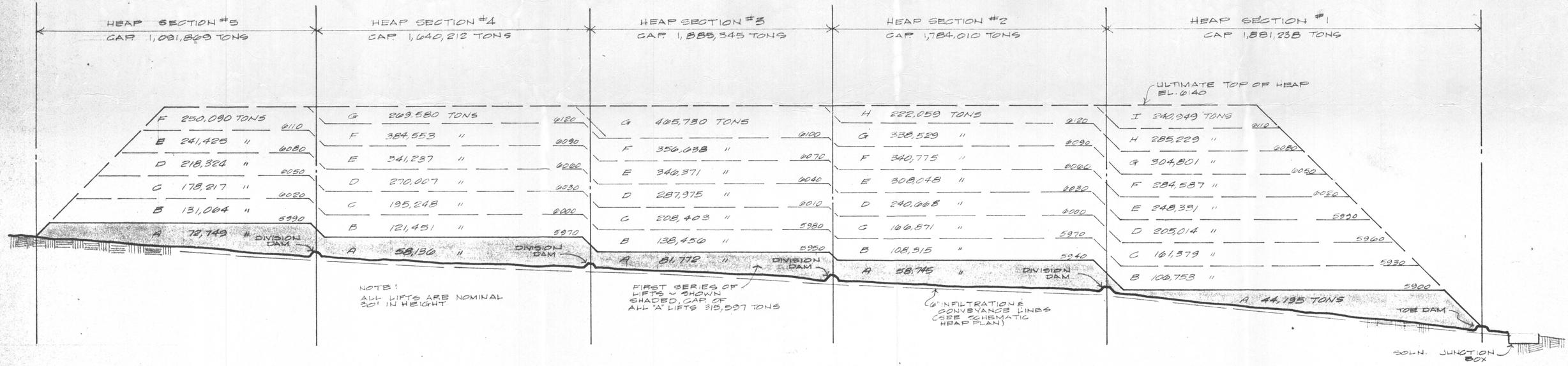
TOTAL CAPACITY ~ ENTIRE HEAP 8,282,674 TONS

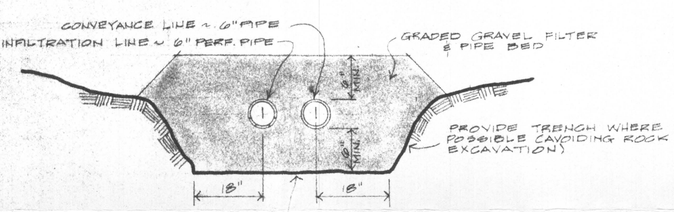


NOTE!
ALL LIFTS ARE NOMINAL 30' IN HEIGHT

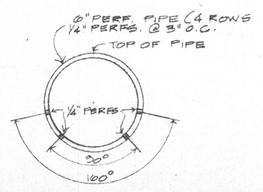
FIRST SERIES OF LIFTS ~ SHOWN SHADED, CAP. OF ALL 'A' LIFTS 315,597 TONS

6" INFILTRATION & CONVEYANCE LINES (SEE SCHEMATIC HEAP PLAN)

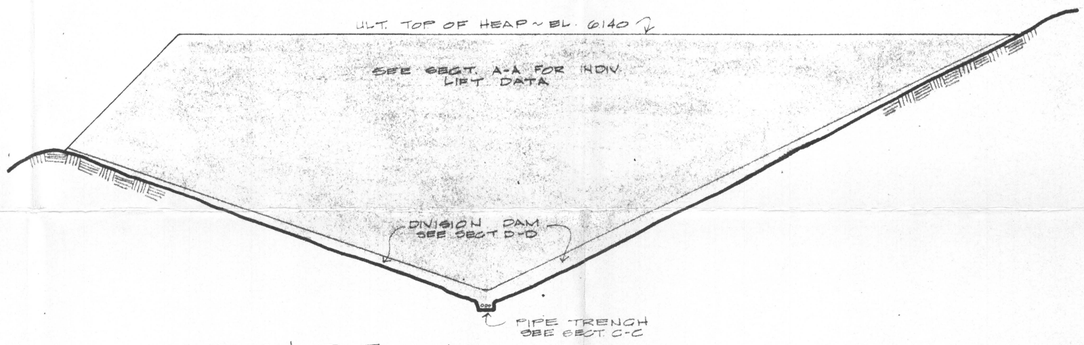
SECTION A-A 1"=60'
LEACHING HEAP



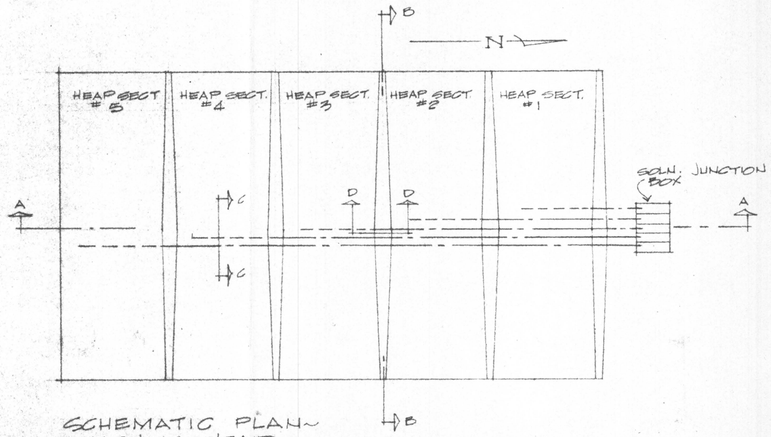
SECTION C-C N.T.S.
TYP. PIPE TRENCH



TYPICAL PERF. PIPE N.T.S.



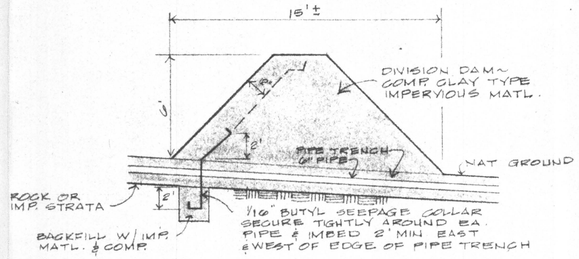
SECTION B-B 1"=60'
LEACHING HEAP



SCHEMATIC PLAN ~ LEACHING HEAP N.T.S.

PIPE LEGEND
- - - - INFILTRATION LINE ~ 6" PERFORATED PIPE
—.—.— CONVEYANCE LINE ~ 6" PIPE

NOTE:
LAY ALL PIPE ON A CONSTANTLY FALLING GRADIENT TO OUTLET @ JUNCTION BOX



ALTERNATE ~ SHOWN DASHED
IF NO IMPERVIOUS MATL IS AVAILABLE FOR DAM, EXTEND BUTYL TO TOP OF DAM FOR A DISTANCE OF 100' EAST & WEST OF ℄ OF PIPE TRENCH. PROVIDE 6" SAND FILL ON EA SIDE BUTYL TO PROTECT FROM SHARP ROCKS

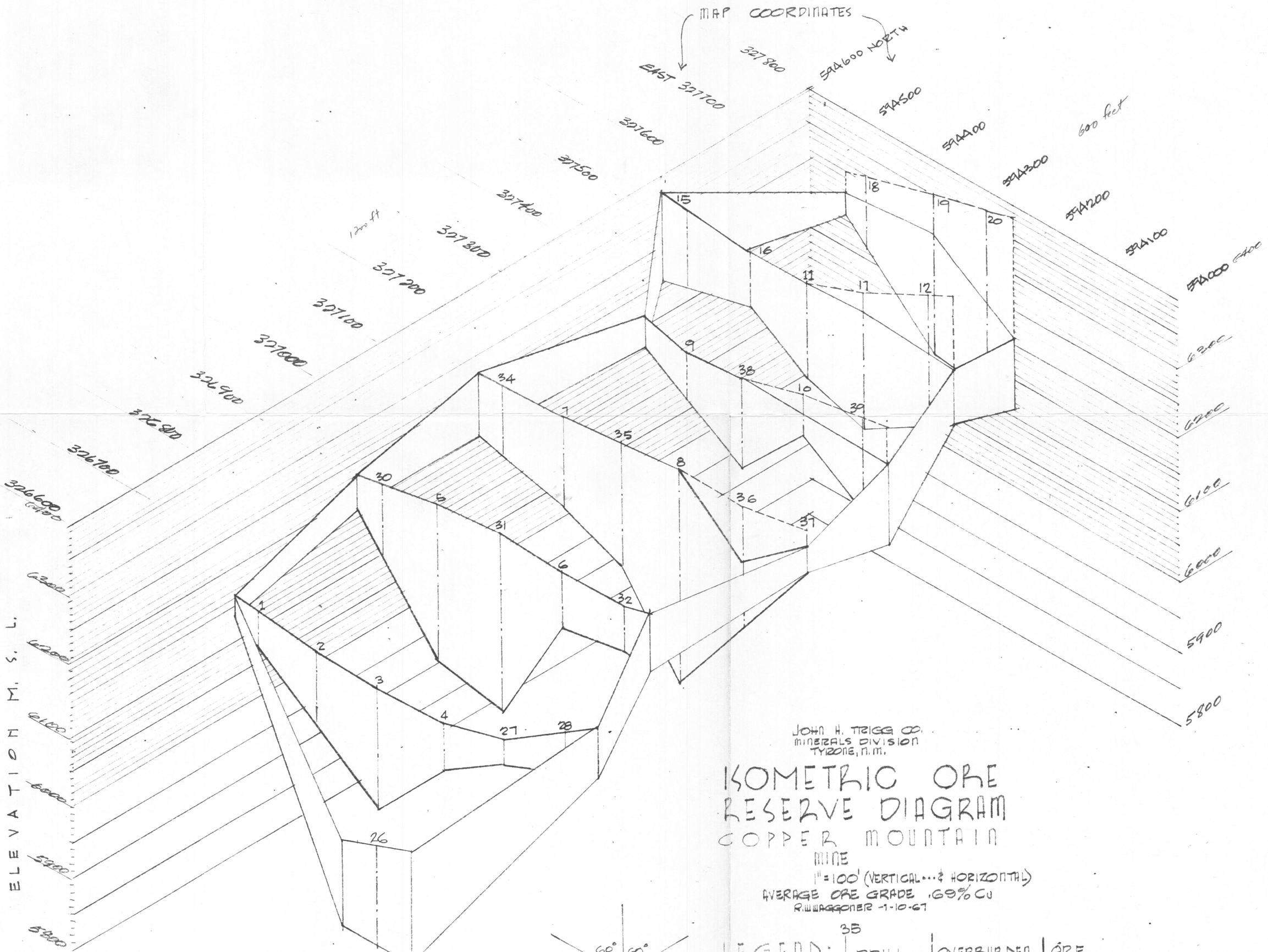
SECTION D-D
TYP. DIVISION DAM N.T.S.

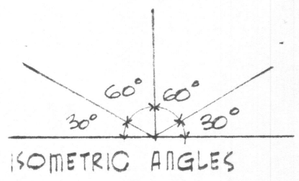
NOTE
SEE DWG. NO. 243-01-11 FOR ACTUAL TOPOGRAPHICAL LAYOUT OF LEACHING HEAP

JOHN H. TRIGG CO.

LEACHING HEAP DETAILS
COPPER LEACH SITE
TYRONE, NEW MEXICO
DEC., 1966

243-01-12





ISOMETRIC ANGLES

JOHN H. TRIGG CO.
MINERALS DIVISION
TYRONE, N.M.

ISOMETRIC ORE RESERVE DIAGRAM

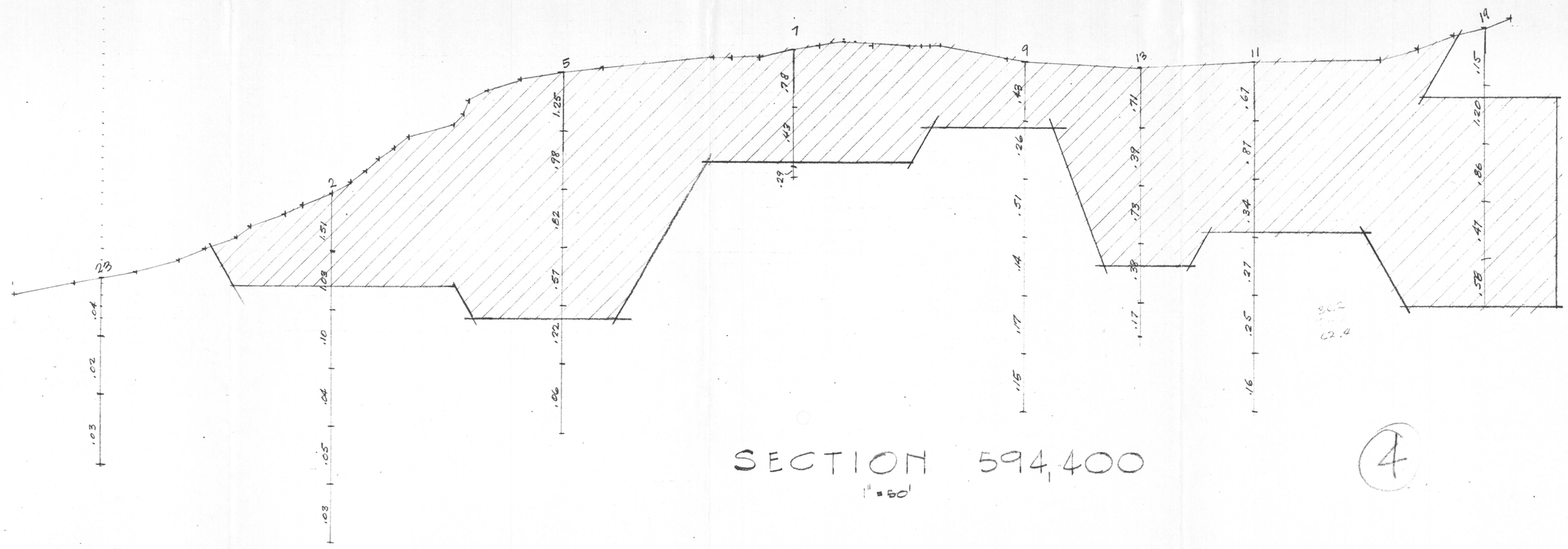
COPPER MOUNTAIN MINE

1" = 100' (VERTICAL ... & HORIZONTAL)

AVERAGE ORE GRADE .69% Cu

R.W. WAGGONER -1-10-67

LEGEND: 35 DRILL HOLE | OVERBURDEN | ORE LIMITS



SECTION 594,400

1" = 50'

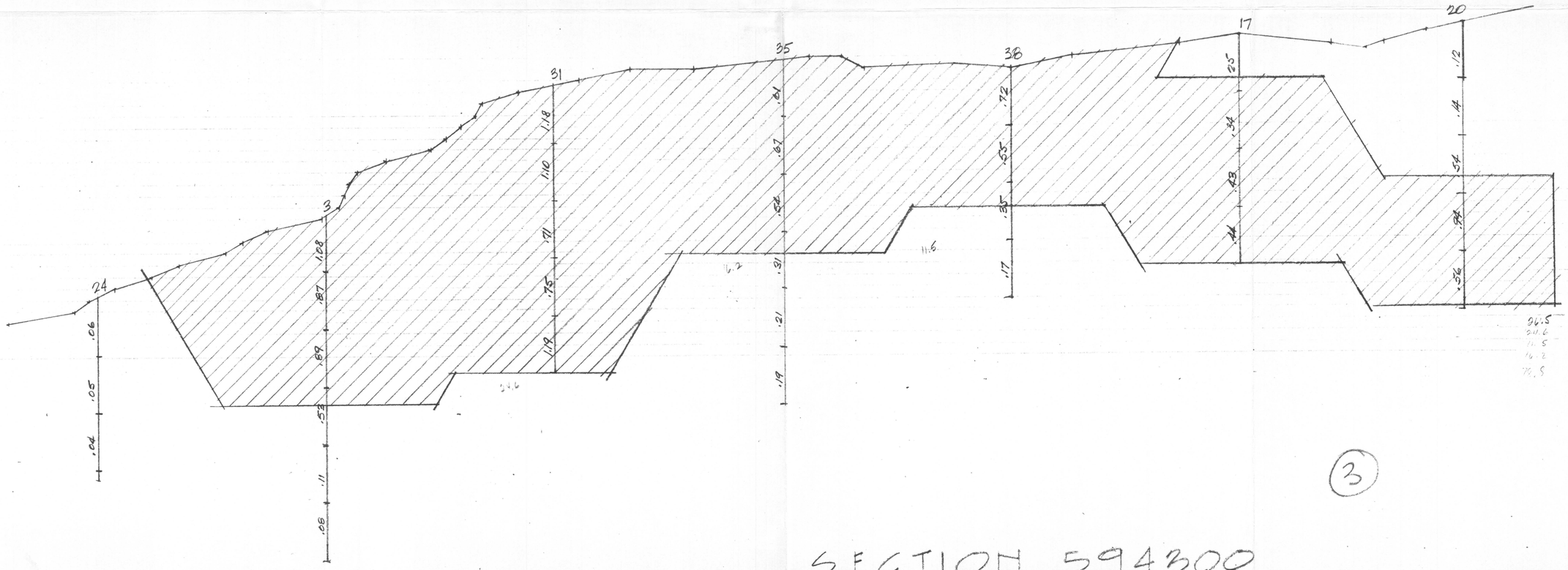
4

6400

6300

6200

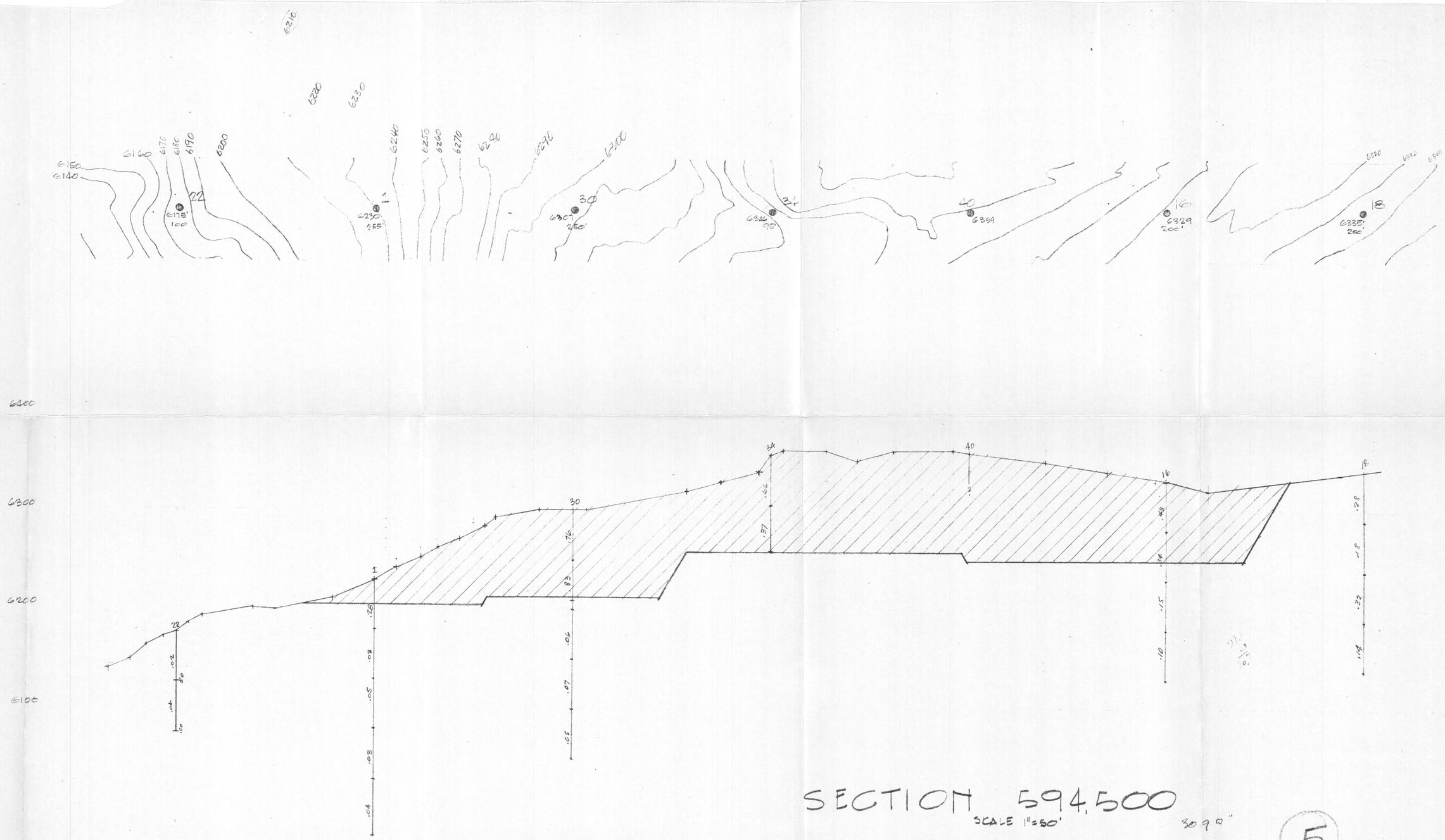
6100



(3)

SECTION 594,300

SCALE 1" = 50'

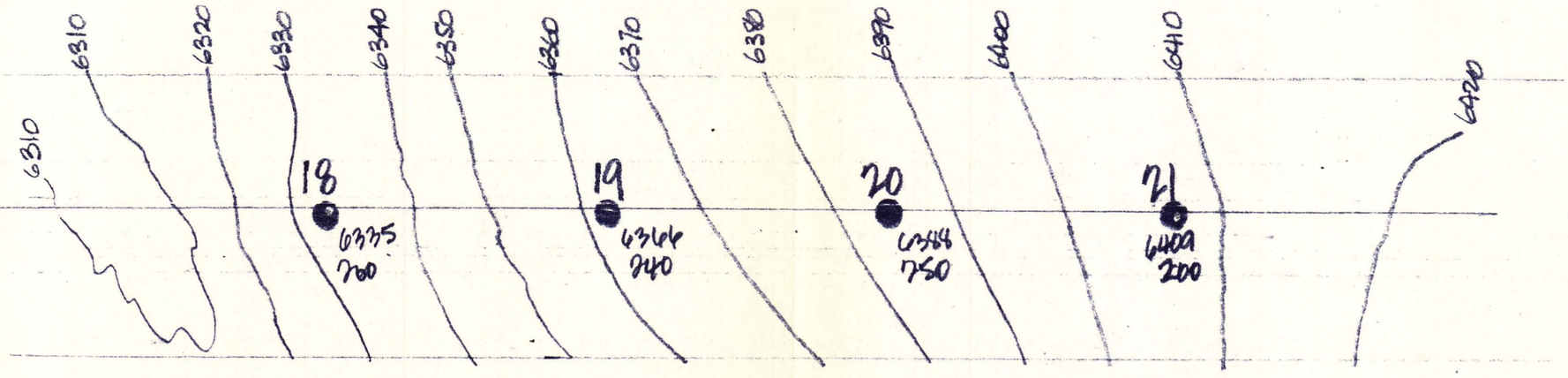


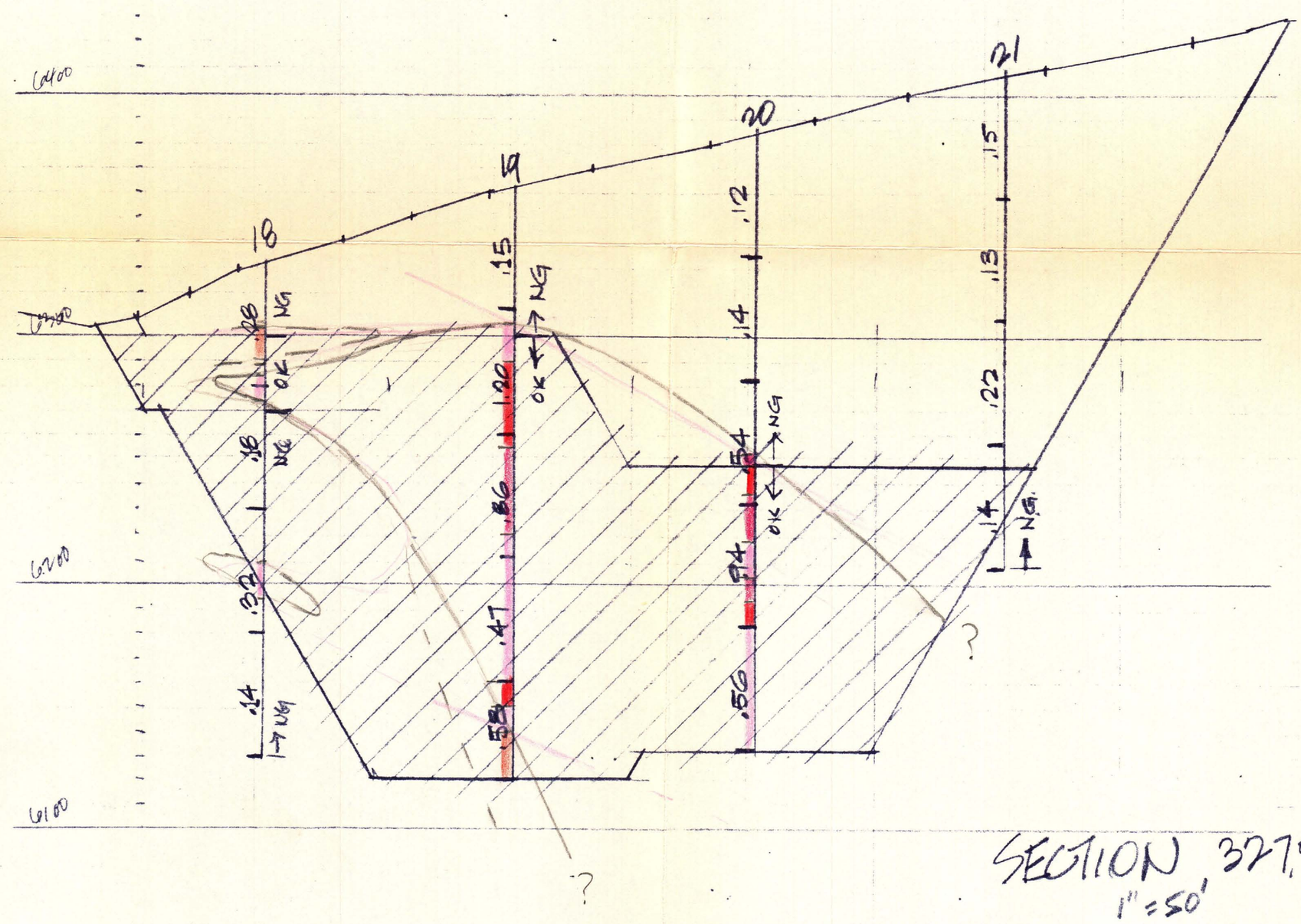
SECTION 594,500

SCALE 1"=50'

30.9 □"

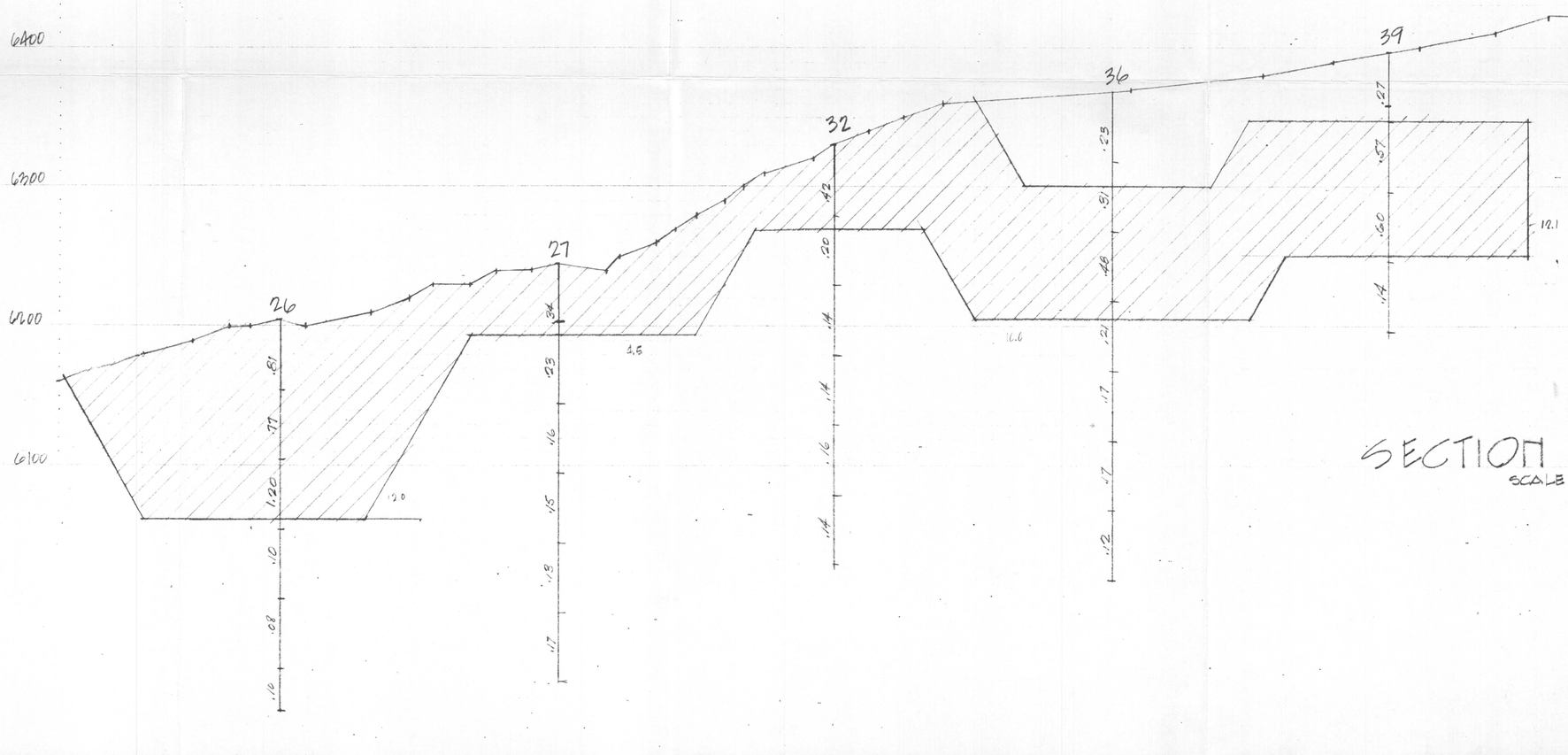
5





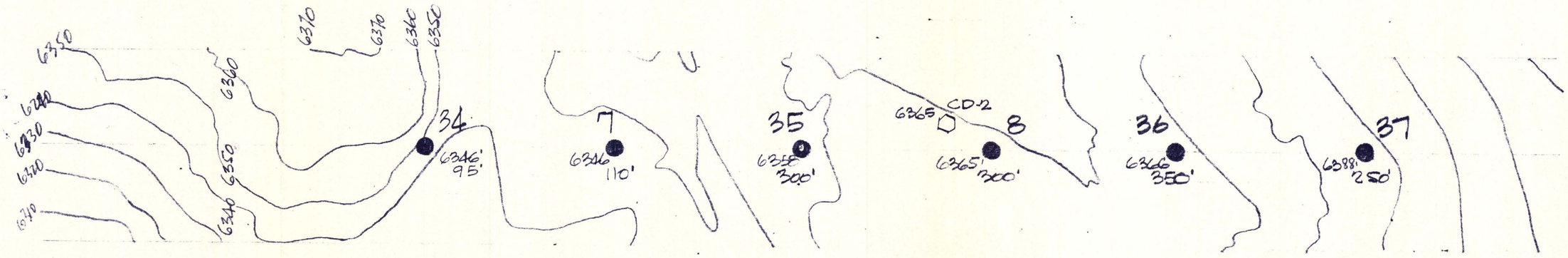
SECTION 327.800
1" = 50'
HOLES 18-19-20-21

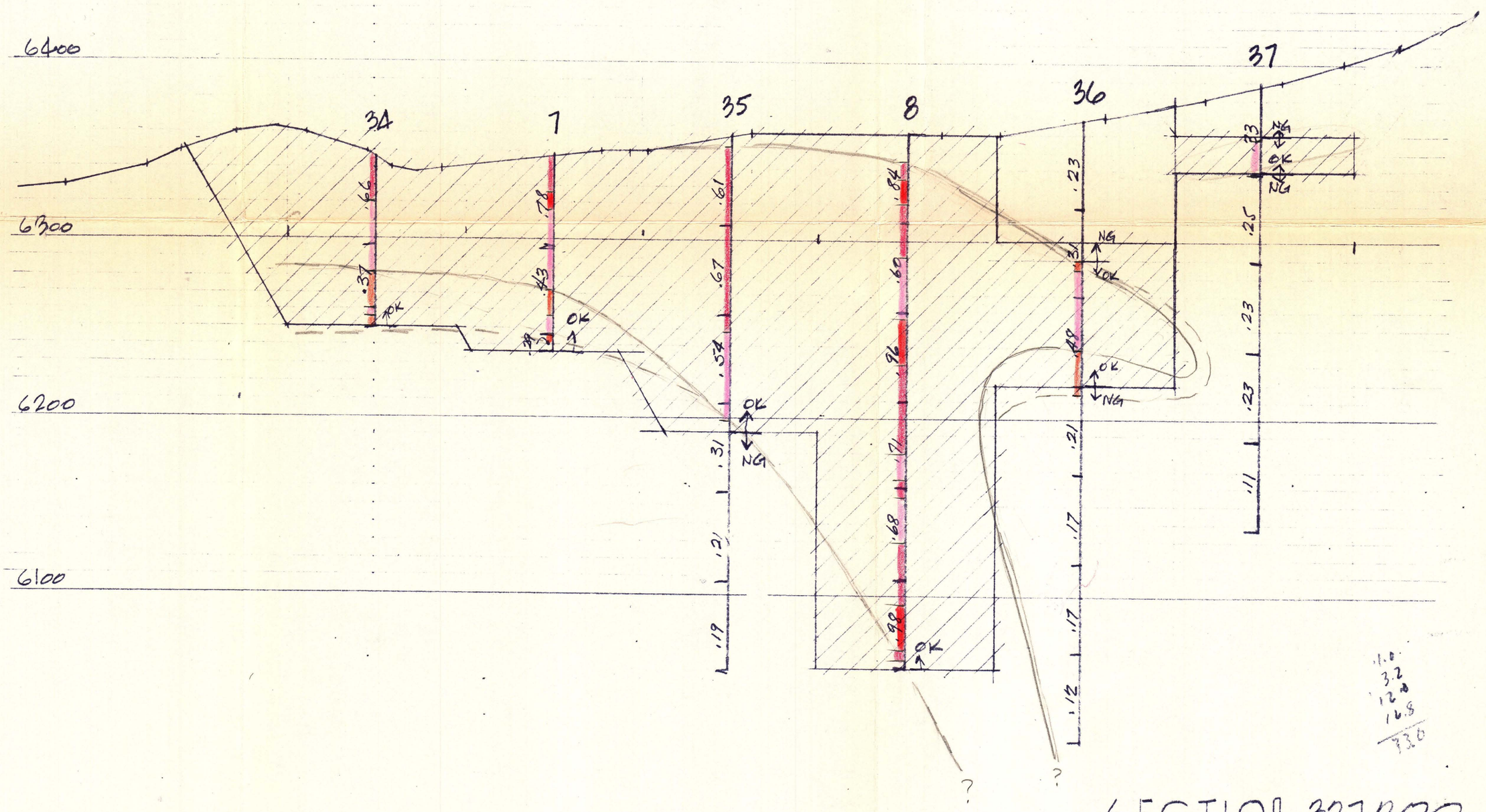
7



SECTION 594,100
SCALE 1"=50'
38.6

(1)

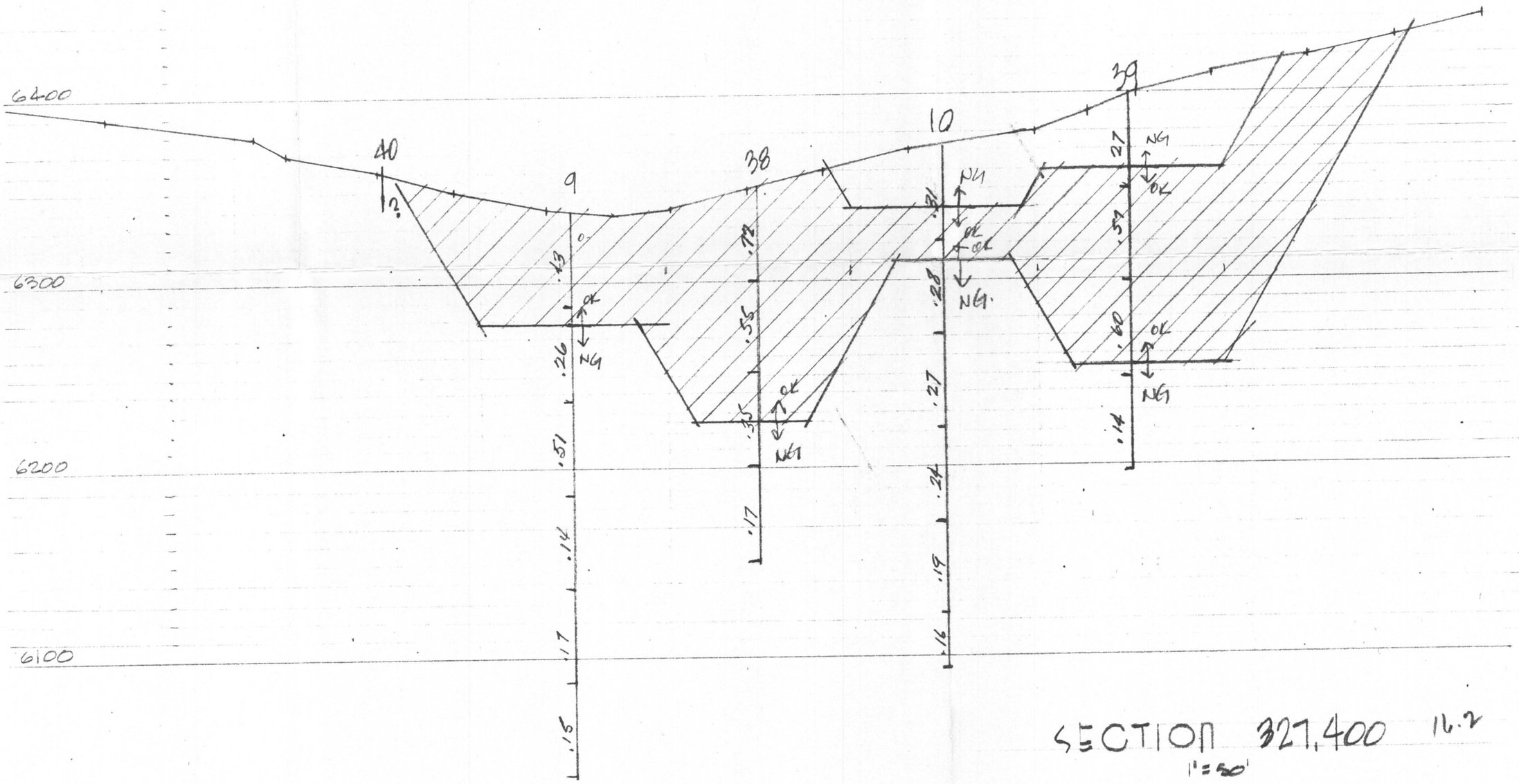




1.0
3.2
12.0
16.8
33.0

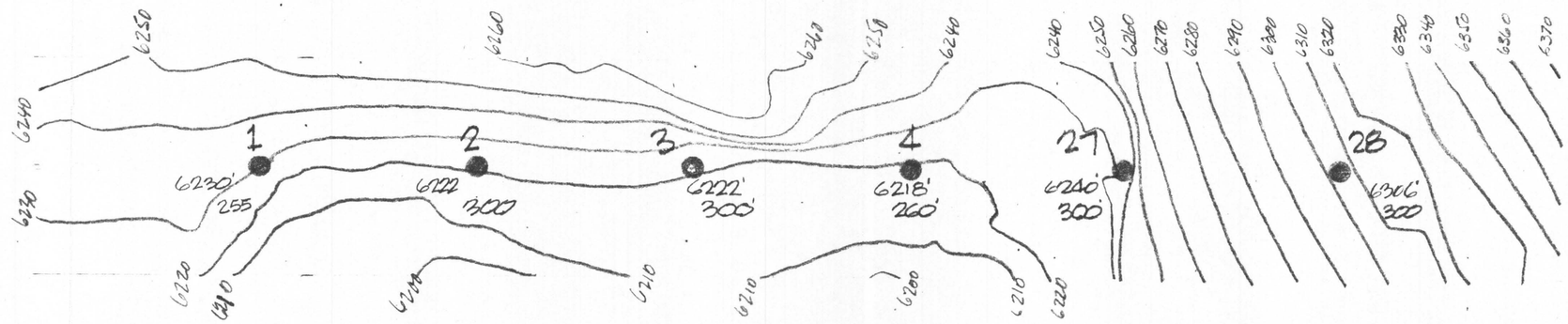
SECTION 327,200
1" = 50'
HOLES 34-7-35-8-36-37

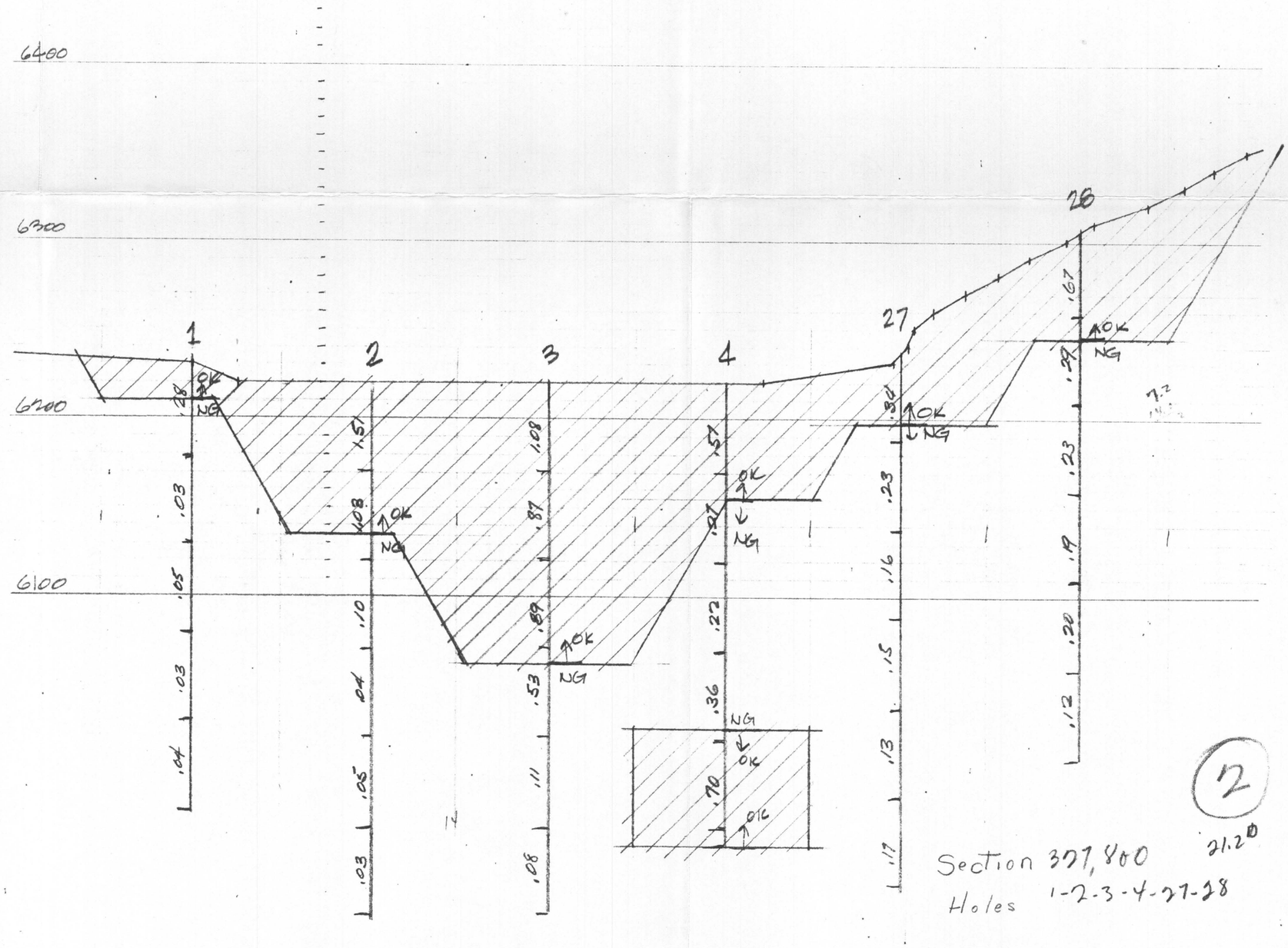
(4)



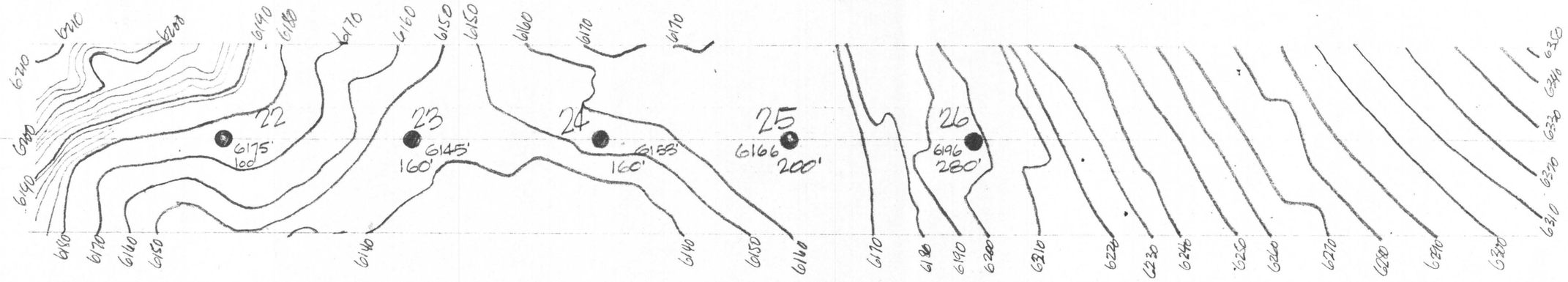
SECTION 327,400 16.2
1"=50'

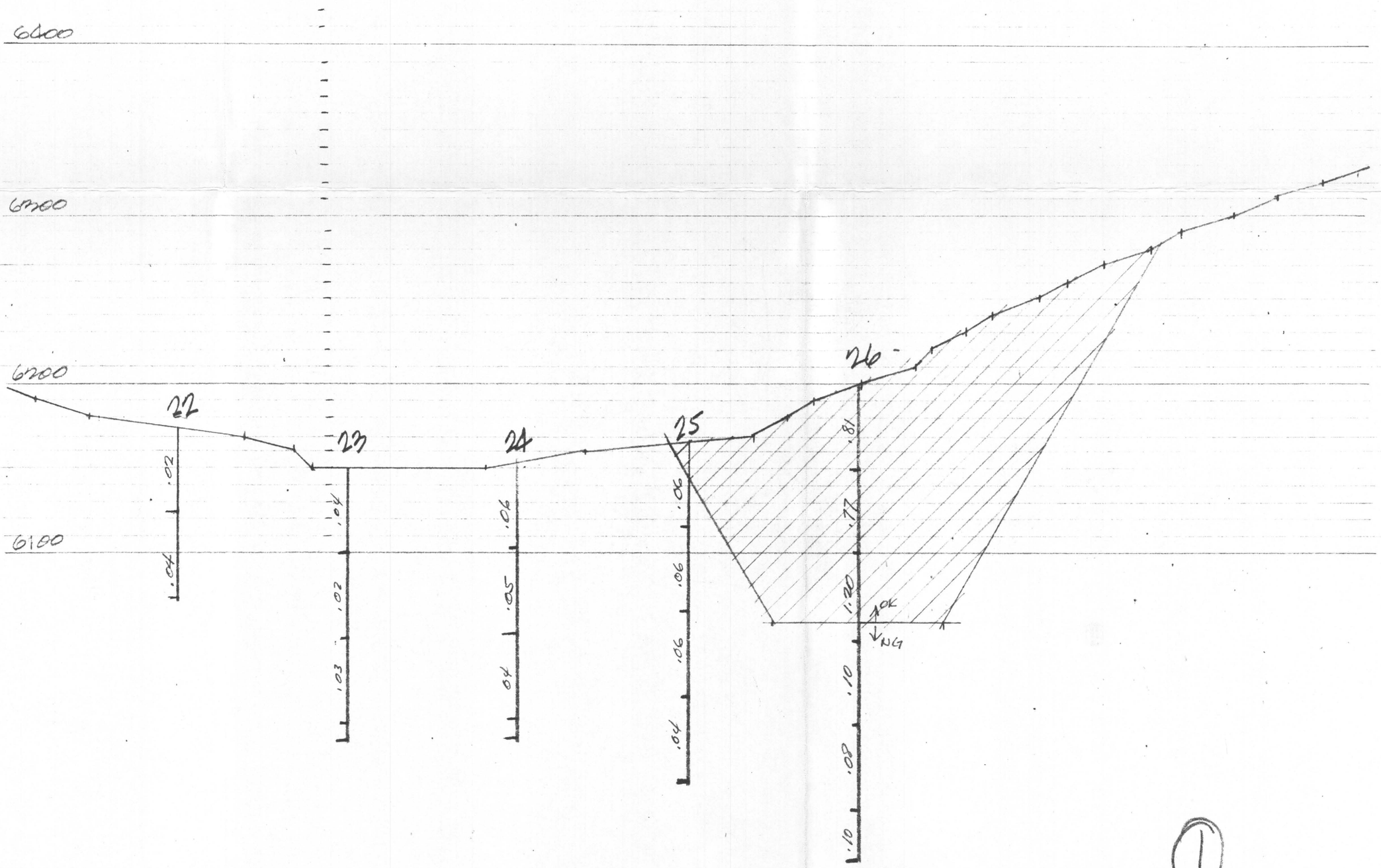
HOLES 40-9-38-10-39





Section 327,800
Holes 1-2-3-4-27-28





SECTION 326,600 11.4 A"

1" = 50'

HOLES 22-23-24-25-26

N598,000

N596,000

N594,000

N592,000

E324,000

E326,000

E328,000

E330,000

LEACHING PLANT

KPE 225-5

KPE 225-1

KPE 225-3

1264 GOLF LODE

1762 DICK NO. 2

1762 DICK NO. 1

1762 DICK NO. 3

1762 NORWAY

1762 SWEDE LODE

212 PARKER LODE

180 ST LOUIS LODE

211 COPPER MOUNTAIN LODE

ORE BODY

1292 RIDGE SPRING LODE

1242A HIGHLAND CHIEF LODE

1242A RANDLE STICK LODE

1242A MCKINLEY

1242A JOHN H. LESTER LODE

1242A FANNEY LODE

1242A ROOSEVELT

1205A LIBERTY BELL LODE

1205B LIBERTY BELL NO 3

1397 COPPER HILL 1205B

1365 LIBERTY BELL NO 2 LODE

1671 GRAY EAGLE

SNOW BIRD

SPANISH GIRL FRAC

SPANISH GIRL

1412 LUCKY CHARLIE

1670 BLACK EAGLE LODE

N

SCALE 1"=200'

200 400 600 800 1000 FEET

THIS MAP WAS COMPILED IN 1968 BY PHOTOGRAMMETRIC METHODS UTILIZING KELSH HIGH ORDER STEREO PLOTTING EQUIPMENT.
DATE OF PHOTOGRAPHY APRIL 5, 1968

TABLE OF COORDINATES AND ELEVATIONS

KPE 225-1	N 593,838.60	E 326,933.73	ELEV 6401.2
KPE 225-3	N 594,862.00	E 327,673.18	ELEV 6387.9
KPE 225-5	N 597,421.44	E 326,466.66	ELEV 6182.4'

GRID BEARING AND GRID DISTANCE FROM
KPE 225-1 TO KPE 225-3
N 35° 50' 59" E 1262.59'

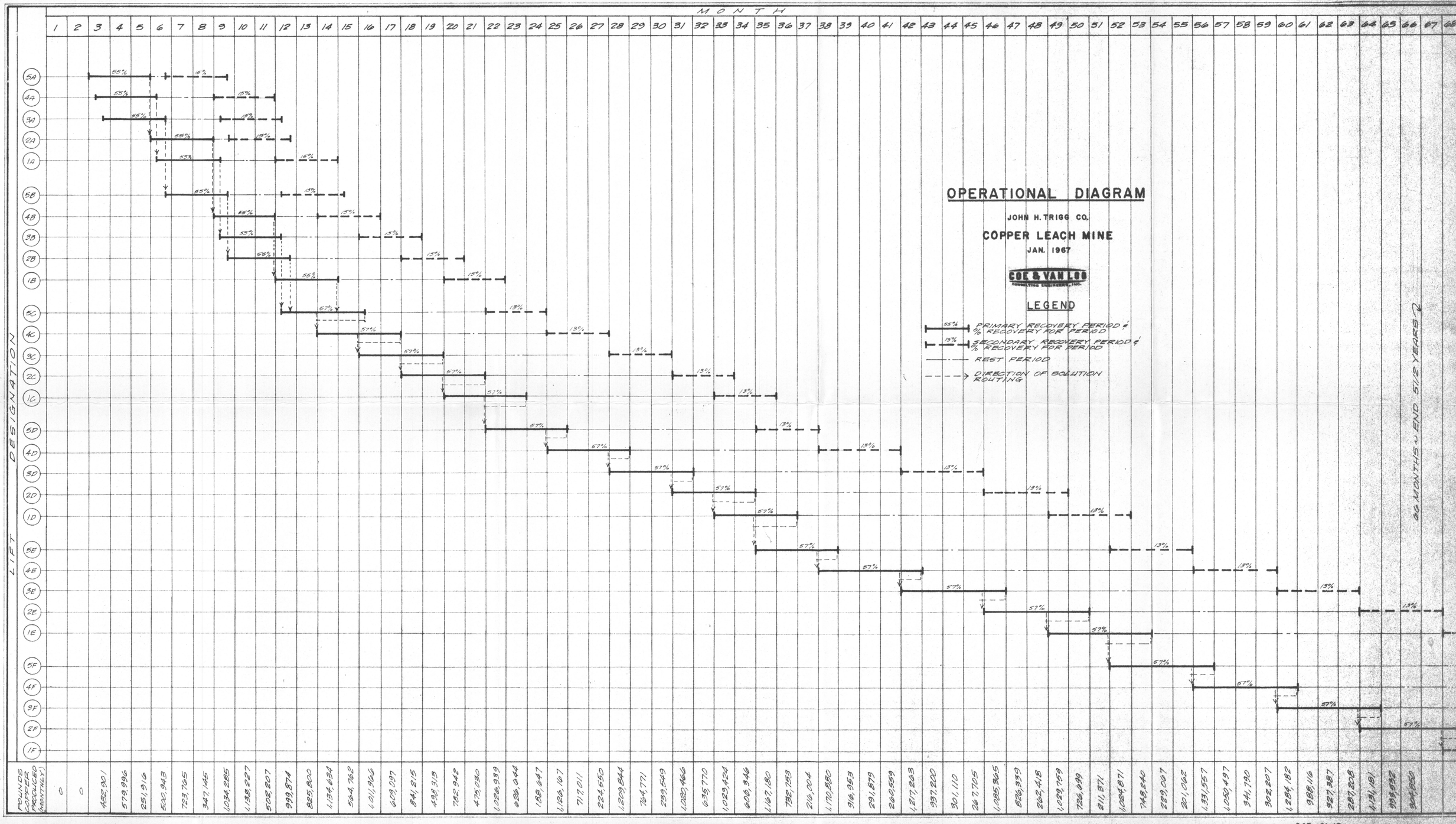
KPE 225-1 TO KPE 225-5
N 07° 23' 45" W 5,616.90'

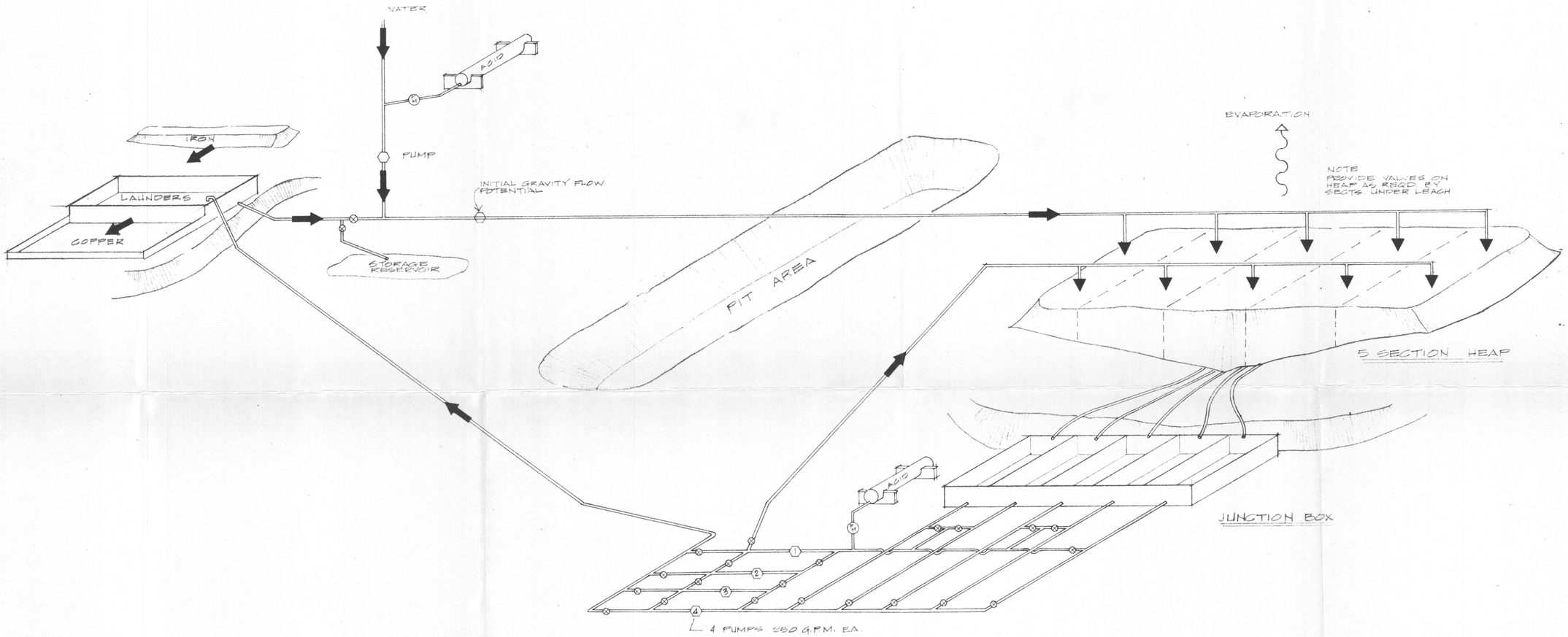
ANGLE BETWEEN TRUE NORTH AND GRID NORTH
0° 16' 07" WEST OF GRID NORTH

Trigg Property
Tyrone, New Mexico

USNR MINING & MINERALS, INC.
COPPER MOUNTAIN MINE
COPPER MOUNTAIN PIT

CLAIM MAP
SCALE 1" = 200'


MONTH
LIFT DESIGNATION
POUNDS COPPER RECOVERED MONTHLY
OPERATIONAL DIAGRAM
JOHN H. TRIGG CO.
COPPER LEACH MINE
JAN. 1967
COE & VAN LOO CONSULTING ENGINEERS, INC.
LEGEND
55% PRIMARY RECOVERY PERIOD & % RECOVERY FOR PERIOD
15% SECONDARY RECOVERY PERIOD & % RECOVERY FOR PERIOD
REST PERIOD
DIRECTION OF SOLUTION ROUTING
66 MONTHS TO END 51.2 YEARS
243-01-15



PRELIMINARY

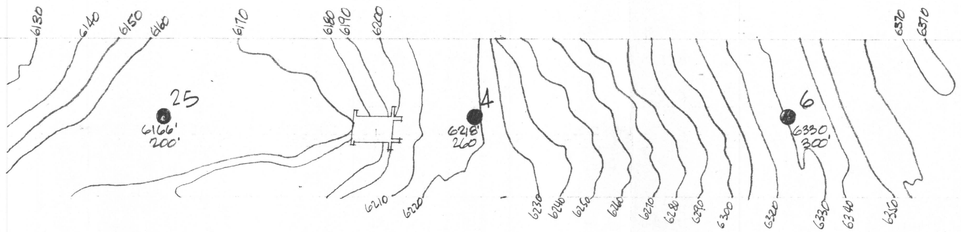
COPPER LEACH SITE

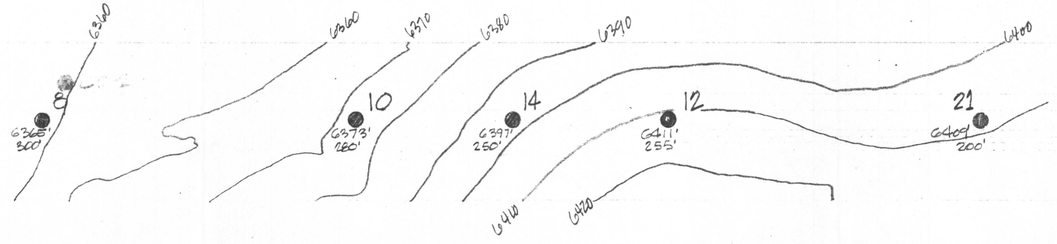
FLOW SHEET

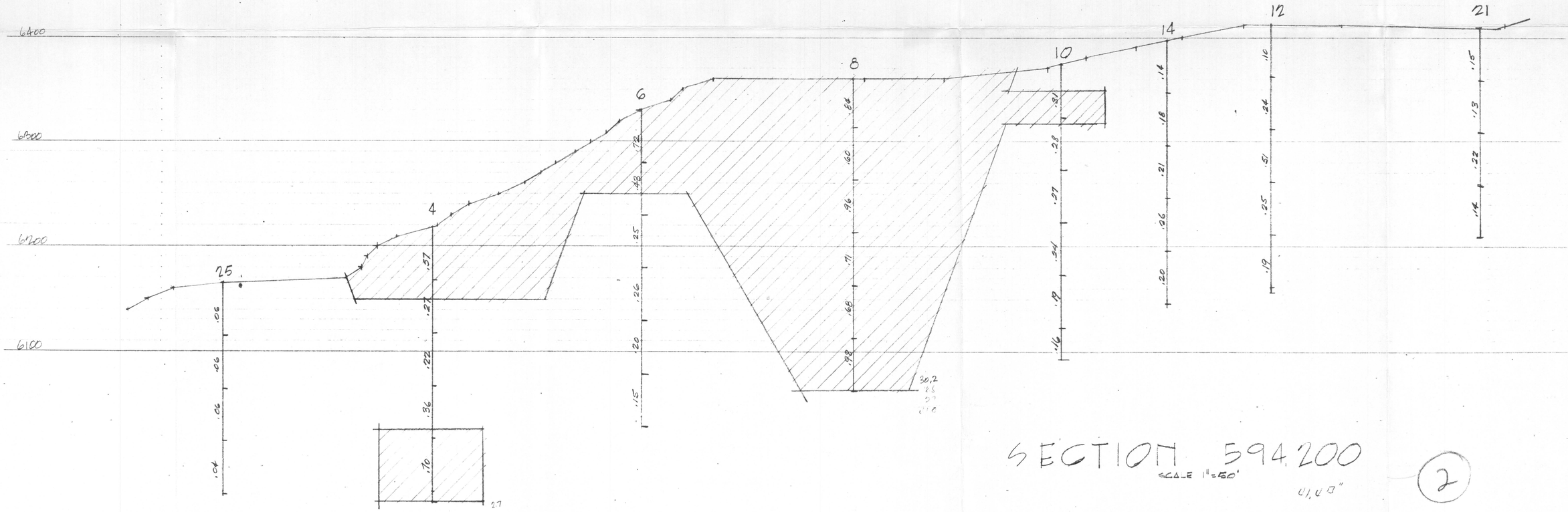
OCT., 1966

COE & VAN LOO
CONSULTING ENGINEERS, INC.

243-01-07





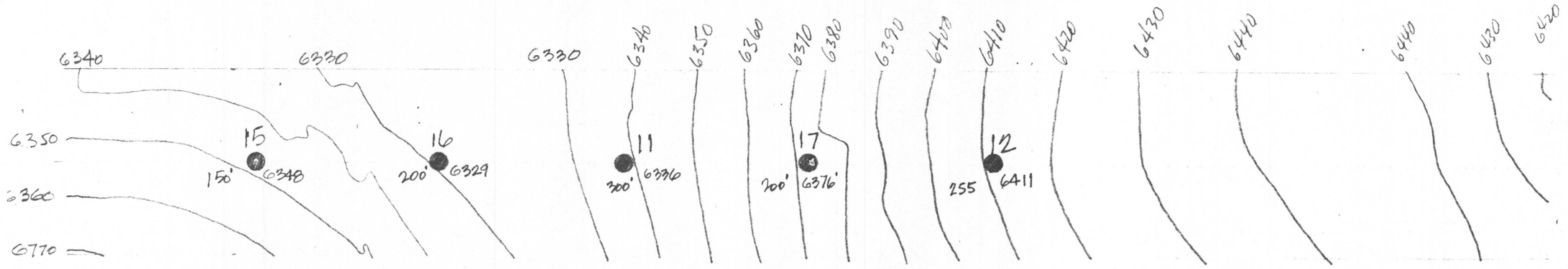


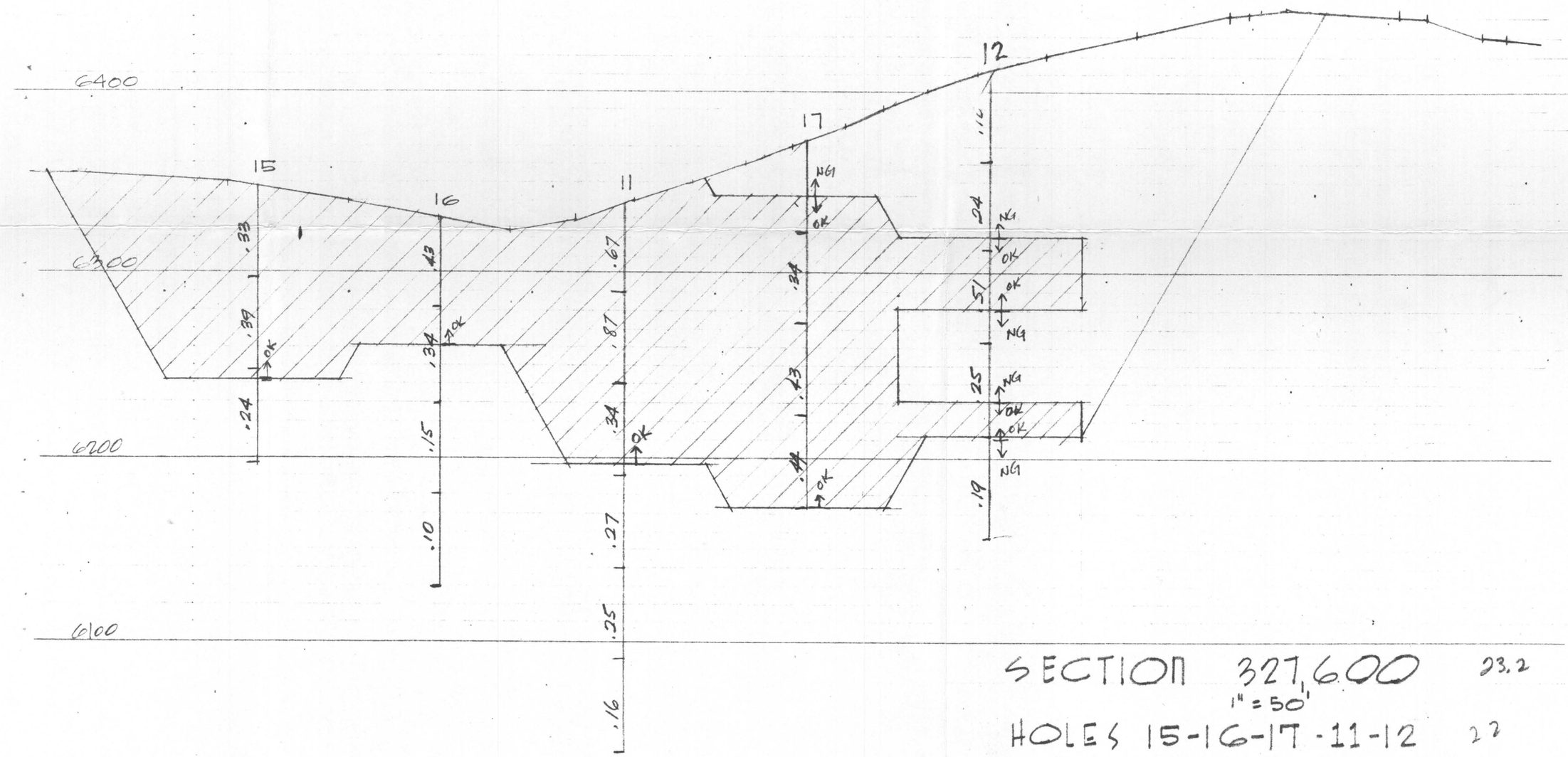
SECTION 594200

SCALE 1"=50'

41,00"

(2)

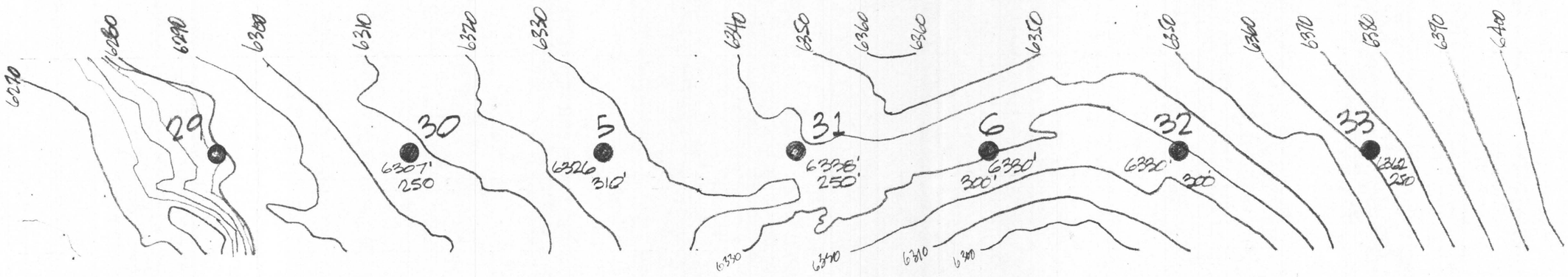


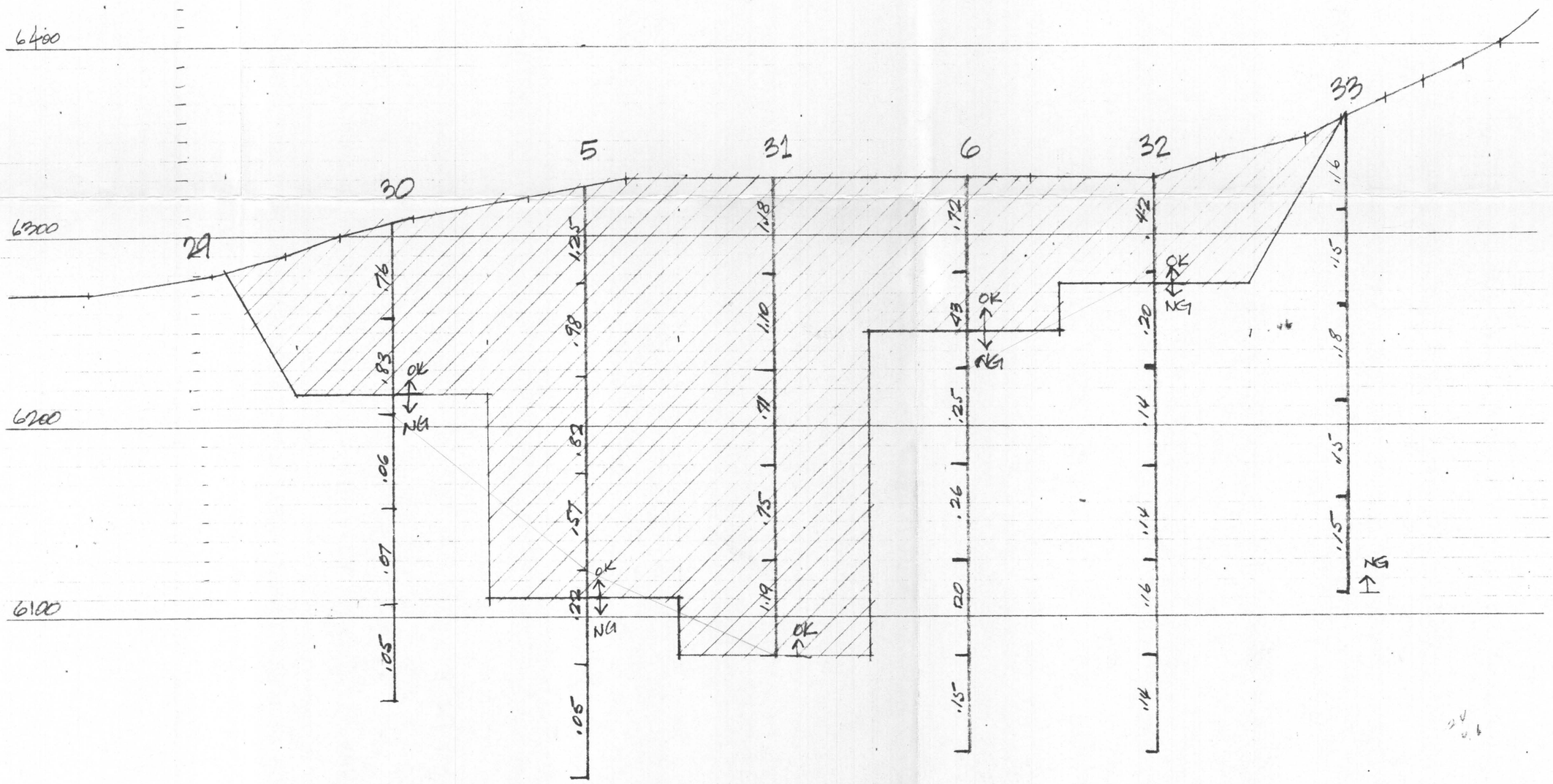


SECTION 327,600 23.2

1" = 50'

HOLES 15-16-17-11-12 22





SECTION 327,000
1" = 50'

#OLES 29-30-5-31-6-32-33

28.6

(3)

TOPOGR
COPPER LE
Located in Sections
GRANT COU
USNR MININ
SILVER C
PRE
CONTINENT
BALTIMORE LODE 1294
ORRIOLE CLAIM