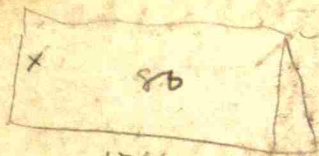


1913

WINDWOOD BRIDGE
NEBRASKA ST BRIDGE
T. W. FRENCH DITCH
ROBT. PEARSON ROAD
EDWARDS BRIDGE
RHYNIERSON BRIDGE
W. H. SCOUT DITCH
SHARP BRIDGE
CHRISTY BRIDGE
PAT MURPHY BRIDGE
GEO. H. MILES DITCH



Jan 21 2037

17.56

$$\begin{array}{r}
 17.40 \overline{) 80} \quad \begin{array}{l} 460 \\ .21 \end{array} \\
 \underline{696} \\
 1040 \quad 460 \\
 \underline{1040} \quad 920
 \end{array}$$

17.50

48

17.02

4.6

10212

6808

718292

9660

119

9775

470

21

470

940

9870

17.01

47

11907

6804

79947

7004 S
138 S
52

3.60 15.60
4.25 14.95

Sidewalks W. Brown

3

St. Brownburg Ind

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
0		1920	5.10	14.10											
0	W 0+10				Four entrances										
1			5.10	14.10											
2			4.60	14.60											
3			4.90	14.30											
3+1	W 3+11														
4			4.60	14.60											
4+39	E 49														
5			4.50	14.70											
5+25			4.00	15.20											
6			3.80	15.40											
6+45			3.00	16.20											
6+4	W 14														
7			3.10	16.10											

N End of 4' walk
Stakes 50' apart one ft
west of west edge of walk except
as noted

Antin Curving

McCarlin entrance

McCarlin walk

direction N 48'

Actual walk

" entrance

7' step

4

$$\begin{array}{r} 17.60 \\ 1.50 \\ \hline 15.80 \\ 3.40 \\ \hline 19.20 \end{array}$$

5

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
8		19.20	3.40	15.80											
8+40	59														
9	180		3.40	15.80											
	17.60														
9+49½	19.10		2.50	15.10											
11															
12			3.40	14.20											
12+2	612														
13			3.60	14.00											
14			4.65	12.95											
14+36	46														
15+1			5.10	12.30											
15+28			4.90	12.70											
15+36	46														

Piercy's Cranny

End of Johnsons walk
already constructed

Ward's Cranny

entrance

end of side walk
" front walk

entrance

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
16		17.60	6.10	11.50											
17			5.80	11.50											
18			5.70	12.50											
19	3.00		5.20	12.40											
19+19	6.31	15.40													
20			3.18	12.22											
21			4.88	10.52											
22			5.33	10.07											
22+20			6.33	9.07											
23			6.80	8.60											

Slope back to road follows walk

deflects right 27°

Monday's entrance

Lower step E. Hayter walk

$$\begin{array}{r} 1140 \\ 440 \\ \hline 700 \\ 840 \\ \hline 1540 \end{array}$$

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL		STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	
24		15.40	8.50	6.90													1 ft east of east edge
25	440		840	7.00		1.00											1 ft east of East edge
24+30	11.40		11.40	.00													to the ditch west side
			4.60														walk east side
26			225	6.80			2.00										Auto road
			4.86	9.15													
27	6.20		2.08	9.32													
		15.52															
28			3.70	11.82		1.00											
29			2.60	12.92		.33											
29+48			2.28	13.24													
30			228	13.24													
31			3.50	12.02													

Mark's walk

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

BM

2.39

"

4.57

Pollard + Todd	8650
Feeney	6000
Arey & Irving	3400
Lingeman	101.45
Alfred Cox	1575
	<hr/>
	29770

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

on notch in root of elm tree near 33

on notch on root of Sycamore tree opposite stake 23

ditch 3400 ft long

Bottom width from 6 to 28 1 ft

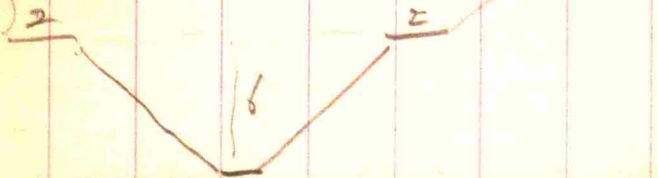
" " " 28 to 34 2 ft

slope 0 to 7 .15 per 100'

" 7 to 25 .25 per 100'

25 to 34 .40 per 100'

banks slope 45°
dirt deposited not more than 2 ft from bench



STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
0+25															
south header <i>Carroll</i> <i>thin</i> of old header pipe level with old pipe north end of pipe 2.4' below stake. pipe in line with stakes. 12" pipe 2.4'								$ \begin{array}{r} 4.30 \\ 3.0 \\ \hline 6.4 \\ 4.30 \\ \hline 2.4 \end{array} $							
9+75															
north end of current culvert 3.3 below stake, south end 3.3 Header 1.5 above stake 3.5 below stake								$ \begin{array}{r} \text{Header } 8.10 \\ 5.30 \\ \hline 2.60 \\ 1.40 \end{array} $							
23+85															
								$ \begin{array}{r} 9.25 \\ 9.25 \\ 2.25 \\ \hline 7.00 \\ 2.00 \\ \hline 7.25 \\ 9.50 \\ 7.25 \\ \hline 2.25 \end{array} $							

Geo H Miles Ditch

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
	10.54	10.54		00			
50			6.70	3.84			
			9.64	.90			
49			4.83	5.71			
			8.87	1.67			
BM 48+10			3.90	6.64			
48			4.86	5.68			
			8.20	2.34			
47			4.30	6.24			
			7.95	2.59			
	4.60	10.84					
46			5.05	5.79			
			7.62	3.22			
45			4.20	6.64			
			7.55	3.29			
44			2.70	8.14			
			7.10	3.44			
43			2.90	7.94			
			7.05	3.79			
	5.90	13.84					
42			5.62	8.22			
			9.80	4.04			

Bottom Barnett Ditch

Note root sycamore tree

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
41		13.84	4.79	9.05											
			4.20	4.64											
40			4.82	9.02											
			8.45	5.39											
39			3.75	70.09											
			7.70	6.14											
BM	4.20	14.29													
			2.70	11.59											
38			3.63	10.64											
			8.30	5.99											
37			3.43	10.86											
			7.64	6.65											
36			2.42	11.87											
			6.68	7.61											
35	5.28	17.15													
			3.10	14.05											
			9.15	8.00											
34			3.20	13.95											
			8.45	8.70											

Note w root walnut at bank
38 + 40

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

0		17.30	15.30	14.53			
1			14.68				
2		13.17	13.17				
3		9.93	10.39				
4		7.35	7.53				
5		5.70	5.60				

630/11.90

6		4.70	4.10				
7		4.00	4.50				
8		4.26	3.00				
9		5.50	4.80				
10		7.85	6.84				
11		9.20	8.70				
12		9.00	8.90				
13		6.54	6.05				
14		4.30	3.70				
15		2.80	2.20				

11 + 10 to 11 + 20 galway
 6 + 35 to 6 + 47 gule
 5 + 30 to 5 + 42 "

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

at 4.5 below station 8' slope
 550° E
 3' above
 at grade

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
0	18 to 38	7.30	4.67				
0			6.81	6.67			
1			1.49	3.63	4.45	5.72	
2				2.24	2.54	3.88	5'
3				1.10	1.68	2.66	3.5'
4				1.68	1.50	2.12	2.5'
5				2.01	3.00	3.78	2'
6				7.05	1.12	1.67	
7				7.30	6.18	5.63	
8				1.15	1.25	2.00	
				6.15	6.05	5.30	
				2.84			
				4.46			
				3.02			
				4.28			

7+40 end

Walk 3' 3" east of line from 7 to 7+40

6+38 to 7 got fairs back to line 1' east

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

Street intersection

down

"

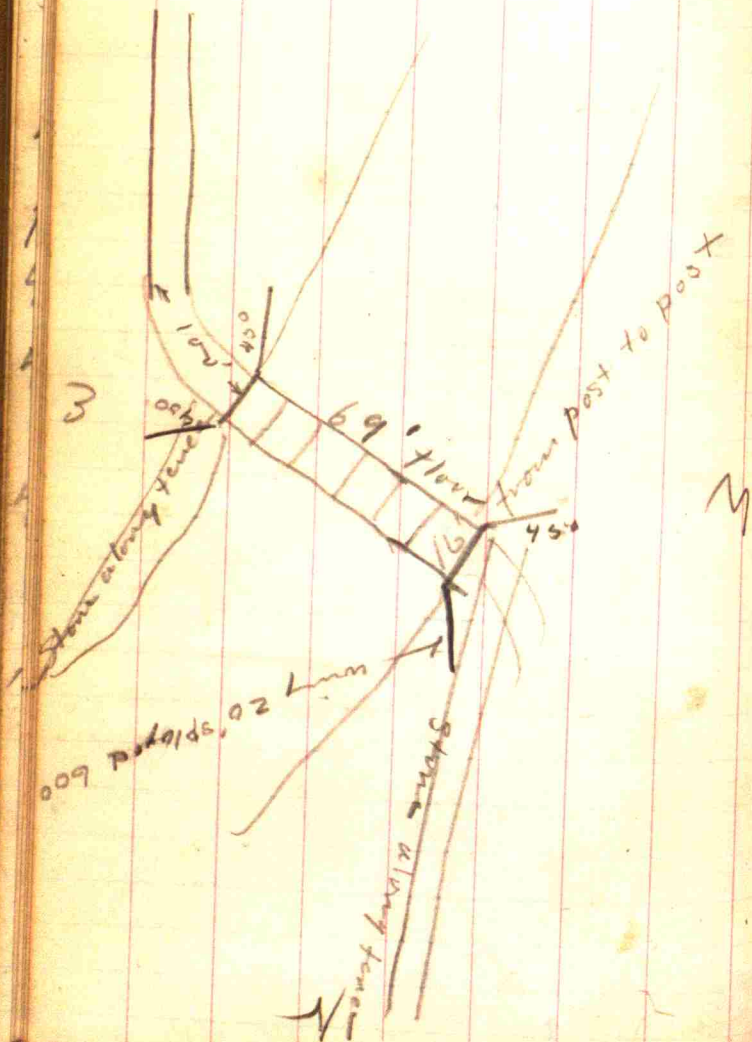
"

Bridge floor

Sand walk

Pat Murphy

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
			S				



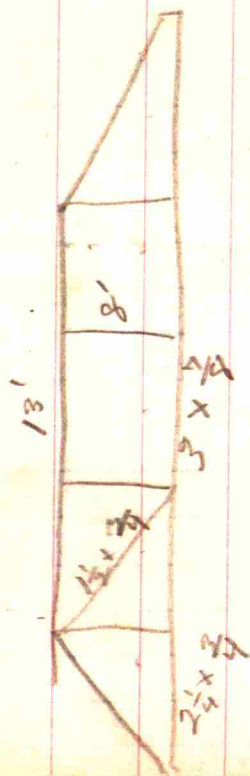
Bridge

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL

5 to ground
13' deep

6" joint
20" floor beams

9 courses of joint



Christy Bridge

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

			1				
--	--	--	---	--	--	--	--

14

12

5

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

			Recorder 485	1885			14.00 above ripple
--	--	--	--------------	------	--	--	--------------------

			1W	4.90	13.95		
--	--	--	----	------	-------	--	--

			SE	4.90	13.95		
--	--	--	----	------	-------	--	--

			SW	3.05	13.80		
--	--	--	----	------	-------	--	--

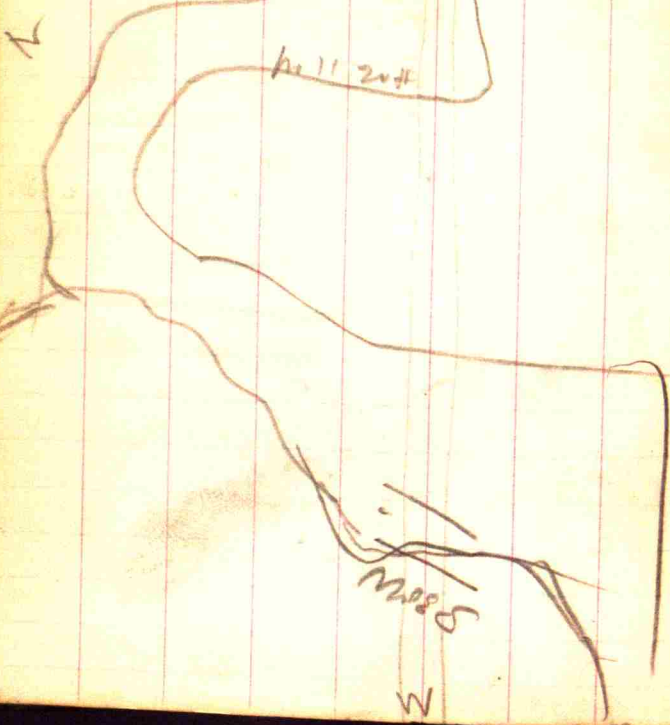
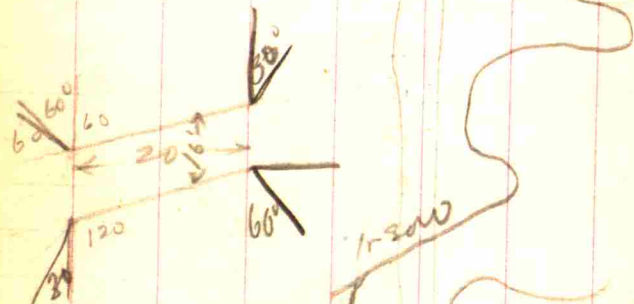
Shoes 12" below floor

			tip sewing	8.55	10.30		
--	--	--	------------	------	-------	--	--

			" SW "	7.40	11.45		
--	--	--	--------	------	-------	--	--

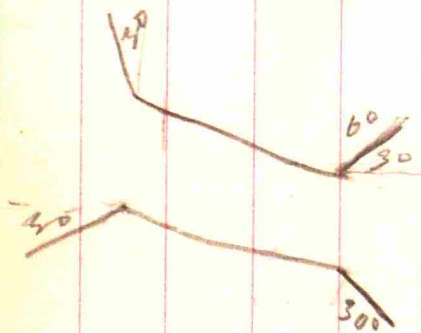
Sharpe Bridge

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------



STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

Sharpe bridge		12.00					
Water line				11.00	1.00	bed	12.00
E bank				6.30	5.70		
100' cut				6.30	5.50		
200 "				4.00	8.00		
300 "				4.00	11.60		
400 "				3.00	7.00		
100 west				1.10	10.80	cut 12' wide at bottom 15' deep	
200 "				6.20	5.80		
300 "	250			9.40	2.60		
400				8.50	3.30		
500				9.00	3.00		
Sharpe bridge				14.00	4.00	water line	
						bed	15.00



W H Stout

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

Waterline Mud Creek
1350 Station

113			7.61	5.89			
BM			50	13.00			
112			5.55	7.95			
111			5.38	8.12			
111	3.70	11.82					
110			3.66	8.16			
109			3.65	8.17			
108			4.12	7.70			
107			4.30	7.52			
106			4.45	7.37			
106	3.58	10.95					
105			3.73	7.22			
104			3.80	7.15			
103			3.42	7.53			
102			3.25	7.70			
102	4.05	11.75					
101			4.53	7.22			
100			4.55	7.20			
99			3.75	8.70			
99	4.22	12.22					
98			4.10	8.12			
97			4.49	7.73			

Dital

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

1350 13.50

00

604

10.872.63

West abutment iron bridge

10.403.10

10.383.12

11.82

8.693.13

8.703.12

8.603.22

8.703.12

8.403.42

10.95

7.703.26

7.243.71

7.183.77

7.103.86

11.75

7.863.89

7.624.13 clean 2.00

12.22

7.984.24

7.884.34

7.954.27

John Brown

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
24		17.58	6.30	11.28			
			10.30	7.28			
23		5.40	12.18				
22		5.60	11.98				
21		4.70	12.88				
20		5.55	12.03				
19		4.40	13.18				
18		5.00	12.38				
17		4.80	12.78				
17	230	13.28					
16		4.01	11.27				
15			3.11	12.17			
14			4.50	10.78			
13			4.70	10.53			
13	465	15.18					
12			4.50	10.68			
11			5.30	9.88			
10			5.04	10.14			
9			4.70	10.48			
8			5.00	10.18			
7			5.40	9.78			
6			6.38	8.80			
6	465	13.45					

Ann Stout Ditch

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		17.58	11.00	6.58			
			11.00	6.38			
			11.10	6.48			
			11.20	6.38			
			11.30	6.28			
			11.40	6.18			
			10.80	6.78			
		13.28	9.00	6.28			
			8.70	6.68			
			8.90	6.38			
			9.30	5.98			
			9.80	5.48			
			9.30	5.98			
		13.28					
			9.30	5.68			
			9.90	5.28			
			9.75	5.43			
			9.65	5.53			
			9.70	5.48			
			9.80	5.38			
			9.70	5.48			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

5			3.65	9.88			
---	--	--	------	------	--	--	--

5	4.00	13.88					
---	------	-------	--	--	--	--	--

4			4.20	9.60			
---	--	--	------	------	--	--	--

3			4.55	9.22			
---	--	--	------	------	--	--	--

2			3.63	10.17			
---	--	--	------	-------	--	--	--

2	4.60	14.77					
---	------	-------	--	--	--	--	--

1			5.20	9.65			
---	--	--	------	------	--	--	--

0			6.00	8.77			
---	--	--	------	------	--	--	--

86			5.44	9.33			
----	--	--	------	------	--	--	--

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

134.5			8.60	4.85			
-------	--	--	------	------	--	--	--

13.88							
-------	--	--	--	--	--	--	--

9.00			4.80				
------	--	--	------	--	--	--	--

8.60			8.20				
------	--	--	------	--	--	--	--

14.77							
-------	--	--	--	--	--	--	--

9.90			4.87				
------	--	--	------	--	--	--	--

9.80			9.97				
------	--	--	------	--	--	--	--

10.00			4.77				
-------	--	--	------	--	--	--	--

585
 66
 3510
 3510
 38,610

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

63+		90				24"	
-----	--	----	--	--	--	-----	--

65+	84		On S SW ⁴			Sec 1	
-----	----	--	----------------------	--	--	-------	--

52		61					
----	--	----	--	--	--	--	--

13		23					
----	--	----	--	--	--	--	--

69+50		to 71				print on north side	
-------	--	-------	--	--	--	---------------------	--

75+20						24" pipe	
-------	--	--	--	--	--	----------	--

40+

79+	37		5 ² mi			Sec 1	
-----	----	--	-------------------	--	--	-------	--

65+		84					
-----	--	----	--	--	--	--	--

13		53					
----	--	----	--	--	--	--	--

89+80						15" pipe	
-------	--	--	--	--	--	----------	--

92						end of road	
----	--	--	--	--	--	-------------	--

85' west of part of wing gate

quarter circle radius 70' to south
 in circle 12" pipe 10' away in

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

--	--	--	--	--	--	--	--

155' south of end fork

Edwards Bridge

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
			435				
			1130				
			.10				

11' span of roadway

6' waterway

7' span of roadway
19' abutment

Edwards Bridge

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL

South approach
bed stream 14' wide
just NW bridge

Edwards Bridge

29' abutment of foot

Robt Pearson

Road

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
BM		9.93	4.90	5.03											
0			5.10	4.83											
1			5.90	4.03											
2			6.10	3.83											
2+28 N			7.00	2.93											
	S		6.90	3.03											
3			6.05	3.88											
4			5.60	4.33											
5			4.60	5.28											
6			4.60	5.23											
7			4.90	5.03											
8			5.10	4.83											
9			5.20	4.73											
10			4.70	5.23											
10	4.20	9.43													
9+10 N			5.30	4.13											
	S		5.20	4.23											
11			4.50	4.93											
12			4.90	4.53											
13			4.80	4.63											
BM.			.50	8.93											
14			4.50	4.93											
15			3.80	5.63											
			4.00	5.43											

S. header culvert end Street Road
 Connection with Street Road

15 A drains south

7 A. drains south

Cor post south of stone

gate north

Purson Pt.

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
16		9.43	3.30	6.13											
17			3.30	6.13											
17	2.00	8.13													
			3.20	4.93											
18			3.80	4.33											
19			4.60	3.53											
20			5.10	3.03											
21			5.10	3.03											
22			5.00	3.13											
23			5.80	2.33											
23	5.30	7.63													
23	75	N	5.80	1.83											
		S	6.00	1.63											
24			5.20	2.43											
25			5.10	2.03											
26			5.25	2.38											
BM			1.00	6.63											
27			5.25	2.58											
28			4.30	2.33											
28	51	N	5.50	1.83											
		S	6.10	1.53											
29			5.30	2.33											
29	6.40	8.73													
30			6.30	2.43											

gate south

road low from 19 to

South

Brace post SE corner

South

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
31		8.73	6.10	2.63											
32			5.30	3.43											
33			5.00	3.73											
34			5.00	3.73											
35	5.10	8.93	4.90	3.83											
36			5.00	3.93											
36 + 70	hr		6.00	2.93											
	S		6.00	2.93											
37			4.80	4.13											
38			4.10	4.83											
39			3.40	3.33											
39	8.73	14.26													
			6.80	7.46											
BM			7.60	6.66											
40			6.20	8.66											
41			3.4	210.84											
41	6.20	17.09													
42			5.05	12.04											
42	7.20	19.24													
43			3.30	15.94											
43	5.90	21.84													
44			6.20	15.64											
45			6.50	15.34											

Geo Pearson's front
Car stop ←

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
46		2184	7.80	19.64											
46	4.70	18.74													
47			6.2	21.99											
47	4.30	16.85													
48			6.00	10.85											
48	4.50	15.35													
48+50	N		5.00	10.35											
	S		5.00	10.35											
49			4.70	10.65											
50			3.80	11.35											
51			5.4	29.93											
			3.72	11.23											
51+70	N+S		5.70	9.65											
52			5.50	9.85											
BM			4.60	10.78											
BM	8.70	19.45													
			8.80	10.65											
53			8.40	10.65											
54			6.50	12.95											
55			3.4	16.05											
56			7.90	11.35											
57			10.40	9.05											
57	4.50	13.85													
58															

10" pipe

150 + 60, Pot Plum

Car rack

Pot Plum gate

Olson Rd

66

67

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
57+77		1375	S	6.90	6.95										
			It	7.10	6.75										
58				5.40	8.40										
59				5.00	8.75										
60				4.50	9.30										
61				6.20	7.65										
62				7.20	6.60										
62	5.50	12.45													
63				6.20	6.25										
63+			S	7.00	5.45										
			It	7.90	4.50										
64				6.10	6.35										
65				5.55	6.90										
BM				5.50	11.90										
66				3.85	7.60										
67				2.30	10.15										
67	5.10	13.25													
68				5.30	9.95										
69				5.30	9.95										
69+	6.0			4.90	10.35										
70				5.00	16.20										
71				6.20	9.05										
72				6.90	7.35										
73				7.30	7.95										

24" pipe 40 A

24" pipe A

Car post north stone

new mill gate

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
73	3.30	11.25													
74			3.50	7.45											
75			4.40	6.85											
75	20	M	4.90	6.35											
		S	5.30	5.95											
76			4.40	6.85											
77			4.35	6.95											
78			3.50	7.75											
79			2.25	9.50											
79	510	1410													
BM			.30	13.80											
80			6.40	7.70											
81			6.95	7.15											
82			7.60	6.50											
82	410	1260													
83			4.85	5.75											
84			5.00	5.60											
85			4.80	5.80											
86			5.40	5.20											
87			5.50	5.10											
88			7.40	3.20											
88	3.20	640													
89			4.30	2.10											
90															

Cor post in corner

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
			25.78	9.26				Bottom	4.1			16.52		.20	
BM			3.04	22.74				1st em place				16.38		.22	
1			4.39	21.39		5.23			25.78	9.40		16.38		.38	
2			4.60	21.18		5.18				9.40		16.38		.44	
3			5.31	20.47		4.63				9.50		16.28		.20	
4			5.24	20.53		4.85				9.90		15.88		.57	
5			5.62	20.16		4.64				9.72		16.06		.30	
5	3.03	23.16													
6			3.49	19.67		4.31			23.16	7.50		15.66		.57	
7			4.45	18.71		3.57				7.45		15.71		.56	
8			3.82	19.34		4.30				7.56		15.60		.98	
9			3.20	19.96		5.08				7.30		15.86		1.14	
10			3.26	19.90		5.18				7.30		15.86			
10	5.69	25.59													
11			3.01	22.58		8.02			25.59	9.80		15.79		.84	
12			4.00	21.59		7.19				10.35		15.24		1.00	
13			4.62	20.97		6.73				10.35		15.24		1.28	
14			4.64	20.95		6.87									
14	4.08	25.03							25.03	9.67		15.36		1.24	
15			4.71	20.32		6.40				9.87		15.16		1.22	
16			4.36	20.67		6.91				10.05		14.98		1.28	
17			4.50	20.53		6.93				10.15		14.88			
17	3.29	23.82													
18			4.50	19.32		5.88			23.82	9.20		14.62		1.18	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
19		23.82	3.74	20.08		6.80	
20			3.70	20.12		7.00	
20	3.55	23.67					
21			3.90	19.77		6.81	
22			4.41	19.26		6.46	
23			4.14	19.53		6.89	
23	5.92	25.45					
24			4.86	20.59		8.11	
25			5.80	19.65		7.33	
BM			1.62	23.83			
25	3.0						
BM	1.40	24.23					
26			4.81	19.42		7.26	
27			5.00	19.23		7.23	
27	3.98	23.21					
28			3.76	19.45		7.61	
29			4.20	19.01		7.33	
30			4.24	18.97		7.45	
31			4.90	18.31		6.93	
32			4.70	18.51		7.31	
32	3.25	21.76					
33			3.28	18.48		7.44	
34			4.32	17.44		6.56	
35			3.79	17.97		7.25	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		23.82	9.30	14.52		1.24	
			9.50	14.32		1.20	
		23.67	9.40	14.27		1.31	
			9.15	14.52		1.72	etc
						1.63	
		25.45	11.44	14.01		1.53	
			10.88	14.57		2.25	
Concrete Post at mouth Stayton Ditch mouth Stayton Ditch							
		24.23	9.90	14.33		2.17	
						2.19	
		23.21	9.16	14.05		2.21	
			9.30	13.91		2.23	
			9.10	14.11		2.59	
			9.30	13.91		2.55	
			9.10	14.11		2.91	
		21.76	8.38	13.46		2.42	
			8.10	13.66		2.78	
			8.15	13.61		2.89	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
36		2176	4.05	17.71		7.15					21.76	8.45	13.31		2.75
37			4.42	17.34		6.94					8.70	13.06		2.66	
38			3.83	17.93		7.69					8.40	13.36		3.12	
39			4.92	16.84		6.76					8.40	13.36		3.28	
39	5.56	22.40								22.40					
40			5.81	16.59		6.67					9.57	12.83		2.91	
			4.27	18.13											
BM			1.86	20.54											
41			6.41	15.94		6.18					9.45	12.95		3.19	
106			5.80	16.66		7.00								3.35	
106	4.28	20.88													
107			5.92	14.96		5.52					20.88	7.93	12.95		3.57
108			4.45	16.43		7.15					8.5	12.33		3.05	
109			4.50	16.08		6.96					8.81	12.07		2.95	
110			5.00	15.88		6.92					8.80	12.08		3.12	
111			5.12	15.76		6.96					8.90	11.98		3.18	
111	3.52	19.28													
113			4.07	15.21		6.73					19.28	7.80	11.48		3.50
114			3.96	15.32		7.00					7.32	11.96		3.64	
115			4.34	14.94		6.78					7.25	12.63		3.87	
115	4.77	19.71													
116			4.72	14.99		6.99					19.71	8.45	11.26		3.26
117			5.70	14.61		6.17									
117	5.71	19.22													
											19.22	7.85	11.37		3.53

Brady's plan

Concrete post near sta 41

Post

between 111 and 112 in plan 58

20.88 112

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
118		19.22	4.93	14.29		6.61	
118	428	18.57					
119			4.35	14.22		6.70	
120			4.02	14.55		7.19	
121			4.00	14.57		7.37	
121	381	18.38					
122			4.15	14.23		7.19	
123			4.80	13.58		6.70	
123	504	18.62					
124			5.32	13.30		6.58	
125			4.36	14.26		7.70	
126			4.75	13.87		7.47	
B.M.			1.00	17.62			
127			3.80	12.82		6.58	
127	392	16.74					
128			3.76	12.98		6.90	
129			4.78	11.96		6.04	
130			4.82	11.92		6.16	
131			4.83	11.91		6.31	
132			5.88	10.86		5.42	
132	600	16.86					
133			5.64	11.22		5.94	
134			5.12	11.74		6.62	
B.M.			12.1	16.65			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	
		19.22	8.15	11.07		3.39		
			18.57	7.65	10.92	3.40		
			7.90	10.67		3.31		
						3.14		
		18.38	8.04	10.34				
			8.10	10.28		3.24		
			8.80	9.58		2.70		
			18.62	8.82	9.80	3.08		
			9.30	9.32		2.76		
			9.85	8.77		2.37		
			Concrete post near sta 127					
			10.10	8.52		2.28		
			16.74	8.72	8.02	1.94		
			8.80	7.94		2.02		
			9.15	7.59		1.83		
			9.20	7.54		1.94		
			9.90	6.84		1.40		
		16.86						
			9.90	6.96		1.68		
			9.90	6.96		1.84		
			top cover up for sta 134					

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
135		16.86	7.20	9.66		4.70	
136			6.28	10.58		5.78	
136	3.2	13.79					
137			3.50	10.29		5.65	
138			3.82	9.97		5.49	
139			4.44	9.35		5.03	
140			4.35	9.44		5.28	
141			4.38	9.41		5.41	
142			4.60	9.19		5.35	
143			4.85	8.94		5.26	
144			4.55	9.24		5.72	
145			6.00	7.79		4.43	
145	5.27	13.06					
146			4.78	8.28		5.08	
147			4.96	8.10		5.06	
148			5.82	7.24		4.36	
148	5.16	12.40					
149			4.5	27.88		5.16	
150			5.10	7.30		4.74	
151			6.23	6.17		3.77	
152			5.90	6.50		4.26	
BM.			2.20	10.20			
BN	.64	10.84					
153			4.15	6.69		4.61	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	
			16.76	10.30	6.56		1.60	
				10.50	6.36		1.56	
			13.79	7.60	6.19		1.55	
				8.30	5.49		1.01	
				8.51	5.28		.96	
				8.45	5.32		1.18	
				9.00	4.79		.79	
				9.10	4.69		.85	
				9.30	4.49		.81	
				9.35	4.44		.92	
				9.50	4.29		.93	
			13.06				1.04	
				8.86	4.20		1.16	
							1.02	
			12.40	8.50	3.90			
				8.62	3.78		1.06	
				9.00	3.40		.84	
				9.00	3.40		1.00	
				9.10	3.30		1.06	
			Month parapet event					
			10.84	7.90	2.94		.86	

S	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
1	154		10.84	5.14	5.70		3.78									
2	155			5.07	5.77		4.01			10.84	8.92	1.92				
2	156			4.88	5.96		4.36				9.40	1.44				
2	157			5.20	5.64		4.20				9.52	1.32				
2	158			5.10	5.74		4.46				9.90	.94				
	BM			.00	10.84						9.90	.94				
2	BM	1.67	12.51													
2	159			5.88	6.63		5.51									
2	160			7.66	4.85		3.89			12.51						
2	161			7.90	4.61		3.81				10.10	2.41			1.45	
2	161	4.67	9.28								11.40	1.11			1.31	
2	162			4.76	4.52		3.88				9.28	8.60	.68		1.04	
2	163			4.60	4.68		4.21				8.84	.44				
2	164			5.15	4.13		3.81				8.60	.68			1.36	
2	164	4.37	8.50													
2	165			4.68	3.92		3.76				8.50	8.28	.22		1.06	
2	166			5.31	3.19		3.19						.11			
2	167			5.00	3.50						8.50	.00				

1/2 parapet Benthurst Bridge

12.51 ——— 5 line bridge

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

B.M.	3.5						
------	-----	--	--	--	--	--	--

1			3.10				
---	--	--	------	--	--	--	--

2			4.70				
---	--	--	------	--	--	--	--

B.M.			3.20				
------	--	--	------	--	--	--	--

3			5.40				
---	--	--	------	--	--	--	--

4			7.50				
---	--	--	------	--	--	--	--

4+60	4204						
------	------	--	--	--	--	--	--

4+60			11.15				
------	--	--	-------	--	--	--	--

			9.75				
--	--	--	------	--	--	--	--

			4.25				
--	--	--	------	--	--	--	--

			4.20				
--	--	--	------	--	--	--	--

			3.85				
--	--	--	------	--	--	--	--

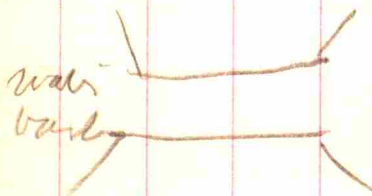
			4.10				
--	--	--	------	--	--	--	--

--	--	--	--	--	--	--	--

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

--	--	--	--	--	--	--	--

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STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

3-6.50
~~7.10~~

6-6.90
~~5.50~~

1-x ice ⁽¹⁰⁰⁾
 10.90

2-gra ^{5.40}
 5.50

7-6.90
^{5.50}

10.90

⊙ 3.60 5.30

⊙ 7.10 12.40

8 1.80 10.60

830 18.90

⊙ -30 19.20

⊙ 3.20 22.40

.50 21.90

7.00 15.40

11.60 10.80

7.20 15.20

3.40 19.00

3.40 19.00

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

old bridge floor

200

100' south

100 north

200 "

300 "

Place rock 3 feet w gate at little
 town

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

			240	15.0	20.90		
			3.00	19.40			
			3.00	19.40			
			2.00	20.40			
			— .80		23.20		

			4.90	15.50	10.60		
			2.30	13.00			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
------	------	------	------	-------	-------	-----	------

400							
500	"						
600	"						
700	"						
800	"						

Bridge floor
Order of partial post 3 @ bridge

y

x

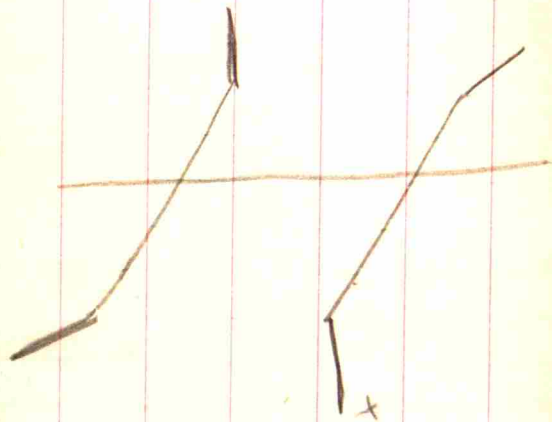
Nebraska St Bridge

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
		1630	4.00	12.30				200'	North						
			5.30	11.00				100'	"						
			9.50	6.80				bridge							
	BM		4.80	11.50				Cor post	SW bridge						
			8.50	7.80				100'	South						
			4.10	12.20				200	"						
			5.20	11.10				300	"						
			15.60	.70				400	"						
	0		9.50	6.80											
	0	3.00	9.80												
			8.50	1.30					upper ripple						
			9.80	00					lower						
			6.30	3.50					SW bank						

banks 2' high

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL

S 90° W



1135

3.65
6.10

x

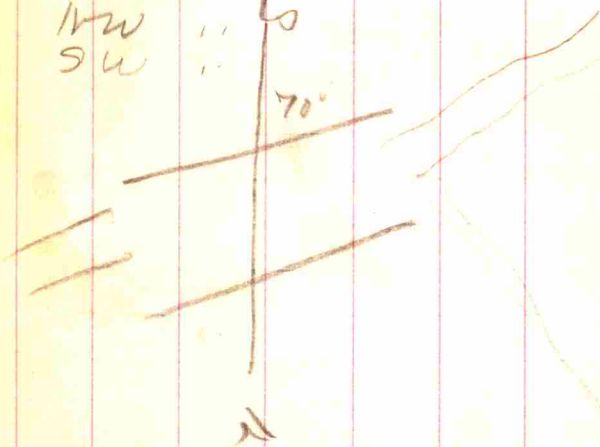
STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL

$$\begin{array}{r} 11.35 \\ 3.65 \\ \hline 7.70 \end{array}$$
bottom
100' east

Osborne Bldg.

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
BM	9.60	1.60	8.00												
			4.75	4.85											
			9.40	.20											
			9.60	.01											
			7.00	2.60											
			7.30	2.30											
			6.85	2.75											
			6.00	3.60											

Clear Roadway . 20
 Old bridge 5 x 12
 top brace post SE.
 top old bridge -
 water west
 " east
 SE wing
 NE wing
 NW " 6
 SW "



STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
B.M.		12.40	2.05	10.35			
0			2.25	10.15			
1			2.60	9.80			
2			2.60	9.80			
B.M.			.99	11.41			
3			3.44	8.96			
4			5.62	6.78			
4+65			12.40	0.00			
SW			10.50	1.90			
NW			10.90	1.50			
NE			11.40	1.40			
SE			10.50	1.90			
5			5.40	7.00			
6			5.05	7.35			
7			4.30	8.10			
7	4.20	12.30					
8			4.50	7.50			
9			5.05	7.25			
10			5.00	7.30			
11			.26	12.04			
11	11.90	23.94					
12			8.08	15.86			
13			8.10	20.84			
14			4.2	19.74			

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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Cor stone

end Bowmans walk

water

Banks 8' span
Symmetricalfill to be widened
elev same

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
67	23.48	4.50	18.68				
68		37.0	19.78				
69	8.05	30.43	1.15	22.38			
70		5.6	24.89				
71		4.3	26.13				
72		4.25	26.18				
73		3.6	26.89				
74		3.10	27.33			3.00	
75		2.25	28.18				
76		4.80	25.63				
77		4.5	25.93				
78	7.90	33.63					
79		9.10	24.73				
80		8.60	26.23				
81		5.53	28.30				
82		4.40	29.43				
83		4.09	29.74				
84		3.50	30.33				
85		3.15	30.68				

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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quite

W farafel

Buddy 6' star 18
W wing
top and farafel

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
82	33.83	2.30		31.53		5.35	
83		7.4		32.38			
83	820	40.38					
84		7.4		33.13			
85		6.2		34.18			
86		5.30		35.28			
87		4.15		36.13			
88		2.2		38.38			
89		— .03		40.61			
89	9.13	49.71					
90		7.65		42.06			
91		5.9		43.81			
92		4.80		44.91			
93		2.48		47.23			
94		.60		49.11			
94	7.1	56.11					
95		5.1		50.96			
		2.6		53.49			
	4.55	58.04					
96		5.52		52.52			
97		4.07		53.07			
98		2.88		55.16			
98	6.75	1.40		56.64			
99	3.0	63.39					
		6.46		51.59			
					56.94		

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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56.64							
6.75							
63.39							
6.45							
56.94							
51.59							
5.35							

Stop clear

Shelley's gate closed.

+

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
100		3804	4.70	53.34		5.35	
101			3.60	54.44			
101+10		2.30	55.77	61.09			
102		3.84	54.20				
102+90		3.27	54.77	61.12			
103		5.77	52.27				
104		9.58	48.46				
BM		7.87	50.17	55.52			
BM. 85	51.02						
104+70E		6.90	44.12	49.47			
105		6.40	44.62				
106		9.56	41.46				
106+30		11.60	39.42	44.77			
107		10.30	40.72				
108		10.35	40.67				
109		10.10	40.92				
110		10.20	40.82				
111		8.10	42.92				
111	1290	55.52					
BM		11.40	44.42	49.77			
W		15.90	39.92	45.27			
E		14.90	40.92	46.27			
112		12.00	43.82				
113		9.90	45.92				

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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Cravens gate house
Then water both ways from gate
Craven gate barn

home step church

12" pipe

12" pipe at 6.30 E
interlocking road

NE Cor. for pipe bridge
Pipes at north end to ditch
and ditch

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
114		55.82	7.96	47.86		5.35									
115			5.81	50.01											
116			3.58	52.24			2.00								
117			7.30	55.52											
117	11.90	67.42													
118			7.12	60.80											
119			1.38	66.04											
119	9.29	75.33													
119			8.10	67.23											
119+80			7.47	67.88		73.23									
120			6.97	68.38											
121			4.98	70.35											
122			3.71	71.62											
123			3.70	71.63											
123+15	W		6.20	69.08		74.43									
	E		5.40	69.93		75.28									
124			2.23	73.10											
124	11.10	84.20													
125			5.80	78.40											
126			2.38	81.82											
126+00			2.75	81.43		86.80									
127			2.91	81.29											
128			5.05	79.15											
129			11.60	79.60											
129	9.56	89.16													

2' fill from bridge to station

Road cut

12" P117 - 6 A rolling

Roller gate 5' cut

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
128+70	89.16		13.50	75.66		91.01	
	E		12.30	76.86		5.35	
130			7.95	81.21			
131			4.29	84.87			
132			1.60	88.56			
132	74.39	93.99					
132+50W	10.00		85.99		91.34		
133			6.58	89.41			
134			5.19	90.80			
135			2.97	93.02			
136			1.25	96.74			
136	94.10	105.14					
137			7.22	97.92			
138			5.11	100.03			
139			3.56	101.58			
140			1.64	103.50			
140	96.8	113.15					
141			8.12	105.06			
142			6.54	106.64			
143			4.70	108.48			
144			5.12	107.06			
145			4.83	109.35			
144+ E			6.50	106.68	102.03		
W			5.60	107.58	112.93		

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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24' pit - 15' A rolling

cut 3'

ditch entering on W side

12' pit c

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
161		113.33	9.83	103.50		5.35									
162				10.00	103.33										
162	5.73	109.06													
161+50	W		9.10	99.96	105.31										
	E		10.20	98.86	104.21										
163			3.69	105.37											
163+50			3.25	105.81	111.16										
164			6.40	102.16											
164	2.15	104.81													
165			8.22	96.59											
166			11.29	93.52											
166	4.96														
166+40	W		9.84												
	E		11.80	86.62	91.97										
			8.92	89.56											
167			4.37	94.11											
168			7.51	97.97											
168	10.01	107.98													
169			3.70	104.28											
0			7.94	107.04											
0	5.19	112.23													
170			2.24	109.98											
171			5.11	106.12											
172			9.52	102.71											

18 ft

Rush gate

20' Union 15A railing
3' column

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL	STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
185	104	92.43		81.97			53 ^s								
186			7.30	83.13											
187			3.39	89.64											
187+50			12.8	90.85		96.20									
188				91.35											
188	1082	102.17													
189			20.6	94.11											
190			4.58	97.59											
191			1.9	100.22											
192			5.5	102.72											
192	911	111.87													
193			8.30	103.57											
193+50			9.2	102.62		107.97									
193+80			8.70	103.87		109.22									
194			7.40	103.47											
194+20			8.27	103.87		109.22									
195			6.01	105.86											
196			3.58	108.29											
197			1.01	110.86											
198			2.65	109.22											
199			2.45	109.42											
200			1.96	109.97											
200	1120	125.17													
201			9.80	111.37											

intersecting road

gate w
" E

1/2 gate

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
274	13413	420	129.93			5.35	
274	+20 W	6.60	127.53			132.88	
	E					16" pipe W	
275		342	130.71				
276		242	131.71				
277		160	133.53				
277	9.10	142.53					
278		760	134.93				
279		622	136.31				
280		490	137.63				
281		460	137.93			160	
282		530	137.23				
283		690	135.63				
284		940	133.13				
285		1170	130.83				
285	65	134.18					
286		1055	128.63				
287		300	127.18				
288		415	126.03				
289		441	125.77				
290		485	125.33				
		60	129.38				

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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E side for 44+75 12" tile
 tile 47+25 10" tile
 elev of mouth 29.55
 of head of 12" tile 47.12
 end of 10" tile 42.29
 12" tile full 2.03 per 100
 10" tile 2.06 per 100

Sta 45 elev 49.00

Sta 47 elev 45.10

53 + 41 end

570

6.4

4.6

1.8

4.00

1.80

2.20

49.00

5.70

54.70

47.12

7.58

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
346+42			locust 6"	N 30° W		28.5'	
			Wright maple	N 75° E		38'	
351+50			locust 12	N 50° W		33.8'	
			" 16	E		40'	
352 + 79			Sembro bridge	S 70° E		47.8	
			walnut 6	N 40° W		46.2	
359 + 58			walnut 8	N 30° E		24.7	
			iron post	N 45° W		38.4	
367			Sugar 4	N 45° E		31.5	
			elm 6"	N 50° W		42'	
366			Sugar 4"	N 60° W		82.7	
			post	N 30° W		44'	

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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148

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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377+52

372+33

W foreset NW 31.6'
E foreset NE 33.5'

149

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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18' west of in fence

150

STA.	B.S.	H.I.	F.S.	ELEV.	GRADE	CUT	FILL
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79+37

52+61

2676

2640

6.5

2646.5

52.00

52.8

10

2 3.3
70 x 6.5
23

5