

DR. 12A - BK 20

OFFICE OF COUNTY ENGINEER
RAMSEY CO. MINN.

CROSS SECTIONS Survey

-----GERVAIS ST.-----

From WHITE BEAR RD. N. To $\frac{1}{4}$ COR. SEC. 11-29
-22

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

Date Filed-----

File-----

Cross Sections
(Gervais St.)

From Sts. 0+00 = Intersection
Gervais & White Bear Rd. to Stone
Mont. Sts. 13+12.47 = W. 1/4 Cor. Sec. 11.

FB. 5/21/
37

BOOK 20
Pg. 12A

Sta.	+	Δ	-	Elev.
B.M.	4.54	104.54		100.00
0+00				100.9
+16				00.7
+25				00.8
+65				00.7
1				99.5
+50				96.8
2				94.4
+78				94.0
3				94.7
+10				94.9
+50				96.1

Lt.

C

Rt.

Assumed Elev. of Spike in Tel. Blc
45' Rt.

$$\frac{267}{95}$$

0 + 11 Shoulder

$$\frac{265}{95}$$

$$\frac{6.02}{100}$$

$$\frac{21}{27}$$

$$\frac{38}{27}$$

$$\frac{41}{14}$$

$$\frac{57}{17}$$

$$\frac{68}{36}$$

$$\frac{86}{100}$$

$$\frac{36}{80}$$

$$\frac{37}{42}$$

$$\frac{45}{19}$$

$$\frac{36}{16}$$

$$\frac{37}{17}$$

$$\frac{41}{17}$$

$$\frac{57}{17}$$

$$\frac{44}{20}$$

$$\frac{51}{32}$$

$$\frac{77}{100}$$

$$\frac{41}{60}$$

$$\frac{35}{37}$$

$$\frac{48}{15}$$

$$\frac{41}{8}$$

$$\frac{38}{17}$$

$$\frac{45}{18}$$

$$\frac{38}{23}$$

$$\frac{49}{50}$$

$$\frac{81}{100}$$

$$\frac{10.0}{70}$$

$$\frac{6.5}{38}$$

$$\frac{54}{27}$$

$$\frac{6.1}{14}$$

$$\frac{54}{10}$$

$$\frac{5.0}{17}$$

$$\frac{5.5}{17}$$

$$\frac{3.1}{30}$$

$$\frac{3.2}{50}$$

$$\frac{4.1}{80}$$

$$\frac{13.5}{84}$$

$$\frac{6.02}{100}$$

$$\frac{14.1}{100}$$

$$\frac{14.8}{50}$$

$$\frac{10.5}{13}$$

$$\frac{8.1}{8}$$

$$\frac{7.7}{17}$$

$$\frac{8.2}{17}$$

$$\frac{8.7}{31}$$

$$\frac{7.1}{39}$$

$$\frac{6.7}{90}$$

$$\frac{8.4}{97}$$

$$\frac{13.8}{97}$$

$$\frac{17.5}{100}$$

$$\frac{17.5}{50}$$

$$\frac{14.8}{13}$$

$$\frac{10.6}{7}$$

$$\frac{10.1}{13}$$

$$\frac{11.6}{17}$$

$$\frac{11.7}{22}$$

$$\frac{11.2}{23}$$

$$\frac{9.9}{40}$$

$$\frac{10.1}{50}$$

$$\frac{12.7}{100}$$

$$\frac{15.5}{100}$$

$$\frac{16.1}{50}$$

$$\frac{15.6}{16}$$

$$\frac{10.8}{7}$$

$$\frac{10.5}{14}$$

$$\frac{10.6}{19}$$

$$\frac{14.0}{23}$$

$$\frac{13.6}{36}$$

$$\frac{13.4}{50}$$

$$\frac{12.4}{94}$$

$$\frac{14.2}{103}$$

$$\frac{14.2}{100}$$

$$\frac{13.3}{50}$$

$$\frac{12.5}{14}$$

$$\frac{10.0}{8}$$

$$\frac{9.8}{13}$$

$$\frac{10.1}{33}$$

$$\frac{10.6}{50}$$

$$\frac{12.6}{100}$$

$$\frac{14.0}{100}$$

$$\frac{12.0}{50}$$

$$\frac{10.8}{23}$$

$$\frac{11.3}{14}$$

$$\frac{9.8}{8}$$

$$\frac{9.6}{13}$$

$$\frac{10.0}{34}$$

$$\frac{11.7}{50}$$

$$\frac{13.9}{77}$$

$$\frac{15.8}{85}$$

$$\frac{11.6}{140}$$

$$\frac{14.0}{100}$$

$$\frac{11.7}{100}$$

$$\frac{5.7}{50}$$

$$\frac{4.7}{38}$$

$$\frac{9.8}{29}$$

$$\frac{9.8}{14}$$

$$\frac{8.8}{7}$$

$$\frac{8.4}{14}$$

$$\frac{8.8}{26}$$

$$\frac{9.9}{35}$$

$$\frac{11.7}{50}$$

$$\frac{13.4}{61}$$

$$\frac{15.2}{78}$$

$$\frac{15.5}{86}$$

$$\frac{11.3}{100}$$

Sta.	+	π	-	Elev.
		104.84		
3+75				96.8
4				96.6
+32				95.4
+55				93.8
+75				92.2
+88				91.2
5				90.4
T.P.	0.57	93.95	11.16	93.38
+17				89.0
+50				86.5
T.P.	1.96	86.58	9.33	84.62
+65				85.3
6				82.6

LT.

E

RT.

$\frac{10.1}{100}$ $\frac{3.2}{50}$ $\frac{2.9}{39}$ $\frac{8.7}{28}$ $\frac{8.8}{17}$ $\frac{8.0}{9}$ $\frac{7.7}{14}$ $\frac{8.3}{21}$ $\frac{4.7}{27}$ $\frac{5.9}{50}$ $\frac{9.8}{76}$ $\frac{11.4}{100}$

$\frac{6.7}{100}$ $\frac{3.7}{20}$ $\frac{4.2}{34}$ $\frac{7.7}{23}$ $\frac{8.2}{9}$ $\frac{7.9}{14}$ $\frac{8.2}{17}$ $\frac{8.6}{21}$ $\frac{8.3}{25}$ $\frac{6.1}{37}$ $\frac{6.1}{50}$ $\frac{7.0}{83}$ $\frac{8.9}{100}$

$\frac{2.1}{100}$ $\frac{3.8}{50}$ $\frac{5.6}{28}$ $\frac{9.4}{20}$ $\frac{9.4}{10}$ $\frac{9.1}{20}$ $\frac{10.1}{24}$ $\frac{8.5}{50}$ $\frac{8.5}{100}$

$\frac{1.0}{100}$ $\frac{1.0}{50}$ $\frac{1.8}{41}$ $\frac{9.9}{33}$ $\frac{10.9}{14}$ $\frac{10.7}{17}$ $\frac{12.0}{25}$ $\frac{9.1}{50}$ $\frac{9.1}{100}$

$\frac{3.2}{100}$ $\frac{2.0}{71}$ $\frac{2.4}{50}$ $\frac{3.2}{40}$ $\frac{11.0}{28}$ $\frac{12.7}{17}$ $\frac{12.3}{18}$ $\frac{13.3}{34}$ $\frac{8.4}{50}$ $\frac{9.0}{100}$

$\frac{5.7}{100}$ $\frac{5.2}{78}$ $\frac{5.4}{50}$ $\frac{5.1}{37}$ $\frac{14.0}{17}$ $\frac{13.6}{10}$ $\frac{13.3}{18}$ $\frac{14.2}{36}$ $\frac{9.2}{80}$ $\frac{9.7}{100}$ $\frac{11.4}{100}$

$\frac{9.4}{90}$ $\frac{13.1}{77}$ $\frac{12.6}{50}$ $\frac{10.4}{38}$ $\frac{10.7}{31}$ $\frac{14.2}{24}$ $\frac{14.7}{9}$ $\frac{14.1}{18}$ $\frac{15.0}{34}$ $\frac{10.9}{80}$ $\frac{10.0}{100}$ $\frac{11.1}{100}$

$\frac{8.5}{100}$ $\frac{10.4}{74}$ $\frac{11.0}{57}$ $\frac{8.0}{43}$ $\frac{4.8}{38}$ $\frac{6.1}{21}$ $\frac{6.0}{14}$ $\frac{5.2}{17}$ $\frac{5.0}{14}$ $\frac{5.2}{19}$ $\frac{5.9}{26}$ $\frac{4.5}{34}$ $\frac{5.7}{50}$ $\frac{2.7}{73}$ $\frac{0.4}{100}$

$\frac{11.3}{100}$ $\frac{11.0}{71}$ $\frac{12.6}{69}$ $\frac{11.8}{50}$ $\frac{10.8}{31}$ $\frac{12.1}{24}$ $\frac{12.2}{15}$ $\frac{7.8}{9}$ $\frac{7.5}{10}$ $\frac{8.6}{11}$ $\frac{11.7}{37}$ $\frac{11.1}{50}$ $\frac{9.5}{100}$ $\frac{3.4}{100}$

$\frac{7.0}{100}$ $\frac{8.8}{50}$ $\frac{9.4}{34}$ $\frac{7.8}{18}$ $\frac{1.5}{8}$ $\frac{1.3}{7}$ $\frac{1.9}{13}$ $\frac{4.7}{30}$ $\frac{7.1}{80}$ $\frac{4.8}{100}$

$\frac{10.3}{50}$ $\frac{10.6}{26}$ $\frac{4.2}{10}$

$\frac{4.0}{8}$ $\frac{4.2}{16}$ $\frac{10.3}{34}$ $\frac{10.9}{50}$ $\frac{10.3}{100}$

Sta.	+	Δ	-	Elev.
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		86.58		
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6+30				81.1
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+65				80.1
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7				79.1
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+25				78.2
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+75				77.1
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8				76.4
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T.P.	4.48	79.99	11.07	75.51
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+80				72.3
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9				72.1
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+45				72.0
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10				72.5
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+50				74.3
-----	--	--	--	------

11				75.4
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Lt.

E

Rt.

$$\frac{102}{50} \quad \frac{106}{43} \quad \frac{106}{20} \quad \frac{56}{11} \quad \frac{55}{8} \quad \frac{60}{16} \quad \frac{106}{37} \quad \frac{104}{80} \quad \frac{98}{50}$$

$$\frac{63}{50} \quad \frac{65}{27} \quad \frac{76}{22} \quad \frac{68}{14} \quad \frac{65}{9} \quad \frac{71}{12} \quad \frac{79}{11} \quad \frac{75}{50} \quad \frac{83}{50}$$

$$\frac{35}{50} \quad \frac{39}{28} \quad \frac{77}{21} \quad \frac{74}{13} \quad \frac{75}{9} \quad \frac{81}{35} \quad \frac{115}{48} \quad \frac{128}{50} \quad \frac{131}{50}$$

$$\frac{74}{50} \quad \frac{84}{27} \quad \frac{93}{23} \quad \frac{93}{18} \quad \frac{83}{13} \quad \frac{84}{9} \quad \frac{93}{12} \quad \frac{113}{32} \quad \frac{127}{50} \quad \frac{148}{50}$$

$$\frac{122}{50} \quad \frac{57}{28} \quad \frac{57}{24} \quad \frac{108}{20} \quad \frac{108}{17} \quad \frac{98}{11} \quad \frac{95}{10} \quad \frac{101}{13} \quad \frac{108}{19} \quad \frac{108}{23} \quad \frac{95}{29} \quad \frac{98}{32} \quad \frac{93}{41} \quad \frac{101}{50} \quad \frac{114}{50}$$

$$\frac{129}{50} \quad \frac{112}{28} \quad \frac{107}{11} \quad \frac{102}{11} \quad \frac{104}{14} \quad \frac{112}{18} \quad \frac{112}{22} \quad \frac{97}{28} \quad \frac{98}{31} \quad \frac{91}{50} \quad \frac{108}{50}$$

$$\frac{104}{50} \quad \frac{104}{21} \quad \frac{100}{12} \quad \frac{82}{9} \quad \frac{77}{9} \quad \frac{81}{13} \quad \frac{105}{20} \quad \frac{111}{50} \quad \frac{116}{50}$$

$$\frac{97}{50} \quad \frac{102}{16} \quad \frac{95}{11} \quad \frac{82}{9} \quad \frac{79}{9} \quad \frac{84}{13} \quad \frac{103}{32} \quad \frac{103}{50} \quad \frac{104}{50}$$

$$\frac{83}{50} \quad \frac{78}{19} \quad \frac{84}{16} \quad \frac{80}{11} \quad \frac{82}{13} \quad \frac{90}{15} \quad \frac{88}{16} \quad \frac{84}{36} \quad \frac{74}{50} \quad \frac{77}{50}$$

$$\frac{102}{50} \quad \frac{93}{14} \quad \frac{80}{9} \quad \frac{75}{10} \quad \frac{75}{12} \quad \frac{82}{15} \quad \frac{82}{17} \quad \frac{76}{32} \quad \frac{71}{50} \quad \frac{67}{50}$$

$$\frac{76}{50} \quad \frac{64}{20} \quad \frac{65}{18} \quad \frac{65}{13} \quad \frac{59}{10} \quad \frac{57}{12} \quad \frac{60}{16} \quad \frac{63}{18} \quad \frac{55}{23} \quad \frac{50}{33} \quad \frac{47}{50}$$

$$\frac{43}{50} \quad \frac{44}{38} \quad \frac{41}{20} \quad \frac{51}{17} \quad \frac{49}{21} \quad \frac{46}{10} \quad \frac{52}{12} \quad \frac{58}{15} \quad \frac{58}{18} \quad \frac{44}{31} \quad \frac{45}{50} \quad \frac{52}{50}$$

Sta.	+	×	-	Elev.
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		79.99		
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11+50				74.8
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12				74.4
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+67				74.7
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13				74.8
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13+12 ⁴⁷ _{Mon.}				74.6
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B.M.			5.42	74.57
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T.P.	5.42	79.99		
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12.43	89.81	2.61	77.38	
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13.05	102.68	0.18	89.63	
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		2.66	100.02	
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				100.00
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Lt.

E

Rt.

$\frac{5.6}{50}$	$\frac{5.6}{19}$	$\frac{5.9}{18}$	$\frac{5.3}{10}$	$\frac{5.2}{/}$	$\frac{5.4}{9}$	$\frac{5.9}{17}$	$\frac{6.4}{16}$	$\frac{5.7}{20}$	$\frac{5.8}{33}$	$\frac{5.9}{50}$
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$\frac{5.2}{50}$	$\frac{5.9}{38}$	$\frac{5.9}{20}$	$\frac{6.4}{17}$	$\frac{6.3}{17}$	$\frac{5.7}{10}$	$\frac{5.6}{/}$	$\frac{6.0}{10}$	$\frac{6.7}{13}$	$\frac{6.9}{17}$	$\frac{6.3}{20}$	$\frac{6.1}{33}$	$\frac{5.7}{35}$	$\frac{5.4}{50}$
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$\frac{6.4}{50}$	$\frac{6.0}{20}$	$\frac{6.4}{18}$	$\frac{5.7}{9}$	$\frac{5.3}{/}$	$\frac{5.1}{17}$	$\frac{5.8}{17}$	$\frac{4.2}{20}$	$\frac{3.2}{32}$	$\frac{2.7}{35}$	$\frac{2.9}{50}$
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$\frac{4.9}{50}$	$\frac{5.2}{21}$	$\frac{5.7}{19}$	$\frac{5.4}{11}$	$\frac{5.2}{/}$	$\frac{5.4}{10}$	$\frac{6.0}{14}$	$\frac{6.0}{17}$	$\frac{5.1}{21}$	$\frac{5.0}{32}$	$\frac{4.8}{50}$
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$\frac{3.3}{50}$	$\frac{5.2}{21}$	$\frac{6.0}{18}$	$\frac{5.5}{11}$	$\frac{5.4}{/}$	$\frac{5.6}{10}$	$\frac{6.3}{15}$	$\frac{6.3}{17}$	$\frac{5.2}{20}$	$\frac{5.1}{32}$	$\frac{4.1}{50}$
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Str. of Stone Mon.

