Improvement	Sponsors (percent)	Service (percent)	Estimated Installation Cost (dollars)
Critical area treatment	20	80	770,000

The Sponsoring Local Organization and the Service further agree to all other terms, conditions, and stipulations of said watershed plan agreement not modified herein.

Aquilla-Hackberry Creek Conservation District
Local Organization

By Paul Harvey

Title Pres.

848 Elm
Hillsboro, Texas 76645
Address Zip Code

Date 11-17-78

The signing of this agreement was authorized by a resolution of the governing body of the Aquilla-Hackberry Creek Conservation District adopted at a meeting
Local Organization
held on 5-23-78.

Pascal Nail
Secretary, Local Organization

Hillsboro, Texas 76645
Address Zip Code

Nov. 20 1978
Date

Hill County-Blackland Soil and Water Conservation District
Local Organization

By Ray Sawyer

Title Chairman

Box 756
Hillsboro, Texas 76645
Address Zip Code

Date 11-30-78

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 11-15-78.

Clyde F. Moulin
Secretary, Local Organization

Rt #1 Bynum, Tex 76631
Address Zip Code

11-30-78
Date

Johnson County Soil and Water Conservation District
Local Organization

By Robert A. King

Title Chairman

Box 293
Cleburne, Texas 76031
Address Zip Code

Date 1-8-79

The signing of this agreement was authorized by a resolution of the governing body of the Johnson County Soil and Water Conservation District adopted
Local Organization
at a meeting held on 1-8-79.

John W. Harder
Secretary, Local Organization

Alvarado, Tex. 76009
Address Rt. 5 Zip Code

1-8-79
Date

Hill County Commissioners Court
Local Organization

By Gordon R. Eubank

Address Zip Code

Title County Judge

Date 12-1-78

The signing of this agreement was authorized by a resolution of the governing body of the Hill County Commissioners Court at a meeting held on
Local Organization
11-27-78.

Larry Wright
~~Secretary, Local Organization~~
County Clerk

Address Zip Code

Date 12-1-78

Soil Conservation Service
United States Department of Agriculture

Approved by:

George C Marks
State Conservationist

JAN 16 1979
Date

SUPPLEMENTAL
WATERSHED PLAN NO. III

AQUILLA-HACKBERRY CREEK WATERSHED
Hill and Johnson Counties, Texas

September 1978

PURPOSE OF THE SUPPLEMENTAL PLAN

The purpose of this supplemental watershed plan for the Aquilla-Hackberry Creek watershed is to provide a method to treat critical sediment source areas in the watershed not now provided for in the plan.

The original plan, as supplemented, provided watershed protection and flood prevention funds for accelerated technical assistance to help landowners of the watershed to plan and apply land treatment measures and provided for the installation of a system of 23 floodwater retarding structures, 20 grade stabilization structures and 15.6 miles of channel work. The accelerated land treatment assistance, 9 floodwater retarding structures and the 20 grade stabilization structures have been completed.

There now exist in the watershed critical sediment source areas which need to be stabilized to reduce erosion and sedimentation, protect structural measures and improve environmental conditions.

The purpose of this supplement is to provide for the use of Public Law 566 funds on a cost-share basis to install land treatment measures to control and stabilize critical sediment source areas.

WATERSHED PROBLEMS

Although many of the structural measures and all of the accelerated land treatment measures have been installed, there still remain areas which yield large amounts of sediment. Erosion from critical areas is a problem and critical area treatment is especially important in providing additional cover that will reduce the rate of sediment laden runoff. This sediment contributes to the filling of downstream reservoirs, pollutes streams and rivers reducing both quality of water and capacity to carry water, damage roads and bridges and provides deposition to downstream flood plains and adversely affects the overall quality of our rural environment.

WORKS OF IMPROVEMENT TO BE INSTALLED

The works of improvement to be installed consist of land treatment measures necessary to stabilize critical sediment source areas on about 350 acres and will benefit about 7,000 acres. These measures may include practices such as clearing, shaping, preparation for vegetation, mulching, fertilizing structures such as pipe drops, drop inlets, formless concrete chutes, diversions and dams. Vegetation will include plants such as trees, shrubs, vines, grasses, and legumes as appropriate for the site.

EXPLANATION OF INSTALLATION COSTS

The total estimated cost of installing the planned measures covered by this supplement is $960,000 of which $770,000 is for construction (stabilization) cost and $190,000 is for technical assistance. Of the $770,000 cost for construction 80 percent, or $616,000 will be Public Law-566 cost and 20 percent, or $154,000 will be local cost.

BENEFITS FROM WORKS OF IMPROVEMENT

These land treatment measures when efficiently applied to the critical areas and properly maintanined will be effective in the prevention of the deterioration of the watershed. Valuable soil that is irreplaceable will be protected and further loss of a resource will be prevented. The productivity and monetary value of adjoining areas will be maintained or enchanced by the healing of these critical areas. Benefits will accrue from protection of land and improvements which otherwise would be damaged through the extension of gully systems. Society as a whole will benefit through the prevention of destruction of an irreplaceable resource. Sediment being delivered to downstream reservoirs, flood plains, and streams will be reduced.

Vegetative treatment of these areas will provide additional habitat, cover, protection, and breeding places for wildlife. This in turn can help to maintain the ecological balance of nature.

Treatment of the exposed areas will improve the appearance and enhance the beauty of the terrain for the air and land travelers by minimizing or eliminating the visual impact of raw eroding areas.

Economic conditions will be improved by maintaining the productivity of the area and making it possible for owners and operators to continue with economic units on fewer acres. The community will benefit because the tax base will be maintained and strengthened so that tax supported community services can be financed.

INSTALLATION AND FINANCING

Critical area stabilization measures will be planned and installed through cooperation of landowners and operators with their soil and water conservation district. These are measures that are to be applied to active gullies and badly eroded areas and the treatment costs are outside the financial capabilities of landowners and operators with technical and financial assistance available. These measures will be installed with technical and financial assistance from PL-566 funds.

Critical area treatment will be a part of agreed-to conservation practices included in new or revised conservation plans for each affected operating unit. These conservation plans will include an installation schedule; requirements for operation, maintenance and replacement; provision for access by the Service and the district or its agent to inspect installation and operation and maintenance; and signatures by the district and owner or operator. These plans will serve as the operation and maintenance agreement. The conservation district will provide the leadership and coordination. The Service will provide technical assistance through the conservation district for preparation of the conservation plan, installation plans, standards and specifications, and for layout and inspection of construction.

Installation of critical area treatment will be by the average cost method.

Immediately before installation, the cooperator and the Service will enter into a long-term agreement (5 to 10 years). The agreement will provide for installing the critical area treatment on the cooperator's operating unit in accordance with a conservation plan of operations and installation schedule. The agreement will include the cost-share rate, the work covered by the agreement, technical assistance for installation, duration of agreement, inspection and related subjects. The cooperator involved may install the treatment using his own labor and equipment or employ the services of vendors and contractors to install the measure. Landrights are provided by the cooperator through the district agreement.

The Service will share 80 percent of the cost of installing critical area treatment. This cost sharing will be based on actual cost not to exceed average cost for shaping and grading or average cost when the cooperator uses his own labor and equipment. The practice will be installed on an average cost basis unless the agreement specifies that practices, or components of a practice will be on an actual cost not to exceed the average cost. Average costs are determined from actual costs for similar work recently installed in the general area.

Upon completion of a practice or component of a practice by a vendor or contractor, the cooperator will provide the Service with records to show actual cost of the work. The Service will take steps necessary to ensure that cost records of work that the cooperator has performed by vendors and contractors are suitable to base a claim to the Service for the PL-566 share of the costs.

OPERATION AND MAINTENANCE

The critical area stabilization measures will be maintained by the landowners, county commissioners, or other groups responsible for the land on which the work is being installed. Based on technical recommendation by the Service, an operation and maintenance agreement will be entered into by the conservation district and the landowner concerned.

Provisions will be made for free access of District, State, and Federal representatives to inspect all critical area stabilization measures at any reasonable time during the period of operation and maintenance responsibilities specified in the conservation plan of operations.

Operation and maintenance inspections for critical area stabiliation measures will be made by the Service employee responsible for operation and maintenance inspection and the sponsors on an annual basis for the first 5 years, or after the occurrence of any unusual conditions that might adversely affect these measures.

TABLE 1 - ESTIMATED INSTALLATION COST

Aquilla-Hackberry Creek Watershed, Texas

Installation Cost Item	Unit	Number Nonfederal Land	Estimated Cost (Dollars) 1/ PL 566 Funds Nonfederal Land SCS	Other Nonfederal Land SCS	TOTAL
LAND TREATMENT-GOING PROGRAM					
Land Areas 2/					
Cropland	Acres to be Protected	15,641	-	390,374	390,374
Pastureland		16,232	-	1,058,071	1,058,071
Technical Assistance	XXX	XXX		96,621	96,621
SUBTOTAL				1,545,066	1,545,066
LAND TREATMENT-ACCELERATED					
Land Areas 2/					
Cropland	Acres to be Protected	7,638	-	190,626	190,626
Pastureland		7,926	-	516,674	516,674
Critical Area Stabilization	Acres	350	616,000	154,000	770,000
Technical Assistance	XXX	XXX	237,185	-	237,185
SUBTOTAL			853,185	861,300	1,714,485
TOTAL LAND TREATMENT	XXX	XXX	853,185	2,406,366	3,259,551
STRUCTURAL MEASURES					
Floodwater Retarding Structures	No.	23	4,389,300	690,000	5,079,300
Channel Work N 3/	Mi.	15.6	497.500	63,900	561,400
Grade Stabilization Structures	No.	20	630,470	22,260	652,730
SUBTOTAL Structural Cost			5,517,270	776,160	6,293,430
PROJECT ADMINISTRATION					
Construction Inspection			235,271	3,100	238,371
Other			361,380	12,400	373,780
Relocation Assistance Advisory Services			-	900	900
SUBTOTAL -Administration for Nonstructural and Structural Measures			596,651	16,400	613,051
TOTAL PROJECTS COSTS 4/			6,967,106	3,198,926	10,166,032
TOTAL ALL COSTS			6,967,106	4,743,992	11,711,098

1/ Price base: 1978 for Critical Area Stabilization, Channel Work and FRS 1,4,5,10,11,12, 13,14,16,18,19A,21,22,23. Actual cost for other measures.

2/ Includesonly areas estimated to be adequately protected during the project installation period. Treatment will be applied throughout the watershed, and dollar amounts apply to total land areas, not just to adequately protected areas.

3/ Type of channel before project: (N)-an unmodified, well defined natural channel or stream.

4/ Excludes going program - Land Treatment

September 1978