U. S. DEPARTMENT OF AGRICULTURE TX-ENG-51

Natural Resources Conservation Service Rev. 1/07

DIVERSION DATA SHEET

SWCD _____ FIELD OFFICE _____

COOPERATOR _____ LOCATION _____

INDENTIFICATION NO. _____ FIELD NO. _____ DIVERSION NO. _____ Job Class _____

DESIGN AND LAYOUT

Station			
Drainage Area, Ac. Cultivated Ac.			
Pasture Ac.			
Woodland Ac.			
Q from_____, cfs 1/			
Vegetal Retardance			
Cross Slope of Land--Percent			
Design Grade			
Side Slopes: Channel			
Back side of Ridge			
Bottom Width, Ft.			
Design Depth of Flow, Ft.			
Channel Cross Section, Sq. Ft.			
Depth of Flow Plus Freeboard, Ft.			
A depth of cut (Ft.) (Channel Type) or H above Nat. Gr. (Ft.) (Ridge Type)			
Width of Crown, Ft.			
Base Width (Ridge Type Diversions)			
Area of Exc. (Sq. Ft.) (Channel Type) or A above Nat. Gr. (Ft.) (Ridge Type)			

Sketch Location of Waterway Show North Arrow

1/ If runoff calculated by other method show calculations in space below.

Designed by _____ I have EJAA Class _____ Date _____

Approved by _____ I have EJAA Class _____ Date _____

Comp. Check by _____ I have EJAA Class _____ Date _____

Design Review by _____ I have EJAA Class _____ Date _____

Layout Data Party_____

_____ Date:_____

Grade by Section					Measured Length (Feet)	Remarks

Computations:

Total Cubic Yards: _____

(over)

Constrution Check

Party _____

_____

Date _____

X-Section at Sta. _____ Measured Construction Length _____

(Take cross section rod reading at 2' or 4' intervals. Mark out distance line does not apply.)

Distance	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
	0	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
Rod																										
Datum																										
Difference																										

X-Sec. Sq. Ft. Channel _____ or Ridge _____ Height _____

PROFILE

Station																										
Channel																										
Ridge																										
Height																										

This practice meets specifications. Remarks _____

_____

This practice meets specifications. Signed _____ Date _____