9. SYSTEM SPECIFICATIONS: (sideroll, handmove) _____

a. Sprinkler spacing _____ ft. Lateral Spacing _____ ft.

b. Nozzle size _____ x _____

Capacity _____ GPM @ _____ PSI or _____ft.

c. Max. length lateral (1) _____ft. Size _____ in. , No. of Sprinklers _____

d. Pressure loss in lateral line _____PSI or _____ft.

e. Total no. of laterals _____; No. operating simultaneously _____

f. Design capacity _____GPM

g. No. of valves _____; Size _____ and Spacing _____ on Main Line

10. SYSTEM SPECIFICATIONS: (center pivot, linear move) _____

a. Pressure loss in lateral line _____PSI or _____ft.

b. Length of lateral _____ft. _____ft. _____ft. _____ft.

c. Lateral Pipe Sizes _____in. _____in. _____in. _____in.

d. Sprinkler spacing _____ft. _____ft. _____ft. _____ft.

e. Height of nozzle above ground _____ft.

f. Height of lateral pipe above ground _____ft.

g. Type of sprinkler _____

h. Operating Pressure at Last Nozzle _____PSI

i. Maximum downhill elevation difference in lateral _____ft.

(from pivot pad to ground under last nozzle)

j. Maximum uphill elevation difference in lateral _____ft.

(from pivot pad to ground under last nozzle)

k. Design Capacity _____GPM

l. Operating pressure at pivot point _____PSI

Attach pipeline design information (if applicable).

11. Final Check:		
REMARKS _____		
I cerity that this practice meets NRCS specifications.		
I have EJAA Classification Class	Signature	Date

SPRINKLER IRRIGATION DATA SHEET

Cooperator				Field Office	
I.D. #				SWCD:	
CIN.				Location:	
Job Class		Field #		Structure #	
Additional Notes:					

Engineering Approval	Signature	I have EJAA Class	Date

1. Design Area _____ acres

Resource area _____ Design soil unit _____

Description of soils _____

_____

_____

2. Crops: 1. _____, _____acres

2. _____, _____acres

3. _____, _____acres

4. _____, _____acres

Total _____acres

3. Water supply:

Source of supply: (stream, well, reservoir, etc.) _____

Reservoir: Storage _____ ac. ft. Available for Irrigation _____ac. ft.

Well: Measured capacity _____ GPM Static Level _____ ft.

Maximum pumping lift _____ft.

Stream: Measured flow (season of peak use) _____GPM

Quality of water (evidence of suitability) _____

Elev. Dif. Source to field (plus or minus) _____

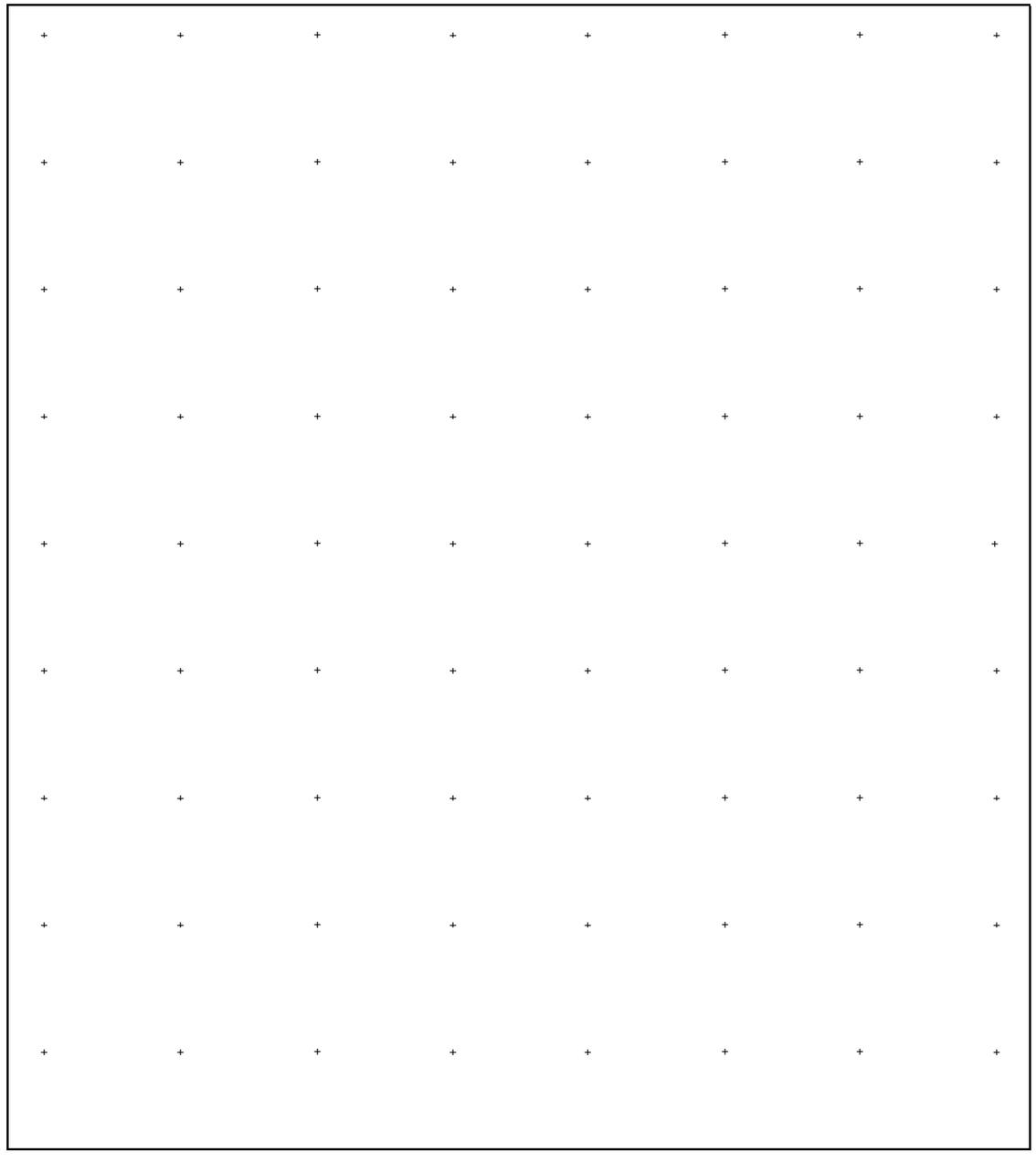
4. Other data:

Number of moves desired per day _____

Type of power to be used _____

5. LAYOUT SKETCH Scale 1" = _____ft.

SHOW: a. Source of Water
b. Major Elevation Differences
c. Row Direction
d. Sprinkler System Layout
e. Plan of Operation
f. Field Obstructions (Gullies, Trees Buildings, Wells, etc.
g. North Arrow



	Field Number			SYSTEM DESIGN
6. SOIL INFORMATION:				
a. Soil (unit, name, or group)				
b. Moisture Holding Capacity (in/ft)				
c. Basic Intake Rate (in/ft)				
7. CROP INFORMATION:				
a. Kind of Crop				
b. Acreage to be Grown				
c. Moisture Extraction Root Depth (ft)				
d. Irrigation Interval (days)				
e. Use Rate (in/day)				
8. DESIGN PROCEDURE:				
a. Available Water Supply (GPM)				
b. Application Rate (in/day)				
c. Time Per Lateral Set (hrs)				
d. Gross Water Appl./Irrigation (in)				
e. Water Application Efficiency (%)				
f. Net Water Appl./Irrigation (in)				
g. Lateral Settings Per Day				
h. Days of Operation Per Interval				
i. Quantity of Water Required (GPM)				

$$W_G\ (8d) = \frac{\text{\_\_\_\_\_ gpm (8a) X \_\_\_\_\_ days (7d) X \_\_\_\_\_ hrs (8c)}}{\text{453 X \_\_\_\_\_ acreage grown (7b)}} = \text{\_\_\_\_\_In.}$$

$$Q\ (8i) = \frac{\text{453 X \_\_\_\_\_ acres X \_\_\_\_\_inches gross application}}{\text{\_\_\_\_\_ hours operated /day X \_\_\_\_\_ days/ Irrigation}} = \text{\_\_\_\_\_GPM}$$