

BK 42 Dr 16

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

----- Drainage ----- Survey

Irber Ditch Koch Ditch

From Keller to Pky.

Road Acc't. No. -----

Date Filed ----- File -----

BK 42 Dr 16

①

Stadia Survey
Keller Pkwy.
East of Arcade St.

Sta.	Azimuth	Stadia	Dist.	Red.	Elev.
	$H.I. = 867.14$				
$\Delta \# 1$	$0^{\circ}00' = \text{North}$			5.3	861.8
	$117^{\circ}43' = \text{Azimuth to \& of Pool Farm Water Tank}$				
	$35^{\circ}53'$	0.19	2.0'	9.61	857.53
Fc. Line	$313^{\circ}45'$	1.11		6.2	60.9
S. Edge Garden	$327^{\circ}35'$	1.29		5.8	61.3
Fc. Line	$328^{\circ}45'$	0.75		9.5	58.6
S. E. Cor. Garden	$340^{\circ}00'$	1.08		7.8	59.3
	$350^{\circ}30'$	1.55		3.4	63.7
	$16^{\circ}00'$	1.50		4.6	62.5
Fc. Line	$12^{\circ}40'$	0.35		9.2	57.9
	$5^{\circ}30'$	0.81		9.0	58.1
Top Bank Ditch	260-	0.34		9.1	58.0
"	$36^{\circ}30'$	0.34		9.2	57.9
& 5' Wide Ditch	$31^{\circ}15'$	0.34	-	10.9	56.2
"	$36^{\circ}40'$	0.54	-	11.2	55.9
Top Bank Ditch	$32^{\circ}50'$	0.54		9.5	57.6
"	$39^{\circ}10'$	0.54		9.3	57.8
Nat. Ground.	$35^{\circ}10'$	1.52		7.2	59.9
& Ditch	$41^{\circ}30'$	0.74		10.6	56.5
End Ditch	$45^{\circ}30'$	1.00		9.2	57.9
Ground.	$50^{\circ}00'$	1.50		9.3	57.8
Fc. Line	$79^{\circ}30'$	0.49		9.0	58.1
"	105°-	0.96		7.5	59.6
Ground.	$76^{\circ}15'$	1.49		9.3	57.8

8-22-40
K.A.
L.G.
M.B.

(2)

Description

LAKE ELEV. = 858.42

#1 = E of Culvert Under Keller Pkwy.

Flow Line End 24" C.M. Culv. 1' X 5' Conc. Head wall

Cor. Garden and Orchard.

S.E. Cor. Orchard.

S.W. Cor. Garden.

2' wide

S.E. Cor. Garden.

Sta	Azimuth	Stadia	Dist.	Rod.	Elev
H.I. = 867.14					
Ground	62°50'	1.78		9.7	857.4
"	57°00'	2.13		10.4	56.7
"	55° -	2.48		10.1	57.0
"	49°45'	2.93		10.3	56.8
"	45°30'	3.58 -		10.3	56.8
"	42°45'	3.90 ✓		9.7	57.4
"	44° -	4.30 -		9.6	57.5
"	43°15'	4.68 -		8.8	58.3
"	41°15'	5.27 ✓ $\frac{1}{2}$		6.4	60.7
Box Ditch	44°30'	2.32	464 ✓	11.9	55.2
Top Bank	43°45'	4.60 ✓		9.0	58.1
" "	45°45'	4.69 -		8.8	58.3
Fc. Line	113°50'	1.53		6.2	60.9
Ground	94°45'	1.57		7.6	59.5
"	76°00'	1.85		9.3	57.8
"	65°15'	1.13		9.7	57.4
"	59°45'	4.60 ✓		9.0	58.1
"	35°00'	4.52 ✓		8.1	59.0
"	30° -	$\frac{1}{2}$ 2.18	436 ✓	6.4	60.7
"	29°45'	$\frac{1}{2}$ 1.86	372 ✓	4.3	62.8
"	30°15'	2.90		4.6	62.5
"	32°45'	2.46		7.3	59.8
Top Bank	58° -	3.40 ✓		10.9	56.2
" "	59°30'	3.52		11.2	55.9

3

Description

E. & W. Fg. Ling

10' Bottom

Sta	Azimuth	Stadia	Dist	Red	Elev
		H.I. = 867.14			
		$\frac{1}{2}$			
R. Ditch	59°—	1.73 ✓	346	13.3	853.8
" "	66°30'	$\frac{1}{2}$ 1.55	310—	13.4	853.7
Top Bank	65°45'	3.09—		11.2	55.9
" "	67°—	3.20—		10.3	56.8
Fg. Line	59°30'	4.22—		10.1	57.0
End Ditch	71°00'	1.55		12.5	54.6
Fg. Line	53°30'	4.52—		9.6	57.5
Fg. Cor.	42°45'	$\frac{1}{2}$ 2.72	544 ✓	5.6	61.5
N. & S. Fg. Line	68°30'	3.92 ✓		10.7	56.4
Ground	77°—	3.35—		10.7	56.4
N. & S. Fg. Line	80°30'	3.70 ✓		11.3	55.8
Ground	82°45'	3.20—		11.0	56.1
N. & S. Fg. Line	94°00'	3.62 ✓		10.7	56.4
Ground	91°30'	2.83		10.0	57.1
N. & S. Fg. Line	105°—	3.70 ✓	✓	9.6	57.5
Ground	100°30'	2.80		9.6	57.5
Fg. Cor.	123°—	1.15 ?	230	6.3	60.8
Fg. Line	119°45'	1.30 ?	260	6.6	60.5
12' Wide R. Driveway	324°—	2.02			
"	304°30'	1.52		2.2	64.9
R. Keller Pkwy.	292°30'	2.29		1.6	65.5
" "	294°—	1.43		3.3	63.8
" "	296°30'	0.55		5.5	61.6
" "	122°30'	0.40		4.9	62.2

Description

5' Wide Bottom

3' Wide Bottom

N. & S. Fg. Line

N. & S.

20' Wide Black Top

Sta	Azimuth	Stadia	Dist.	Red	Elev
H.I. = 867.14					
℄ Keller Pkwy	124°30'	1.42		3.7	863.4
" "	126° -	2.50		4.1	63.0
" "	126°15'	3.60		3.3	63.8
	216°45'		20'	9.41	57.73
	217° -		20.4'	9.47	57.67
℄ Ditch					
Keller Pkwy	140°30'	0.75		6.1	61.0
" "	217° -	0.22		6.9	60.2
" "	274°30'	0.60		6.9	60.2
Ground Profile over Culv.	227°15'	0.35		6.4	60.7
" "	235°45'	1.03		6.8	60.3
" "	237°15'	1.63		7.0	60.1
" "	237°15'	2.25		7.3	69.8
Top Culv.	237°20'	2.31		8.35	58.79
	237°40'	2.65		10.0	57.1
Spore Line	237°40'	2.59		8.72	858.42
" "	257° -	2.94			
" "	218° -	2.43			

Description

End 24" C.M. Culv. 1' X 5' Conc. Headwall.

Beg. 24" C.M. Culv.

24" X 247.5' C.M. Culv.

Flow Line End 24" C.M. Culv.

Keller Lagoon = Red Beading Top Water

