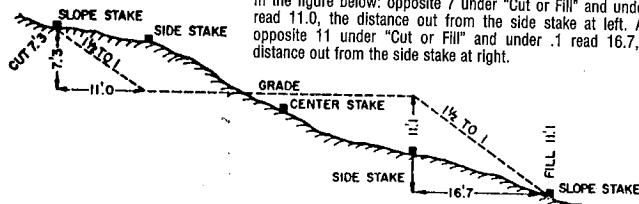


DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1½ to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



Cut or Fill	Distance out from Side or Shoulder Stake										Cut or Fill
	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

#10
060859

The paper in this book is made of 50% high grade rag stock with a WATER RESISTING surface sizing.

Title Page

①

A large grid of 20 columns and 25 rows, occupying most of the right page. The grid is composed of thin black lines forming small squares. The grid is empty.

St. Bernard's Intention Drainage

ALWA 3

X-section 3-11

Sta.	+ H.I.	- Elev.
0-DBL (3-11)		7.31 7.16
	1.23 8.54	

0+59	7.8
0+66	10.4
+71	11.4
+80	11.8
1+00	12.4
1+20	12.0
1+40	11.9
1+46	12.7
1+50	14.4
1+60	18.1
+73	11.4
1+77	7.1

TP 4.62 3.92

4.60 8.52

0-DBL	1.21	7.31 F
		7.31 G
		0.006

Paul Hollingsworth P.C.
 Scotty Tatum
 Kevin Chests of
 Vernon Commons

10-Feb-06

(2)

Level Ser. # 5170909

Level Type - Leica

Model # NA 730

GO ON FILE

RTK File

TBK

SLP

WET

in Channel Bottom

✓	✓
✓	✓
✓	✓
✓	✓
✓	✓

WET

TBK

X-sections cont
3-10

SPA	+	H.L.	-	Elev.
0-DBL (3-10)				3.61 3.555
	1.53	5.14		

0+77		7.3	
0+78		8.1	
+80		10.1	
1+00		14.6	
1+20		14.3	
1+40		15.3	
+60		15.2	
+80		12.6	
1+96		8.1	
2+05		6.4	

TP		1.17	3.97
----	--	------	------

	1.24	5.21	
0-DBL (3-10)		1.60	3.61 F
			3.61 G
			<u>0.00</u> E

Hollingsworth of Hwy

10-Feb-06

(3)

60' D NATL - 2TK File

TBK

WE

CANAL Bottom

/	/
/	/
/	/
/	/
/	/

WE

TBK

X-sections Cont

3-09

STA	+	Thk.	-	Elev.
0-0BL	(3-09)			5.44 5.42

1.57 7.01

0+77		9.1	
+80		10.0	
1+00		14.0	
1+20		16.4	
1+40		16.4	
1+60		17.5	
1+80		11.9	
1+89		10.0	
2+01		8.1	

TP 3.76 3.25

0-0BL	(3-09)	3.86	7.21	1.67	5.44 F
					5.44 G
					0.00 H

SAME

10-Feb-06

(24)

60' 0-NAIL - RTK FILE

FBK

WE

Central Bottom

/	/
/	/
/	/
/	/

WE

FBK

X-Sections Cont
(3-08)

STA	+	Heli	-	cted
0-08L	(3-08)			4.97 4.98

2.15 7.12

0+60 8.9

0+66 10.1

0+80 14.3

1+00 14.8

1+20 14.2

1+35 10.1

1+40 8.6

TP 3.50 3.62

3.47 2.09
0-08L (3-08)

2.12 4.97 F

4.97 G

0.00 E

Same

10-Feb-06

5

GO D MAIL - RTK File

TBK

WE

Channel Bottom

WE

TBK

X-sections cont.

(3-07)

STA +	Hd. -	ETW.
0-DBL (3-07)		0.80 0.72

3.85 4.65

0136 5.4

443 6.3

447 7.6

450 8.6

460 9.6

480 12.1

1400 12.2

1408 7.6

1414 6.5

FP 4.32 0.33

02DBL (3-07)	4.38 4.71	3.91	0.80 P
			0.80 G
			0.008

SAME

10-Feb-06

(6)

SPike MARK FTK FIVE

TBK

SP

WE

Channel Bottom

✓ ✓

✓ ✓

✓ ✓

WE

TBK

X-Sections Cont
(3-06)

STA.	+ H.L.	-	ETEV ₁
0-06L (3-06)			0.34 0.29

¹³
3.84 4.74

0+27	5.1
0+35	6.2
0+40	7.2
0+50	10.2
0+60	10.5
0+80	10.4
0+90	10.3
1+00	7.2
1+10	5.9
1+20	3.7

TP ³ 4.68 - 0.54

4.88 4.34
0-06L (3-06) ³ 4.00 0.34 F

^{0.29} 0.34 S
+ 0.04 0

SAME

10 Feb 06

(7)

Spike Nail

RTK File

TBK

S/P

WE

CANAL Bottom

✓

✓

✓

✓

WE

S/P

TBK

X-sections. Cont
(3-03)

STA.	+	H.L.	-	LEV.	
0-DAL	(3-03)			2.39	2.22 48
	3.22	5.61			
0+22				5.7	
0+28				6.9	
0+34				8.6	
0+40				10.6	
+60				14.6	
+80				14.6	
1+00				14.9	
1+20				15.6	
1+40				9.6	
1+44				8.6	
1+48				7.3	
1+54				5.0	
TP				4.49	1.12
	4.70	5.82			
0-DAL	(3-03)			3.44	2.38 F
					2.39 G
					-0.01 E

Stac

10 Feb 06

(8)

Spike Nail

TBK

SLP

WE

Central Bottom

/

/

/

/

/

/

/

/

WE

SLP

TBK

X-sections Cont.

(3-02)

STA + H.L. - ELEV.
 0-DBL (3-02) ~~0.70~~ 0.86

3.60 4.30

0+25	5.9
+28	7.3
+35	9.8
+50	11.8
+60	14.3
+80	15.4
1+00	16.3
1+20	13.9
1+37	7.3
1+46	6.0
1+54	4.6

TP 4.44 4.54 4.20 0.10

0-DBL (3-02) 3.84 0.70 F
 0.70 G
 0.00 B

10-Feb-06

(9)

GPS elev - 2004.65

TBK
 WE
 Channel bottom
 /
 /
 /
 /
 /
 WE
 SLP
 TBK

4 sections Cont.

(3-01)

STA + H.I - elev.
 0-DAL (3-01) ~~0.31~~ - 0.08

4.25 | 3.94

0+13	5.4
+20	7.0
+40	11.5
+60	13.0
+80	11.6
1+00	15.0
1+20	8.4
1+25	7.0
1+31	3.9
TP	3.94 0.00

4.28 4.28

0-DAL (3-01) 4.59 - 0.31 F
 -0.31 G
 0.00 E

10 Feb -06

(10)

TBK	
WE	
CMWC	Bottom
✓	✓
✓	✓
✓	✓
✓	✓
WE	
TBK	

X-sections Cont
(3-16)

STA	T	H.L.	-	ctw
0-DAL (3-16)				3.46
	3.26	6.72		3.17

0+77	5.6
+83	8.3
+88	9.4
+90	11.1
1+00	11.9
1+20	14.0
1+40	13.4
1+56	9.4
1+63	7.5
1+69	5.7

~~FR~~

70-DAL (3-16)	4.97	1.75 F
		1.77 G
		<u>-0.02 C</u>

10-Feb-06

(11)

TBK

S/P

WE

Control Button

✓

✓

✓

✓

✓

✓

WE

S/P

TBK

X-sections Cont.
(3-17)

STA +	Ad -	ctw.
0-DOL (3-17)		0.22 -0.49

3.71 3.49

0+76	5.3
+80	6.2
+100	9.7
+20	11.3
+40	12.2
+60	12.5
+75	10.8
+85	6.2
+90	4.5

75-DOL (3-17)	5.03	-1.54 F
		-1.53 B
		+0.01 C

10-Feb-06 (12)

TAK	
WE	
Channel	Water
✓	✓
✓	✓
✓	✓
✓	✓
WE	
TAK	

X-sections cont.

(3-21)

STA + H.I. - elev.
 0-DBL (3-21) -1.17

4.54

0+46	2.7
0+57	4.9
0+61	6.3
0+80	9.3
1+00	10.4
1+20	12.8
1+40	10.4
1+58	6.3
1+62	4.8
1+74	2.3

TP 2.37

2.49
 0-DBL (3-21)

4.66

F
 G
 E

10-Feb-06

13

Spike Nail

TBK

~~TBK~~ SLP

WE

Channel Bottom

✓	—
✓	✓
✓	✓

WE

SLP

TBK

X-section Cont
(3-14)

STA + H.I. — elev.
0-DBL (3-14) 8.45 8.26

9.25
0.80 &

0439		7.4
445		10.0
454		12.0
460		13.4
470		14.0
480		14.8
1400		13.3
1402	12.0	10.3
1409		10.3
1413		7.4

TP 3
5.51 7.74

5.90 9.64
0-DBL (3-14) 1.19 8.45

20-Feb-06

(14)

TBLK
SLP
WE
Channel Bottom
/ /
/ /
WE
SLP
TBLK

X-sections cont
(3-15)

STA	+	Hgt.	-	etc.
0-06L	(3-15)			13.85 13.64

0.35 14.20

0475		12.1	
0479		14.7	
0488		16.9	
1400		20.1	
1410		20.7	
1420		21.3	
1430		21.0	
1440		20.6	
1454		16.9	
1463		14.9	
1469		12.8	

TP		2.00	12.20
0-06L	4.13 (3-15)	16.33	2.48

Same

10-Feb-06

15

TRK	
slp	
WE	
Channel Bottom	
✓	✓
—	—
✓	✓
✓	✓
WE	
slp	

(18)

X-SECTIONS CONT
(3-28)

STA	+	HI	-	ELEV.
0+DBL	(3-28)			6.06

2.60 []

0+00		2.60		
0+6		3.10		
0+22		5.2		
0+36		7.5		
0+45		8.5		
0+48		8.9		
0+53		1.3		
0+59		8.9		
0+63		7.40		

TP		4.48		
----	--	------	--	--

0+DBL	(3-28)	4.81		2.93
-------	--------	------	--	------

P. Hworth & CREW

10-FEB-06

(18)

ER (ASP)

SLP

"

"

~~WE~~ TBK

WE

SND

~~WE~~

TBK

(20)

 X-SECTIONS CONT
 (3-30)

STA.	+	HI	-	ELEV.
0-DBL	(3-30)			6.83

1.50 []

0+00 1.5

0+5 2.1

0+16 4.5

0+32 6.8

0+54 8.5

0+58 10.5

0+65 10.5

0+73 8.2

TP 6.77

6.64

0-DBL (3-30) 1.37

P. H'worth & CREW

10-FEB-06

(20)

ER

SLP

"

"

TBK

~~TOE~~ TOE

TOE

TBK

NOTE: NO WATER / FLAT BOTTOM

(22)

 X-SECTIONS: CONT.
 (3-32)

STA	+	HI	-	ELEV.
0-DBL	(3-32)			5.88
	4.07			
0+00			4.0	
0+21			6.1	
0+41			9.1	
0+55			10.1	
0+59			12.1	
0+66			2.0	
0+70			11.5	
0+75			9.1	
TP			5.19	
	5.15			
0-DBL	(3-32)		4.03	

P. H'worth & CREW

11-FEB-06

(22)

 ER
 SLP
 SLP
 TBK
 TOE
 SND
 TOE
 TBK

54

X-SECTIONS CONT.
(3-34)

STA.	+	HI	-	ELEV.
0-DBL	(3-34)			4.91
	2.83			
0+00			2.8	
0+27			5.4	
0+42			4.0	
0+56			7.7	
0+63			10.3	
0+67			10.7	
0+74			10.4	
0+79			9.3	
0+83			7.5	
TP			4.25	
	4.20			
0-DBL	(3-34)		2.78	

P. H'WORTH & CREW

11-FEB-06

54

ER
SLP
SLP
TBK
TOE
CLD
TOE
SLP
TBK

(37)

X-SECTIONS CONT.

(3-39)

STA	+	HI	-	ELEV.
0-DBL (3-39)			2.27	

(37)

P. H. WORTH & CREW

11-FEB-06

HI CARRIED FROM PREV PG.

38

X-SECTIONS CONT.

(3-38)

STA	+	HI	-	Elev.
0-DBL	(3-38)			8.13
	1.33			
0+00			1.3	
0+11			2.6	
0+43			8.5	
0+70			11.2	
0+71			12.1	
0+74			0.5	
0+76			4.9	
0+80			4.9	
0+85			2.8	
0+88			12.1	
0+90			10.9	
TP			2.16	
	2.67			
0-DBL	(3-38)		1.84	

38

P. H. WORTH CREW

11-FEB-06

ER
SLP
"
TBK
WE
SND
"
"
"
WE
TBK

(40)

BRIDGE ELEV @ EJ GORE PUMP STATION

STA	+	HI	-	ELEV.
3-05	7.68	[]		2.22

BRIDGE			4.51	
	4.42			

3-05			7.59	
------	--	--	------	--

/	/	/	/	/
---	---	---	---	---

LOW CHORD (SAME BRIDGE)

STA	+	HI	-	ELEV.
-----	---	----	---	-------

3-05	6.04	[]		
------	------	-----	--	--

LOW CHORD			3.85	
-----------	--	--	------	--

	4.24	[]		
--	------	-----	--	--

TOP OF
CONC RAIL

			2.59	
--	--	--	------	--

3-05			6.44	
------	--	--	------	--

P. H. WORTH : CREW

11-FEB-06

(40)

PAINTED BLACK MARK IN $\frac{1}{2}$ OF BRIDGE ON N. END

/	/	/	/	/
---	---	---	---	---

E WEST SIDE OF BRIDGE

TOP OF CONC RAIL (CURB)

(43)

X-SECTIONS CONT.
(3-37)

STA.	+	HI	-	ELEV.
0-DBL	(3-37)			4.04

2.37

0+00				2.4
0+16				3.6
0+37				5.4
0+56				6.6
0+62				7.8
0+66				9.30
0+70				1.1
0+73				3.2
0+81				2.8
0+86				9.30
0+89				7.8

TP

4.18

4.25

0-DBL

(3-37)

2.44

P. H'worth & CREW

12-FEB-06

(43)

ER

SLP

"

TBK

SLP

WE

SND

"

"

WE

TBK

(44)

File - STBERA3
(3-04)

T@	2	BS@	1
MU:	4.16 ^{5.14}	MU:	5.36

CKBS 1	200	
WE	201	
SLP	202	
ER	203 - 204	
NG	205	
ER	206 - 207	
SLP	208	
WE	209	
CONC	210 - 211	
"	212 - 213	
"	214 - 215	
CKBS 1	216	

P. H'WORTH & CREW

14-FEB-06

(44)

2 = 3-04 DBLC

1 = VCL 1

* Note: No PIPES VISIBLE

TOP OF BRIDGE CURB

WEST side

C/L OF BRIDGE DECK

TOP OF BRIDGE CURB

EAST side

N
↓