

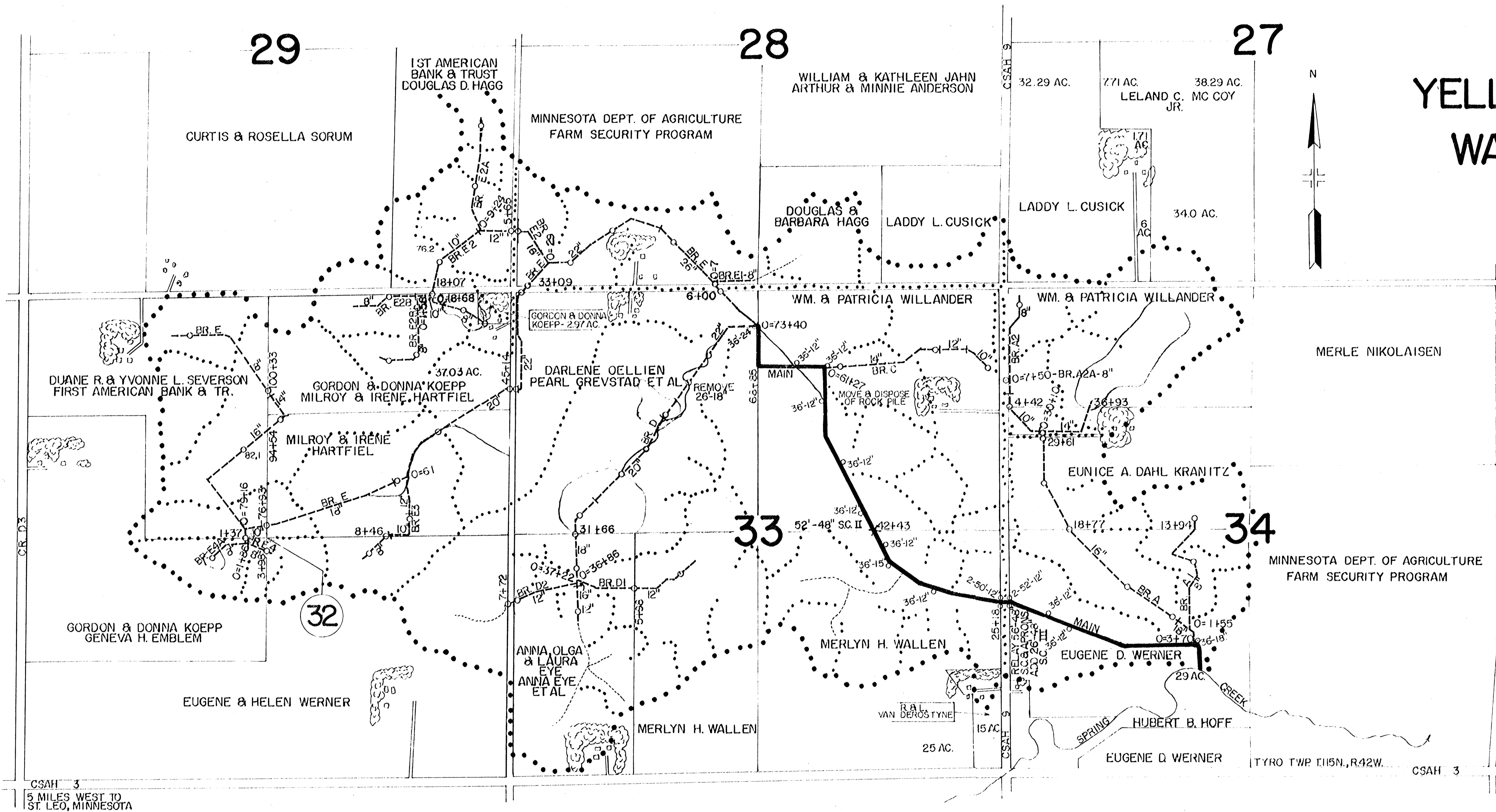
PLANS

DITCH NO. 18

YELLOW MEDICINE RIVER

WATERSHED DISTRICT

MINNESOTA



INDEX

SHEET NO. 1	PLAT, INDEX & ESTIMATED QUANTITIES
SHEET NO. 2	PROFILE OF MAIN & BRANCHES A, A1, A2, A2A, C, D, D1 & D2
SHEET NO. 3	PROFILE OF BRANCHES E, E1, E2, E2A, E2B, E2B1, E3, E4 & E4A
SHEET NO. 4	DETAILS SHOWING OPEN DITCH, OUTLET PIPE & TILE INLET
SHEET NO. 5	THRU 6 CROSS SECTIONS OF MAIN

ESTIMATED QUANTITIES

OPEN DITCH						
BRANCH	STA.	TO STA.	LENGTH	BOTTOM	CUBIC YARDS	SEEDING - ACRES SIDE SLOPES/WASTE BANK
MAIN	0	73+40	7,340'	4'	46,481	8.2 5.6

DISPOSE OF ROCK PILE

CLEARING AND GRUBBING

BRANCH	SECTION	TWP	RANGE	OPEN DITCH		TILE WORK	
				TREES	DISPOSE OF	TREES	STUMPS
MAIN	34	115 N	42W	12			
MAIN	33	115 N	42W	48	17		
A	34	115 N	42W			8	
C	33	115 N	42W				29
D	33	115 N	42W				45
E2	32	115 N	42W			8	
				60	17	61	29

CULVERTS				HIGHWAY CULVERTS			
NUMBER	TOTAL LENGTH	SIZE	TYPE	NUMBER	TOTAL LENGTH	SIZE	TYPE
I	54'	48"	RCP II	RELAY	56'	48"	RCP
I	36'	24"	CM 16	2 RELAY	8' APRONS	48"	RCP
I	36'	18"	CM 16	F & I.	26'	48"	RCP III
I	36'	15"	CM 16	HIGHWAY CROSSINGS TO INCLUDE			
13	528'	12"	CM 16	MECHANICAL COMPACTION			
4 BANDS		12"	CM 16				

HAUL EXCAVATED MATERIAL FROM TILE TRENCH TO HIGH GROUND AND LEVEL		TILE WORK			
BRANCH	LENGTH	SIZE	LENGTH	AVE. DEPTH	INLETS
D	1,200'	26"	1,480'	5.8'	8"-61
E2	540'	22"	4,490'	7.0'	
E4A	150'	20"	2,962'	7.3'	
TOTAL	1,890'	18"	2,694'	5.8'	
		16"	5,338'	5.5'	
		14"	2,273'	6.1'	
		12"	3,746'	4.5'	
		10"	2,638'	4.8'	
		8"	9,251'	4.6'	
TOTAL			34,877'		

OUTLET PIPE

NUMBER	TOTAL LENGTH	SIZE	TYPE
I	20'	30"	CM 14
I	20'	24"	CM 16
I	20'	21"	CM 16
I	20'	15"	CM 16
REMOVE	26'	18"	CMP

WITH FLAP GATES

CSAH 3
5 MILES WEST TO
ST. LEO, MINNESOTA

CHAMBERLAIN ENGINEERING COMPANY, MONTEVIDEO, MINNESOTA

I hereby certify that this plan, specification, report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer in the State of Minnesota. <i>Ed. J. Chamberlain</i> Reg. No. 3359	MAPPING	C. W.	8-85	DESIGN
	PRELIM. SURVEY	L. T.	10-85	DRAFTING
	DESIGN	G. S.	1-86	REVISED
	DRAFTING	S.O.	1-86	CONST. SURVEY
	FINAL SURVEY			CORRECTED PLAN