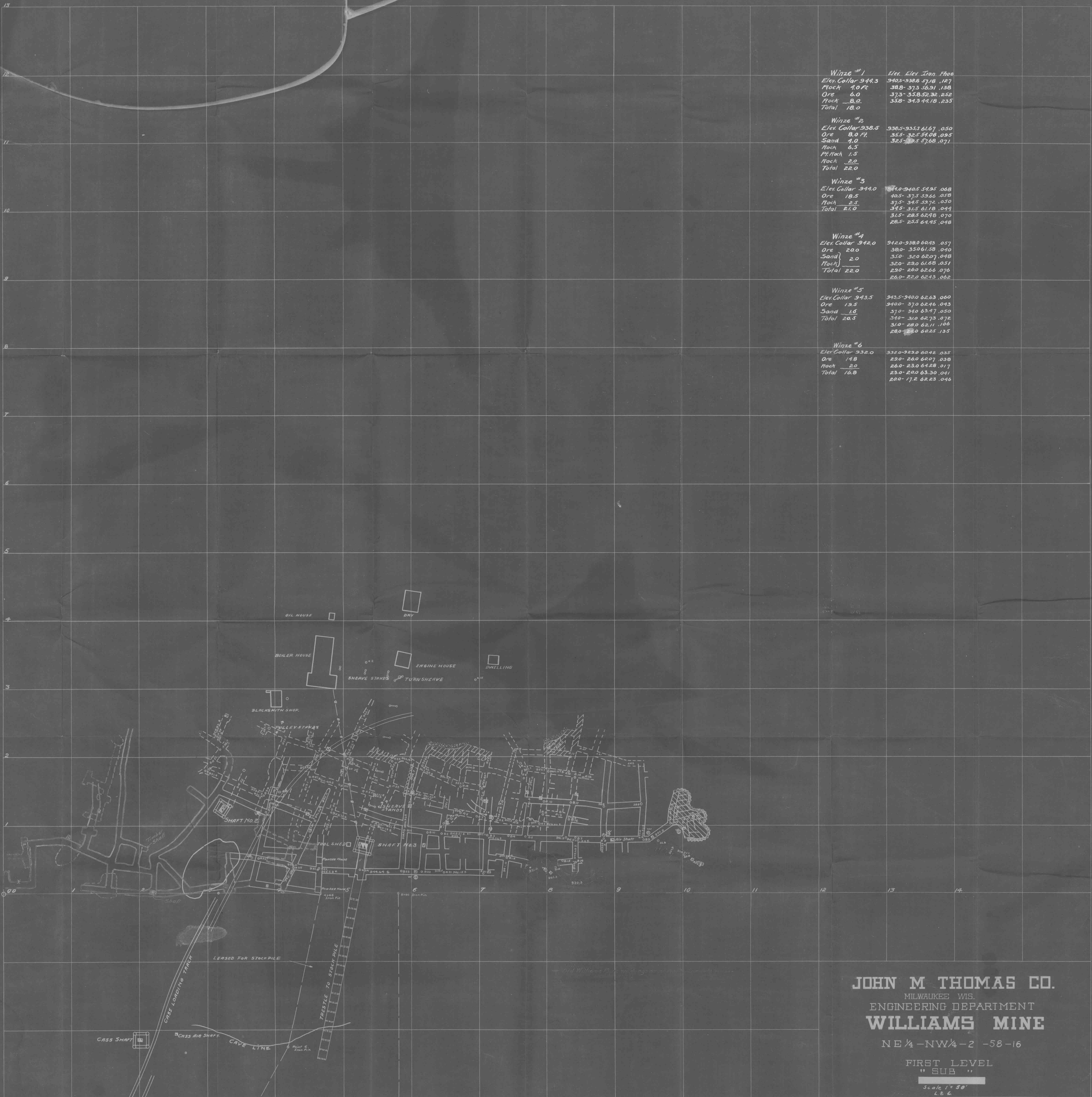






Winze #1	Elev. Elev. Iron. Floor
Elev. Collar 944.3	940.5-938.8 37.18 .127
Rock 4.0 ft	388-373 55.91 .155
Ore 6.0	373-358 52.32 .252
Rock 8.0	358-343 44.18 .235
Total 18.0	
Winze #2	
Elev. Collar 938.5	936.5-933.5 61.67 .050
Ore 8.0 ft	355-325 54.08 .095
Sand 4.0	325-315 57.68 .071
Rock 6.5	
Fr. Rock 1.5	
Rock 2.0	
Total 22.0	
Winze #3	
Elev. Collar 944.0	940.5-940.5 54.95 .068
Ore 18.5	405-375 59.66 .058
Rock 2.5	375-345 53.72 .050
Total 21.0	345-315 61.18 .044
	315-285 62.98 .070
	285-255 64.45 .048
Winze #4	
Elev. Collar 942.0	942.0-938.0 60.43 .057
Ore 20.0	380-350 61.58 .040
Sand 2.0	350-320 62.07 .048
Rock 2.0	320-290 61.68 .051
Total 22.0	290-260 62.66 .076
	260-220 62.43 .062
Winze #5	
Elev. Collar 943.5	943.5-940.0 62.63 .060
Ore 15.5	940.0-370 62.46 .043
Sand 1.5	370-340 63.47 .050
Total 20.5	340-310 62.73 .072
	310-280 62.11 .106
	280-250 60.25 .135
Winze #6	
Elev. Collar 932.0	932.0-929.0 60.42 .035
Ore 14.8	290-260 62.07 .038
Rock 2.0	260-230 64.28 .017
Total 16.8	230-200 63.30 .041
	200-172 62.23 .046

JOHN M THOMAS CO.
MILWAUKEE WIS.
ENGINEERING DEPARTMENT
WILLIAMS MINE

NE 1/4 - NW 1/4 - 2 - 58 - 16

FIRST LEVEL
" SUB "

Scale 1" = 50'
L. B. G.



JOHN M THOMAS CO.

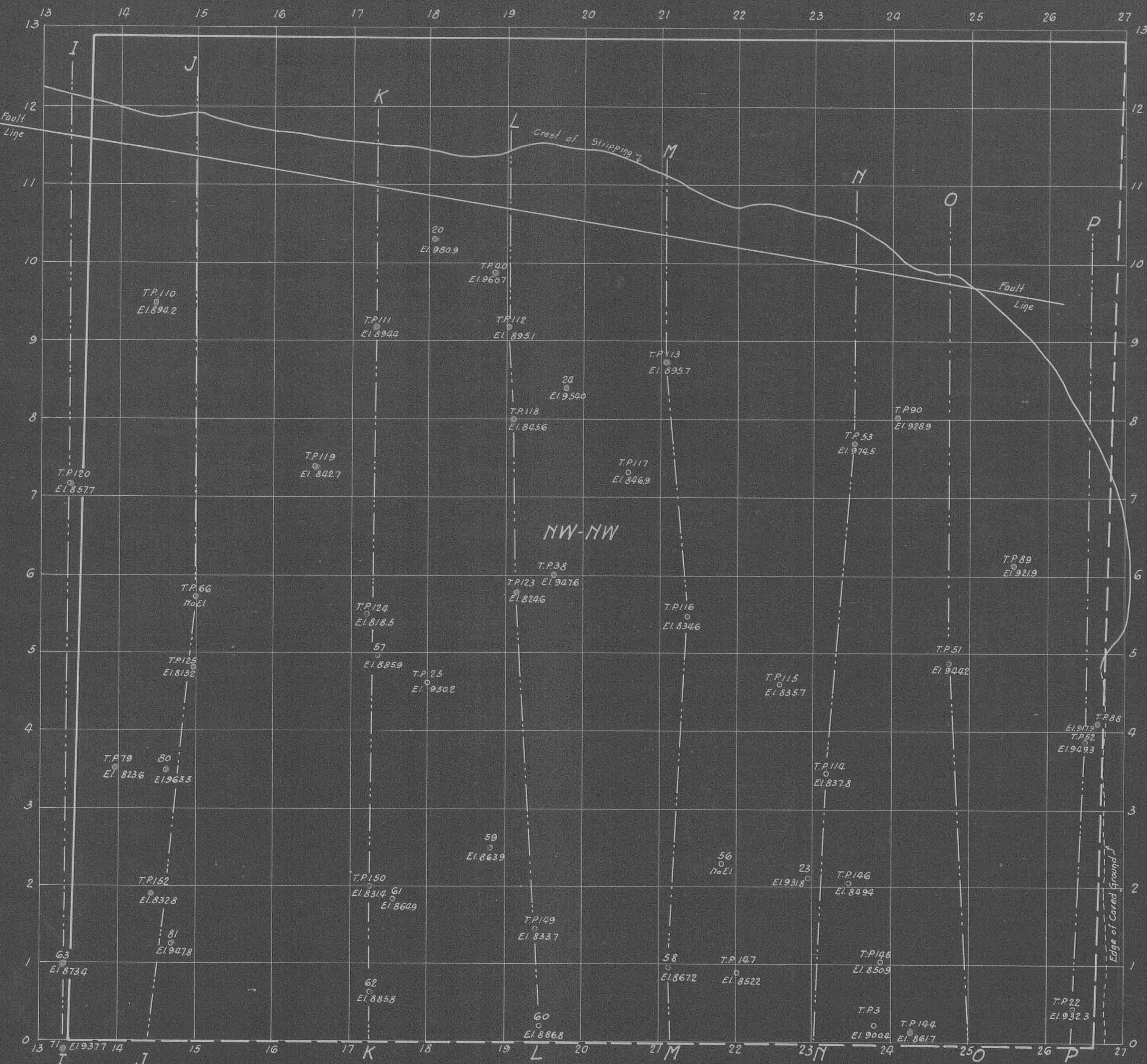
MILWAUKEE WIS.

ENGINEERING DEPARTMENT

WILLIAMS MINE

NE 1/4 - NW 1/4 - 2 - 58 - 16

28' SUB
28' LEVEL
60' LEVEL
38' SUB
48' SUB
70' SUB
Scale 1" = 50'



BIWABIK MINING COMPANY
EXPLORATIONS ON
NW-NW SECTION 2-58-16
ST. LOUIS COUNTY, MINN.
"BIWABIK MINE"
MAY 1st 1917
SCALE 1 IN. = 100 FT.