

**SPECIFICATIONS**

1. Tile shall meet ASTM specifications.
2. Design based on  $\frac{1}{2}$  in./24 hrs.
3. Min. depth of tile to be 3.50 ft.
4. Average depth of laterals to be 4.00 ft.
5. Min. grade of laterals 0.10% - 1/4"
6. Gap between tile shall be  $\frac{1}{8}$ " - 1/4"
7. All connections for joining 2 lines must be sealed with mortar unless manufactured connections are used.
8. Tile shall be blinded by covering to a depth of 6" with loose mellow top soil. All tile laid must be blinded by end of days work.
9. \_\_\_\_\_

Materials: 518 ft. 12"  
 168 ft. 10"  
 235 ft. 6"  
 2466 ft. 5"

**CONSTRUCTION REPORT**

Date installed 9/23/1966  
 Contractor Hennen  
 Staked By SCS  
 Amount of tile installed 3387 ft.

**Remarks:**

*C. H. A. Mcnelly* 3/4/68  
 Signature Date

Bench Mark Description: Elev. 45.78  
 Top steel fence post at intersection of tile line with Schaa Property

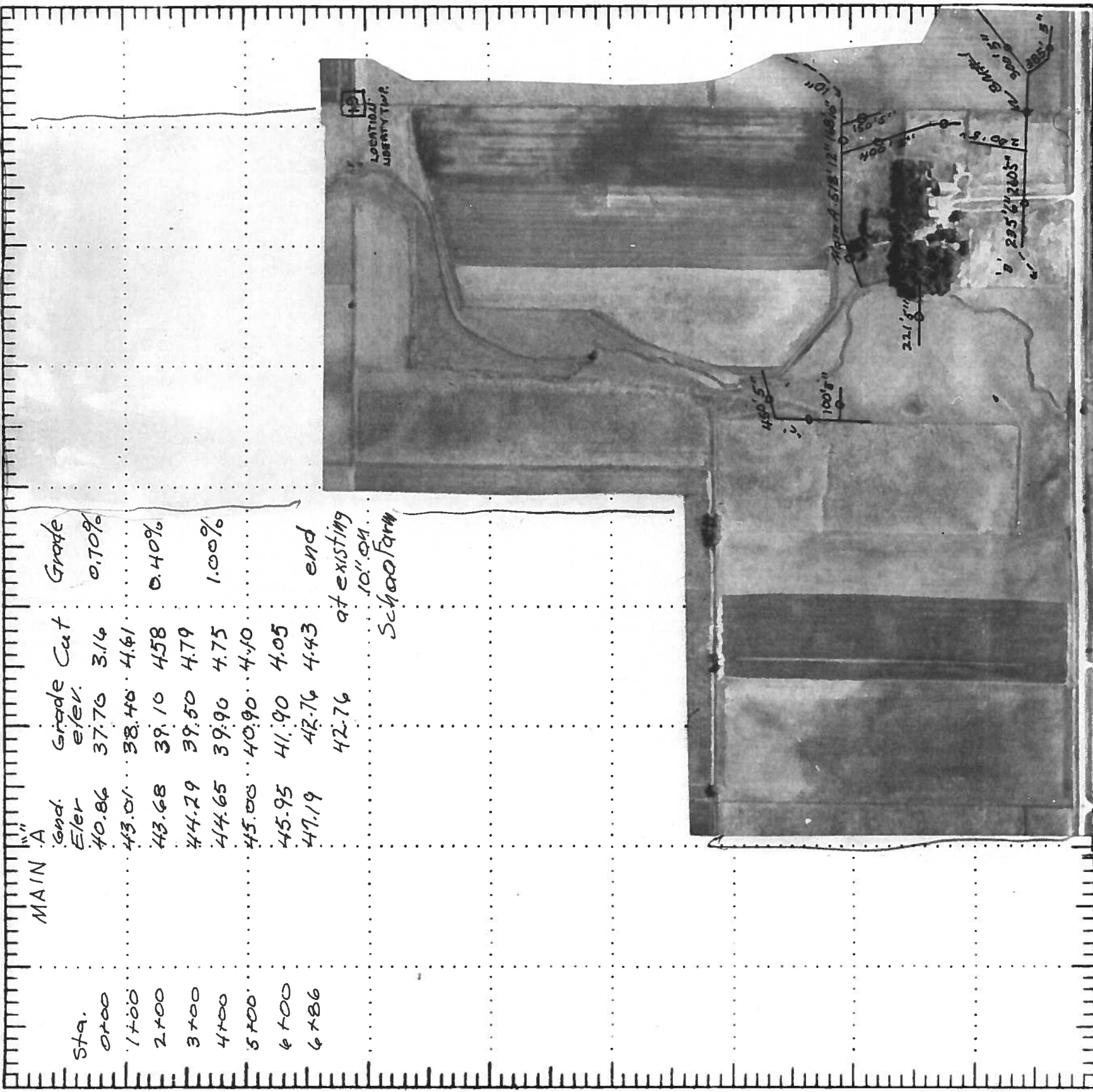


COOPERATOR G. Huisings SEC. 19 T. 88. R. 24.  
 COOPERATING WITH HAMILTON  
 COUNTY HAMILTON STATE IOWA  
 SURVEYED SCS DATE \_\_\_\_\_

**TILE DRAINAGE PLAN**  
 AS BUILT

U. S. DEPARTMENT OF AGRICULTURE  
 SOIL CONSERVATION SERVICE

Date \_\_\_\_\_  
 Approved by C. H. A. Mcnelly  
 Title SCS T. E. S. C. H.  
 Drawn C. H. A.  
 Traced \_\_\_\_\_  
 Checked C. H. A.



Sta.	End. Elev.	Grade Elev.	Grade Cut	Grade
0+00	40.86	37.76	3.16	0.70%
1+00	43.01	38.40	4.61	
2+00	43.68	39.10	4.58	0.40%
3+00	44.29	39.50	4.79	
4+00	44.65	39.90	4.75	1.00%
5+00	45.00	40.90	4.10	
6+00	45.95	41.90	4.05	
6+86	47.19	42.76	4.43	end

at existing  
 10" O.M.  
 Schaa Farm

**LOCATION PLAN**

**LEGEND**

- Proposed Tile Line
- New Tile installed
- Existing Deep Ditch
- Existing Shallow Ditch
- Proposed Deep Ditch
- Existing Shallow Ditch
- Proposed Shallow Ditch

SCALE 1 IN. EQUALS 440 FEET