W434

434

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.

MICROFILMED

JAN 12 1965

MICROFILMED

434 Index.

Dam.-Rock Taken up by Newcomb 1-3

El Capitan Dam Const.

SW¼ of Dam Area. Rock Embankment

3/16/33. H.V. Newcomb.

Rock *	Dimension	Above Surface Cu. ft.	
	4×6×1½	36	✓
	3×3×3	27	✓
	6×5×2	60	✓
	14×4×1	56	✓
	8×4×1	32	✓
	4×3×3	36	✓
	3×3×3	27	✓
	10×8×2½	200	✓
	6×5×1	30	✓
	8×4×2	64	✓
	3×4×3	36	✓
	7×5×2	70	✓
	6×4×2	48	✓
	8×3×1¼	30	✓
	10×3×3	90	✓
	8×4×2	64	✓
L	—	54	✓
L	—	108	✓
	3×4×4	48	✓
L	54	54	✓
	3×3×3	27	✓
	3×4×3	36	✓
	4×6×2½	60	✓
	8×12×3	288	✓
L	—	27	✓
		1608	✓

*Note: To be Subtracted From Area to be filled With rock.

El. 600+ South to 14" Pipe

Big S of Pipe.

Reported

3/10/33 AM. N. SW¼ Rock Emb. Above Surface.
6×6×7 } 324 = 12 Cu. Yds. included in
6×3×4 } 90 Cu. Yds 701 347/63

SW¼ of Dam Area - Rock Embankment

Rock *	Dimension	Above Surface Cu ft	
	8×4×2	64	✓
	6×5×2½	75	✓
	4×4×2½	40	✓
	5×3×2	30	✓
		54	✓

26 3 ✓ on Line

SW¼ Rock Emb - Rock shot above Surface El 575+ in 20' Trench Area. Also included in Previous Rock Taken up in Rock Emb Sec

	5×6×2	60	✓
	5×4×2	40	✓
	3×3×3	27	✓
	6×5×2	60	✓
	3×3×3	27	✓
	4×4×2	32	✓
	3×3×3	27	✓
	3×3×3	27	✓
	4×3×2	24	✓
	6×8×4	192	✓
	6×6×3	108	✓
	6×6×6	216	✓
	15×3×2	90	✓
In place	6×4×2	48	✓
Rock in place	12×3×2	1 yd thick	✓

1050 77

3/25/33 - About 40 Cu Yds placed in Rock Emb. direct here in Trench for Spreading SW¼ Rock Shoulder

Some of this Rock taken from place

Reported

Rock above Surface NW ¼
El. 620+ on line of 670 El. Road.

Rock Embankment Section.

1	3x3x3	27	✓	4/8/33. N.T.N.
2		27	✓	
3	5x6x1½	45	✓	
4	6x5x1	30	✓	
5	6x3x2	36	✓	
6	6x5x2	60	✓	1/3 outside
7	5x5x2	50	✓	
8	18x5x3	270	✓	
9	4x4x2	32	✓	
10	6x3x1½	27	✓	
11	6x4x1½	36	✓	
12	6x6x1	36	✓	✓
13	5x4x1½	30	✓	30 ✓
14	6x7x3	126	✓	Total - 832 cu. ft.

Hy Fill Section

15	7x12x2½	210	✓	
16	6x8x2½	120	✓	
17	6x3x2	36	✓	
18	8x5x2	80	✓	
19	8x12x3	288	✓	
20	8x5x2	80	✓	
21	13x4x8	416	✓	
22	4x4x3	48	✓	
23	10x7x8	560	✓	
24	5x3x3	45	✓	

Total - 1883 cu. ft. Reported NW

#25	14x14x3	588	✓	Not Shot to 5/3/33 N.T.N. — Not to be Shot under Overhang
26	7x5x4	140	✓	" " " "
	12x15x4	720	✓	W of #25
27	6x3x2	36	✓	"
28	6x4x2½	60	✓	
29	7x6x2	84	✓	
30	8x8x2	128	✓	
31	6x5x1	30	✓	
32	6x6x2	72	✓	
33	6x4x6	144	✓	
34	5x3x2	30	✓	
35	6x8x2	96	✓	
36	4x6x1½	30	✓	
37	6x5x3	90	✓	
38	6x6x1	36	✓	on edge
39	6x9x2	108	✓	
40	4x4x2	32	✓	
41	6x3x2	36	✓	
42	18x6x3	324	✓	
43	5x3x2	30	✓	
44	7x8x2½	140	✓	
45	6x14x8	672	✓	
46	8x5x1	40	✓	
47	6x7x1	42	✓	
48	12x10x4	480	✓	
49	5x6x2	60	✓	✓

Total 4248 cu ft. Reported NW

NE ¼ Hy fill Area at P.C. P.C. Area above Road 30' E of C. Wall

50	6×4×1½	36	✓	
51	4×12×1	48	✓	
52	5×4×2½	50	✓	
53	9×6×3	162	✓	
54	6×3×2	36	✓	
55		27	✓	
56	3×5×2	30	✓	Total - 389 cu. ft.

Rock From Section NE ¼

57	5×4×1½	30	✓	
58	5×4×3	60	✓	in Gulch
59	3×3×3	27	✓	from S.W.
60	6×3×3	54	✓	
61	4×4×2	32	✓	
62	6×6×3	108	✓	
63	4×4×2½	40	✓	
64	4×4×3	48	✓	
65	3×4×4	48	✓	from S.W.
66		54	✓	

Total - 501 - cu. ft.

67 8×10×4 Part Shot of P.C. Sec. 320. Bal = W of 6 to Road 5/3/33

Reported W

P.C. Area SW ¼ #6 Tunnel to Flume 5/9/33 H.T.W.

3 Cu Yards above Surface.

P.C. Area SE ¼ #6 Tunnel to Flume

Above Surface	Cu ft
4×5×1½	30
4×3×1½	18
5×3×2	30
4×3×2	24
5×3×2	30
6×3×2½	45
5×2×2	20
6×5×1	30

SE ¼ Hy Fill Area above Surface

	8×8×2½	160	1 3rd of in Pc
Just below Level #6 Tun.	9×10×5½	495	3 " " "
	8×4×1½	48	
	6×3×2	36	
edge Road.	3×4×2½	27	½ above Surf

These Rock May have been Reported by Other Insp. W.

30×12×7 Large Sliding Rock N Abutment 10 ft below ground

7×4×3 } Dumped Truck Turned over - From Yaro Road
4×4×3½ }

Strip E of Core Trench Below Surface.

Note: Transferred from the Spark Final Disposition of the above rock reported by other inspectors H.T.W.

El Capitan Pipe Line

Office Copy of Bench Marks.

Copied & From FB 516/77 5/14/36 [illegible]

BM#	Description		Elevation	
1	P.O.R. 40'R	12+70	563.65	
2	Nail in Sycamore Tree 14'R	16+82	570.57	
3	P.O.R. 25'R	20+70	568.89 ✓	516/76
4	Nail in Rock 18'Lt.	25+70	568.76 ✓	524/29
~~5~~	~~Nail in Oak 35'Lt~~	~~37+90~~	~~519.73~~	~~Destroyed~~
5A.	" " " 35'Lt	37+90	561.20	
6	" " " 50 L	38+25	568.88	
7	P.O.R. 35'R	51+50	539.~~49~~ 32 ✓	
~~8~~	~~Nail in Oak 13'R~~	~~59+50~~	~~535.64~~	~~Distroyed~~
8A			539.32	
9	" " " 40'L	68+85	537.23	

BM. Contd.

* ~~10~~	~~Nail in Oak Stump 25'R~~	~~75+15~~	~~539.09~~	~~Distroyed~~
11	Nail in Oak 75'L	78+75	548.44	
~~12~~	~~" " " 8'R~~	~~88+70~~	~~525.10~~	~~Distroyed~~
~~13~~	~~" " 4x4 Post 8'R.~~	~~97+10~~	~~535.94~~	~~Distroyed~~
~~14~~	~~Nail in Oak 12'R~~	~~102+95~~	~~525.11~~	~~Distroyed~~
15	" in Sycamore 12'L	107+30	518.83	
16	" " Willow 25'L	116+50	511.35	
~~17~~	~~" " Oak 1'R.~~	~~120+05~~	~~514.43~~	~~Destroyed~~
18	" " 6x6 Post 35'L	129+25	507.45	
19	" " Oak 5'R.	139+95	503.62	
20	" " " 20'R	146+40	503.52	
21	" " " Sycamore 25'R.	162+85	501.12 ✓	
22	" " * 755.51 Power Pole 35'L	170+10	502.60	

B.M. Contd

23	Nail in Power Pole #173435	30'L	184+80	493.67	
24	" " " " #173430	35'L	196+05	494.68	
25	" " " " #173427	30'L	205+95	487.83	
25A	" " "			487.58	
26	" " " 173422	30'L	218+45	483.58	
27	Nail in Oak	50'L	226+50	480.23	
28	" " "	20'R	231+50	502.84	
29	" " Sycamore	60'R	243+15	461.86	
30	" " 1x2 Marker	70'R	252+80	454.11	
~~30A~~	~~Nail in Sycamore & New Road~~			~~463.66~~	~~Distroyed~~
31	Nail in Rock	40'L	264+00	460.90	
32	Nail in Sycamore	55'L	272+50	457.69	
33	Nail in Oak	35'L	280+90	458.00	

BM Contd

34	Nail in Sycamore	30'R	297+00	443.61	
35	U.S.G.S. BM Pumping Plant			538.93	
36	Nail in Pole #D288541	15'R	329+20	441.06	
37	" " Power Pole #78744	30'L	337+70	464.30	
38	" " " " #78772	40'L	343+40	476.31	
			BM. on Elm St.	506/53	
39	" " " " #78767	10'R	351+10	463.35	
40	" " " " #78762	10'R	363+50	432.13	
41	" " " " #78758	10'R	375+25	421.95	
42	Nail in Eucalyptus Stump	18'L	384+75	410.05	
43	" " Pepper	70'L	398+10	408.69	
44	" " Power Pole 78205	Vine & Woodside		410.61	
45	" " " " 72615	River & "		408.95	
	County B.M. #21			400.13	

copied from 416/79 + [illegible]

B.M. on Julian Av. 506/71 516/79

# 39	Nail in Power Pole # 74390 25' Lt. 354+80	459.92
# 40	" " 16" Duc 40' Lt 364+65	453.02
# 41	" " " Stump 20' Lt. 375+30	431.23
# 42	" " P.P. 78751 25' Lt 388+30	404.45
# 43	" " " 78750 20' L 400+05	435.33
# 44	R.R. Spike in guy Pole. SW Cor Julian & Chest	417.06
# 45	Nail in Guy Pole. 15' Lt 420+50 old Road	407.76

LUMBER for CAT WALK.

All Dressed.

81 - 2 x 12 foot boards.
2 x 59' - 2 x 4 Hand rail
16 Pcs - 2 x 4 x 3' long cap.
4 - " x 4'-8" " to Piers
9 - " x 5' - Hand rail rest above walk
2 " x 5' rest below floor
2 " x 4'-6" " " "
2 " x 7-4" " " "
14 " x 8'-10 " " "

1 x 4 (on X) braces
2 - 1 x 4 x 5'
2 " x 4'-6"
2 " 7-4"
11 " 8'-10"
8 2 x 4 x 3 at bottom rest.

Recorded 534/-16.
9/26/36
N

9/26/36
Newcomb.
Hudson.

Depth water on apron

4/1/37 Newcomb in Office San Diego to
Dams Strengthening Cal. + Water El Capitan
Distribution

4/2/37 Newcomb To Shop. + then to El. Capitan
with Remmen in 249. Rains 9 to 10 30.
Take measurements of Mon with
Simpson. Res Gauge 177.17 330 PM
Return to Town. Take things home.
Cart to Barn by Remmen.

4/3/37. El Capitan Water Distribution Cal. + San D.
Strengthening maps. Cal. notice to be
vacationing Monday.

IMPROVED TABLES
AND
INFORMATION