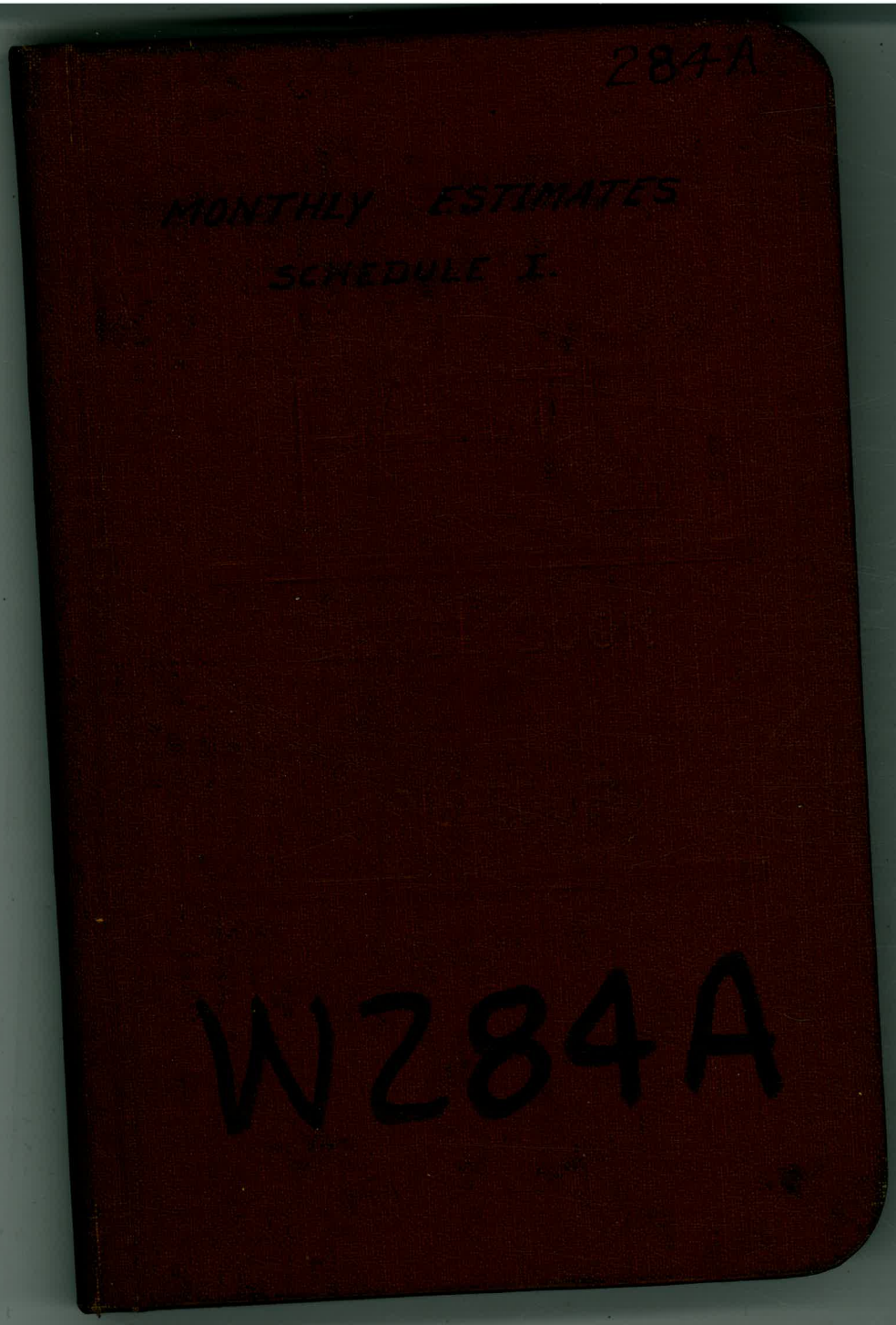
284A
MONTHLY ESTIMATES
SCHEDULE I.
W284A

Schedule I.

Monthly Estimates.

Our Leather Bound Engineers Note Books are carried in the following rulings:

No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.

No. 382 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.

No. 384 MINING TRANSIT BOOK. Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.

No. 385 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

We also carry the Note Books listed above, bound in extra strong Fabri-Hide (otherwise the same quality of book), which can be furnished at a somewhat lower price.

In ordering Fabri-Hide covered books, add the letter *"F"* to catalog number.

THE FREDERICK POST CO.

ENGINEERING and DRAFTING SUPPLIES

IRVING PARK STATION

CHICAGO, ILL.

INDEX

		Pages
Monthly Est. -	February	1-13
"	March	14-20
"	April	21

O.R.-S.D. 2nd. Main Pipe Line.
Monthly Estimates - Cross Sections
Excavation to Feb. 25, 1930, Schedule I.

Feb. 25, 1930
Weather - Clear + Cool.

Converse - Notes
Hill - Tape
Elliott - π
Simpson - Rod.

Sta.	Grade Elev. 7° Bottom - ½:1 Slopes	Dist.	L.C.	E.	R.C.	End Area	Av. E. Area	Cu. Yds.	Total Cu. Yds.	Estimate Cu. Yds.
297+95.7										
		11.8							81.48±	81.48
298+07.5	385.8	385.8	0.0 / 3.5	0.0	0.0 / 3.5	0.0				
		42.5					0.0	0.0	387.22	387.22
+50	385.7		0.0 / 3.5	0.0	0.0 / 3.5	0.0				
		30.0					0.0	0.0	125.10	125.10
+80	384.5		0.0 / 3.5	0.0	0.0 / 3.5	0.0				
		20.0					8.0	5.93	47.53	41.60
299	382.0		2.0 / 4.5	2.0	2.0 / 4.5	16.0				
		9.7					14.52	5.22	15.35	10.13
						Rwb M.D.E	Rwb M.D.E			645.53

Sta.	Grade	Elev. Bottom	Dist.	L.C.	℄	R.C.	End Area	Av. End Area	Cu. Yds	
	4.82	- Standard Trench.								645.53
299+09.7	380.7	383.4		2.7 / 2.41	2.7	2.7 / 2.41	13.04			
			17.3					19.32	12.38	18.89 6.51
+27	377.8	383.1		5.3 / 2.41	5.3	5.3 / 2.41	25.60			
			13.0					28.79	13.86	16.04 2.18
+40	375.6	382.2		6.6 / 2.56	6.6	6.6 / 2.56	31.98			
			10.3					31.72	12.10	12.80 0.70
+50.3	373.9	380.4		6.5 / 2.54	6.5	6.5 / 2.54	31.45			
										654.92

Iswb M.R.E.

Iswb M.R.E

O.R-S.D. 2nd. Main Pipe Line
Monthly Estimates - Cross Sections
Excavation to Feb. 25. 1930. Schedule I.
7º Bottom - ½:1 Slopes.

Feb. 25. 1930.
Clear & Cool.

Converse - Notes
Hill - Tape
Elliott - ✗
Simpson - Rod.

Sta.	Grade	Elev.	Dist.	L.C.	℄	R.C.	End Area	Av. End Area	Cu. Yds.	
285+44	382.2	390.1		7.9 / 7.45	7.9	7.9 / 7.45	86.52			
			19.0					86.52	60.88	101.77	40.89
+63	382.6	390.5		7.9 / 7.45	7.9	7.9 / 7.45	86.52			
			12.0					82.85	36.82	74.14	37.32
+75	383.0	390.4		7.4 / 7.2	7.4	7.4 / 7.2	79.18			
			25.0					77.75	71.99	135.44	63.45
286	383.8	391.0		7.2 / 7.1	7.2	7.2 / 7.1	76.32			
			25.0					76.32	70.67	106.91	36.24
+25	384.6	391.8		7.2 / 7.1	7.2	7.2 / 7.1	76.32			
			16.0					75.61	44.81	82.71	37.90
											215.80

kswb M.D.6 kswb M.D.E

Sta.	Grade	Elev.	Dist	L.C.	Σ	R.C.	End Area	Av. End Area	Cu. Yds.	
286+41	385.1	392.2		7.1 / 7.05	7.1	7.1 / 7.05	74.90			215.80
			19.0					64.26	45.22	178.19 / 132.97
+60	385.7	391.2		5.5 / 6.25	5.5	5.5 / 6.25	53.62			
			14.0					41.08	21.30	192.72 / 171.42
+74	386.1	389.4		3.3 / 5.15	3.3	3.3 / 5.15	28.54			
			21.0					17.62	13.70	357.32 / 337.62
+95	386.8	387.7		0.9 / 3.95	0.9	0.9 / 3.95	6.70			
			13.8					3.35	1.71	258.00 / 256.29
287+08.8	386.9	386.9		0.0 / 3.5	0.0	0.0 / 3.5	0.0			
287+12.95 = 287+08.42			18.53						170.37	170.37
287+22.8										1784.47

Iswb - M.D.E. Iswb - M.D.E

O.R.-S.D. 2nd. Main Pipe Line
Monthly Estimates - Cross Sections
Excavation to Feb. 25. 1930. Schedule I.
7' Bottom - ½:1 Slope

Feb. 25, 1930
Clear & Cool.

Converse - Notes
Hill - Tape
Elliott - "
Simpson - Rod.

5

Sta.	Grade Elev.	Dist.	L.C.	&	R.C.	End Area	Av. End Area	Cu. Yds.	Total Cu. Yds.	Estimate Cu. Yds.
204 +34	382.9	392.6	8.9 / 8.0	9.7	12.3 / 9.7	122.94				
		16.0					124.91	74.02	87.75	13.73
+50	383.9	394.3	10.4 / 8.7	10.4	10.4 / 8.7	126.88				
		10.0					130.40	48.30	67.09	18.79
+60	384.5	395.3	10.8 / 8.9	10.8	10.8 / 8.9	133.92				
		30.0					156.72	174.13	298.93	124.80
+90	386.3	399.5	13.2 / 10.1	13.2	13.2 / 10.1	179.52				
		7.0					189.87	49.23	97.50	43.27
										200.59

Gwb M.D.E. Gwb M.D.E. M.D.E.

Sta.	Grade	Elev.	Dist.	L.C.	E
+97	386.7	400.9		14.2 / 10.6	14.2
			17.6		
205+14.6	386.9	404.5		17.6 / 12.3	17.6
			14.0		
+28.6					

R.C.	End Area	Av. End Area	Cu. Yds	Total Cu. Yds.	Estimate Cu. Yds
14.2 / 10.6	200.22				200.59
		239.15	155.79	279.62	123.83
17.6 / 12.3	278.08				
			100.0	189.84 ~~155.55~~	55.55
				Total	379.97

Istvlc M.D.E. Istvlc M.D.E. M.D.E.

O.R.-S.D. 2nd. Main Pipe Line
Monthly Estimates - Cross Sections
Excavation to Feb. 25, 1930. Schedule I.

7° Bottom - ½:1 Slopes.

Feb. 25, 1930.
Clear + Cool.

Converse - Notes
Hill - Tape
Elliott - ⊼
Simpson - Rod

Sta.	Grade	Elev.	Dist.	L.C.	℄	R.C.	End Area	Av. End Area	Cu. Yds.	Total Cu. Yds.	Estimate Cu. Yds.
192+12											
			12.6							107.21	7.21
+24.6	388.3	407.8		19.6 / 13.3	19.5	16.3 / 11.65	299.81				
			11.4					254.36	107.40	126.87	19.47
+36	388.2	403.3		16.2 / 11.6	15.1	12.4 / 9.7	208.91				
			12.0					188.65	83.84	97.22	8.38
+48	388.0	399.6		14.3 / 10.65	11.6	12.0 / 9.5	168.39				
			18.0					151.16	100.77	101.27	.50
+66	387.6						133.97				

35.56

G.W.L.E. - M.R.E.
G.W.L.E. - M.L.E.

O.R.-S.D. 2nd. Main Pipe Line
Monthly Estimate - Cross Sections
Excavation to noon Feb 25. 1930. Schedule I.

Feb. 25 1930. Clear & Cool.
Converse - Notes
Hill - Tape
Elliott - "
Simpson - Rod

7' Bottom - 1/2 : 1 Slopes

Sta.	Grade Elev.	Dist.	L.C.	℄	R.C.	End Area	Av. End Area	Cu. Yds.	Total Cu. Yds	Estimate Cu. Yds.
171+14						37.42				
		20.0					48.06	35.60	54.96	19.36
+34	390.3	396.2	5.9 / 6.45	5.9	5.9 / 6.45	58.70				
		14.0					64.71	33.55	57.88	24.33
+48	390.3	397.1	6.8 / 6.9	6.8	6.8 / 6.9	70.72				
		18.0					74.95	49.97	97.39	47.42
+66	390.3	397.7	7.4 / 7.2	7.4	7.4 / 7.2	79.18				
		15.0					88.96	49.42	109.42	60.00
+81	390.3	399.0	8.7 / 7.85	8.7	8.7 / 7.85	98.74				
		23.9					137.12	121.38	230.25	108.87
										259.98

GWC M.B.E. GWC M.N.E.

Sta.	Grade	Elev.	Dist.	L.C.	E	R.C.	End Area	Av. End Area	Cu. Yds.	Total Cu. Yds.	Estimate Cu. Yds.
											259.98
172+04.9	390.3	403.3.		13.0 / 10.0	13.0	13.0 / 10.0	175.5				
172+08.97 = 172+05.50			10.67						40.07	73.64 ~~74.07~~	34.00
+12.1											
											~~293.98~~

S.W.C.
M.D.S.

O.R.-S.D. 2nd Main Pipe Line
Monthly Estimate - Cross Sections.
Excavation to Feb. 25. 1930. Schedule I.

Feb. 25. 1930
Clear + Cool.

Converse - Notes
Hill - Tape.
Elliott - ↑
Simpson - Rod.

7' Bottom - ½:1 Slopes.

Sta.	Grade	Elev.	Dist	L.C.	℄	R.C.	End Area	Av. End Area	Cu. Yds	Total Cu. Yds	Estimate Cu. Yds
224+12											
			10.8						0.0	92.59±	92.59±
+22.8	388.8	388.8		0.0/3.5	0.0	0.0/3.5	0.0				
			8.2					0.0	0.0	104.98	104.98
+31	388.8			0.0/3.5	0.0	0.0/3.5	0.0				
			13.0					1.44	0.69	157.53	156.84
+44	388.5	388.9		0.4/3.7	0.4	0.4/3.7	2.88				
			21.0					4.40	3.42	230.89	227.47
+65	387.8	388.6		0.8/3.9	0.8	0.8/3.9	5.92				
			12.0					26.71	12.32	119.32	107.00
											688.88

GWC M.D.E
GWC M.D.E

Sta.	Grade	Elev.	Dist.	L.C.	℄	R.C.	End Area	Av. End Area	Cu. Yds.	Total Cu. Yds.	Estimate Cu. Yds.
											688.88
77	387.4	392.4		5.0 / 6.0	5.0	5.0 / 6.0	47.50				
			16.0					70.02	41.49	153.94	111.45
93	386.9	395.2		8.3 / 7.65	8.3	8.3 / 7.65	92.54				
			17.0					92.54	58.27	166.61	108.34
225+10	386.3	394.6		8.3 / 7.65	8.3	8.3 / 7.65	92.54				
			25.0					114.12	105.67	218.60	112.93
35	385.5	396.4		10.9 / 8.95	10.9	10.9 / 8.95	135.70				
			12.0					148.74	66.10	95.17	29.07
47	385.1	397.4		12.3 / 9.65	12.3	12.3 / 9.65	161.74				
			9.0					176.78	58.93	71.23	12.30
56	384.8	398.6		13.8 / 10.4	13.8	13.8 / 10.4	191.82				
			16.39					196.02	118.99	125.85	6.86
											1070.83

225+63.25
225+44.86 =

GWC M.D.E. GWC M.D.E.

Sta.	Grade	Elev.	Dist.	L.C.	E	R.C.	End Area	Av. End Area	Cu. Yds.	Total Cu. Yds.	Estimate Cu. Yds.
											10 70.83
225+54	384.3	398.5		14.2 10.6	14.2	14.2 10.6	200.22				
			9.0					195.87	65.29	67.80	2.51
+63	384.0						191.52				
											1073.34
+82											

M.D.E

February Monthly Estimate

Schedule I. Division I.

Sta. to Sta.	Cu. Yds.
171+14 - 172+12.1	293.98
192+12 - 192+66	35.56
204+34 - 205+28.6	379.97
224+12 - 225+82	1073.34
285+44 - 287+22.8	
297+95.7 - 299+50.3	

O.R.-S.D. 2nd. Main Pipe Line
Monthly Estimate - March - Cross Sections
Excavation to March 25. 1930. Schedule 1

March 24. 1930. Converse
Clear & Warm. H. H. Elliott
Simpson

	Grade	Elev.	Dist.	℄	End Area (of remain. portion)	Cu. Yds	total Cu. Yds.	Feb. Est.	March Est.
172+12.13									
172+05.50 = 172+08.97					2012.18 C.F.		75.64	34.00	41.64
172+04.9	390.3	390.3		0.0					
							560.73	259.98	300.75
171+01	390.3	390.3		0.0					
170+95.3	390.3	390.3		0.0					
						1.33	5.56		1.33
170+87		393.4		+3.1	26.50				
						92.73	151.46		92.73
170+38		394.5		+4.2	38.22				
						117.93	175.83		117.93
170+07		396.5		+6.2	62.62				
						374.87	501.58		374.87
									929.25

					(remaining portion) End Area	C.V.	total C.V.	Feb. Est.	March Est.
169+50	390.4	396.2		+5.8	57.42				total 929.25
						245.30	353.12		245.30
169+06		397.5		+7.1	71.90				
						264.46	399.02		264.46
168+61.8		398.5		+8.1	89.50				
						328.19	604.74		328.19
168	390.4	390.4		0.0	0.0				
							311.45		311.45
167+69.2	390.4	390.4		0.0	0.0				
					2463.29 C.F.		91.23		91.23
167+58.2									
									2169.88

Monthly Estimate - March (Contd.)
Sta. 144+18 - Sta. 145+38.4

				End Area (remaining portion)	C.Y.	total C.Y.	Feb. Est.	March Est.
144+18	387.5	394.8		100.74				
					8.96	132.74		8.96
+48	387.7	395.4	+7.7	83.54				
					74.46	161.98		74.46
+77	387.8	395.6	+7.8	85.02				
					75.66	148.08		75.66
145	387.9	395.7	+7.8	85.02				
					49.75	102.36		49.75
+16	388.0	396.3	+8.3	92.54				
					28.89	132.89		28.89
+38.4	388.1	398.8	+10.7	158.18				
								237.72

Monthly Estimate - March - (Contd.)

Sta. 192+12 - Sta. 193+06

	Grade	Elev		End Area	C.Y.	total C.Y.	Feb. Est.	March Est.
192+12.0								
				2848.9	C.F.	105.50	7.21	98.29
192+24.6	388.3	388.3	0.0					
						387.40	28.35	359.05
193+06.1	385.7	385.7	0.0					

Monthly Estimate - March - (Contd.)

Sta. 204+34 – Sta. 205+35.5

				C.Y.	total C.Y.	Feb. Est.	March Est.
204+34	382.9	382.9	0.0				
					939.16	324.42	614.74
205+20.5	386.9	386.9	0.0				
				5125.74 C.F.			
					189.84	55.55	134.29
205+35.5							
							749.03

Monthly Estimate - March - (Contd.)

Sta. 224+12 - Sta. 225+92

					C.Y.	total C.Y.	Feb. Est.	March Est.
Sta. 224+12								
				2355.5 C.F.		87.24	92.59	5.35
Sta. 224+22.8	388.8	388.8	0.0					
						1151.89	1022.60	129.29
Sta. 225+35	385.5	385.5	0.0					
					71.89	95.18	71.37	30.52
+56	384.8	390.0	5.2					
					46.87	71.23	9.37	37.50
Sta. 225+92	383.6	391.4	7.8					
								191.96

March Estimate

Schedule "1

			C.Y.
Sta. 167+58.2	to	172+12.1	2169.88
" 141+18	"	145+38.4	237.72
" 192+12	"	193+06.1	457.34
" 204+34	"	205+38.5	749.03
" 221+12	"	225+92	191.96
Benched			
" 248+75	to	251+10 Av. cut 1.0	40.25
" 251+80	"	251+75 " " 1.0	52.80
" 257+75	"	257+85 " " 1.0	37.60
" 279+00	"	285+35 " " 0.5	56.70
" 301+00	"	306+00 " " 1.0	89.40
			4082.68

Otay-S.D. 2nd. Main Pipe Line
Monthly Estimate for April
Schedule "I

Sta. 145+38.4	to	sta. 146+04.7	721.	C.Y.
" 797+00	"	" 800+50	62	"
" 801+26	"	" 804+50	96	"
" 806+25	"	" 816+70	877	"
" 817+00	"	" 825+75	815	"
" 825+75	"	" 829+30	89	"
" 829+30	"	" 833+50	160	"
" 833+50	"	" 835+60	35	"
" 835+60	"	" 855+12	2990	"
		Total	5845	"

Total excavation called 75% complete.

204+40 to Portal. Grade
193+00 to Portal. Grade
225+25 to Portal Grade
225+25 to 225+50 ± 1½' Below W.S. Pipe
225+50 to 226 top W.S. Pipe

Benched

248+75 - 251+10 Av. ± 1.0
251+80 - 254+75 " "
257+75 - 259+85 " "
279+00 to W.S.P. Av. ± 0.5
301+00 to 306+00 Av. ± 1.0

IMPROVED TABLES
AND
INFORMATION

388.77
2.01
390.78 HI

388.77
2.01 = 224+33.7

390.8
387.9
2.9 224+60.0

390.8
387.1 224+85
3.7

390.8 225+00
386.6
4.2

390.8
385.8
5.0 225+25

390.8
385.32
5.5 225+40

3.24
.08
.2592

.9

3.24
.9
2.916
383.6
386.52
0.81
3 .33

.81

.81
4/3.24

26.3
324
1052
526
789
.85212

388.77
.85
387.92
.81
387.11
.49
386.62
.81
385.81
.49
385.32

13
390.3
403 ?

225+63.26
224+33.66
60