

Dr. 8-BK. 119 19

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

MAINTENANCE Survey

Proposed Cattle Pass

From White Bear Rd. To 648.7' No. of Co. RD.

Road Acc't. No.

Date Filed. 1937

File

Mtca

Proposed Cattle Pass

White Bear Road.

648.7' North of Co. Rd. "D"

Loc. in Sec. 35, R-22-30

171 + 69.00

165 + 20.32 = Co. Rd "D" Ed. Map Survey

648.68

W. A. Carlson

July 9, 1937

Sta.	T	T	-	Elev.
B.M.	506	105.06		100.0

+50				100.1
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+38				100.1
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172				100.0
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+69	2 Culu.	See P. 3 for X-sec.		100.0 Prop cattle Pass
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171 +50				100.0
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171 +40				100.1
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171 +75				100.1
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+50				100.1
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170 +00				100.1
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4. 4. 4.

100.00 Assumed Elev Top of Reservoir Sta. 172

104.1	104.0	97.3	97.6	00.3	00.3	100.1	99.8	99.8	97.8	97.7	99.0	99.1
1.0	1.1	7.8	7.5	4.8	4.84	4.99	5.28	5.3	7.3	7.4	6.1	6.0
50	34	27	22	15	10		10	15	20	21	22	50
104.1	103.9	103.4	97.4	97.4	100.3	100.2	100.1	99.8	99.7	96.1	94.7	93.5
1.0	1.2	17	77	77	4.8	4.87	5.00	5.27	5.4	9.0	10.4	11.6
100	50	33	26	22	15	10		10	16	27	50	100
103.9	103.3	101.5	100.8	99.1	96.9	96.8	99.9	100.1	100.0	99.8	99.9	92.6
1.2	1.8	36	43	60	82	83	5.2	5.02	5.06	5.28	5.2	12.5
100	85	50	38	28	25	22	15	10		10	17	30
99.7	100.2	Flow Line	98.6	98.6	95.9	95.3	99.8	100.1	100.0	99.7	99.4	92.3
2.4	4.9	5.5	6.5	9.2	13.9	17.7	5.3	5.11	5.12	5.4	5.7	12.80
100	50	35	28	24	22	20	16	10		10	15	28
101.9	101.5	99.6	99.9	98.3	96.1	96.2	99.9	100.0	100.0	99.9	100.0	91.8
3.2	3.6	5.5	6.1	6.8	9.0	8.9	5.2	5.11	5.05	5.16	5.1	13.3
100	85	50	35	28	25	21	15	10		10	15	29
100.7	98.9	98.0	96.5	96.2	97.1	97.1	99.7	100.0	100.1	100.0	99.8	92.6
4.4	6.2	7.1	8.6	8.0	5.3	5.09	4.99	5.09	5.3	5.09	5.3	12.5
100	50	28	26	20	15	10		10	16	28	50	100
99.0	98.3	96.8	97.2	97.1	99.9	100.0	100.1	100.0	100.1	100.0	99.8	92.6
6.1	6.8	8.3	7.9	5.2	5.06	5.06	4.98	5.08	5.0	5.0	5.0	11.6
100	50	28	26	14	14	10		10	15	27	50	100
99.2	98.9	97.1	97.7	97.9	99.9	100.0	100.1	100.0	100.1	100.0	99.8	92.6
5.8	5.5	5.2	5.0	5.2	5.09	5.09	4.96	5.07	5.0	5.0	5.0	11.6
100	50	28	26	20	15	10		10	15	27	50	100
99.6	97.6	98.0	98.0	98.0	100.0	100.1	100.1	100.1	100.1	100.1	100.1	92.6
5.9	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	11.6
100	50	28	26	20	15	10		10	15	27	50	100

Sta.	+	π	-	Elev.
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185.86

0+50

91.1

0+28

91.9

0+16

99.5

0+10

99.7

0+00 =

100.0

0+10

100.0

0+15

99.7

0+22

95.7

0+24

96.0

0+28

98.7

North — South

East

10

10

West

10

10

91.1	91.1	91.1
<u>140</u>	<u>140</u>	<u>140</u>
5		5
91.9	91.9	91.9
<u>132</u>	<u>132</u>	<u>132</u>
5		5
99.5	99.5	99.5
<u>5.6</u>	<u>5.6</u>	<u>5.6</u>
5		5
99.8	99.7	99.8
<u>5.34</u>	<u>5.36</u>	<u>5.26</u>
5		5
100.0	100.0	100.0
<u>5.12</u>	<u>5.12</u>	<u>5.07</u>
5		5
100.0	100.0	100.0
<u>5.09</u>	<u>5.11</u>	<u>5.11</u>
5		5
99.7	99.7	99.7
<u>5.4</u>	<u>5.4</u>	<u>5.4</u>
5		5
95.7	95.7	95.7
<u>9.4</u>	<u>9.4</u>	<u>9.4</u>
5		5
96.0	96.0	96.0
<u>9.1</u>	<u>9.1</u>	<u>9.1</u>
5		5
98.5	98.7	98.5
<u>6.6</u>	<u>6.4</u>	<u>6.6</u>
5		5

Note:

Waste Material can be
disposed of on the east side
bet. Sta. 170+73 to 172+00

Detour traffic on West side

Pavement over Proposed Cattle Pass
cracked and sagged, could be
removed to simplify construction
of Cattle Pass.

Recover 24' x 48' concrete Culvert.

Topography.

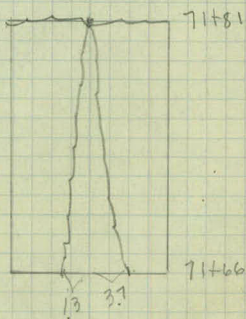
173

+50

172

+69- ϕ 24" X 48" Conc.

+50



171

170+50

N

Cult.

Bar.

+66-T.P. 75

+67-⁸⁶ Cor. Bar.

+50-F. Cor. 78

+37-F. Cor. 25

F. 28'

+98-End Q.R. 14.0

+18-F. Cor. 33

172+5-Ent.

{ 15x32' C.M.
covered by ~~timber~~ }
+29

+81-Transverse crack.

+66-P.P. 27

+66-Cons. Joint.

20' 28'

+62-T.P. 26'

+40-T.P. 30'

F-20'

Corroll

Pasture

Cult.

+43-T.P. 28'

+38-Beg. Q.R. 15'

F-30

F-28

20' Concrete

