NOTE:

Datum 1 to be taken as natural ground.

Datum 2 to be taken as water surface.

CHECK DATA (Cross-Sections)

Difference 1 to be used for earth work calculation.

Difference 2 to be used for flow section calculation.

Distance																					
Rod																					
Datum (1)																					
Difference (1)																					
Datum (2)																					
Difference (2)																					
Rod Reading																					

X-Sect. at Sta. No. _____; X-Sect. Area of Flow _____Sq. Ft.; X-Sect. Earth _____Sq. Ft.

Distance																					
Rod																					
Datum (1)																					
Difference (1)																					
Datum (2)																					
Difference (2)																					
Rod Readings																					

X-Sect. at Sta. No. _____; X-Sect. Area of Flow _____Sq. Ft.; X-Sect. Earth _____Sq. Ft.

Distance																					
Rod																					
Datum (1)																					
Difference (1)																					
Datum (2)																					
Difference (2)																					
Rod Reading																					

X-Sect. at Sta. No. _____; X-Sect. Area of Flow _____Sq. Ft.; X-Sect. Earth _____Sq. Ft.

U. S. DEPARTMENT OF AGRICULTURE

Natural Resources Conservation Service

TX-ENG-39

Rev. 1/07

IRRIGATION DITCH DATA SHEET

SWCD_____ FIELD OFFICE_____

COOPERATOR_____ LOCATION _____

IDENTIFICATION NO. _____ FIELD NO. _____ DITCH NO. _____

Hydraulic Design

Sta.														

Crown width of retaining levees _____ Side slope of retaining levees _____

Structures

No.	Type	Size	Planned Quantities		Checked Quantities	
			Amount	Unites	Amount	Unites
Totals						

Plan Sketch

(Sketch Field and Ditch Location)

Show North Arrow

Will fit into a conservation irrigation system? Yes _____ No _____

Designed by: _____ I have EJAA Class: _____ Date: _____

Approved by: _____ I have EJAA Class: _____ Date: _____

Comp. Checked by: _____ I have EJAA Class: _____ Date: _____

Design Reviewed by: _____ I have EJAA Class: _____ Date: _____

P R O F I L E S

Field Data for Design	BM Elev. _____ BM Reading _____ H. I. _____	Description--Use this space to describe other bench marks or turns. Record new H. I. 's above appropriate station number.	Party _____ _____ Date: _____

Stations																										
Ground Profile	Rod																									
	Elev.																									

Plot in Profile Space at Right

SYMBOLS

1. Natural Ground
2. Planned Constructed Ditch Base
3. Planned Ditch Bottom
4. Planned Top of Ditch or Lining
5. Hydraulic Grade Line — HG
6. Show on Profile at appropriate stations all structures and turns.

From profile data of check (below), superimpose check profile if necessary. Use colored pencil for plotting check data.

Vertical Scale

Layout Data	Base Alterations	Cuts																								
		Fills																								

Check Data	BM Elev. _____ BM Reading _____ H. I. _____	Description--Use this space to describe other bench marks or turns. Record new H. I. 's above appropriate station number.	Party _____ _____ Date: _____

Profiles of Constructed Ditch	Top of Ditch Lining or Ditch Bank	Rod																								
		Elevation																								
	Ditch Bottom	Rod																								
		Elevation																								
	Natural Ground	Rod																								
		Elevation																								

Berm Width _____ft.; Berm slope _____:1; Concrete ditch depth _____ inches. Thickness of lining _____ inches. Spacing of scoring _____ft.

Bottom Width _____ft. Side slope of ditch _____:1 Width of shoulder at top of lining _____ft.

Quantities of lining _____ Method of Curing _____ This practice meets specifications.

Length of completed ditch _____ft. Earth moved _____cu. Yds. Were structures installed as planned? _____ Signed _____ Date _____