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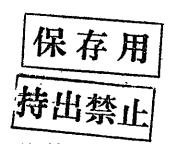
IN

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SPEEDE REPRESENCES OF VILLE NAVIE

VOLUMBEII

THE OVERSEAS TROUBLEAUF COOPERATION AGENCY
TOKYO



GOVERNMENT OF THE REPUBLIC OF VIET-NAM

調查統計課

DATA BOOK

FOR

THE UPPER KRONG BUK IRRIGATION PROJECT

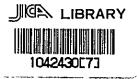
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THE UPPER SREPOK BASIN

VOLUME - I

39年

THE OVERSEAS TECHNICAL COOPERATION AGENCY
TOKYO



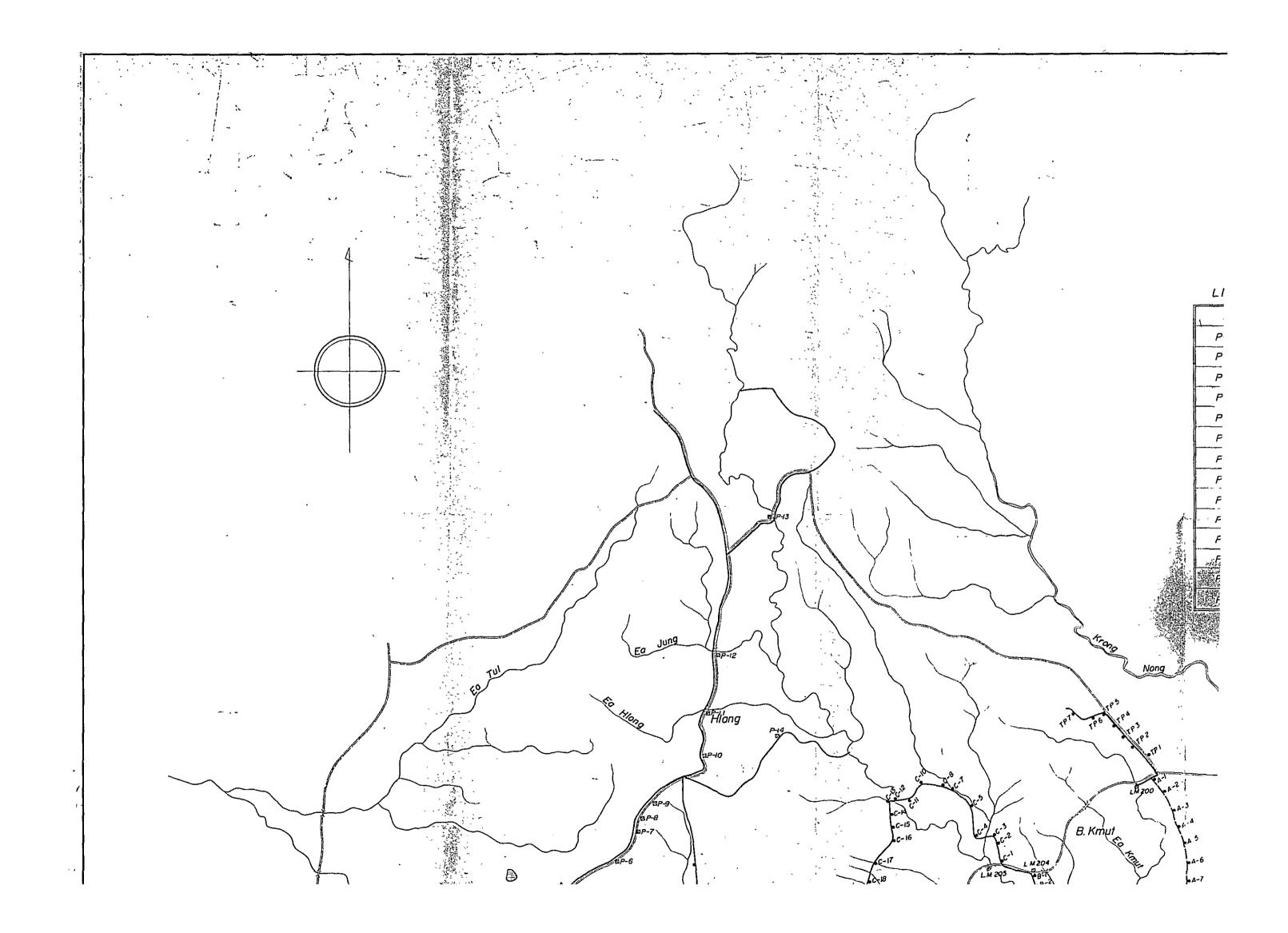
| 国際協力事業団 | | | | | | | |
|----------------|------|--|--|--|--|--|--|
| 受入 月日 184 5 18 | 1.23 | | | | | | |
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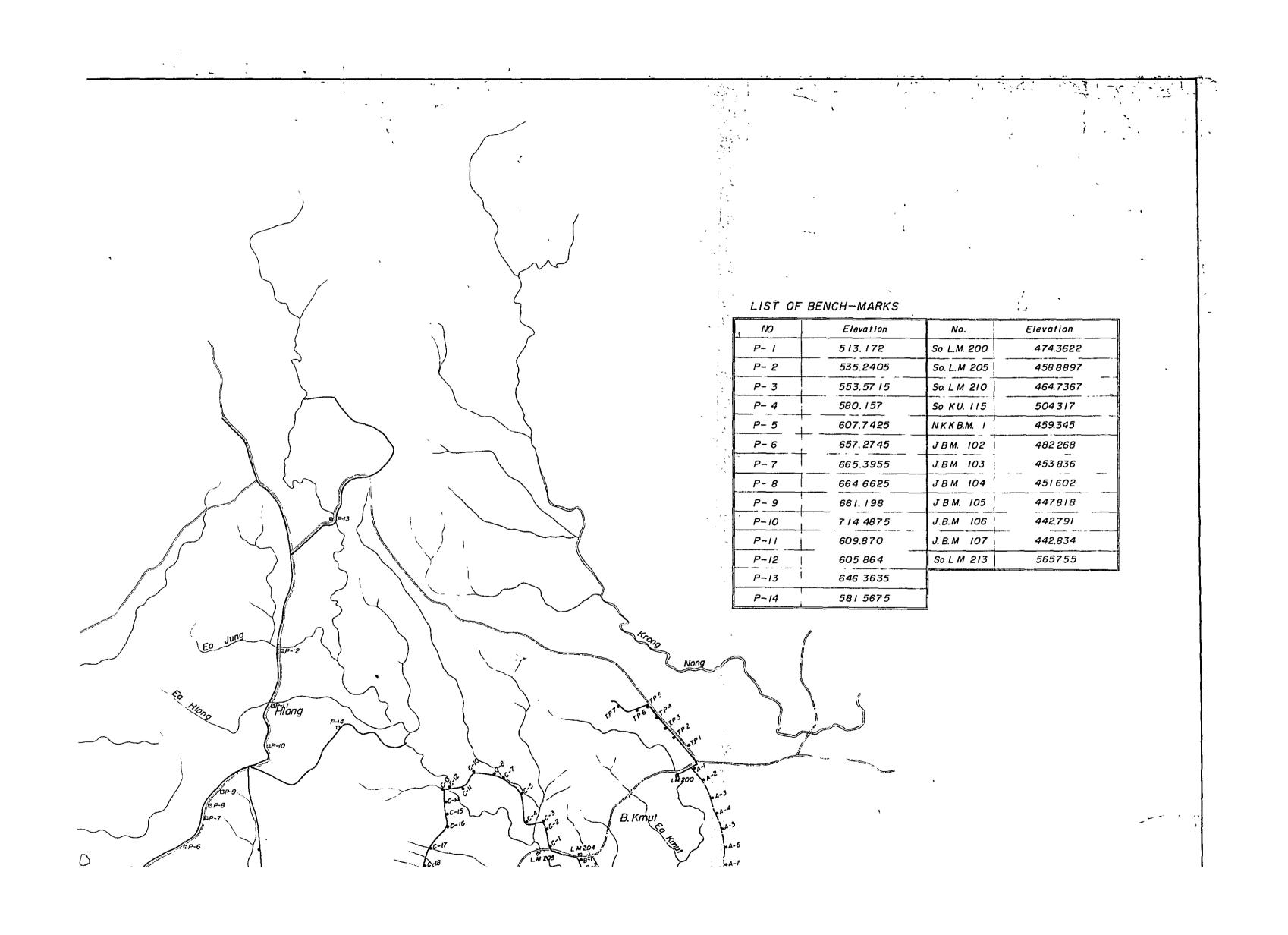
II. I. RESULTS OF SURVEY

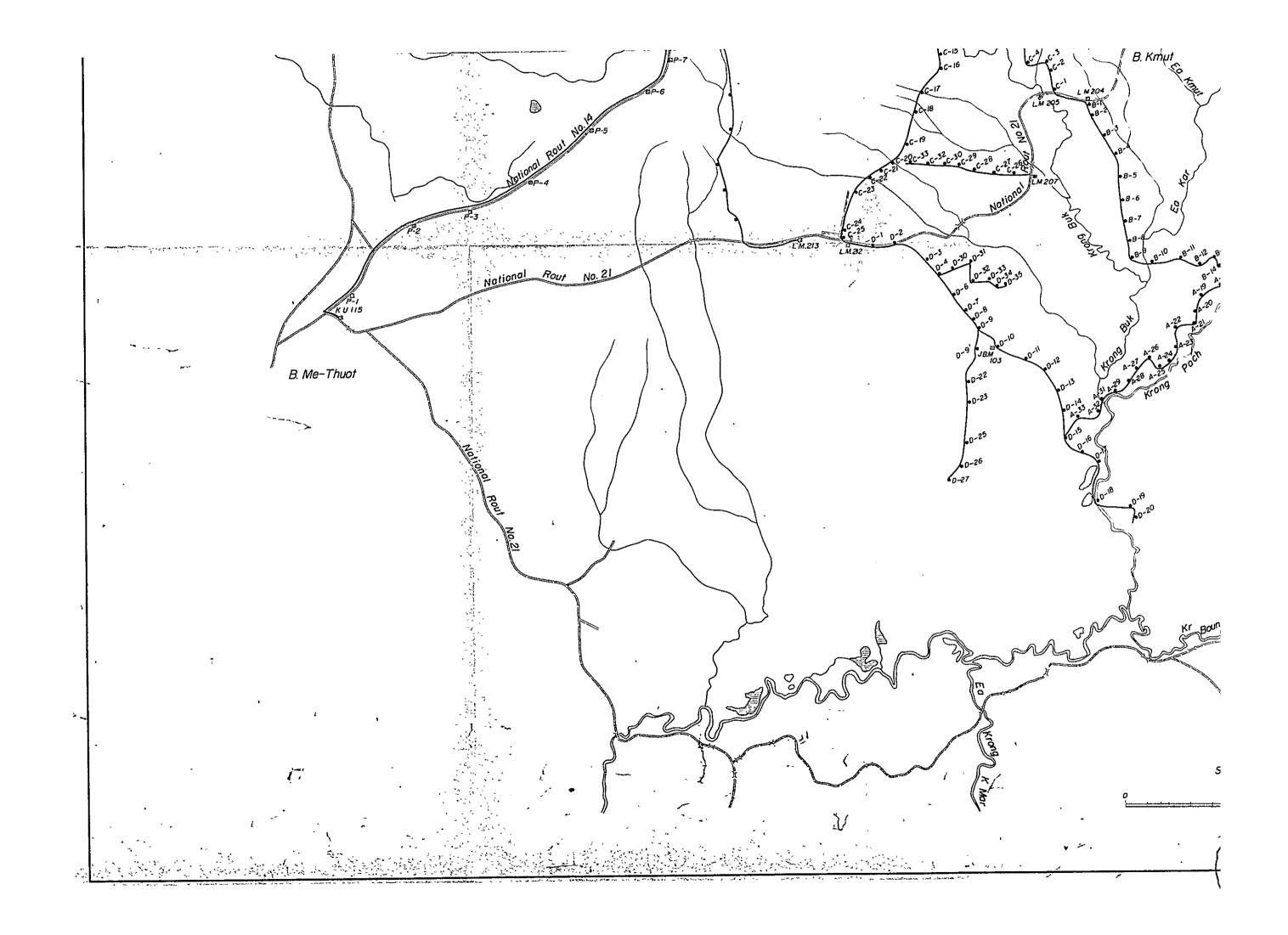
CONTENTS

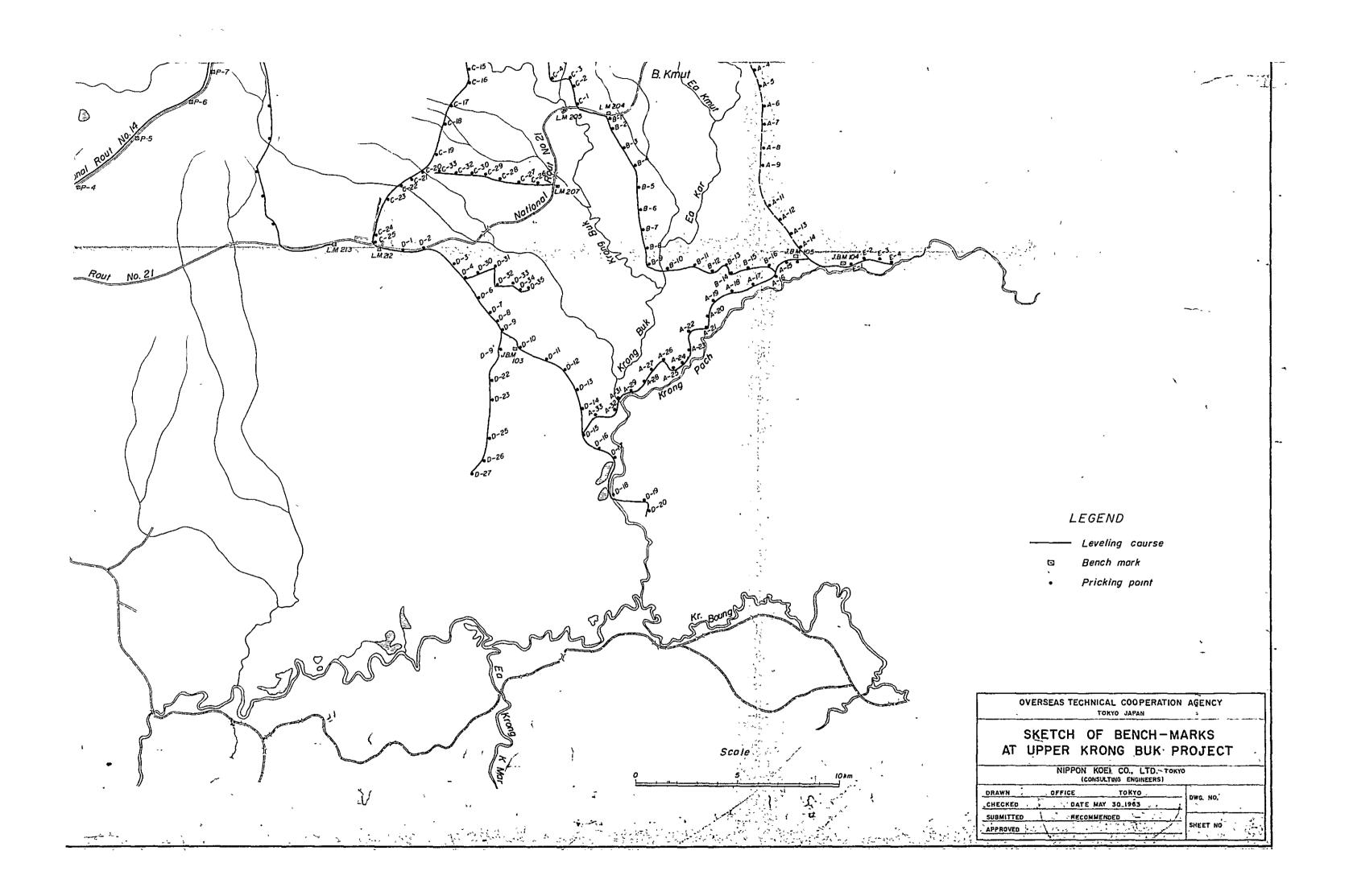
- 1. TYPICAL SIZE OF BENCH-MARK
- 2. SKETCH OF BENCH-MARKS AND PRICKING POINTS AT UPPER KRONG BUK
- 3. RESULTS OF LEVELING
- 4. MAP OF AREA TRIANGULATION
- 5. COMPUTATION OF TRIANGULATION
- 6. COMPUTATION OF TRAVERSING
- 7. ELEVATION COMPUTATION
- 8. COMPUTATION OF TELLUROMETER

TYPICAD SIZE OF BENCH-WARK. Cast, in Place Post 500. 2501 500 , ! 500









| В М <i>К</i> а | DESCRI | IPTIONS | вкштон |
|-------------------|----------------|--------------------------------|--|
| | ELEVATION | 453.836 | A \\ 9 |
| .в.и. 103 | LOCATION | Buon Knia | KNIA VILLAGE |
| J.B | ESTABLISHED ON | 28. APril 1963 | BUON KNIA |
| | Concrete Post | cast in Place | (to Rout Nationale #621) |
| | ELEVATION | 474.3622 | 20. A HEREN |
| 200 | | | TO THE TOTAL PROPERTY. |
| , г. м. 2 | | | Rout Nationale En 2 |
| go, | | | |
| | ELEVATION | 451.602 | Burveyed dam center lin |
| 104 | LOGATION | Krong Pach Dam site (Dia Diem) | DIA DIEM VILLAGE |
| J.B.M. | ESTABLISHED ON | 26.APril 1963 | - → - · · · · · · · · · · · · · · · · · · |
| | Concrete Post | cost in place | |
| | ELEVATION | 447.818 | To.B.K. |
| . 105 | LOCATION | Die Dim | E-ua e ou Contrage |
| J.B.M. | ESTABLISHED ON | 26.April 1963 | To B of A |
| | Concrete post | cast in place | TO B VI-Bon |

| | Contract Contract | · * | | | | |
|----------------|-------------------|-------------------------------------|---------------------------------------|--|--|--|
| B M Æ | DESOR | IPTIONS | SKETCH | | | |
| , | BLEVATION | 458.8897 | TO B.M.T. | | | |
| 80, r. w. 20.5 | | | And Rout Nationale 621 | | | |
| , | | | + + + + · · · | | | |
| ٠, | ELEVATION - | 459.345 | Surveyed dam Surveyed dam center line | | | |
| к. вж. 1 | LOCATION | Krong Buk Dam site (B.Krong Buk) | B center line | | | |
| N.K.K. | ESTABLISHED ON | 27. April 19,63 | Ea Kung | | | |
| ~ | Concrete Post (| cast in Place | | | | |
| | ELEVATION | 4644.7367 | TO.B.M.T. | | | |
| 4.210 | | | Rout Nationale #21 | | | |
| во, тм. | | - | Ha Kua | | | |
| | ELEVATION | 482.268 | THUAN HIEN VILLAGE | | | |
| M. 102 | LOGATION | Thuan Hien | Rubber Plantation | | | |
| J.B.M. | ESTABLISHED ON | 28. APril 1963 | * | | | |
| | Concrete Post | cast in Place | To.B.Knia (To Rout Nationals/621) | | | |
| · | | | · · · · · · · · · · · · · · · · · · · | | | |

| B M Ka | DESCRIPTION SKEOH. | | | | | | | | |
|------------|-----------------------------|------------------------------------|---------------|-----------|---------------|---|------|---------------|--|
| | BLEVATION | 442.791 | ۰ | | 9. | o | | ê. , | |
| J.B.M. 106 | LOCATION | Be Situated in the Scattered trees | o To B. V | e —Bop | · • | | rs I | o. Dia Die | |
| ئ. ئ. | ESTABLISHED ON | 26.APril 1963 | | | * | • | | . | |
| | Concrete Post o | est in Place | | 4 | 0 | | 9. | | |
| | ELEVATION | 442.834 | | 4 | <u>-</u> | | æ | | |
| 107 | LOCATION | B, Vu-Bon | *** | | BON VILI | | | | |
| л.в.м. | ESTABLISHED ON | 25.April 1963 | - ** <u>*</u> | | | * | To | Dia Dia | |
| | Concrete Post cast in Place | | | -Air | <i>~</i> □ | | -a>- | <u>*</u> ك | |
| - | | | | | | | | | |
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- - - Y.y

6

| B. M. No. | DESCR | IPTIONS | SKETCH |
|--------------|------------------|----------------------|---|
| • | ELEVATION | 513.173 | 2 Sigitu |
| - | LOCATION | | |
| ů. | ESTABLISHED ON | 23 - December - 1963 | |
| | CARVED ELEVATION | | To B M.T. Caffee Plantation |
| | ELEVATION | 533. 242 | To Plein |
| હ | LOCATION | | |
| ٦ | ESTABLISHED ON | 23-December - 1963 | |
| | CARVED ELEVATION | | Notional route No. 14 |
| | ELEVATION | 553.753 | L Village |
| ю | LOCATION | i : | |
| Ð. | ESTABLISHED ON | 24 - December - 1963 | *************************************** |
| | CARVED ELEVATION | 1 | 100 - |
| | ELEVATION | 580 159 | 4 ===================================== |
| 4 | LOCATION | | To To |
| O. | ESTABLISHED ON | 24 - December - 1964 | TO B M T |
| | CARVED ELEVATION | | National route No. 14 |

| B. M. No. | DESCR | IPTIONS | SKETCH | | | |
|--------------|------------------|----------------------|---|--|--|--|
| | ELEVATION | 607,745 | To Plaku | | | |
| ស 1 | LOCATION | | National route No.14 | | | |
| Œ | ESTABLISHED ON | 24 - December - 1963 | O B.M.T. | | | |
| | CARVED ELEVATION | | 10 D | | | |
| | ELEVATION | 657.277 | 4. | | | |
| y | LOCATION | | National route No. 14 To BMT. To Pleiku | | | |
| ٦ | ESTABLISHED ON | 24 - December - 1963 | TO FIGURE | | | |
| | CARVÉD ELEVATION | | | | | |
| | ELEVATION | 665.398 | , 70 Plaku | | | |
| - ۲ | LOCATION | | | | | |
| ٥ | ESTABLISHED ON | 27-December - 1963 | | | | |
| | CARVED ELEVATION | | National route No. 14 | | | |
| | ELEVATION | 664 665 | 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | |
| 89 1 | LOCATION | ; | TO B.M.T | | | |
| ف | ESTABLISHED ON | 27-December-1963 | National route No Id | | | |
| | CARVED ELEVATION | | National route No. | | | |
| | | | | | | |

| B. M. No. | DESCR | IPTIONS | SKETCH |
|----------------|------------------|----------------------|---|
| | ELEVATION · | 661. 201 | 1 10/7 . |
| 6 | LOCATION | | National route No.14 |
| - С | ESTABLISHED ON | 30-December-1963 | , |
| | CARVED ELEVATION | | TO B.M.T |
| | ELEVATION | 714.492 | 1 /2/4 |
| . 01 – | LOCATION | | National route No.14 |
| <u>.</u> | ESTABLISHED ON | 30 - December - 1963 | |
| ! | CARVED ELEVATION | | |
| | | | ٤ |
| | ELEVATION | 609.874 | |
| II - | LOCATION | ı | Xa Hiang Village National route No 14 |
| ď | ESTABLISHED ON | 5-January - 1964 | Ea Hlang |
| | CARVED ELEVATION | | 2 L M B L L L L L L L L L L L L L L L L L |
| | ELEVATION | 605 868 | 1 1 |
| P - 12 | LOCATION | | 7 - Ea Jung |
| ٩ | ESTABLISHED ON | 5-January — 1964 | |
| | CARVED ELEVATION | | , |
| | | | \ ' |

SKETCH OF BENCH MARK

| B, M, No. | DESCRI | PTIONS | SKETCH |
|--------------|-------------------------------|---------------------------------------|---|
| | ELEVATION | 646.363 ⁵ | |
| <u>- 1</u> | LOCATION On the wooden bridge | | |
| o_ | ESTABLISHED ON | | |
| | CARVED ELEVATION | 1111 | Kr. Buk |
| | ELEVATION | 588.515 <u>5</u> | y O A |
| 41 - | LOCATION | | 0 m |
| ۵. | ESTABLISHED ON | 25 Jan 1964 | 1 1 |
| | CARVED ELEVATION | | 0 0 0 |
| | ELEVATION | | |
| | LOCATION | | |
| | ESTABLISHED ON | | |
| | CARVED ELEVATION | | - |
| | ELEVATION | | |
| | LOCATION | | |
| | ESTABLISHED ON | | - |
| | CARVED ELEVATION | | - - - |
| | | · · · · · · · · · · · · · · · · · · · | N.K. Form No. 2625 |

| ВМ | DIF | regenor. | V. ETERNATURE | AT I O.N. | . THE THILL OF TAX | 70 70 14 4 70 70 |
|---|-----------|----------------|---------------|-----------|--------------------|------------------|
| AS. | E TO THE | "" 1,2 " "; ; | 1122 | MEAN | MLEVATION | REMARKS. |
| T.W: 000 | | 14 | | 37 | | |
| 1M 205 | | | | | 4588897 | |
| TP. | - 0,50). | - 0.491 | 0.0-10 | - 0.496 | | • |
| NECENT | - 0.038 | - 0.039 | 0.001 | - 0.039 | `459.345 | |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | | |
| LM 210 | | | | | 4647367 | |
| D`2 | + 29,359 | + 29.352 | 0.007 | + 29.355 | 494.092 | |
| , , , – 3 | + 0.372 | + 0.380 | 0.008 | + 0.376 | 494468 | |
| 2-4 | - 6.529 | - 6.533 | 0.004 | - 6.531 | 487.937 | |
| √ − 5 | - 7.073 | - 7.079 | 0.006 | - 7.076 | 480861 | |
| D - 6. | + 1.441 | + 1,4 4-3 | 0.002 | + 1.442 | 482.303 | |
| JBM 1 0 2 | _ 0.035 | <u>-</u> 0.035 | 0.000 | - 0.035 | 48-2.268 | |
| <i>'.</i> | * ~ * | | | | | , |
| D — 6 | *** | | | | 482303 | |
| → - 7 | - 14.652 | - 14.652 | 0.000 | - 14.652 | 467.651 | |
| » — 8 | - 2905 | - 2,913 | 0.008 | - 2909 | 464742 | |
| D - 9 | - 10640 | - 10.642 | 0.002 | - 10.641 | 454.101 | |
| JBM 103 | - 0.265 | - 0.265 | 0.000 | - 0.265 | 453836 | |
| | , | | | | | |
| LM 200 | | | | | 4743622 | |
| A — 1 | + 12.81.0 | + 12.811 | 0.001 | + 12.810 | 487.172 | |
| → - 2 | + 12.215 | + 12221 | 0.006 | + 12.218 | | |
| → - 3 | - 20.265 | - 20.216 | 0.004 | - 20263 | 479127 | |
| * - 4 | - 13.656 | - 13646 | 0.001 | - 13.651 | 465.476 | |
| . / – 5 | - 4.256 | - 4.249 | 0.007 | - 4.253 | 461.223 | |
| o - 6 | - 0.830 | | 0.011 | - 0.836 | 460.387 | |
| <i>></i> 7 | - 3.109 | - 3.138 | 0.029 | - 3124 | 457.263 | |
| | | + 0.833 | 0.028 | + 0.847 | 458110 | |
| 0-9 | - 4.127 | | 0.023 | - 4.139 | 453971 | |
| ⊘ −10 | + 0.351 | + 0.337 | 0.014 | + 0.344 | 454.315 | |
| ≠ -12 | + 1.384 | + 1.391 | 0.007 | + 1.388 | 4 5 5.7 0 3 | |
| ≠ -13 | - 3.848 | - 3.85,1 | | | | |
| | | | 0.003 | - 3.850 | 451.853 | |
| A-14 | - 3.392 | - 3.338 | 0.009 | - 3,334 | 448.519 | |
| JBM 105 | - 0.701 | - 0.701 | 0.000 | - 0.701 | 447818 | |

| B. M. | . 1 | DIFFERENCE OF | F ELEVATION | ON | • | |
|---------|----------|---------------|-------------|---------|-----------|---------|
| No. | 1 | 2 | 1 - 2 | MEAN | ELEVATION | REMARKS |
| A 14 | | | | | 448,519 | |
| No. 27 | + 5.638 | + 5.642 | 0.004 | + 5.640 | 454-159 | |
| J₩ 104 | - 2.557 | - 2.557 | 0,000 | - 2,557 | 451.602 | |
| | | | | | | |
| A - 14 | | | | | 448.519 | |
| " - 15 | + 1.018 | + 1.001 | 0.007 | + 1.010 | 449,529 | |
| " - 16 | - 5.366 | - 3.380 | C.014 | - 5-373 | 446.156 | |
| " - 17 | - 2.292 | - 2.294 | 0.002 | - 2.293 | 443.863 | |
| " - 18 | ţ | + 1.436 | 0.005 | + 1.439 | 445.302 | |
| A - 19 | - 2,581 | - 2.586 | 0,005 | - 2.583 | 442.719 | |
| JBM 106 | + 0.072 | + 0.071 | 0.001 | + 0.072 | 442.791 | |
| | | | | | | |
| A - 19 | | | | | 442.719 | |
| " - 20 | + 0.011 | + 0.004 | 0.007 | + 0.008 | 442.727 | |
| " - 21 | 1.075 | - 1.065 | 0.001 | - 1.070 | 441.657 | |
| " - 22 | 1.065 | - 1.599 | 0.006 | - 1.602 | 440.055 | |
| A - 23 | + 2.284 | + 2.290 | 0.006 | + 2.288 | 442.343 | |
| JBM 107 | + 0.491 | + 0.491 | 0.000 | + 0.491 | 442.834 | |
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| Т. Р. | DICTANCE | DIFFERE | ENCE OF EL | EVATION | ADJUST | ADJUSTED | ELEVATION | REMARKS |
|----------------|--|---------|------------|----------------------|-------------|------------|-------------------------------|---------|
| No. | DISTANCE | 1 | 2 | MEAN | ADJ | DIFFERENCE | ELEVATION | REMARNS |
| KU-115 | | | | | | 1 | 504.317 | |
| Tem.B. | 1. | + 0.461 | + 0.460 | + 0.460 ⁵ | | | 504.377 <u>5</u> | |
| 1 | | + 2.558 | + 2.552 | + 2.555 | | | 507. 332 ⁵ | |
| 2 | | + 5.839 | + 5.840 | + 5.839 ⁵ | | | 513.172 | P ~ 1 |
| 3 | | + 7.790 | + 7.792 | + 7.791 | | | 520.963 | |
| _ 4 | | + 9.400 | + 9.400 | + 9.400 | | | 530.363 | |
| 5 | | - 1.914 | - 1.910 | - 1,912 | _ "' | | 528, 451 | |
| 6 | | + 5.254 | + 5.251 | + 5.252 | | | 533.703 ⁵ | |
| 7 | | + 1.537 | + 1.537 | + 1.537 | | | 535•240 ⁵ | P - 2 |
| 8 | | +11.005 | +11.013 | +11.009 | | <u> </u> | 546 . 249 ² | |
| 9 | | + 9.743 | + 9.743 | + 9.743 | | | 555.992 ⁵ | |
| 10 | | - 2.422 | - 2.420 | - 2.421 | | | 553.571 ⁵ | P - 3 |
| 11 | | +12,474 | +12,468 | +12.471 | | | 566.042 5 | |
| 12 | | + 8.146 | + 8.144 | + 8.145 | | | 574.187 ² | |
| 13 | | + 6.514 | + 6.515 | + 6.5142 | | | 580.702 | |
| 14 | | - 0.543 | - 0.547 | - 0.545 | | | 580.157 | P - 4 |
| 15 | | + 0.746 | + 0.741 | + 0.7435 | | | 580.900 ⁵ | |
| 16 | | + 6.400 | + 6.403 | + 6.4012 | | | 587.302 | |
| 17 | | +12.323 | +12.317 | +12.320 | | | 599.622 | |
| 18 | | - 3.940 | - 3.939 | - 3.939 ⁵ | | | 595.682 ⁵ | |
| 19 | | + 1.441 | + 1.436 | + 1.4385 | | | 597.121 | |
| 20 | | + 4.743 | + 4.731 | + 4.737 | | | 601.858 | |
| 21 | | + 5.887 | + 5,882 | + 5.884 ⁵ | | | 607.742 <u>5</u> | F - 5 |
| 22 | | 8.099 | + 8.099 | + 8.099 | | | 615.8415 | |
| 23 | | -24.645 | +24.629 | +24.637 | | | 640.478 ⁵ | - |
| 24 | | 17.797 | +17.809 | +17.803 | | | 658.281 ⁵ | |
| 25 | | 1.009 | , - 1.005 | - 1.007 | | | 657.274 ⁵ | P - 6 |
| 26 | | 11.924 | +11.942 | +11.933 | | | 669.207 ⁵ | t ·· · |
| 27 | | 3.811 | - 3,813 | - 3.812 | | | <u> </u> | P - 7 |
| 28 | | 9.259 | + 9.262 | + 9.2605 | | <u> </u> | 674.656 | |
| 29 | | 9.994 | - 9.993 | - 9.993 ⁵ | <u> </u> | | 664.662 ⁵ | P = 8 |
| 3 0 | | 1.113 | + 1.106 | + 1.1095 | | | 665,772 | |
| 31 | ······································ | 4,568 | - 4.580 | - 4.574 | | | 661.198 | P - 9 |
| 32 | | 4.011 | + 4.007 | + 4.009 | | | 665, 207 | |
| 33 | | 26.656 | +26,673 | +26.664 ⁵ | | | 691.8715 | |

| Т. Р. | DICTANCE | DIFFER | ENCE OF EL | EVATION. | ADJUST | ADJUSTED | ELEVATION | REMARKS |
|----------|----------|---------|---------------------------------------|----------------------|--|------------|-----------------------|------------------|
| No. | DISTANCE | 1 | 2 | MEAN | ADJ | DIFFERENCE | | REMARKS |
| _ 33 _ | | | | | | | 691,871 ⁵ | |
| 34 | | +30.108 | +30.095 | +30.1015 | | | 721.973 | |
| _ 35 | | +44.906 | +44.921 | +44.913 ⁵ | | _ = | 766.886 ⁵ | , |
| 36 | | - 7.853 | - 7.875 | - 7.864 | | | 759.022 | |
| 37 | | 44.547 | -44.523 | -44.535 | | | 714.487 ⁵ | P - 10 |
| 38 | | -30.593 | | -30.601 | | | 683.886 ⁵ | |
| 39 | | -34.256 | -34, 272 | -34, 264 | <u>. </u> | | 649.622 <u>5</u> | - - |
| 40 | . =- | -15.203 | -15.209_ | -15.206 | | | 634.41.6 ⁵ | ~ _ - |
| 41 | _ | -24.539 | -24.554 | -24.546 ² | | | 609.870 | P - 11 |
| 42 | | +14.158 | +14.156 | +14.157 | | | 624.027 | |
| 43 | | + 7.973 | + 7.975 | + 7.974 | | _ | 632.001 | |
| 44 | | 6.071 | - 6.065 | - 6.068 | | <u></u> | 625,933 | |
| 45 | | -20.069 | -20.069 | i – | | | 605.864 | P - 12 |
| 46 | | +34.314 | +34.319 | +34.3162 | | | 640.180 ² | |
| 47 | | + 9.253 | + 9.262 | + 9.257 | | | 649.438 | |
| 48 | | +21.602 | +21.600 | +21.601 | | | 671.039 | |
| 49 | | +10.712 | +10.719 | +10.715 ⁵ | | | 681.754 ⁵ | i |
| 50 | | 15.909 | +15,916 | +15.912 ² | | | 697.667 | |
| 51 | | 28.185 | +28,192 | +28,188 ⁵ | | | 725.855 ² | |
| 52 | | - 5.114 | - 5.115 | | | | 720.741 | |
| 53 | | 7.071 | - 7.070 | - 7.070 ⁵ | | | 713.670 ⁵ | |
| 55 | _ | 3.500 | - 3.490 | - 3.495 | | | 710.175 ⁵ | |
| 56 | | 6.380 | + 6.361 | + 6.380 ⁵ | | | 716.556 | |
| 57 | | 22,202 | +22,208 | | | _ | 738.761 ₅ | |
| 58 | | 23, 518 | +23.519 | +23.518 ² | | | 762.279 ² | |
| 59 | | 14.502 | +14.504 | +14.503_ | | | 776.782 ⁵ | |
| 60 | - | 15.238 | +15.235 | +15.236 ⁵ | | _ | 792.019 | - |
| - | | | | 1 | | | | |
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| Т. Р. | DIOTANON | DIFFERE | NCE OF E | ELEVATION | ust | ADJUSTED | | |
|-------------|--------------|----------------|----------------|------------------------|--------------|--------------|-------------------------------|----------------|
| No. | DISTANCE | 1 | 2 | MEAN | ADJUST | DIFFERENCE | ELEVATION | REMARKS |
| 50 | | | / • | 4 |] | | 697.667 | |
| 50-1 | | -6. 358 | -6.351 | -6.354 ⁵ | | | 691.213 ⁵ | |
| 2 | | -32.255 | -32.260 | -32, 257 ⁵ | | | 658.956 | |
| 3 | | -12.594 | -12.591 | -12,592 ⁵ | . | | 646, 3635 | P - 13. |
| | | +21.689 | 21.67 | +21.688 | | | 668.051 ⁵ | |
| -5 | | +19.671 | +19.672 | +19.671 ⁵ | . . | | 687.723 | |
| -6 | | +_5.543 | +5.547 | + 5.545 | | | 693, 268 | - |
| 7 | | +16.404 | +16.406 | +16,405 | | | 709.673 | - |
| ~ _8 | | +22,009 | ±22.005 | +22,007_ | ļ | | 731.680 | - |
| 9 | | + 8,153 | + 8,148 | + 8,151 ² | | | 739.8315 | - |
| -1 <u>0</u> | | + 1.709 | + 1.717 | + 1.713 | | - | 741.5445 | |
| -11 | | <u>- 7.396</u> | <u>- 7.389</u> | $-7.392^{\frac{5}{2}}$ | <u> </u> | | 734,152 | |
| -12 | | - 3.330_ | | 3.329 5 | | | 730.822 | |
| -13 | | - 6.662 | - 6.669 | - 6.695 ² | | | 724.127 | |
| -14 | , | - 0.322 | - 0.323 | - 0.322 <u>5</u> | <u> </u> | | 723.8045 | |
| -15 | | - 9.981 | 9.976 | | 1 | _ | 713.826 | |
| -16 | | - 1.641 | 1.644 | + 1.642 ² | | | 712.183 ⁵ | |
| -17 | | -22.434 | -22, 424 | -22.429 | | | 689 . 754 ⁵ | |
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| T. P. | DISTANCE | DIFFERE | NCE OF EL | EVATION | ADJUST | ADJUSTED | ELEVATION | REMARKS |
|-----------------|----------------|-------------|-------------|-----------------------|---------------|--------------|-------------------------------|---------------|
| No. | DISTANCE | 1 | 2 | MEAN | fav | DIFFERENCE | LECTRION | KEMAKIIS |
| 36 | | | | | | | 759.022 | |
| 36-1 | | l . | -40.948 | | - | | 718.072 | |
| -2 | : - | -63, 418 | -63.411 | 63, 41.4 ² | · | | 654, 658 | |
| -3 -4 | | + 6.026 | + 6.029 | + 6.027 ⁵ | · • - | | 660.685 ⁵ | |
| -4 | | | -24.784 | | | | 635 . 903 ⁵ | |
| - 5 | | +37.930 | -37.934 | -37.932 | | | 673.835 | |
| 6 | · | -42.198 | -42.198 | -42.198 | — – – | | 631.6375 | |
| -5 -6 -7 | | -10.048 | -10.047 | -10.047 ⁵ | | | 621.590 | |
| -8 | | | | -16.558 ⁵ | | | 605.029 ⁵ | |
| -8 -9 | | | -16.517 | | | | 588.513 ⁵ | |
| -10 | | | -25.805 | -25.810 | | | 562.703 | |
| -11 | | î . | +18.864 | · | - | | 581.567 ² | P - 14 |
| -12 | | -28,276 | -28.275 | -28.275 ² | - | | 553.292 | |
| -13 | | -17.346 | -17.351 | -17.348 ⁵ | | • | 535 . 943 ⁵ | |
| -14 | | - 9.908 | - 9.903 | - 9.905 ² | | | 526.038 | |
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RESULTS OF LEVELING (PRICKING)

COURSE A

| T. P. | DIFFE | RENCE OF | ELEV | ATION | JUST | | ELEVATION | REMARKS |
|------------|------------|------------|---------|------------|------------|--------------|--------------|---------|
| М | 1 | 2 | 1-2 | MEAN | ADJ | DIFFERENCE | | |
| IM. 200 | | | | | | | 474.362 | |
| A- 1 | +1 2.8 1 0 | +1 2.8 1 1 | 0.001 | +1 2.810 | | | 487.172 | • |
| A- 2 | +1 2.2 1 5 | +1 2.2 2 1 | 0.000 | +1 2.2 1 8 | | | 499390 | |
| A- 3 | -20265 | - 0.261 | 0.004 | -20.263 | | | 479127 | |
| A- 4 | -1 3656 | - 3.646 | 0.0 1 0 | -13651 | | | 465.476 | |
| A- 5 | - 4.256 | - 4.2 4 9 | 0007 | - 4.253 | | | 461223 | |
| A- 6 | - 0.830 | - 0.841 | 0.011 | - 0.836 | | | 460387 | |
| A- 7 | - 3109 | - 3.138 | 0.0 2 9 | - 3.1 2 4 | | <u> </u> | 457.263 | |
| A- 8 | + 0.861 | + 0.833 | 0.0 2 8 | + 0.847 | | | 458110 | |
| A- 9 | - 4.1 2 7 | - 4.150 | 0.023 | - 4.1 3 9 | 1 | | 453,971 | |
| A-10 | + Q351 | + 0.337 | 0.0 1 4 | + 0.344 | | | 4 5 4.3 1 5 | |
| A-12 | + 1.384 | + 1391 | 0.007 | + 1.388 | | | 455.703 | |
| A-13 | - 3.848 | - 3.851 | 0.0 0 3 | - 3.850 | | , | 45 1853 | |
| A-14 | - 3,329 | - 3.538 | 0.0 0 9 | - 3.334 | | ; | 448519 | |
| A-15 | + 1.018 | + 1.001 | 0.0 1 7 | + 1010 | | | 449.529 | |
| A-16 | - 3.366 | - 3.3 8 0 | 0.0 1 4 | - 5.3 7 3 | | | 446156 | |
| A-17 | - 2.292 | - 2.2 9 4 | 0.002 | - 2.293 | | 1 | 443.863 | |
| A-18 | + 1.441 | + 1436 | 0.005 | + 1.439 | | 1 | 4 4 5, 3 0 2 | |
| A-19 | - 2.581 | - 2.586 | 0.005 | - 2.583 | | I I | 4 4 2.7 1 9 | |
| A-20 | + 0.01 | + 0.004 | 0.007 | + 0.008 | | 1 | 442.727 | |
| A-21 | - 1075 | - 1.065 | 0.0 1 0 | - 1.070 | | | 441657 | |
| A-22 | - 1605 | - 1599 | 0.0 0 6 | - 1605 |) | | 440055 | |
| A-23 | + 2.284 | + 2.290 | 0.006 | + 2.284 | ; | 1 | 4 4 2.3 4 3 | |
| A-24 | + 10.8 | + 1094 | 0.0 1 0 | + 1.094 | ı | I | 443442 | |
| A-25 | - 4.901 | - 4.902 | 0.0 0 1 | - 4.901 | | | 438540 | |
| A-26 | + 1151 | + 1.134 | 0.017 | + 1141 | | | 4 3 9. 6 8 3 | |
| A-27 | - 1840 | - 1.8 3 B | 0.0 0 2 | - 1830 | ; | | 437,844 | |
| A-28 | - 0.523 | - 0.5 2 1 | 0.0 0 2 | - 0.523 | | , | 437.322 | |
| A-29 | + 0.895 | + 0.894 | 0.001 | + 0.895 | <u> </u> | 1 | 438,217 | |
| A-31 | - 0.066 | - 0.066 | 0.0 0 0 | - 0.066 | | | 438,151 | |
| A-32 | - 2.580 | - 2.576 | 0.0 0 4 | - 2.5 7 0 | | | 435,573 | |
| | | | | | 1 | | 1 | |

| T.P. | DIFFE | RENCE OF | ELE | VATION | JUST | ADJUSTED DIFFERENCE | elevation | REMARKS |
|-------|-------------|-------------|-------|-------------|------|------------------------|-------------|---------|
| T/L | 1 | 2 | 1-2 | MEAN | fqv | DIRECTOR | | |
| A 32 | | | | | | | 4 3 5,5 7 3 | , |
| A33 | + 1990 | + 1999 | 0.009 | + 1995 | · | | 437,568 | |
| D15 | + 4.451 | + 4.464 | 0.013 | + 4.458 | | | 4 4 2.0 2 6 | |
| | | | | | | | | |
| | +41946 | +41909 | | +41842 | | | | |
| | -74.249 | -74.301 | | - 7 4.5 7 8 | 1 | | | |
| | - 3 2 3 0 3 | - 3 2.3 9 2 | 0.089 | -32.336 | | | | |
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| Ţ.P. | DIFFER | DIFFERENCE OF ELEVATION | | | | ADJUSTED | ELEVATION | REMARKS |
|-----------|-------------|-------------------------|---------|-------------|---------|---------------|-------------|---------------|
| - Na | 1 | 2 | 1 - 2 | MEAN | ADJ UST | DIFFERENCE | | 10011011 2010 |
| LM 205 | | <u></u> | | | | | 458890 | |
| 01 | +1 1.2 1 0 | 11203 | 0.007 | +11207 | 0.003 | +11204 | 470.094 | |
| B1 | - 0.266 | | | - 0.266 | 4 | - 0.270 | 469.824 | |
| B'2 | - 3.8 6 2 | 3.8 5 0 | 0.012 | - 3.856 | 3 | - 3.859 | 465.965 | |
| B3 | - 2.8.77 | 2.8 6 7 | 0.0 1 0 | - 2.8 7 2 | 4 | - 2.876 | 463089 | • |
| В4 | + 1107 | 1091 | 0.016 | + 1099 | , 3 | + 1096 | 464.185 | |
| B 5 | - 6598 | 6.593 | 0.005 | - 6595 | 4 | - 4599 | 457.586 | |
| Вб | - 6.725 | 6.7 1 5 | 0.010 | - 6720 | 3 | - 6723 | 450863 | |
| B7 | - 1930 | 1935 | 0.005 | - 1933 | 4 | - 1937 | 448926 | |
| B8 | - 5.5.5 3 8 | 5.5 4 0 | 0.0 0 2 | - 5.539 | 3 | - 5.5 4 2 | 443,384 | |
| В9 | - 4.2 6 4 | 4.272 | 0.008 | - 4.268 | 4 | - 4.272 | 439112 | |
| T.P. | - 1545 | | | - 1543 | 3 | □ 1546 | 437,566 | |
| B 10 | + 1636 | | | + 1636 | 4 | + 1.632 | 439198 | |
| B11 | + 4.599 | | | + 4.599 | 3 | + 4.596 | 443794 | |
| B 12 | - 0.439 | | | ~ 0.439 | 4 | - 0.443 | 443351 | - |
| B 13 | + 4.089 | | | + 4.089 | 3 | + 4.086 | 447,437 | |
| B 14 | - 0.002 | | | - 0.002 | 4 | - 0.0 0 6 | 447431 | |
| B15 | - 0.258 | | | - 0.258 | 3 | - 0.261 | 447170 | |
| B16 | + 2.725 | | | + 2.7 2 5 | . 4 | + 2.721 | 449891 | |
| A 17 | - 3.732 | | | - 3.732 | 3 | - 3.735 | 446156 | |
| | • | | | | | | | |
| | | | | +25.355 | | ! ! | 446,156 | |
| | | | | - 3 8.0 2 3 | | | 458890 | LM 205 |
| | | | | -12668 | 0.0 6 6 | | - 1 2.7 3 4 | |
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| T, P. | DIFFE | RENOE OF | ELE | ATION | TSUL | ADJUSTED | elevati on | REMARKS |
|--------------|-------------|----------|-------|------------------------|---------------|-------------|-------------|---------|
| <i>71</i> 0. | 1 | 2 | 1 ~ 2 | MEAN | фDJ | DIFFERENCE | | |
| 01 | | | | | | | 470094 | |
| 02 | +26022 | | | | 0.005 | +24017 | 496111 | |
| Оз | + 0.697 | | | | 5 | + 0.692 | 496803 | |
| 04 | -34.626 | | | | 4 | -34.630 | 462.173 | |
| 0 5 | + 9.510 | | | | 5 | + 9.505 | 471678 | |
| 06 | +20913 | | | | 5 | +20.908 | 492586 | |
| C 7 | - 2 2.6 5 0 | | | | 5 | - 2 2.6 5 5 | 469931 | |
| 8 0 | + 3.026 | | | | 5 | + 3021 | 472952 | : |
| O 9 | + 4.988 | | | | 4 | + 4.984 | 477.936 | |
| 010 | +26646 | | | | 5 | +26641 | 504.577 | |
| 011 | + 8.718 | | | | 5 | + 8.713 | 513.290 | |
| 012 | -28.275 | | | | 5 | ~ 28.280 | 485.010 | |
| 013 | +17.345 | | | | 5 | +17340 | 502.350 | |
| 014 | - 8.0 1 7 | | | | 4 | - 8.021 | 494.329 | |
| 015 | +25.478 | | | <u>[</u> | 5 | +25.473 | 519802 | |
| 016 | -26804 | | | | 5 | -26809 | 492.993 | |
| O 1 7 | +19106 | | | <u></u> | 5 | +19.101 | 5 1 2.0 9 4 | |
| 018 | -16429 | | | | 5 | -16434 | 495.660 | |
| 019 | +33012 | | | <u> </u> | 4 | +33.008 | 5 2 8.6 6 8 | |
| C 2 0 | -36833 | | | ! | 5 | -36.838 | 491830 | |
| | | | | + 195.461 | | <u> </u> | 491830 | |
| | | | | - 173.634 | | | 470094 | 1 |
| | | | | + 21827 | i | • | +21736 | 1 |
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| T. P. | DIFFER | ENCE OF | ELEV | ATION | JUST | ADJUSTED | ELEVATION | REMARKS |
|-----------|-----------|---------|--------------|----------------|--------|-------------|-------------|---------|
| Na | 1 | 2 | 1 ~ 2 | MEAN | ADJ | DIFFERENCE | i. | |
| LM 207 | | | | | | | 449.202 | |
| 0-26 | + 6195 | | ' | | 0.003 | + 6192 | 4 5 5.3 9 4 | |
| 0-27 | + 1.539 | | : | | 1 | + 1536 | 456930 | j |
| 0-28 | + 9.723 | | | | * | + 9.720 | 466650 | |
| 0-29 | + 0.266 | | | | | + 0.263 | 466913 | |
| 0-30 | -0.0.960 | | | | | - 0.963 | 4 6 5.9 5 0 | |
| 0-31 | +15.095 | | | | , | +15.092 | 481042 | |
| 0-32 | +23.625 | | | i | , | +23.622 | 504.664 | |
| 0-20 | -12.831 | | | | ,, | - 1 2.8 3 4 | 491830 | |
| O~21 | +28.666 | | | 1 | , | +28.663 | 520.493 | |
| 0-22 | +20169 | | | | , | +20.166 | 540.659 | |
| C-23 | + 7.833 | | | l | * | + 7.830 | 548489 | |
| 0-24 | - 4.2 4 1 | | | I | , | - 4.244 | 5 4 4.2 4 5 | |
| 0~25 | + 1933 | | | - - | , | + 1930 | 546175 | |
| LM 212 | - 2.0 6 6 | | - - | ł - - | Ħ | - 2069 | 5 4 4.1 0 6 | |
| | | | | +115.044 | | ! | 5 4 4.1 0 6 | |
| | | | | - 20094 | | | 449.202 | |
| | | | ł | + 1 9.9 4 6 | 0.042 | | +94.904 | |
| | | | ı | 3 √ S = | | | 1 7 4.7 0 4 | |
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| T. P. | DIFFER | ENCE OF | ELEV | ATION | JUST | ADJUSTED | ELEVATION | rema ŘKS |
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| М | 1 | 2 | 1 - 2 | MEAN | ADJ | DINBERRO | 1 | |
| 1.M 212 | · | | | | | | 544106 | |
| D1 | - 20.418 | i | | -20418 | 7 | -20411 | 523695 | |
| D2 | -29609 | | | -29609 | 6 | -29603 | 494,092 | |
| D3 | + 0.372 | 0.380 | 8000 | + 0.376 | 7 | + 0.383 | 494,475 | |
| D4 | - 6529 | 4533 | 0.004 | - 6531 | 7 | - 6524 | 487,951 | |
| D5 | ₩ 7.073 | 7.079 | 0.006 | - 7.076 | 7 | - 7.069 | 480,882 | |
| D6 | + 1441 | 1.443 | 0.0 0 2 | + 1.442 | 6 | + 1448 | 482330 | |
| D7 | -14.662 | 1 4.6 5 2 | 0.0 0 0 | -14.652 | 7 | -14.645 | 467,685 | |
| D8 | - 2.905 | 2.913 | 80 0.0 | - 2.909 | 7 | - 2.902 | 4 6 4,7 8 3 | |
| D9 | -10.640 | 10.642 | 0.0 0 2 | -10641 | 6 | -10.635 | 454,148 | |
| D10 | - 6.109 | | l | - 6109 | 7 | - 6102 | 448,046 | |
| D11 | - 2105 | | | - 2.1 0 5 | 7 | - 2098 | 445,948 | |
| D12 | - 3.542 | | | - 3.5 4 2 | 6 | - 3.536 | 442,412 | |
| D13 | + 1198 | ; | • | + 1198 | 7 | + 1.205 | 443617 | , |
| D14 | + 5.537 | | | + 5.537 | 7 | + 5.544 | 449161 | |
| D15 | - 7.142 | | | - 7.142 | 7 | - 7.135 | 4 4 2,0 2 6 | |
| | | ļ | | • | | | | |
| | | | | + 8.553 | | ~ | 4 4 2,0 2 6 | |
| | | | | -110.734 | | | 5 4 4,1 0 6 | LM 2 1 2 |
| | | | | -102.181 | 0.101 |) ! | - 10 2.0 8 0 | |
| | | | | 3/8 = | 3/16 | | | |
| <u> </u> | | ; ! | | = | 0.03× | 4 | | |
| | | | | = | 0.120 | 0.101 | Good | |
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| D4 | | | | | | | 487951 | |
| D 3 0 | - 6629 | - 6628 | 0.0 0 1 | - 6628 | | | 481323 | |
| D31 | - 9.441, | - 9.4.45 | 0.004 | - 9.443 | | | 47 1880 | |
| D 3 2 | + 3.708 | + 5.7.14 | 0.0 0 6 | + 3.711 | | | 4 7 5.5 9 1 | |
| | | | | | | | | ; |

| T. P. | DIFFE | RENCE O | FELE | VATION | ADJUST | ADJUSTED DIFFERENCE | elevati on | REMARKS |
|-------|-------------|-------------|---------|-------------|--------------|------------------------|----------------------|---------|
| | 1 | 2 | 1 - 2 | MEAM | AD. | | | |
| D 3 3 | -13213 | -13.212 | 0.001 | -13.212 | | | 462378 | |
| D34 | -10.096 | -10099 | 0.003 | -10.098 | | | 452.281 | |
| D35 | - 3.172 | - 3.173 | 0.002 | - 3.172 | | | 449109 | |
| | + 3.708 | + 3.714 | | - 3.7 1 1 | | | | |
| | - 4 2.5 5 0 | - 4 2.5 5 7 | | - 4 2.5 5 3 | | | | |
| | - 38.842 | - 3 8.0 4 3 | 0.001 | - 3 8.8 4 2 | | | | |
| | | | | | | | | |
| D15 | | | | · · | | | 4 4 2.0 2 6 | |
| D16 | - 8.2 1 3 | - 8.205 | 0.0 0 8 | - 8.209 | | | 433.817 | |
| D17 | + 1556 | + 1.557 | 0.001 | + 1556 | | | 4 3 5.3 7 3 | |
| D18 | - 3.547 | - 3.544 | 0.0 0 3 | - 3.5 4 6 | | | 431.827 | |
| D19 | + 3.591 | + 3.584 | 0.007 | + 3.588 | | | 4 3 5 .4 1 5 | |
| D 20 | + 0.449 | ÷ 0.448 | 0.001 | + 0,449 | | | 4 3 5.8 6 4 | |
| C2-A | ~ 2.406 | - 2.411 | 0005 | - 2408 | | | 433.456 | |
| | | | | | • • • | | | |
| | + 5.596 | + 5.589 | | + 5.593 | | | , | |
| ļ | -1 4.1 66 | -14.160 | | -14.163 | | | | |
| } | - 8.570 | - 8.571 | 0.0 0 1 | - 8.5 7 0 | <u> </u> | 1 | ! ! | |
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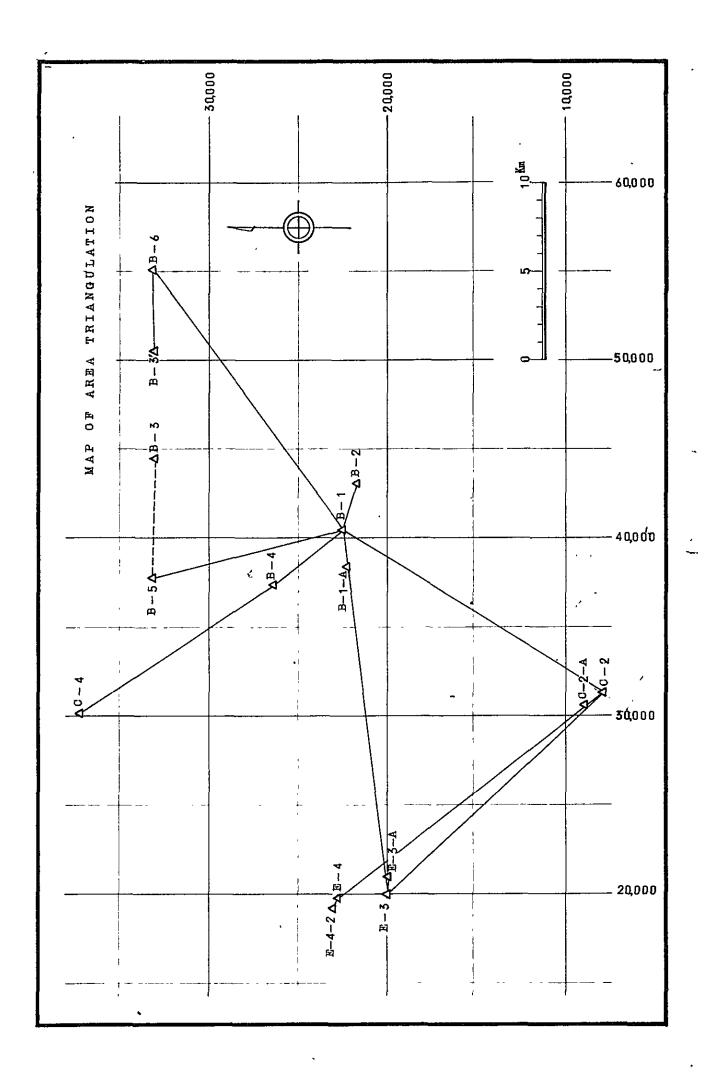
| T. P. | DIFFER | ENCE OF ELE | VATION | JUST | ADJUSTED | elevati on | REMARKS |
|-------|-------------|---------------|-------------|-------------------|------------|-------------|---------|
| М | 1 | 2 1-2 | MEAN | ADJ | DEFFERENCE | | |
| D9 | | | | | | 454.148 | |
| D9' | - 3.688 | - 3.684 0.004 | - 3.686 | | | 450462 | |
| D2 1 | + 7.663 | + 7.670 0.007 | + 7.666 | | | 468.128 | |
| D21 | -15.993 | -15.992 0.001 | -1 5.9 9 2 |] ! | | 462136 | |
| D2 2 | + 2.957 | + 2.957 0.000 | + 2.957 | | | 465.093 | |
| D28 | - 1450 | - 1452 0.002 | - 1451 | | | 463.642 | |
| D24 | + 6.571 | + 6563 0.008 | + 6577 | | | 470219 | |
| D 2 5 | -11271 | -1 1275 0.00 | -11273 | | | 4 5 8.9 4 6 | |
| D 2 6 | - 6532 | - 6542 0.000 | - 6.537 | | | 452.409 | |
| D27 | - 2645 | - 2.653 0.008 | - 2.649 | | | 449760 | |
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| | +27191 | +2 71 90 ; | +27200 | | | | |
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| | - 4.388 | - 4.408 0.026 | - 4388 | ! | | | |
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TAGET AND INSTRUMENT HEIGHT: HEIGHT BROW STONE (PEG) MARKER

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TARGET AND INSTRUMENT HEIGHT:HEIGHT FROM STONE(PEG)MARKER

B; GENTER OF ANGLE STATION O; GENTER OF STONE(PEG)MARKER P; GENTER OF TARGET

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TARGET AND INSTRUMENT HEIGHT:HEIGHT FROM STONE (PEG)MARKER
B; CENTER OF ANGLE STATION C; CENTER OF STONE (PEG)MARKER P; CENTER OF TARGET

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TARGET AND INSTRUMENT HEIGHT:HEIGHT FROM STONE(PEG)MARKER
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TARGET AND INSTRUMENT HEIGHT:HEIGHT FROM STONE(PEG)MARKER
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| Na/8-5-4 | 4 | No. B -5 - 5 | 193 45 8 | <u> </u> | 826 94 | | · | | <u> </u> | + 54 101 19 | + 39 880 97 | Ma B-5 |
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| No.8-5-6 | | Na.8-5-5 | 153 50 1 | - | 334 62 CB | | | | | + 34 015 38 | + 41 209 54 | B-84 |
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| | DIR | WN ECDION ANGLE | | (8 n) - | | | (Ox)gr(Or) | | | <u> </u> | | ļ |
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| <u>i</u> | <u> </u> | | <u> </u> | -UOLIM BALM | | | | TOOL BUND | | | <u>L</u> | <u> </u> |

COMPUTATION OF TRRERSING

| BTATION | - | DIRECTION | DE TREEST | | ELEMENT OF COMPUTATION | COORDINAT | E DIFFERENCE | | CORRE | CTIO | N . | C | ORRECTED | 0 0 0 B | A W TIO | TE | BTATION |
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| ANGLE | V | DIRECTION | | | CORRECTION O | (log) cos.an | (10g) sin . an | CORRECT | ON OF AX | CORRE | CTION OF Ay | | AXD | | Δyn | | ANGLE |
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| | | No. 8 - 5 - 7 | 268 32 34 | | | | | | м са | | # C# | | | | | | |
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| ANGL | _ ` | BIRECTION | DESCRICTION ANGLES | DIRECTION ANGLE | DIRECTION AND LE | | 10g Ziy | CORRECTED OF AXE | CORRECTED OF COM | x | * | AN |
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| L | | | <u> </u> | ······································ | | 701 | EANOR | AAAA TAAA TAAA | COORDINATE | | <u> </u> | <u> </u> |

| TOR | | DIRECTION | DESCRICT ANGL | CORRECTION | ELEMEST OF COMPUTATION | COORDINATE | DIPPHRESON A X -) | | CORRI | HOTTON | CORRECTED | ETARIOROOO | BTATION |
|---------|-------------------|-------------------------|-----------------|--------------------|--|--------------|----------------------|-------------|--|------------------|---|---|-------------|
| BTATION | | , | INOLUDED ANGL | INOLUDED ABGLE | SAIDE LEEGHT (Sn) | log Sn | logyan | | X fi | ATE | LAT.(X) | D 联节、(文) | 1 21 |
| ANGLE | X | DIRECTION | | | GORRECTION OF | (10g) 60s,an | (To8) will we | oo RÉROP | XATO HOL | CORRECTION OF AY | AZTI | Äyn _t | ANGLE |
| AM | | | mergyion ang l | DIRECTION ANGLE | DIRECTION AND E | log AI | log 🔄 | CORRECT | ED OF ARD | CORRECTED OF AND | x | Ž, | |
| | | MAGNETIC NORTH | B D D | | | | | | 10. CM |)35. CS | | • |] |
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| B - 4 | K) | | 138 48 50 | | 306 ^m 71 ^{cm} | | 42 | | | · | + 22 667 92 | + 19 798 35 | 抽車 - |
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| B-4-1 | \mathbb{K} | | 205 25 38 | 1 | 3 6 4 5 8 | | =, | | | ; - | + 22 726 78 | + 19 497 32 | No. 25-4 |
| | 1 | ME-4-2 | 304 27 28 | | 304 27 28 | 565795 | 824545 | | • | | | ; · | |
| | | | 180 0 0 | | | | | + | 206 28 | - 308 61 | + 204 28 | - 399 61 | |
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| | KMO | ve Ction angle | | (8x) - | | <u></u> | (AE)OFTAY | , | ······································ | 1 | | , | - · |
| | | CTIONANGLE BUR BRROR | <u></u> | | | | Dx Si Dy | | | | | | 7 |
| | 340 | AUNNA AV | <u> </u> | <u> </u> | | | CLOSURA ME | | | | | 1 | |
| | | | | | | | | <u> </u> | OLORIN | Q POINT | 1 | | - |
| | <u> </u> | AGURA ST | 1 | DIRECTION AND | <u> </u> | - TO | LERANOB | GOOD, NOT | _ | Nº POINT | | ; | |
| | | CCURACY | GOOGES CREATS | COGRDIFATE | | | LEAHOR | GOOD, NO | | COORDINATE : | | S | 一 |

Eleyation computation

| Elevation computation | | | | | |
|------------------------------------|---------------------------------------|-------------------|-------------------|------------------|----------|
| Unknown point (1) | N o B-1 | | N O C - 2 | | |
| Known point (2) | NoB-1-A | , | NoC-2-A | | |
| Method of survey | | ` | | | , . |
| Vertical angle θ | + 3 49 34 | - 5 42 18 | -5 25 52 | - 5 15 58 | 0 I E |
| Side length | 21.49 26 | 13 65 | 78. C78. | д. | 25 CEL |
| log tan & | D66878 | 064754 | 095076 | 092170 | |
| log 8 | | | | | |
| log h | · · · · · · · · · · · · · · · · · · · | - | | | |
| Difference of height h | 14 CFR + 143 74 | + 139 17 | n cm + 118 92 | # da + 115 29 | 25 (26 |
| and refraction k | + 0.52 | <u> </u> | + 011 | - 0 11 | |
| Instrument height i | + 1 38 | - 1 38 | + 1 58 | - 1 58 | |
| Target height f | → 6 83 | + 1.38 | - 5 43 | + 1 38 | |
| BL of known point H | + ,450 471 | + , | + ,433 44 | + , | + , |
| El of unknown H, | , 589 08 | , 589 32 | ,548 42 | , 548 62 | |
| Mean | , | • | , , | | |
| Correction value | | | | | |
| Determined value | ,589 20 | 771 CEE | 75 48 52 | * | 73. CEL. |
| Unknown point (1) | N o B - 6 | - مسرر ا | | | |
| Known point (2) | N o B - 31 | | | | |
| Method of survey | | 1 | 5 | | |
| Vertical angle & | + 1 4 8 | -1 3 34 | 0 1 | 0 1 1 | o 1 (|
| Side length | м съ 451254 | 24 C25 | 78 C18 | 12 C24 | 78 CE |
| log tan θ | 018657 | 018493 | _ | | |
| e gol | | | | | |
| log h | | | | | |
| Difference of neight h | + 84" 19" | + 85 45 | 38. C04 | 23. (23. | a; ca |
| Earth's curvature and refraction K | + 1 39 | + 1 59 | | | |
| Instrument beight i | + 1 58 | + 1 38 | | | |
| Target height f | 4 91 | + 1 38 | | | |
| Bl or known point H: | +,518 73 | + ,518 74 | + , | + , | + , |
| El of unknown poight H. | , | , | , | , | , |
| Mean | , | , | , , | , | , |
| Correction value | | | | | |
| Determined value | ,518 74 | 35. CM , | , , | 23), cf25. | , z. cs. |

Note $H_{S} = \pm S \tan \theta \pm K \mp (f - i) + H_1$

| | 16 | OWIŅY | A + A = | A+ 1-(A-) | A + R- A - R | (A+R) (A-R) | (U+V)/2 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | М | Drybulb (tc) | Wetbulb (.tc') | Grysal temp- erature |
|---|-----|-------|---------------------------|---------------------|-----------------------|-----------------------|-----------------|--|---------|-----------------|-------------------|----------------------------|
| | 1 | 2.0 | 5 8.5 4 2.0 | 1 6.5 | 4 2.5 | 5 0. (| | | I | 310 | 2 4.0 | |
| _ | 2 | 4.0 | 5 9. 5 4 3. 5 | 160 | 4 <u>3 5</u> 9 2 0 | 5 1. | | 6 6 9 | H | 3 0.5 | 2 4.0 | |
| | 3 | 6.0 | 5 9. 5 4 4. 0 | 1 5.5 | 4 4.5 9 3.5 | - 5 1. I | | • | MEAN | 3 0.8 | 2 4.0 | |
| D XI | 4 | 8.0 | <u>.60,0</u> 42.5 | 1 7.5 | 4 3.0 9 2.5 | 5 1. | | • | t c- tc | 6.8 | dp | SH & |
| READING | 5 | 1 0.0 | <u>600</u> 420 | 1 8.0 | 4 2 0 9 2 0 | - 5 Q.(| | 6 7. 0 | | | | |
| 田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田 | ઠ | 1 2.0 | 5 9. 0 4 2.5 | 1 6.5 | <u>4 2.5</u> 9 2.5 | 50. | 0 33.2 | 6 6 6 | BEGII | TI | VIEC 10 | 1 21 m |
| 田田 | 7 | 1 4.0 | 6 0.0 4 3.5 | 1 & 5 | 4 4.0 9 2.5 | - 5 1. | 5 3 4 0 | 6 7. 0 | II 1— | | A+ D | A+ A- |
| ACCURA | 8 | 1 60 | 6 D. 0 4 2. 5 | 1 7. 5 | <u>4 3.0</u> 9 2.5 | - 5 Q. | 5 3 4.0 | 67.0 | | 9.0 3.0 9 5 | .0 2 5.0 | 420 |
| 400 | 9 | 18.0 | 610 | 2 0.0 | 4 1. 0 9 2. 0 | 4 9. | 0 3 4.5 | 67.2 | II — - | 6.0 64 | ì | |
| | 10 | 2 0.0 | <u>· 5 9. 0</u> 4 1. 0 | 1 8, 0 | 4 0.5 9 2.0 | 4 8. | 5 3 3, 2 | 6 6, 6 | APPROX. | T, =0 6 | ma 3 5 8.5 | |
| | 11 | | <u>;</u> | | | - | | | ¥ | | | |
| | 12 | | | | | - | | | | ` | | |
| ļ | | | | ******** | | | MEAN = | 6 6 8 6 | Ц | G TIME | | T |
| , | омі | TTATT | ON OF DI | STANCE | (16 E - 3 | 5-A) | ~ (<i>K</i> .E | -3) | | At At | D D | A+ A- |
| | | | | • | | | | | F 5 | 9.0 3.0 9.5 | | |
| | | | 1 | a (E-3 | ~)- | - 2 4 | 0 10 | | X I | 6.0 6 4 | .U 3 4.t | 1 8.0 |
| | | | | н — э | -A | <u> </u> | | | PPRC | r, = 0 6 | 359.0 | 0 |
| | | | ď | į i | -1 | 16 | 0 2 | | A | | | |
| | | | | 0.2910 | <u> </u> | | 6 6 4m5 | | K | | (I | KI<5) |
| | | | - | 1291D(K) 1 (E - | • | 5 1 | | | r 1/107 | | | <2×10 1 F = 0) |
| | | | E | 1 (E-5 | -A) | 4 7 | 1 6 | | T | | m# e | - 0, |
| | | | | | | | | | △17 | 1 | 0. | |
| | | е | | n ' | | | D | | т | - 063 | 6 6.8 6 | |
| e | - | 2 2.2 | - 1 | 2 5 9 |) D (Km | n = | | 4.3 7 1.3 4 | | | | |
| A | - | 3.4 | <u>.</u> | 9 9 | , c | υ – C o s α – | 954 0.9989 | | | REM | ARKS | |
| В | - | 0.1 | m - | | D CC | sα dD _i | 952 | | Instr | ume n t | _ | t =158 |
| σ | - | 0 | n' 10 ³ - | 358 | 3 | dD, - | | 0.8 | | | | = 138 |
| e | - 7 | 1 8.7 | n`'= | 0.358 | 3 | s - | 952 | 291 | | | | |
| | | | | | | | | | | | | |

COMPUTATION OF TELLUROMETER

SURVEY STATION $\frac{6B-1-A}{6B-1}$ (REMORTR: %3. INSTRUMENT)

| | 4 | 1 | | (ALD) - | 4 | I I | F . | Drubulh | Wathuih | n rvs ta |
|-------------------|--|---|---|--|--|--------------------------|---|--|-----------------|-----------------|
| 6 PAVITY | A + A - | A+1~(A-) U | A+R A-R | (A-R) | (U+V)∕2 ₩ | $\frac{W}{2} + 50$ | M | (tc) | (tc') | temp eratur |
| 1 20 | 7 5.0 | 460 | 2 & 5 | 5 11 11 | 48.0 | 7 4 0 | I | 0 I 3 2.5 | 270 | |
| 2 | 7 5.5 | | 2 8.0 | | | , | H | | | |
| 3 | 7 6 5 | 4 /. 5 | 28.0 | | | | | | | · |
| 6.0 | 2 8. 0 7 & 0 | 4 8.5 | | 5 1.5 | 5 0, 0 | 7 5.0 | | | | H |
| 8.0 | 2 8. 0 | 2 8. 0 | 7 6.5 | 5 1.5 | 4 9. 8 | 7 4.9 | 10-10 | 5.8 | | |
| 5 10.0 | 2 8.5 | 47.0 | 7 & 5 | 5 1. 5 | 4 9. 2 | 7 4.6 | 22071 | | - 1 i | |
| 6 1 2.0 | 2 8.0 | 4 7. 5 | 7 6.0 | 5 2.0 | 4 9. 8 | 7 4.9 | | TIM | | |
| 7 1 4.0 | | 4 8.0 | 2 8. 5 | 5 2.0 | 5 0.0 | 7 5. 0 | A ENG ENG | | $-\frac{A+}{D}$ | $\frac{A+}{A-}$ |
| R | 7 6 5 | 485 | 28.0 | 5 2 5 | 5.0.5 | 7 5~2 | 7 5 | | n 370 | 2 8.0 |
| 9 | 7 5.5 | | 2 7. 0 | | | | 11-4 | | | 4 7.0 |
| 10 | <u>7 6.5</u> | | 2 8.0 | |] | | gg . | | 1 <u>m</u> # | 8 |
| 2.0.0 | 2 8.0 | 4 8.5 | 7 6.5 | 5 1.5 | 5 Q O | 7 5.0 | APP] | $T_1 = 1$ | 4575. | U |
| | | <u> </u> | | | <u> </u> | | | | | |
| 12 | | | | | <u> </u> | | | | 1 | |
| | | | | | Mean = | 7 4.7 6 | ENDIN | | | |
| ייא יייז וכחאר) ו | דרוא חודי די | -1) | | | $\frac{A+}{D}$ | <u>A+</u> | | | | |
| , can o i ni | | | | , | (//w | • • | 7 5 | | 0 3 7 0 | 2 8.0 |
| | | | Γ | | | | = 1 | | | T |
| | | a (B- | 1~)- · | - 3 42 | 18 | | ğ | ţ | i m <i>u</i> | i R |
| | | | | | · | | APP. | $T_1 = 1$ | 4 3 7 4. 5 | i O |
| | | 4 | | 2 2 2 | 2 3 | | <u> </u> | | | |
| | | 0.29 | 10'- | | | | K | - | (TK | I< 5 |
| • | | | | | | | T'/107 | - | (T< | 2×10 |
| | | | | | | | ΔT-π | - | (🛆 | T - 0 |
| | | ц (Б | ' / | 567 | , _A 1 | | T' | _ | m\tt | 1 |
| | | | | | | | AT | - | 0. | · · · |
| е | | n ' | | | D | | T | - 14 | 5 / 4./ (| • |
| + 25 | 2 1 - | | H 1 | 1 | | | | | | |
| ' + 25 | 4 1 | יו אי | | m - | U. | 8 2 | l | | | |
| | _ | 25 | " | 1 | | | ` | 7 11 11 CT | י די די | |
| - 2 | _ | 11 | 8 | D - sα - | 2153. 997. | 91 | | REMA | ARKS | |
| | 9 | 1 1 | 8 co: | D - sα - | 2153. 997. 2149. | 9 1 1 0 4 1 | ļ | REMA | height | |
| - 2 | 9 - | 11 | 8 co: | D - sα - dD ₁ - | 2153. 997. 2149. | 9 1 1 0 | ļ | | height | . 1.38 |
| - 2. - 0. | 9 1 | 37 | 8 cos | D - sα - | 2153. 997. 2149. | 9 1 1 0 4 1 1 5 | ļ | | height | 136 |
| | 1 2.0 2 4.0 3 6.0 4 8.0 5 1 0.0 6 1 2.0 7 1 4.0 8 1 6.0 9 1 8.0 10 2 0.0 11 12 | 1 2.0 7 5.0 2 9.0 2 4.0 7 5.5 2 8.0 3 6.0 7 6.5 2 8.0 4 8.0 2 8.0 5 1 0.0 2 8.0 7 5.5 6 1 2.0 7 5.5 6 1 2.0 7 5.5 7 1 4.0 2 7 5.5 8 1 6.0 2 8.0 9 1 8.0 7 5.5 2 8.0 10 2 0.0 7 6.5 2 8.0 11 | 1 2.0 7 5.0 4 6.0 2 4.0 2 8.0 4 7.5 3 6.0 2 8.0 4 8.5 4 8.0 2 8.0 2 8.0 5 1 0.0 2 8.5 4 7.0 6 1 2.0 2 8.0 4 7.5 7 1 4.0 7 5.5 7 1 4.0 7 5.5 7 1 4.0 7 6.5 2 8.0 4 8.5 9 1 8.0 7 6.5 2 8.0 4 8.5 9 1 8.0 7 6.5 2 8.0 4 8.5 9 1 8.0 7 6.5 2 8.0 4 8.5 10 2 0.0 7 6.5 2 8.0 4 8.5 11 | A PAVITA A - U A - R 1 2.0 2.9 0 4 6.0 7 6.5 2 4.0 2.8 0 4 7.5 7 8.5 3 6.0 2.8 0 4 8.5 7 6.5 4 8.0 2.8 0 2.8 0 7 6.5 5 10.0 2.8 5 4 7.0 7 6.5 6 12.0 2.8 0 4 7.5 7 6.0 7 14.0 2.7 5 4 8.0 7 6.5 8 16.0 2.8 0 4 8.5 7 6.5 9 18.0 2.7 5 4 8.0 7 6.5 9 18.0 2.7 0 4 8.5 7 6.5 10 20.0 2.8 0 4 8.5 7 6.5 10 20.0 2.8 0 4 8.5 7 6.5 11 | A - U A - R (AV) 1 2.0 75.0 29.0 46.0 76.5 50.0 2 4.0 28.0 47.5 78.5 49.5 3 6.0 28.0 48.5 76.5 51.5 4 8.0 28.0 28.0 76.5 51.5 5 10.0 28.5 47.0 76.5 51.5 6 12.0 75.5 48.0 76.5 51.5 6 12.0 28.5 47.0 76.5 51.5 7 5.5 28.0 76.5 52.0 7 14.0 27.5 48.0 76.5 52.0 7 14.0 27.5 48.0 76.5 52.0 8 16.0 28.0 48.5 76.5 52.0 9 18.0 27.5 48.0 76.5 52.5 9 18.0 27.5 48.5 76.5 52.5 10 20.0 28.0 48.5 76.5 52.5 11 | A | AVITY A - U A - R (A-R) W $\frac{7}{2} + 50$ 20 $\frac{7}{2} \times 0$ $\frac{4}{6} \times 0$ $\frac{2}{6} \times 5$ $\frac{5}{6} \times 0$ $\frac{1}{2} \times 0$ $\frac{2}{2} \times 0$ $\frac{2}{6} \times 0$ | ANITY A - U A - R (A-R) W 2 + 50 M | AVITY A - U | A |

SURVEY STATION MB-2 (MASTER; M5, INSTRUMENT)

MB-1 (REMORTR; M2, INSTRUMENT)

| | | OAVITY | A + | A+1-(A-) | A + R | (A+R) | ~ (U+V 1/2 | ₩ <u>+</u> +50 | 7/ | Drybulb | | Orystal |
|----------|------|---------|-------------------|-------------|--|-------------------|-------------------------|----------------|---------------|--------------|------------------|------------------|
| | Na | OWALLI | A - | U | A - R | (A~I | () M | 2+50 | М | | (tc') | temp- erature |
| | 1 | - 2.0 | 8 4.5 | 6 5.0 | 2 Q Q 6 % Q | 5 1.0 | 5 8.0 | 7 9. 0 | I | 27.0 | 2 4.0 | |
| | 2 | 4.0 | 8 3. 0 2. 1. 0 | 620 | 2 1.0 7 0.5 | 5 0. 9 | 5 5 6.2 | 7 8. 1 | н | 2 7. 5 | 2 4.0 | |
| | 3 | | 8 2.5 | | 2 1.5 | | | } | MEAN | | | |
| - | | 6.0 | 2 1.5 8 2.5 | 610 | 7 1 5 | 5 0.0 | 5 5.5 | 7 7. 8 | | 27.2 | 2 4.0 | ия Но |
| - | 4 | 8.0 | 2 1. 5 8 4. 5 | 61.0 | 7 0.0 | 5 0. 5 | 5 5 5.8 | 7 7. 9 | tc-tc' | 3.2 | dp | |
| 9 | 5 | 1 0.0 | 1 9. 0 | 6 5. 5. | 6 9. 0 | 5 0.8 | 5 8.0 | 7 9. 0 | | | | |
| READING | 6 | 1 2.0 | 8 4.5 1 7.5 | 67.0 | <u>18.5</u> ሪዩዐ | 4 % ! | 5 5 8.2 | 7 9. 1 | BEGIN | DNING TIM | | n m |
| 图 | 7 | 1 4.0 | 8 4.0 | 6 6.0 | 1 8.5 6 8.0 | 5 0. ! | | 7 % 1 | DN A | + A+ | $-\frac{A+}{D}$ | <u>A+</u> |
| 田田 | 8 | | 8 4.0 | | 2 0.5 | | | | E E | 4.0 | | A- |
| ACOURATE | | 160 | 1 9. 5 8 3. 5 | 6 4.5 | 6 % 0 2 D 5 | 5 1.5 | 5 5 8.0 | 7 9. 0 | A REI | 5.0 7. | | + |
| Ag | 9 | 1 8.0 | 2 0.0 | 6 3.5 | 6 8. 5 | 5 2 0 | 5 7.8 | 7 8.9 | 11 | 9.0 7 7. | ı | 6 4.0 |
| | 10 | 2 0.0 | 8 4.5 1 9.0 | 6 5.5 | 1 9. 5 | 5 1.0 | 5 8. 2 | 7 9. 1 | APPROX. | $T_1 = 1$ | 7682. | 0 0 |
| | 11 | | · | | | | | - | A.P. | | | |
| 1 | 12 | | | | | | | | 11 | | | |
| | | l | | ll | | | MEAN = | 7 8.7 0 | ENDIN | G TIME | 9 | h 4 4 m |
| | | | | | | | | 7 8.7 0 | <u> </u> | + A + | | A+ |
| ' | COM | TATUT | CON OF D | ISTANCE | (16 B | -2) | ~ (16a B | -1) | | | D | A- |
|] | | | | | | | - | | EAI | | .0 1 6.1 | 1 8.0 |
| | | | | - 10 - | , , Г | 0 | | | = 1 | 8.0 7 ბ. | .8 6 0. | 6 6.0 |
| | | | | a (B - ~ B | - 2'- - | • 3 | 6 33 | | APPROX | | , m/ | |
| | | | | a' | _ | 18 | 6 5 | | AP. | $T_1 = 1$ | 7683. | 0 0 |
| 1 | | | | | | | | | | · | | |
| | | | | 0.291 | <u></u> | _ | 4 3 | | K | _ | (13 | (I<5) |
| | | | | 0291D (| | | 3 ^m 8 6 1 | | T'/107 | - | <u></u> | <2×10 41 |
| | | | | H (16B- | <u> </u> | | | | ΔT - π | - | _ (∠ m#8 | T-0) |
| | | | | H (16B- |) - | 58 | 9.8 | | T AT | | 0. | |
| | | | | | | | | | 4 | | | |
| | | е | | n / | | | D | | T | 176 | 5 7 8.7 0 | 1 |
| e /• | | | 7 I - | | (Km) | Do - | 2649. | 7 | | • | | |
| | _ | + 22. | | 262 | .0 D | n - | 0.9 | 9 | | | | |
| A | - - | - 1 | 6 _ | 113 | .0 0. | D - α | 2648.9 | 1 | | REM | ARKS | |
| В. | - | - 0 | O W. = | | | sα - | 2645.0 | | Instr | ument | heigh | t |
| σ | _ | <u></u> | — " | | == | dD _i - | 0.3 | , | | | M · | - 1.38 |
| | | - 0 | | | | dD₂ - | 0.44:4 | | } | | K ' | - 138 |
| e · | | 20. | 6 n'- | 0.375 | | 8 - | 2 6 4 4.8 | 34 |] | | • | |
| | | | | | | | | | | | | |

$\frac{\text{M}}{\text{B}-3}$ (MASTER; M3. INSTRUMENT) SURVEY STATION $\frac{\text{M}}{\text{B}-5-14}$ (REMORTR; M2. INSTRUMENT)

| | - , | | | | | | | | | | |
|------|-----------------|-----------------|----------------|------------------------|--------------------|------------------|-----------------------------|----------|-----------------|---------------------------------------|------------------------------|
| Ne | YTT VAD | A + | A+1~(A-) U | A + R A - R | (A+R) (A-R V | (U+V)/2 | $\frac{W}{2}$ +50 | М | Drýbulb (te) | Wetbulk (tc/) | 0 rystal temp~ erature |
| 1 | 2.0 | 1 2 0 8 6 0 | 2 & 0 | 8 & 0 3 8. 0 | 4 8.0 | 3 7. 0 | 1 8.5 | I | 3 2:0 | 210 | |
| 2 | 4.0 | 1 1 5 8 5 5 | 2 6 0 | 8 5. 0 3 6. D | 4 % 0 | 3, 7. 5 | 1 8.8 | H | 3 1.0 | 2 1 0 | |
| 3 | 6.0 | 1 1 5 8 5, 0 | 2 6.5 | 8 5.5 3 7. Ø | 4 8.5 | 3 7. 5 | 1 8 8 | MEAN | 315 | 2 1.0 | |
| 4 | 8.0 | 1 1 0 8 6 0 | -2 5.0 | 8 & 0 3 B. 0 | 4 8.0 | 3 6 5 | 1 8, 2 | tc-tc/ | 1 0.5 | фp | an Ho |
| 5 | 1 0.0 | 1 0.5 8 5.0 | 2 5.5 | 8 <u>6 5</u> 3 7. 5 | 4 9. 0 | 3 7. 2 | 1 8. 6 | | | | |
| 6 | 1 2.0 | 1 1 0 8 5 5 | 2 5.5 | 8 6.0 3 7.0 | 4 9. 0 | 3 7. 2 | 1 8. 6 | HEGIN | NING TIM | | h 20 m |
| 7 | 1 4.0 | 1 1.5 8 5.0 | 2 6. 5 | 8 5.5 3 6.5 | 4 9. 0 | | 1 8.9 | A B | | A+ D | A+ A- |
| 8 | 1 6.0 | 1 2.0 8 5.5 | 2 6 5 | 8 5.0 3 6.0 | 4 9. 0 | | 1 8.9 | | 2.0 1.0 6 | .0 8 5.0 | 8 7.0 |
| 9 | 1 8.0 | 1 2.0 8 6.0 | 2 6 0 | 8 5.5 3 6.5 | 4 9. 0 | 3 7. 5 | 1 8.8 | 0 | 10 06 | 0 27.0 | 2 5.0 |
| 1 | | 1 2.5 8 6.0 | 2 6 5 | 8 5, 5 3 6, 0 | 4 9. 5 | | | | r, ==0 | 1312 | χε, 5 9 |
| 1 | 1 | | | | | | | | | | |
| 1 | 2 | | | | | | 1871 | | | | n |
| | | | | | 1 | mean = | | ENDIN | G TIM | E 15 | 29 m |
| 00 | OMPUTAT | ION OF D | STANCE | (<i>M</i> 6.1B ≥ | ⊾∙ፚነ~ | · (16B.÷- | 5 - 1 <i>A</i>) | AB | 0 | H A+ | A+ A- |
| | | | | , ,,, | . , | , | | | | .0 8 6 | |
| | | | . /B-5- | 14. | | 1 1 | | 0 | 05 05 | 5 5 2 6 | 5 2 4 0 |
| | | • | z (B-5- ~B- | + | 0 4 4 | 10 | | | T1 = 0 | : 31-31 3 | mµ8 LOO |
| | | ā | ; * | - | 4 4 | 4 2 | | | | ·—. | |
| | | | 0.291 | a ' = | 1 : | I . | | ĸ. | - | /T: | KI<5) |
| | | | 291D(B) | | | 2 ^m 5 | | T/107 | | (T | <2×101 |
| | | | (B~5~ | · • | 465 | | | ΔT=π· | - | | -"- |
| | | | | 1 | 40, | | | T' | | | mµa • |
| | e | | n' | | | _ | | T | |] | |
| | <u>-</u> | | <u>"</u> | (Km)II | 00 🗕 🔳 | D 97.467 | | _ | 1 | | |
| e '- | 1 8.5 | , I - | 2 5 | 8 D | n | 0.06 | | | | · · · · · · · · · · · · · · · · · · · | |
| A - | 5. 3 | | , | 7 17. 1 | D - 1 α - | 9761 0999 | 917 | <u> </u> | REM | ARK-S | |
| B | 0.1 | <u> </u> | | 0 Dcos | | 9 7.5 9 | | Inst | r umë n | t héig | h t |
| 0 - | 0 | n403 - | 3 2 | | D ₁ - | 0,1 | · | | | | = 1.38 = 1.38 |
| ± - | 1 3 1 | n / | 032 | 8 | S - 1 | 9 7.5 8 | | | | | ~ |
| | | | | <u>.</u> | | | | | | | |
| | | | | | | | | | | | |

| | | | A + | A+1-(A-) | A + R | (A+R)~ (A-R) | (U+V)/2 | ₩ | | Drybulb | Wetbulb | Orystal |
|----------|----------|----------------|------------------|---------------|---------------------------------------|------------------|--------------------|-------------------|------------------|-----------------|-------------|-------------------------------|
| | 16. | VTTVAO | A - | ซ | A - R | (A-R) | W | $\frac{W}{2}$ +50 | M | (tc) | (tc') | temp- erature |
| | 1 | 2.0 | 1 0. 5 8 5. 5 | 2 5. 0 | 8 5.0 4 0.5 | 4 4.5 | 3 4.8 | 1 7. 4 | I | 260 | 23.0 | |
| | 2 | | 1 0.5 | | 8 8.0 | | 1 | | н | | | |
| | | 4.0 | 8 7. 0 1 1. 5 | 23.5 | 4. 2. 5 8 6. 5 | 4 5.5 | 3 4, 5 | 1 7.2 | ļ | 2 6.0 | 2 4.0 | |
| | 3 | 6.0 | 8 7. 0 | 7 4.5 | 4 1.0 | 4 5. 5 | 3 5.0 | 1 7. 5 | MEAN | 2 6.0 | 2 3.5 | |
| NG. | 4 | 8.0 | 1 2.5 8 7. 0 | 2 5. 5 | 8 7. 0 4 1. 0 | 4 6.0 | 3 5.8 | 1 7. 9 | tc-tc' | 2.5 | dp | EMH? |
| EADI | 5 | 1 0.0 | 1 2.0 8 7.0 | 2 5.0 | 8 6.5 4 1.0 | 4 5. 5 | 3 5. 2 | 1 7. 6 | | | | |
| RE | 6 | 1 2.0 | 1 1.5 | 2 5. 5 | 8 & O 4 1. O | 4 5. 0 | 3 5. 2 | 1 7. 6 | BEG I | ONING MIT | nn 8 | 48 m |
| 臼 | 7 | | 1 1.5 | 2 3. 3 | 8 7. 0 | | | | A | + A- | + A+ | A+ |
| A T | | 1 4.0 | 8 5.5 1 2.5 | 260 | 3 9. 5 8 5. 5 | 4 7. 5 | 3 & 8 | 1 8. 4 | E I | 1.0 | D | A - |
| OOWRA | 8 | 1 6 0 | 8 5.0 | 2 7. 5 | 3 % 5 | 4 6.0 | 3 6 8 | 1 8.4 | 喜 7 | 5.0 7 0 | | 8 5.0 |
| A 0 6 | 9 | 180 | 1 2.0 8 3.5 | 2 8. 5 | 8 4.5 3 9.0 | 4 5.5 | 3 7. 0 | 1 8.5 | - 3 | 60 4 1 | .0 8 1.0 | 2 6 0 |
| ` | 10 | 200 | 1 1.5 8 5.0 | 2 6 5 | 8 5.5 3 9.5 | 4 6 0 | 3 6 2 | 1 8. 1 | APPROX. | m — ~ | m/ | |
| | 11 | | | | | | | 1 | A P. | $T_t = 5$ | 3813 | טט |
| 1 | 12 | | | | | | | | ļ <u>!</u> | | | . |
| 1 | 12 | <u> </u> | | | <u> </u> | <u> </u> | | | | | | 55 m |
| | | | | | | | MEAN = | 17.86 | FINDI | | 2 0 | . |
| | ООМ | PUTATI | ON OF D | STANCE | (<i>K</i> a B | -4)~ | (16 B · | - 1) | | 0 | + A+ D | A+ A- |
| | | | | | • | | • | | | 1.0 8.0 7 3. | .0 3 0.0 | 8 4.0 |
| | | | | . <i>1</i> 6B | -1. | | 1 1 | | 3 | 3.0 3 8. | | |
| | | | | a (~ KaB | (B-'4)- | . 1 3 | 3 0 1 | | 1 1 | { | ma ! | · 6 |
| | | | | | - | | | | APPROY. | T, =3 | 3813.5 | 5 0 |
| 1 | | | | a' | - | 5 | 73 0 | - | | | | |
| | | | | 0.29 | 1 4 '- | | 27 1 | | K, | _ [| | |
| 1 | | | | 0.291D(| Km) - | 13 | 37 ^m 3 | | TINO | 1 | (I (T | KI<5) <2×10 ⁴) |
| | | | | H (B- | · ⁴)- | 45 | 54 3 | | $\Delta T = \pi$ | i | | (O-T2 |
| | | | | н (в- | - 1 }- | . 59 - | 71 6 | | T' | 1 | mμ | |
| | | | | | | | | | ΔT | | o. | |
| | | e | | n / | | | D | | r | 3 3 | 817.8 | 6 |
| e , | - | + 21. | 5 1 - | 26 | (K)m) | Do [| 5069 th | 17 | | • | | |
| 1. | - | | | ļ | D | n = | 1. | 9 0 | | | | |
| A | - | - 1.2 | 2 - | 11: | 2 c `o | D - sα - | 5067 9996 | | | REM | ARKS | |
| B | - | - 0 | и - | 1 | ДСО | sα – | 5065 | 4 2 | Instr | ument | heigh | |
| 0 | - | - 0 | n / 10 3 | 3 7 ! | | D ₁ - | Q. | 47 | | | M · | - 1.38 - 1.38 |
| e | _ | 20, | 5 , n '- | 0.37 | | 8 - | 5 O 6 4. | 9 5 | | | | |
| | - | | | | - | • | | | | | | |
| | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | | |

| | | | A + | A 40 (A X | A 1 7 | (A+F | () - | (U+V)/2 | W | <u> </u> | Derbuilb | Wethull | 0 rystal |
|----------|------------|-------------|-----------------------|----------------------------------|------------------------------|----------------|------------|---------------------------|---------------------------------------|---------------|--------------|------------------------|-----------------|
| | Na | CAVITY | A - | A+1-(A-) U | A - 1 | R V | -R) | W W | ₩ 2 +50 | М | | (tc') | temp - |
| | 1 | 2.0 | 8 1 5 1 6 5 | 6 5.0 | 1 6 5 6 8 5 | 4 8, | 0 | 5 6 5 | 7 8.2 | I | 30.0 | 2 4.5 | |
| | 2 | 4.0 | 8 1 0 1 8 0 | 6 3.0 | 1 8.5 6 9.0 | | 5 | 5 & 2 | 7 8.1_ | н | 3 0.0 | 2.5.0 | |
| | 3 | 6.0 | 8 2.5 1 7.0 | 6 5.5 | 1 7. 5 6 8. 0 | | 5 | 5 7. 5 | 7 8.8 | MEAN | 3 0.0 | 2 4.8 | |
| | 4 | 8.0 | 8 2 0 1 7 0 | 6 5.0 | 1 7. 5 6 8. 5 | | 0 | 5 7. 0 | 7 8.5 | tc-tc | 5.2 | dp | ■雇用分 0 |
| P. P. P. | 5 | 1 0.0 | <u>8 2.5</u> 1 7.0 | 6 5.5 | 1 7. 0 6 8. 0 | | | 5 7. 2 | 7 8. 6 | | | | |
| READ ING | 6 | 1 2.0 | 8 3.0 1 5.0 | 6 8.0 | 1 5.0 6 7.5 | | | 5 7. 8 | 7 8.9 | BEGI | INING TIL | 10 1 O | 13 m |
| | 7 | 1 4.0 | 8 3. 0 1 6. 0 | 6 7. 0 | 1 6 5 | _ | | 5 8.0 | 7 9. 0 | | + A+ | | A+ A- |
| ACCURATE | 8 | | 8 1. 5 | | 165 | | | 5 7.5 | 7 8.8 | | 1.0 | | |
| 4000 | 9 | 160 | 8 1, 5 | 6 5. 5 | 1 5.0 | | | 580 | 7 9. 0 | | | 0.0 7 4.1 1.0 0 7.1 | |
| | 10 | 18.0 | 1 5 0 8 1 5 | 66.5 | 6 5. 5 1 5. 0 | | | | | 30x. | ı | 1 | ı |
| | 11 | 20.0 | 1 5. 0 | 66.5 | 6 5. 5 | <u>4 9.</u> | 5 | 5 8.0 | 7 9. 0 | APPROX. | T1 = 7 | 4082. | 50 |
| | <u> </u> | | | | | _ | | | | | | | |
| | 12 | | <u> </u> | <u> </u> | | | | MEAN == | 78.68 | ENDI | NG TIM | E 10 | h 20 m |
| \vdash | L | | , | | | <u>!</u> | | + A+ | | -, | | | |
| | COM | PUTAT. | ION OF D | ISTANCE | (16 E | 3 - 5) | ~ | (<i>N</i> ₀ B | - 1) | | 1.0 | D | A- |
| | | | | | _ | | | | | 1 | 1.0 4 1 | | - |
| | | | | a (^{B −} _{~B} | ¹ ₅)- | - 0 % | 40 ' | 29 | | . — | : 0 4 0 | 1 | да |
| 1 | | | | a ' | _ | | | | | APPROX. | $T_1 = 7$ | 4083. | 0 0 |
| | | | | 40 | | | 40 | 5 | | | | | · · · · · · · · |
| | | | | 0.291 | L | | 11 | 8 | | K | - | (1 | KI<5) |
| | | | | 0.291D(I H (B- | | • | 131 467 | ^m 0 | | T'/10 7 | - | T) | <2×10⁴) |
| ' | | | | H (B- | ` } | | 598 | 3 | | ΔTπ | | (4 m/4 | 2 T ~ () |
| | | | | • | - (| | | • | | T _ | | 0. | |
| | , | e | | n * | | | | D | | T | _ 74 | 078.6 | 8 |
| | ران کال | | | | (Ku | n)Do — | <u> </u> | 1104 | 12 | | 1 ' | | · |
| e / | - / | + 23 | 2 1 - | 260 | D D | n - | | 4. | 1 0 | | | | |
| A - | • | - 2. | 6 - | 109 | , c | D - | 1 | 11004 | | | REMA | ARKS | |
| В - | • [| - 0. | 1 11 - | . 0 | - | o sα 🖚 | 1 | 1099 | 2 5 | Inst | rument | | |
| 0 - | • [| - 0 | n'10 ³ - | 369 | , | d⊅; ~ d⊅; ~ | | 1. (| 0 4 | | | M R | -138 -138 |
| - | <u> </u> | 2 0. | .5 n 4 | 0.369 | , | S - | - | 1098.2 | 2 1 | | | | |
| | 1 | | ı | 1 | 1 | | 1 | | ' | | | | , |
| <u> </u> | | | | - | | | | | · · · · · · · · · · · · · · · · · · · | <u> </u> | | | |

| | Ж | CAVITY | A + A - | 'A+1-(A-) U | A + R A - R | (A+R) ~ (A-R) | (UIV)/2 W | ₩+50 | м | Drybulb (tc) | Wetbulb | Cystal temp- erature |
|-------|----------|--------|-----------------------|-------------------|-------------------------|------------------|-----------------------|---------|-----------|-----------------|---------------------|----------------------------|
| | 1 | 2.0 | 5 <u>6.0</u> 4 7.0 | 9.0 | 4 6.0 9 5.0 | 5 1. 0 | 3 0.0 | 6 5.0 | ı | 2 4.0 ° | 2 2°0 | era uus |
| | 2 | 4.0 | <u>5 8.0</u> 4 7.0 | 1 1.0 | 4 8.5 9 5.0 | 5 3.5 | 3 7. 2 | 661 | н | 2 5.0 | 2 2.0 | |
| | 3 | 6.0 | 605 480 | 1 2.5 | 4 9.0 9 5.0 | 5 4.0 | 3 3.2 | 66.6 | MEAN | 2 4.5 | 2 2.0 | |
| NG | 4 | 8.0 | _5.65 _4.5.0 | 115 | <u>465</u> 960 | 50.5 | 3 1.0 | 6 5.5 | tc-tc/ | 2.5 | dp | 0 mag |
| ADI | 5 | 1 0.0 | <u> 57.5</u> 46.0 | 115 | <u>470</u> 9 70 | 5 0.0 | 30.8 | 6 5.4 | | | | |
| 田田田 | 6 | 1 2.0 | _5.4.5 4.5.0 | 9.5 | 4 6 5 9 6 0 | 5 0.5 | 3 0.0 | 6 5.0 | II | NNING TIM | 8 h | 5 ^m |
| 田田 | 7 | 1 4.0 | 5 6.5 4 6.0 | 1 0.5 | 4 6.0 9 6.5 | 4 9. 5 | 3 0.0 | 6 5.0 | | + A- | | A + A - |
| OURA | 8 | 1 6 0 | <u>5 5.5</u> 4 4.0 | 1 1.5 | <u>4 4.0</u> 9 5.5 | 4 8.5 | 3 0.0 | 6 5.0 | READING | 7.5 6.0 41 | 0 5 9.0 | 4 8.0 |
| A O O | 9 | 1 8.0 | <u>5 4.5</u> 4 5.5 | 9. 0 | 4 <u>4 6 0</u> 9 6 0 | 50.0 | 2 9. 5 | 6 4.8 | | 15 16 | | 0 % 5 |
| | 10 | 2 0.0 | 5 6.5 4 6.0 | 10.5 | 4 5.5 9 5.5 | 5 0.0 | 30.2 | 6 5.1 | APPROX. | т, = 0 | 2054.7 | 759 |
| | 11 | 1 8.0 | 5 7.0 4 5.5 | 1 1.5 | 4 5.0 9 6.0 | 4 9. 0 | 302 | 6 5.1 | A. | | | |
| | 12 | | | | | | | | | | | |
| | | | | | | | AEAN = | 6 5.3 5 | <u> </u> | NG TIM | | 2 0 |
| | OON | PUTAT | ION OF D | ISTANOE | : (MaB-5 | -1 | (16B- | 5) | 1 ! = | | | A+ A- |
| | | | | | | | | • | 1 200 | 8.0 7.5 4 3. | 5 6 2.5 | 4 4.5 |
| | | | | a (MaB - | 5 5-1)-+ | 1 12 | 40 | | 2 H | 0.5 1 4. | | 1 3.5 |
| | | | | ~/aB~ | 5-1/ | | | | PRO | T, = 0 2 | መ <i>ዉ</i> 205ል7 | |
| | | | | a i | - + | 7 2 | 7 | | ¥ | | | |
| | | | | 0.29 | 1 4 ' = + | 2 1 | 2 | | | _l | ITR | (I<5) |
| | | | | 0.291D(H (B- | Km) = + | 467 | m 6 | | I 1/107 | <u> </u> | | <2×10∮ |
| | | | | H (B- | <u>-</u> | 473 | | | ΔT=π T | 1 | m,48 • | T-0) |
| | | | | п (В- | 5-1 /-1 | _ | • | | | l l | 0. | |
| | | e | | n′ | | | D | | т | 0 2 0 | 0 6 5.3 5 | |
| e ' | | | | | (Km) D | o - [| 3 D 9 Th 5 | 9 | | 1 | | |
| | | + 19. | | + 26 | D D | ļ | 0.1 | 1 1 | | TO TOUR A | DFG | |
| A A | - | | 2 | +103 | cos | D - α | 3094 19997.7 | 7 7 | Tact | REMA | heigh | |
| B - | - | | 0 11 - | <u> </u> | | α | 3 0 9.4 0.0 | 4 1 | Tust | i uitie ii l | M | =: 사 |
| 0 - | - | | 0 n'103_ | - 3 6 7 | d D | | | | | | R | = '38 |
| e · | - | 1 8. | .4 n/- | 0.367 | ' | s - | 3093 | 5 9 | | | | |
| | | | | | | | <u> </u> | | <u> </u> | | | |

SURVEY STATION $\frac{\text{\% B5-1}}{\text{\% B15-2}}$ (MASTER: %3, INSTRUMENT)

| | | | | | | · · · | | | | , | , | |
|------|-----------|----------|------------------------|---------------|-------------------------|---------------------|-----------------|------------|------------------------|--|---------------|-----------------------------|
| | Ка | OAVITY | A + A - | A+1~(A~) U | A + R A - R | (A+R) (A-R) V | (U+V) /2 W | ₩ 2 +50 | M | Drybult (tc) | Wetbulb | Orystai temp- erature |
| | 1 | 2.0 | 5 8.0 - 4 6.0 | 1 2.0 | 4 & U 9 8.U | 4 8.0 | 3 0.0 | á 5.0 | I | 2 5.5 | 2 2.5 | |
| | 2 | 4.0 | 5 <u>6.5</u> 4 5.0 | 1 1.5 | 4 <u>4 4 5</u> 9 7.0 | 4 9. 5 | 3 0.5 | 6 5.2 | н | 2 5.0 | 2 2.0 | |
| | 3 | ۵.0 | 5 7. 0 4 6.0 | 110 | 4 7.0 9 8.0 | 4 9. 0 | 30.0 | 6 5.0 | MEAN | 2 5.2 | 2 2.2 | |
| ING | 4 | 8.0 | 5 6.5 4 5.0 | 115 | 4 5.0 9 7.0 | 4 8.0 | 2 % 8 | 64.9 | tc-tc' | 3.0 | dp | O made Ho |
| BAD | 5 | 1 0.0 | 5 6.5 4 7.0 | 9.5 | 4 7.0 9 8.0 | 4 9.0 | 2 % 2 | 6 4.6 | | . <u> – </u> | | |
| RE | 6 | 1 2.0 | 5 <u>4 6 0</u> | 10.0 | 47.0 99.0 | 4 8.0 | 2 9.0 | 6 4.5 | HEGIN | TIM | | 5 U |
| RATE | 7 | 1 4.0 | 5 <u>6 5</u> 4 6 0 | 1 0.5 | 97.5 | 4 8.5 | 2 % 5 | 6 4.8 | } | | - A+ D | A+ A- |
| our | 8 | 160 | <u> 5 6.5</u> 4 7.0 | 9.5 | 4 8.0 9 9.0 | 49.0 | 2 9. 2 | 64.6 | TOTAL 2 | 7.5 1.0 2 9. | 0 6 2.0 | 460 |
| ¥Ω (| 9 | 1 8.0 | 5 7.5 4 8.0 | 9.5 | 4 8.5 9 8.0 | 4 9.5 | 2 9. 5 | 6 4.8 | ار الخ | 4.5 2 8. | 5 9 5.5 | 1 1 5 |
| | 10 | 20.0 | 57.0 47.0 | 1 0.0 | <u>47.5</u> 99.0 | 4 8.5 | 2 9. 2 | 64.6 | APPROX. READING O O G | T, = | 0 3 0 5 5 | n#8 5.75 |
| | 11 | | | | | - | | | ¥ | , | | <u>.</u> |
| | 12 | <u> </u> | | | | - | | | | | - | |
| | | | . <u>.</u> | <u> </u> | G TIM | | 10 m | | | | | |
| | COM | PUT AT I | CON OF D | ISTANCE | (NaB - 5 | -1)~ | (MB5- | 2) | | | H A+ | A+ A~ |
| | | | | | · · | | • | | TOTAL P 2 | 8.0 6.0 2 8 | .0 5 4.0 | 47.0 |
| | | | | a (B-5- | 2)- | 0 1 | 5 2 | | X E | 20 30 | .0 0 4.0 | 1 |
| | | | | -5-5 | _ | | | | APPROX. READING II | T, == 0 | 3055. | #8 50 |
| | | | | a' | ~ | 1 | 5 | | A | | | |
| | | | | 0.291 | a' - | 0 | | | K | - 1 | (IK | (I<5) |
| | | | | 0.291D(E | | 473 | ¹⁰ 2 | | T 1/10 | | (T< | (¥01×2> |
| | | | | н (В-5 | <u> </u> | 473 | 7 | | ΔT-π | - | <u>т</u> да, | T-0} |
| | | | | (- 0 | -, | | 1 | | T - | | g. | |
| | | e | | n ' | | | D | | T | | 0 6 4.8 0 |) |
| | . $ abla$ | | - | | (Km) | Do → [| 4 5 9. | k n | _ | • | | : |
| e | | +199 | I = | +264 | מ | n | 0. | 1 7 | <u> </u> | ······································ | | |
| A | \vdash | - 1.5 | _ ~ | +101 | cos | Δ - | 459. 1,000.0 | | | ··· | ARKS | |
| В | _ | - 0.0 | 11 | - 0 | | $a = dD_1 = -$ | 4 5 9.1 D.1 | 23 | Insti | rumen t | | =138 |
| 0 | - | - 0.0 | n'10ª | -365 | | dD, - | | | | | R | =1.38 |
| е | -[| 1 8.4 | n '- | 0.365 | | s - | 4 5 9. | 20 | | • | | |
| | | | | | | | | | | | | |

| | | SURVEY | STATION | <u>м</u> В | 5-3 (MAX 5-2 (RE) | | | | | | | |
|-----|----------|----------------|----------------------|-----------------------|----------------------------|----------------------|------------------|---------------------------|----------------|---|-------------------|-------------------------------|
| | Ка | OAVETY | A + A - | A+1~(A-) | A + R A - R | (A+R)- (A+R) V | (U+V)/2 W | $\frac{\text{W}}{2}$ + 50 | м | Drybulb (tc) | Wetbulb | |
| | 1 | 2.0 | 5 0.5 5 2.5 | 9 8.0 | <u>5 7.0</u> 7.0 | 4 4.0 | 7 1.0 | 3 5.5 | I | 2 8.0 | 2 4.0 | <u> </u> |
| | 2 | 4.0 | 5 4 0 | 9 8.0 | 51.0 10.0 | 41.0 | 6 9.5 | 3 4.8 | Н | 3 0.0 | 2 5.0 | |
| | 3 | 6.B | <u>51.0</u> 54.0 | 9 7. 0 | 5 4.0 8.5 | 4 5.5 | 7 1.2 | 3 5, 6 | MEAN | 29.0 | 2 4.5 | |
| ING | 4 | 8.0 | 5 1.0 5 4.0 | 9 7. 0 | 5 3.0 8.0 | 4 5.0 | 7 1.0 | 3 5.5 | tc - tc/ | . 4.5 | dp | 0 mmH9 |
| A D | 5 | 100 | 50.5 53.0 49.0 | 9 7. 5 | _5 2.5 | 4 5.0 | 712 | 3 5.6 | | | - | |
| RE | 6 | 1 2.0 | 5 4.0 | 9 5.0 | 1 1.0 | 4 4.0 | 6 9.5 | 3 4.8 | BEXIN | TIL | | 5 0 m |
| ATE | 7 | 1 4.0 | 5 0.5 5 4.0 | 9 6.5 | 5 4.0 9.0 | 4 5.0 | 708 | 3 5.4 | | | + <u>A</u> + D | A+ A- |
| OUR | 8 | 1 6.0 | 5 1. 0 5 3. 5 | 9 7.5 | 5 2.5 8.0 | 4 4.5 | 7 1.0 | 3 5.5 | READING 1 | | .0 8 1.0 | 5 4.0 |
| AOC | 9 | 1 8.0 | 5 2.0 5 3.0 | 99.0 | 5 <u>2.5</u> 7.5 | 4 5.0 | 7 2.0 | 3 6.0 | × 0 | 9.0 98. | .0 7 0.0 | 97.0 |
| | 10 | 200 | 5 0.5 5 2,5 | 9 8.0 | <u>5 1.5</u> <u>7.5</u> | 4 4.0 | 760 | 3 5.5 | APPROX. | T1 = (| 09648 | n#e 9.50 |
| | 11 | | | Ì | | ļ. <u> </u> | | | A | | | |
| | 12 | | | | | ļ ļ | | | | | - - | |
| | | | | | | | MEAN = | 3 5.4 2 | | G TIME | 5 ∤1U - + | h 3 m |
| | ООМ | PUTATI | ION OF DI | STANCE | (16B-5- | -3)~ | (MB - 5 | -2) | ON B | + A- 0 | <u>+ A+</u> D | A+ A- |
| | | | | | | | | | IGVE 15 | 1.5 2.0 5.4 | .0 8 <u>5.0</u> | 5 2.5 |
| | | | | a (^{B-5} -5 | -2 | 0 21 | 5 4 | | 1%. H | $ \begin{array}{c cccc} & & & & & & & & \\ & & & & & & & \\ & 1.5 & & & & & \\ & 2.0 & 5.4 & & & \\ & 9.5 & 9.7 & & & \\ & T_1 & = 0 & & & \\ \end{array} $ | 5 6 6.5 | 99.0 #8 |
| | | | | | - | | | | APPROX. | $T_1 = 0$ | 964% | 50 |
| | | | | a' | - | 2 1 | 9 | | A . | | <u>.</u> | - |
| | | | | 0.291 | ľ | 6 | 4 | | ĸ | | (1 | KI<5) |
| | | | | 0.291D(I H (B-5 | | | ² 2 7 | | T'/107 ΔT-π | | (T | <2×10 ⁴) >T=0) |
| | | | | н (в-5 | -3)- | 464 | 5 | | T' | | mu e | • |
| | | | | | | | • | | ΔŢ | - | 0. | |
| | | e | | n ′ | | | D | | Ŧ | - 090 | 6 3 5.4 2 | ? |
| e ' | - [| + 2 2.8 | I - | +260 | (Km) | I | 1 4 4 4 7 3 | | | • | | |
| A | <u> </u> | - 2.2 | - _ | +110 | D | D - | 0.5 | 8 | | REMA | ARKS | |
| В | _ - | - 0 | _ | - 0 | cos | α 🗕 0. | 99998 | 0 | l Instr | ument | | t |
| σ | _ | - 0 | n'103 | ` <u> </u> | | dD ₁ | 0.1 | | - | | М | = 1.38 == 1.38 |
| | _ - | | n' 00 = | | _ | dD ₂ - | | | | | • | J |
| е | - | 2 0.5 | | 0.370 | | s - | 1 4 4 3.6 | 4 | | | | |

SURVEY STATION $\frac{\text{16.B}}{\text{16.B}}$ (MASTER; 16.3, INSTRUMENT) $\frac{\text{16.B}}{\text{16.B}}$ (REMORTR; 16.2, INSTRUMENT)

| | Na | CAVITY | A + | A+1~(A~) U | A + R A - R | (A+R) (A-R) | (U+V)/2 W | ₩ 2+50 | DrybulbWetbulb Crystal temp- erature |
|-------|---------------|--------------|-------------------|-------------------|---|---|----------------------|-------------|---|
| | 1 | 2.0 | 4 2.0 6 3.0 | 7 9.0 | 60.5 | 4 6.5 | 6 2.8 | 314 | I 2 9.5 2 4.0 |
| | 2 | 4.0 | 410 | 79.0 | 61.0 | 4 7.0 | 6 3.0 | 31.5 | H 3 0.0 24.0 |
| | 3 | 6.0 | 4 1.5 5 9.0 | 8 2.5 | 5 8.0 1 2.0 | 4 6.0 | 6 4.2 | 3 2.1 | MEAN 29.8 24:0 |
| ING | 4 | 8.0 | <u>400</u> 580 | 8 2.0 | _5 <u>75</u> _130 | 4 4.5 | 6 3.2 | 316 | tc-tc' 5.8 dp 0 maH9 |
| £ A.D | 5 | 10.0 | _40.5 _58.0 | 8 2.5 | <u>5 8.5</u> 1 4.0 | 4 4.5 | 63.5 | 318 | |
| RE | 6 | 1 2.0 | 4.0.0 5.7.0 | 8 3.0 | <u>5 5 5 _</u> 1 2.5 | 4 4.0 | 6 3.5 | 318 | BEGINNING 10 15 m |
| RATE | 7 | 1 4.0 | _405_ _565_ | 8 4.0 | _ <u>5.7.0</u> _ 13.0_ | 4 4.0 | 6 4.0 | 3 2 0 | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ |
| our | 8 | 1 60 | _3 % 5 5 & 0 | 8 3.5 | _5 <u>60</u> _125 | 4 3.5 | 6 3.5 | 3 7.8 | B 0 D A- 4 5.0 4 6.0 5 1.0 8 7.0 6 2.0 9 7.0 1 2.0 5 6.0 8 1.0 |
| A Ø (| 9 | 1 8.0 | <u> </u> | 8 3.0 | <u>5 7.0</u> <u>1 4.0</u> | 4 3.0 | 63.0 | 3 1.5 | 970120 560 810 |
| | 10 | 2 0.0 | 4 0.5 5 5.5 | 8 5.0 | 5 4.5 1 2.0 | 4 1. 5 | 6 3.2 | 316 | T, = 01540.50 |
| ļ | 11 | | | | | <u> </u> | | <u>-</u> | 2 |
| | 12 | | | | | | | | h |
| | <u> </u> | | | | 3 1.7 1 | ENDING TIME 10 ^h 35 ^m A+ A+ A+ A+ | | | |
| | COM | PUTATI | ON OF D | ISTANCE | (MB - 5 | -3)~ | (16B~ 5 | 5-4) | 1. / / - / - |
| | | | | | | | | | 400 270 880 540 |
| | | | | a (~B~5 | ⁻⁴ ₅ -3) - | 1 22 | 2 | | |
| | | | | a i | _ - | 8 2 | 0 | | T ₁ = 0 1 5 4 2.2 0 |
| | | | | | _ | | | | |
| | | | | 0.291 0.291D(I | (m) = | 2 3 | 9 5 | | K - (IKI<5) F'/10 ⁷ - (T<2×10 ⁴) |
| | | | | H (B-5 | | 464 | 5 | | $\triangle T = \pi - (\triangle T = 0)$ |
| | | | | н (В-5 | -4)- | 459 | 0 | | T'- mus |
| | | e | | n i | | | D | | △T = 0. |
| | | | , | | | , | | | T - 0153171 |
| e | '- . | + 2 2 2 | I - | + 2 6 | D D (Kw) | Do | 2 2 9.56 0.0 | | |
| A | - | - 29 | _ | +10: | 2 cos | D - | 2 2 9 5 0 9 9 9 7 | 2 | REMARKS |
| В | - | - 0.0 | | · - (| | α - | 2 2 9. 4 | 5 | Instrument height M = 138 |
| 0 | - [. | - 0.0 | n'103 - | - 362 | 2 | $dD_t = \begin{bmatrix} -1 \\ -1 \end{bmatrix}$ | 0.0 | 2 | R = 138 |
| е | - | 1 % 2 | n '- | 0.36 | 2 | s - | 2224 | 5 | |
| | • | | • | • | • | ' | | • | |

| | • | 1 | A + | A + 2 - (A-) | A + R | (A+R)- | (U+V)/2 | W | <u> </u> | h rybulh | Wetbulb | Orvstal |
|-----|-------------|----------|-----------------------|-------------------|-----------------------|-----------------|---------------|------------|--------------------|----------------------|----------------|---------------------------------|
| | 16 | CAVITY | A - | A+1~(A-) U | A - R | (A-R) V | W | 2+50 | М | (tc) | (tc') | temp- erature |
| | 1 | 2.0 | 1 9. 0 8 5. 0 | 3 4.0 | 8 5.0 4 0.0 | - 4 5.0 | 3 9.5 | 1 9.8 | r | 3 2.0 | 2 5.0 | |
| | 2 | 4.0 | 1 9.5 8 4.5 | 3 5.0 | 8 5.0 4 1.0 | - 44.0 | 3 9.5 | 1 9.8 | н | 3 2.0 | 2 5.5 | |
| | 3 | ģ.p | 1 9.0 8 4.0 | 3 5.0 | 8 4.5 4 1.0 | | 3 9. 2 | 1 9.6 | MEAN | 3 2.0 | 2 5.2 | _ |
| NG | 4 | 8.0 | 1 8.5 8 3.5 | 3 5.0 | 8 5.5 4 1.5 | - 44.0 | 3 9.5 | 1 2 8, | tc-tc/ | 8.8 | dp | OnaHo |
| ADI | 5 | 1 0.0 | 1 8.0 8 5.0 | 3 3.0 | 8 & O 4 2.0 | - 44.0 | 3 8.5 | 1 9.2 | | -1 | | |
| RE | 6 | 1 2.0 | 2 0.5 8 6.0 | 3 4.5 | <u>8 4.5</u> 4 0.0 | - 4 4.5 | 3 9.5 | 1 9.8 | BEGII | NNING TIN | 1E 1 1 | 5 m |
| 田田 | 7 | 1 4.0 | _1 <u>20</u> _ 840 | 3 5.0 | 8 4.0 4 1.0 | 4 3.0 | 3 % 0 | 1 9.5 | | + A+ | $\frac{A+}{D}$ | A+ A- |
| URA | 8 | 1 6.0 | <u> 190</u> 83.0 | 3 6.0 | 8 5.0 4 2.5 | 4 2.5 | 3 9. 2 | 19.6 | | 9.5 | - | |
| 000 | 9 | 1 8.0 | 1 7.0 8 2.0 | 3 5.0 | 8 6 0 | _ 4 2.0 | 3 8.5 | 1 % 2 | EE T | 1.0 6 1. 8.5 5 8. | | 8 4.5 3 5.0 |
| A | 10 | 2 0.0 | 190 830 | 3 6 0 | 8 4.0 4 0.0 | _ 44,0 | 400 | 200 | APPROX. | _ ' | 1 | mua e |
| | 11 | | | | A_U.u | _ | | | API | т, = | 05517 | 7.5 U |
| | 12 | | | | | _ | - | | | | | |
| | | <u> </u> | · · · · · · | i | 1 9.63 | ENDI | O TIM | E 11 | 1 1 8 ^m | | | |
| | | | | | / / /P = 1 | | (| <u> </u> | 1 1 7 | + <u>A</u> + | <u>A</u> + | <u>A+</u> |
| | OOM | PUTATI | CO TO NO | est an ue | (Mab - | 5 ° 5 | (HAD - | 5-4) | 1 | 9.0 | | A- |
| | | | | | | | 1 | | 型 o | 1.5 5.9 7.5 5.9 | 5 6 5 D | 830 |
| | | | • | z (~B-5- | 5-5 }- | 0 4 3 | 20 | | ZOX. | l | ł | uµe |
| | | | ć | z ' | _ | 4 3 | 3 | | APP] | $T_1 = 0$ | J 5 5 1 8 | ro 0 |
| | | | | | | | | | <u> </u> | | | |
| | | | 1 | 0.2 9 1 291D(K | | 12 | D . | | K T/107 | | | KI<5) |
| | | | | 4 (B-5- | | 459 | 0 | | $\Delta T = \pi$ | | | <2×10 ⁴) T = 0) |
| | | | 1 | A (B-5- | 5)→ | 4 4 8 | 6 | | T' | | | <u>1</u> 48 |
| | | | | | | | | | TA | - | o. | · ` |
| | | e | | n i | | | D | | T | - 0 | 5519. | 63 |
| e | ,_ [| + 2 3.8 | 3 I - | + 2 5 8 | D (Km |)Do | 8 2 7. 0.3 | 3 7 3 0 | | | | |
| A | - | - 3.4 | | +108 | 3 | p - | 8 2 7. | 0 7 | | REMA | RKS | |
| В | - | - 0.0 |) II - | - (| co | s α - s α - | 827 | | Instr | ument | heigh | t I |
| o | _ | - 0.0 | _ | | | $dD_i - dD_i -$ | | .0 6 | | | М | =138 =138 |
| 8 | - | 20.3 | n '- | 0.886 | | s - | 8 2 6. | 9 4 | | | | |
| | • | | • | • | 1 | • | | ' | | | | |

| | No. | OAVITY | A + A - | A+1~(A+) U | A + R A - R | (A+R) (A-R | (Ù+V)/2 | W + '50 | 'м | Drybulb (tc) | Wetbulb (tc/) | Orystal temp - erature |
|---------|-------------|---------|-----------------------|------------------------------------|-------------------------|---------------|------------------------|--------------|-----------|-----------------|------------------|---|
| | 1 | 2.0 | 4 7.5 5.8.0. | 8 9 5 | 5 8.0 1 0.5 | - 47.5 | 6 8.5 | 3 4.2 | I | 3 4.5 | -2 4.5 | |
| | 2 | 4,0 | 4 8.0 5 7.5 | 9 0.5 | 59.0 | - 47.5 | 69.0 | 3 4.5 | н | 3.5.0 | , 2.3.5 | |
| | 3 | 6.0 | 4 9. 0 5 8.0 | 910 | 5 8.5 1 1. 5 | 4 7.0 | 69.0 | 3 4.5 | MEAN | 3 4.8 | 2.4.0 | |
| NG | 4 | 8.0 | 4 8.5 5 7.0 | 915 | 5 & 5 1 Q 5 | - 4 6:0 | 6.8 | 3 4.4 | to-to/ | 1 0.8 | dp | an Ho |
| READI | 5 | 100 | 4 8.5 5 8.0 | 9 0.5 | 5 9. 0 1 1. 5 | - 47.5 | 69.0 | 3 4.5 | | | | , |
| RE | 6 | 120 | 4 8,5 5 9.0 | 8 9.5 | 5 % 5 1 1 5 | 48.0 | 8.8 6 | 3 4.4 | BEGIN | NING PING | ∆ne 13. | 5 6 m |
| TE | 7 | 1 4. 0 | <u>4 9.5</u> 5 7.5 | 9 2.0 | 5 7.5 1 0.0 | 4 7. 5 | 6 % 8 | 3 4.9 | A P | + A- | A + D | A+ A- |
| AGGURAT | 8 | 1 6.0 | _50.0 540 | 9 4.0 | _5.6.0 9.5 | 4 6 5 | 7 0.2 | 3 5.1 | | 8.0 4.0 2.5 | n 221 | 5 8.0 |
| 001 | 9 | 1 8.0 | <u>4.9.5</u> 5.5.5 | 9 4.0 | _ 5 <u>6 0</u> - 2 0 | - 47.0 | 7 0.5 | 3 5.2 | 11. T T | 4.0 2 3 | | 9,00 |
| 4 | 10 | 200 | 4 9. 0 5 6. 0 | 9 3.0 | 5 & 0 1 0.0 | - 460 | 6 %5 | 3 4.8 | APPROX | $T_1 = 0$ | 2 2 4 5 | 04e 00 |
| | 11 | | | | | - | | | AP | | | |
| | 12 | | | | | - | | | j | | • | |
| | | - | | | | | mean = | 3 4.6 5 | ENDI | o timi | E 14 | h 4 m |
| | COM | PUTAT | ON OF D | STANCE | (16B - | 5-7) | √ (16B - 5 | -6) | | + A- | + A+ D | <u>A+</u> |
| | | | | | • | · | • | • | | 9.0 60 27 | 0 240 | 5 6 0 |
| | | | | a (⁸⁻⁵ _{~B} - | -6 | n° 1. | 2 4 4 " | | | | .0 2 5.0 | 9 3.0 |
| | | | | [™] (~B~ | 5~7 ^{/—} | | | | APPROX. | T. = (| 02248 | 14.6 15.6 |
| | | | | a' | - | 1 : | 2 7 - | | A P | | | |
| | | | | 0.291 | a' - | ; | 5 7 | | K | _ | , - | |
| | | | | 0.291D(E | | 4 5 | 1 ¹¹¹ 2 5 6 | | T'/10 | | | KI<5) <2×10 ⁴) |
| | | | | H (B-5. H (B-5- | <u></u> | | | | ΔΤ-π | | (<u> </u> | T-0) |
| | | • | • | . (= 0 | ., - | 4 5 | 68 | | T' | | · 0. | 5 |
| | | e | | n ! | | | D | | · T | _ 0 | 2 2 3 4.6 | 5 |
| | _ | | | | | ma - [| 3 3 4.5 | | | -1 - | | |
| е | '- | + 2 2:2 | _ I - | +255 | (Km) | n - | - 0.1 | 1 | | | | |
| A | - . | - 5.4 | | + 86 | co | D - sα - | 3348 ቤዓዓ % | | | REM | ARKS | |
| В | - | - 0.2 | <u> </u> | ~ 0 | | s α = dD, = | 3 3 4:8 | | Instr | ume n t | height | |
| 0 | - | - 0.0 | n /103 - | - 3 4 1 | | qu' - | _ 0.2 | 24 | | | | = 138 · = 138 |
| e | - | 1-46 | n'- | 0.541 | | s - | 8346 | 2 | | | | • |
| | • | | | | | <u> </u> | | | | ••• | | |

| | | | | • | | | | | | | | <u> </u> |
|----------|------------|--------------|-----------------------|-------------------|--|----------------------|------------------|------------------|--------------------|-----------------|---|-------------------------------|
| | No. | YTTVAO | A + A - | A+1~(A~) U | A.+ R A ~ R | (A+R)- (A-R) V | | W +50 | М | Drybulb (tc) | Wetbulb (tc') | C rystal temp- e rature |
| | 1 | 2.0 | 4 3.0 | 8 3.5 | 6.0.0 1 5.5 | 4 4.5 | 6 4.D | 3 2.0 | I | 3 3 0 | 2 5.0 | |
| | 2 | 4.0 | 4 2.5 5 9.5 | 8 3.0 | 6 Q.5 1 5.5 | 4 5.0 | 6 4.0 | 3 2.0 | Ħ | 3 3.0 | 2 4.5 | |
| | 3 | 6.0 | 4 3.0 6 0.0 | 8 3.0 | 6 0.0 1 5.0 | 4 5.0 | 6 4.0 | 3 2.0 | MEAN | 3 3.0 | 2 4.8 | |
| D N I | 4 | 8.0 | 4 <u>3.0</u> 5 9.5 | 83.5 | <u>5 9.0</u> 1 3.0 | 4 6.0 | 6 4.8 | 3 2.4 | tc-tc | 8.2 | dp | O EMH9 |
| A D | 5 | 10.0 | <u>43.0</u> 5.8.0 | 8 5.0 | 5 8.0 1 2.5 | 4 5.5 | 6 5.2 | 3 2.6 | | | 1 | |
| RE | 6 | 1 2.0 | <u>43.0</u> 59.0 | 8 4.0 | _5 % 0 _ 1 3 5 | 4 5.5 | 6 4.8 | 3 2.4 | <u></u> | NNING TIM | | · |
| ATE | 7 | 1 4.0 | <u>4.4.5</u> 5.8.0 | 8 & 5 | <u> 58.5</u> 13.0 | 4 5.5 | 660 | 3 3. D | | | $\frac{+}{D}$ | $\frac{A+}{A-}$ |
| OURA | 8 | 1 6 0 | <u>4 5.0</u> 5 8.0 | 8 7.0 | 59.0 125 | 4 6.5 | 648 | 3 3.4 | | 3.0 9.0 5. | D 5 5.1 | 5 9.0 |
| ¥Q(| 9 | 1 8.0 | <u>4 4.5</u> 5 7.0 | 8 7.5 | <u>5 8.5</u> 1 3.0 | 4 5.5 | 6 6 5 | 3 3.2 | X T | 4.0 3 8. | 0 88. | 0 8 4.0 |
| | 10 | 20.0 | 43.0 5.8.0 | 8 5.0 | _5.7.0_ 1.2.5 | 4 4.5 | 6 4.8 | 3 2.4 | APPROX. | T, = (| 3842 | m# a 2.00 |
| | 11 | | | | | - | | | | | - , , , , , , , , , , , , , , , , , , , | |
| | 12 | | | <u></u> | | | | | | | | h 5 2 m |
| <u> </u> | <u> </u> | | | | | | MEAN = | 3 2.5 4 | Щ., | NG TIM | 1 1 | 5 2 A+ |
| | C OF | iputat | ION OF I | ISTANOE | ; (<i>M</i> aB-5 | 5-5)~ | (<i>M</i> B-5 | -6) | 1. 17 | | D | A - |
| | | | | | _ | | | | EAD | 8.0 ± | 5.0 5 6.0 | 57.0 0840 |
| | | | | a (B-8 | 5-6) - | 0 42 | 6 | | X III | 3.0 | l | mua |
| · | • | | | ـ ها | | 4 2 | 1 | | APPROX. READING II | T, = 9 | 03843 | |
| | | | | | | | | | | | | |
| | | | | | 1 a' - | 1 2 | 2 | | | _ | | KI<5) |
| | | | | 0.291D(H (B-5 | 1 | 448 | _ | | T'/10 | | | <2×104) .T-0) |
| | | | | H (B-5 | | 455 | 6 | | △T-7 | ,_ | - | m#s |
| | | | | | , | | ' | | _T | | 0 | |
| | | е | | n t | | | D | | т | - 0 | 38832 | .5 4 |
| e | · | +23.2 | ı . | +257 | (Km | I | 574 | | | • | | |
| ١. | | | | - | u | n - a | - 0.5 5 7 4.5 | 2 0 | | REM | ARKS | |
| | · <u> </u> | - 4.1 | - | + 99 | cos | α - | 0.999.9 | 25 | Tref | rument | | h t |
| B | _ | <u>- 0.0</u> | | | | $dD_1 =$ | 574.: - 0.4 | 4 1 | Tust | i mine n (| M | = 1.38 |
| 0 | - | 0.0 | | | <u>' </u> | dD ₂ - | F 7 | | | | К | - 1,38 |
| e | - | 1 % 0 | n' | - 0.3 5.6 | 1 | s - | 57 3.1 | 8 5 | | | | |
| L | | | | | | 1 | • | | 1 | | | |

SURVEY STATION MB5-7 (MASTER: M3, INSTRUMENT)

MB5-8 (REMORTR: M2. INSTRUMENT)

| | Ка | OAYITY | A + A - | A+1-(·A-) U | A + R A - R | (A+R);; (A-R) | (U+V):/2 W | ₩ 2+50 | м | (tc) | (tc') | 0 rystal temp÷ erature |
|------|-------------|---------|-----------------------|----------------|---------------------------------------|------------------|-------------------------------|-----------|----------|--------------------|---------------|------------------------------|
| | 1 | 2.0 | 4 0.0 6 3.5 | 7 6.5 | 63.0 13.0 | 5 0.0 | 632 | 31.6 | I | 3 5.0° | 2 5.5 | |
| | 2 | 4.0 | <u>3 9,5</u> 7 | 7 5.5 | 6 5.0 1 5.0 | 50.0 | 6 2.8 | 31.4 | н | 3 5.0 | 2 4.0 | |
| | 3 | 6.0 | <u>3 9.0</u> 6 3.0 | 7 6 0 | <u>64.0</u> 15.0 | 4 9. 0 | 6 2.5 | 3 1.2 | MEAN | 3 5.0 | 2 4.8 | |
| D X | 4 | 8.0 | 3 9.0 6 3.0 | 7 & 0 | 6.3.0 | 4 9.0 | 6 2.5 | 312 | tc-tc' | 10.2 | dp | EE H9 |
| ADI | 5 | 10.0 | 7.00 | 7 6 0 | _ 6 4.0 _ 1 4.0 | 5 0.0 | 63.0 | 315 | | , | L | ' |
| 田田田 | 6 | 1 2.0 | 320 625 | 7 & 5 | _630 135 | 4 9. 5 | 6 3.0 | 3 1.5 | BEGIN | NING TIM | E 14 | 2 1 ^m |
| 田田 | 7 | 1 4.0 | 3 8.5 6 2.0 | 7 6 5 | 6 4.0 1 5.0 | 4 9. 0 | 6 2.8 | 3 1.4 | A D | + A- | - A+ | A+ A- |
| RA | 8 | 1.60 | 3.8.0_ | 7 6.5 | _63.0 _15.5 | 4 7.5 | 6 2.0 | 310 | 4 | 0.0 | | |
| AOOU | 9 | 1 8.0 | 615 390 620 | 7 7.0 | 625 15.0 | 4 7.5 | 6 2.2 | 311 | 2,0 | 8.5 8 1.5 3.2 | | 5 8 3.0 5 7 7.0 |
| ¥ | 10 | 20.0 | 3 8.5 6 3.0 | 7 5.5 | 6 3.0 | 4 8.5 | 6 2.0 | 3 1. 0 | APPROX. | T ₁ = 0 | l D | .50 |
| | 11 | | | | | | | <u> </u> | ¥ | | . | |
| i | 12 | | | | | | | | | ١, | | |
| | | | | | · · · · · · · · · · · · · · · · · · · | | mean = | 31.29 | ENDIN | G TIM | 14 | 5 7 |
| | 001 | PUT AT | ION OF D | B-5 | -8 | 0 t | • | 5~8 } | READING | 9.0 | .0 3.5 | A 6 62.0 |
| | | | | a (~B-; | - | | 5 | | APPROX. | T, = 0 | 3 3 3 8 | n4e .50 |
| | | | | 0.29 | a' - | 15 9 | | | К | _ | | |
| | | | | 0.291D(1 | | 7 ^m 9 | 9 | | T'/107 | l. | | [KI<5} <2×10⁴) |
| | | | | H (B-5 | · | | B | | ΔT-π | - | | ΔT-0 } |
| | | | | H (B-5 | -8 /- | 448 9 | 9 | | T' | | 0 | ±49 • |
| | | e | | n / | | | D | | T | - 0 | 3 3 3 1 | 29 |
| e ' | - [. | + 2 3.2 | | +25 | 5 (Km) | | 4 9 9. ^m 5 0. 1 | | | | | |
| A | - | - 5.1 | <u> </u> | + 94 | D | n - | 499.1 | 8 | | REMA | RKS | |
| В | - | - 0.1 | □ □ | | D co | 1 | 499.1 | | Inst | rumen t | - | |
| O | - | - 0.0 | n' 103_ | | | dD ₁ | 0.0 | | | | M R | -138 -138 |
| е | - | 1 8,0 | n '- | 0.34 | 9 | a - | 4920 | 8 | | | | |
| | | | | | | | | <u> </u> | <u> </u> | | | |

 $\frac{\cancel{\%} \quad B \ 5 - 9}{\cancel{\%} \quad B \ 5 - 8} \quad (\text{MASTER}; \ \% \ 3. \ \text{INSTRUMENT})$ SURVEY STATION $\frac{\cancel{\%} \quad B \ 5 - 8}{\cancel{\%} \quad B \ 5 - 8} \quad (\text{REMORTR}; \ \% \ 2. \ \text{INSTRUMENT})$

| | Ма | CAVITY | A + A - | A+1~(A-) U | A + R A - R | (A+R)- (A-R) | (U+V)/2 W | ₩ 2+50 | м | Drybulb (tc) | Wetbult | 0 rystal temp- erature |
|--------|----------|--------|----------------------|--------------------|--------------------------|-------------------------|----------------|-----------|-----------------|-------------------|----------------|------------------------------|
| | 1 | 2.0 | 4 7.0 5 8.0 | 8 4.0 | 5 9.0 9.0 | 50.0 | 67.0 | 3 3.5 | I | 3 4.5 | 2 2.0 | CIAMIC |
| | 2 | 4.0 | <u>425</u> 520 | 8 3.5 | <u>60.0</u> 10.0 | 50.0 | 6 6 8 | 3 3.4 | н | 3 5.D | 23.0 | |
| | 3 | 6.0 | <u>420</u> 520 | 8 3.0 | _ 6 0.0 _ 2.0 | 5 1.0 | 67.0 | 3 3.5 | MEAN | 3 4.8 | 2 2.5 | |
| L N G | 4 | 8.0 | <u>410</u> 580 | 8 3.0 | <u> 590</u> 100 | 4 9. 0 | 660 | 3 3.0 | tc-tc' | 123 | dp | на Н9 |
| READI | 5 | 1 0.0 | <u>40.5</u> 58.0 | 8 2.5 | <u>60.0</u> 9.5 | 50.5 | 6 6.5 | 3 3.2 | | | | |
| | 6 | 1 2.0 | <u>410</u> 575 | 8 3.5 | _ <u>5,80</u> _ 1,0.0 | 4 9. 0 | 662 | 3 3.1 | BEGIN | TIM | | h 5 8 m |
| A T E | 7 | 1 4.0 | <u>40.5</u> 5.70 | 8 3,5 | _5.20 | 4 9. 5 | 6 6.5 | 3 3.2 | DNI A | | $\frac{h}{D}$ | A+ A- |
| OURATE | 8 | 1 ፈ 0 | 400 560 | 8 4.0 | _5.7.5 | 4 8.5 | 6 6.2 | 3 3.1 | | 3.0 0.0 2 7. | 0 8 9.0 | 5 8.0 |
| AO C | 9 | 1 8.0 | <u>4.0.0</u> 56.5 | 8 3.5 | | 49.0 | 6 6.2 | 3 3.1 | | 3.0 1 ፊ | l | 8 5.0 |
| | 10 | 20.0 | <u>410</u> 570 | 840 | _ <u>5.8.0</u> 8.5 | 4 9.5 | 6 6 8 | 3 3.4 | APPROX. | T1 = | 0154 | m# e 2.5 0 |
| | 11 | | | | | | | | | | | |
| | 12 | | | | | <u> </u> | | | | | - | h |
| | | | | | | | MEAN = | 3 3.2 5 | <u> </u> | G TIME | 15 | h m: |
| | COF | 1PUTAT | ION OF I | ISTANCE | (MAB - ! | 5-9)~ | (16B- | 5-8) | J 7 | + A+ 0 | A+ D | A+ A- |
| | | | | | | | | | TATE O | 0.0 30 1.5 1 1 | | 0 5 7.0 5 8 4.5 |
| | | | | a (B-B) | 5-8, | 1 49 4 | 4 " | | APPROX. READING | T, = (|) 1542 | 14 e 2.2 5 |
| | | | | a ' | - | 109 | , ~ | | AP | | | |
| | | | | | a' - | | 7 | | K | _ | (| IKI<5) |
| | | - | | 0.291D(H (B-5 | | 7 ^m 4 4 8 | | | T'/107 | · | (Т | <2×10 4 |
| | | | | H (B-5 | 5-9)= | | 6 | | ΔT=π | | | ΔT⊶()) nμs |
| | | | | | ' | | · | • | T' | | 0. | • |
| | | e | | n ' | | | D | | T | _ | 1533 | .25 |
| e | , | +20.2 | | + 2 5 5 | (Km) | Do - | 2 2 9. | 3 3 | | , | | |
| A | | - 62 | | + 72 | " | n D - | 0.0 2 2 9.7 | 8 | | RMM | ARKS | |
| ĺ | \vdash | - 0.2 | | ļ | cos | α - | 0.9 9 9. 4 | 97 | Inst | ument | · | † |
| B | | | | | Dcos | α - dD ₁ | 229.6 0.0 | | | apro II t | М | - 1.38 |
| | _ | - 0.0 | | | | dD _t - | | | | | А | 1.38 |
| е | - | ` 13.8 | n'= | 0.327 | | • - | 229.6 | 1 | | | | |
| | | , | | | | | | | <u> </u> | | | |

 $\frac{\text{MB5-10}}{\text{MB5-11}} \text{ (MASTER; M3. INSTRUMENT)}$ SURVEY STATION $\frac{\text{MB5-11}}{\text{MB5-11}} \text{ (REMORTR; M2. INSTRUMENT)}$

| | Ма | YTTVAC | A + A - | A+1~(A-) U | A + R A - R | (A+R)- (A-R) V | (U+V)/2 W | W +50 | М | Drybult (tc) | Wetbult (tc') | Orysta temp- erature |
|--------|---------|----------|-----------------------|---------------|---------------------|----------------------|------------------|------------------|-------------|---------------------------------------|------------------|--------------------------------|
| | 1 | 2.0 | 4 6.5 5 6.0 | 9 0.5 | 5 7. 0 8. 0 | 4 9.0 | 6 9.8 | 3 4.9 | I | 350 | 2 4°5′ | |
| | 2 | 4.0 | 4 7.0 5 7.5 | 8 9.5 | 5 7. 0 7. 5 | 4 9.5 | 69.5 | 3 4.8 | н | 355 | 230 | |
| | 3 | 6.0 | 4 7. 0 5 8. 0 | 8 9. 0 | 5 8.0 8.0 | 5 0.0 | 6 9.5 | 3 4.8 | MEAN | 352 | 238 | |
| N G | 4 | 8.0 | _4.6.0_ 5.7.0 | 8 9. 0 | _5.7.5_ 7.5 | 5 0.0 | 6 9.5 | 3 4.8 | tc-tc/ | 1 1.4 | dp | naH? |
| ADI | 5 | 100 | _4.5.0_ _5.6.5 | 8 8.5 | _5.7.5_ | 50.5 | 6 9. 5 | 3 4.8 | | | | |
| RE | 6 | 1 2.0 | 4 & 0 5 7.0 | 8 % 0 | <u>5 8.0</u> 7.5 | 5 0.5 | 6 9.8 | 3 4.8 | BEGIN | DAING TIM | | 3 7 |
| EL | 7 | 1 4.0 | <u>4 7.0</u> 5 8.0 | 89.0 | <u>5 8,5</u> 8.0 | 5 0.5 | 6 9.8 | 3 4.9 | A B | + A+ | $\frac{A+}{D}$ | A+ A- |
| OURATE | 8 | 1 6 0 | 4_7.5 5_7.5 | 9 0.0 | <u>5 7.0</u> 7.0 | 50.0 | 7 0.0 | 3 5.0 | 병 4 | 6.0 1.0 8 7. | 0 63.0 | 5 & 0 |
| A 0 0 | 9 | 1 8.0 | 4 <u>8.0</u> 5.8.0 | 9 0.0 | <u>57.0</u> 65 | 5 0.5 | 7 0.2 | 3 5.1 | | 5.0 5 % | | 900 |
| | 10 | 200 | <u>4 8.5</u> 5 8.0 | 9 0.5 | <u>5 7.5</u> 7.0 | 5 0.5 | 7 0.5 | 3 5.2 | APPROX. | T, = 6 |) 5845 | μa 5.00 |
| | 11 | | | | | | | | AP. | | | |
| i | 12 | | | | | | | | | | | |
| | | | | | | | mean = | 3 4.9 2 | ENDI | O TIM | g 15 | 5 2 m |
| | 001 | TA TÜTEN | ION OF I | DISTANCE | (16B-5 | - 1 O) ~ | . (MaB- | 5-11) | A D B | + <u>A</u> + | <u>A+</u> D | <u>A+</u> A- |
| | | | _ , _ , | | · | · | • | | Id A | 8.0 2.0 9.0, | 5 6 5.0 | 5.8.0 |
| | | | | a (B-5- | -11, | o | 1 1 | | | | 5 83.0 | 9 0.0 |
| | | | ~ | " \~B-! | 5-10'- | 0 20 | 5 | | PRO | T, = 0 |) 5 8 4 5 | μ _θ .00 |
| | | | | a' | | 2 0 | 1 1 | | Y V | · · · · · · · · · · · · · · · · · · · | | |
| | | | | 0.291 | a' - | 5 | 8 | | | 1 | | |
| | | | | 0.291D(1 | | | m 1 | | T'/107 | · - | | .KI<5) <2×10 ⁴) |
| | | | | H (B~5~ | ļ | 436 | | | ΔT-π | - | (4 | (O-Tz |
| | | | | Н (8-5- | 11) | 441 | 7 | | T' | | • | μa |
| | | | | n ' | | | Ď | | | | 5 8 3 4. | |
| | <u></u> | e | \neg | n. | | | | , | Т | - " | 5054, | 7 2 |
| e / | - | +219 | I - | +255 | D (Km)D | n – - | 8 7 4.06 0. 3 | | | | | ĺ |
| A | - | - 5.7 | T - | + 83 | cos | D - α - | 874.3 0.999.9 | | | REMA | ARKS | |
| В | - | - 0.2 | | - 0 | D co s | α - | 874.3 | 2 | Instr | ume n t | heigh | t 1.38 |
| σ | - | - 0.0 | n' 103 - | - 3 3 8 | | dD ₁ - | 0.0 | 6 | | | M : R : | _ 1.38 _ 1.38 |
| e | _ | 160 | n /- | ļ | | s - | 8 7 4.2 | 6 | | | | |
| | , | | ı | , | , | J | | i | | | | |
| Щ | | | ··- | | | | ······ | | 1 | | | |

M. B5-12 (MASTER; M3, INSTRUMENT) SURVEY STATION M B5-17 (REMORTR; M2, INSTRUMENT)

| | М | CAVITY | A + A - | A+1~(A-) U | A + R A - R | (A+R)- (A-R) | (U+V) /2 W | $\frac{\overline{W}}{2}$ +50 | м | Drybulb (t c) | Wetbulb (tc') | Orystal temp- erature |
|------|----------|--------|----------------------------|---------------------|---------------------|-------------------|-------------------------|------------------------------|--------------|--------------------|------------------|-----------------------------|
| | 1 | 2.0 | 7 5.5 | 4 5.5 | <u>31.0</u> 81.5 | 4 9.5 | 4 7.5 | 7 3.8 | I | 3 5.0 T | 2 4.0 | |
| | 2 | 4.0 | 7 4.0 3 0.0 | 4 4.0 | 30.0 81.0 | 4 9.0 | 4 6.5 | 7 3.2 | н | 3 5.5 | 2 3.5 | |
| | 3 | 6.0 | 7 4.0 3 4.0 | 4 4. 0 | 3 0.0 8 2.0 | 4 8.0 | 4 6.0 | 7 3.0 | MEAN | 3 5.2 | 2 3.8 | |
| ING | 4 | 8.0 | 7 <u>3.5</u> 2 9.5 | 4 4.0 | 30.0 81.0 | 4 9. 0 | 4 6 5 | 7 3.2 | tc-tc | 1 1.4 | dp | ва Но |
| AD | 5 | 100 | 7.4.5 3 0.5 | 4 4.0 | 3 0.0 8 2.0 | 4 8.0 | 4 6.0 | 73.0 | | | | |
| RE | 6 | 1 2.0 | 7 5.0 3 1.0 | 4 4.0 | 30.0 81.5 | 4 8.5 | 4 6.2 | 7 3.1 | BEGIN | TIM | | 12 |
| E L | 7 | 1 4.0 | 7 4,0 3 0.5 | 4 3.5 | 29.5 81.0 | 4 8.5 | 4 & 0 | 7 3.0 | DNI(B | 0 | <u>A+</u> | A+ A- |
| URA | 8 | 1 60 | <u>73.0</u> 310 | 4 2.0 | 3 0.5 8 2.0 | 4 8.5 | 4 5. 2 | 7 2.6 | | 5.0 0.0 3 1 | 5 6 8.0 | 2 9. 5 |
| AGGU | 9 | 1 8.0 | 7 3.5 3 0.5 | 43.0 | 3 1.0 8 2.0 | 4 9.0 | 460 | 7 3.0 | U o | 5.0 4 3. | 5 0 7.0 | 4 5.5 |
| | 10 | 20.0 | <u>74.0</u> <u>31.0</u> | 4 3.0 | <u>30.0</u> 81.5 | 4 8.5 | 4 5.8 | 7 2.9 | A.P. P.ROX | T, = 0 | | μe 75 |
| | 11 | | | | <u></u> | | | | 4 | | | |
| | 12 | | | <u> </u> | | | | | | | | |
| | | | | | | | MEAN= | 7 3.0 8 | Ц | NG TIM | | h 24 m |
| | COF | IPUTAT | ION OF I | ISTANCE | (MB - 9 | 5-12)~ | (MB - ! | 5 11) | DNI A | +_ | $\frac{A+}{D}$ | A+ A- |
| | | | | | | | | | 日 ユ | 5.0 1.0 3.3 | | 3 0.0 3 4 5.0 |
| | | | | a (B-5 | -11)- | 0 4 | 7 0 | | | 4.0 4 1 | 100 | μ _θ |
| | | | | | - | | | | APPROX | $T_1 = 0$ | 4072. | 50 |
| | | | | a' | - | 4 | 7 0 | | | ~ | | |
| | | | | | a' - | 1 | | | K | | (I | KI<5} |
| | | | | 0.291D() H (B-5) | - 12)- | | 8 ^m 4 4 8 | | T'/10 | | | < 2×1 0 ⁴) |
| | | | | н (B-5 | -11 }- | 4 4 | 6 4 | | ΔT=π | | | T-0) |
| | | | | | • | | · | | T Z | | 0. | |
| | | е | | n ' | | | D | | T | - 0 | 4073. | 0.8 |
| e | <u>-</u> | +219 | | +255 | (Km | Do - | 61 D. | 5 4 | | | | |
| | - | | | 1233 | <u>,</u> D | n - D - | - 0.2 610. | | | REM | ARKS | |
| A | - 1- | - 5.7 | | T 83 | | sα - | 0999 | 907 | | | | |
| В | \vdash | - 0.2 | | | === | $dD_1 =$ | 61 Q. - Q. | 2 7 0 4 | Instr | umen t | м - | 1.38 |
| 0 | - | - 0.0 | | ļ | | dD _t - | | | | | R = | 1.38 |
| е | - | ንል የ | n'. | 0.338 | | s - | 61 D. | 2 3 | | | | |
| | | | | | | | | | | | | |

SURVEY STATION $\frac{\text{M B5}-13}{\text{M B5}-14}$ (MASTER: M.5, INSTRUMENT)

| | 16. | OAVITY | A + | A+1~(A-) | A + R | | ₹) - -R) | (U+V)/2 | ₩ +50 | м | Drybult | Wetbulk | Crystal temp- |
|-----|-----|-----------|-----------------------|---------------------------|----------------|------------|------------------------|-----------------------|------------------|--|--------------------|-------------|------------------|
| - | | | A ~ 9 7. 0 | U | A - R | V | | W | 2 700 | | (tc) | (tc') | erature |
| | 1 | 2.0 | 9. 0 | 8 8. Q | 6 0.0 | - 4 9. | 0 | 6 8. 5 | 8 4. 2 | I | 3 4.0 | 2 3.0 | |
| | 2 | 4.0 | 9 7. C 9. C | 8 8.0 | 8. 5 5 9. 0 | _ 4 9. | 5 | 68.8 | 8 4.4 | H | 3 2.0 | 2 2.0 | |
| | 3 | ۵۵ | 9 8. 0 9. 0 | 8 % 0 | 9. 0 5 9. 5 | - 4 9 | 2. 5 | 6 % 2 | 8 4.6 | MEAN | 3 3.0 | 3 2.5 | |
| ING | 4 | 8.0 | 9 7. 0 9. 0 | 8 8.0 | 9. 0 6 0. 5 | - 4 8 | 3. 5 | 6 8. 2 | 8 4. 1 | tc-to | | dp | en H 9 |
| AD | 5 | 1 0.0 | <u>9 8, 0</u> 8, 5 | 8 9. 5 | 8. 5 6 0. 0 | 4 8 | | 69.0 | 8 4. 5 | | | <u> </u> | |
| RE | 6 | 1 2.0 | 9 6.0 | 8 7. 0 | 9. 0 6 0. 0 | - 49 | | | 8 4.0 | BEG | NNING TI | ME 16 | h m |
| 五日 | 7 | | 9. 0 9 7. 0 | | 9.0 | | | 6 8.0 | | | A+ A | + A+ | A+ |
| RA | 8 | 1 4,0 | 8. 0 9 & 5 | 8 2 0 | 5 9, 5 8. 0 | 4 9 | . 5 | 6 9. 2 | 8 4.6 | 11 i i i i i i i i i i i i i i i i i i | B 0 | D | A - |
| ΩO | | 160 | 7. 5 9 7. 0 | 8 9. 0 | 5 % 0 7. 5 | 4 9 | . 0_ | <u>690</u> | 8 4.5 | A L | 9.0 69 | | |
| ΑO | 9 | 1.8.0 | 8. D 9 6. 5 | 8 % 0 | 5 8. 5 8. 0 | 4 5 | 2.0 | 69.0 | 8 4.5 | OX. | 77.0 27 | ı |] |
| | 10 | 2 0.0 | 7. 5 | 8 9. 0 | 5 9.0 | 4 9 | 0 | 6 9. 0 | 8 4.5 | APPROX. | T, = 0 | 2593 | ue .501 |
| | 11 | | | | | _ | | | | | ··· | | |
| | 12 | | | | | - | | | | | | | |
| | | | | | | | Ŋ | MEAN = | 8 4.3 9 | ENDI | NG TIM | e | h m |
| | an | rotten Am | ION OF D | T COM A MOVE | I M.D. | 5 - 4 Z \ | | / ASB = 5 | _1 (1) | | A + A B C | + <u>A+</u> | - A+ |
| | COM | POTAT. | LON OF D | TOLYMOR | (//a.b.= | 5- (5) | ~ | (7/411) - 3 | - (4) | H | 7.0 | | |
| İ | | | | n c | 44 [| | | | | | 9.0 7 1 8.0 2 6 | | 8 8.5 |
| | | | | a (^{B-5} ∼B- | 5-13 | - 0 | o 5 | 9 8 | | ğ | } | , } | μa |
| | | | | | - | | | | | APPROX. | $T_1 \approx 0$ | 2594 | |
| | | | | a' | - | | 5 | 9 1 | | | | | |
| | | | | | 14'- | | 1 | 7 2 | | K | : -[| (1) | KI<5) |
| 1 | | | | 0.291D() H (B-5 | | | 4 6 | 6 ^m 7 | | T'/10 | 7_ | | √ 2×10 ⁴ |
| | | | | • | · | | | | | △T-7 | ٢ - | (△ | T~0) |
| | | • | | H (B-5 | -13- | | 4 6 | 8 0. 8 | | | '- | m#s | |
| | | | | | | | | | | ΔT | | 0. | |
| | | е | | n / | | | | D | | T | - 0 2 5 | 8 4.3 9 | |
| e ' | - | 2 0.2 |] I - | 2 5 | 7 (Kn | n = | | 3 8 7 <u>.º</u> 0. | 5 9 1 3 | | | | |
| A | -[| 5.3 | , - | 7 | , | – q | | 387 0.9998 | | | REMA | RKS | |
| В | - | 0.1 | | 3 3 | | os α= | | 387 | - | Inst | rument | | |
| O | - | 0 | n' 16 3- | | | dD₁ - | | | 03 | | | M R | = 138; = 138 |
| e | - | 1 4.8 | n '- | | [| 8 - | | 387. | 1 7 | | | | |
| | | | | | | | | | | | | | |

SURVEY STATION $\frac{\cancel{M} \quad B-6}{\cancel{M} \quad B-1}$ (MASTER: \cancel{M}_3 , INSTRUMENT)

| | | T 1 | | | | (A+R)- | | 777 | | | 77 - 4 h - 1h | Orystal |
|-------|-------------|-----------------|-------------------------|---------------------|------------------|---------------------------|---------------------|-----------|----------------|--------------------|--------------------|------------------------------|
| | К | OĄĄTITĄ | A + A ~ | A+1~(A~) U | A + R A - R | (A+R) V |) (U+V) /2 | ₩ 2+50 | М | Drybulb (tc) | wet builb (tc') | temp- erature |
| | 1 | 2.0 | 4 0.5 6 3.5 | 7 7. 0 | 6 4.5 | 4 8, 5 | 6 2.8 | 3 1.4 | I | 3 2.5 | 2 5.0 | |
| | 2 | | 4 0.0 | | 6 5. 5 | 4 7. 5 | 6 1.8 | 3 0.9 | H | 3 4.0 | 2 6.0 | |
| | 3 | 4.0 | 6 4.0 4 0.5 | 7 6 0 | 6 4.5 | | | | MEAN | <u> </u> | 2 5.5 | |
| 0.1 | 4 | 40 | 6 4.5 3 9.5 | 7 6.0 | 1 8.5 6 5.0 | 4 6.0 | 610 | 3 0. 5 | tc-tc | 3 3.2 7.7 | 2 5.5 dp | na Ho |
| NIG | 5 | 8.0 | 6 5. 0 4 1. 5 | 7_4.5 | 1 7. 0 6 5. 0 | 4 8.0 | | 306 | | 1./ | | |
| REA | - | 1 0.0 | 6 4.5 4 1.5 | 7 7 0 | 1 6.5 6 5.0 | 4 8.5 | 6 2.8 | 3 1.4 | BEGII | | 1E 11 | h 51 m |
| 田田 | 6 | 1.2.0 | 6 4.5 | 7 7.0 | 1 7. 0 6 5. 0 | 4 8.0 | 6 2.5 | 3 1. 2 | A | TIN + | | A+ |
| AT | 7 | 1 4,0 | 6 4. 5 | 7 6 5 | 1 7. 0 6 5. 0 | 4 8.0 | 6 2. 2 | 3 1.1 | READING I | 1.0 | D | A |
| OURAT | 8 | 1 6.0 | 6 4.5 | 7 6.5 | 1 & 5 | 4 8. 5 | 6 2.5 | 3 1. 2 | TYEE 2 | 2.0 3 8 | .0 7.0 | 6 4.0 |
| A 0 C | 9 | 1 8.0 | <u>4 1. 5</u> 6 5. 0 | 7 6.5 | 6 5.0 | 4 8. 5 | 6 2.5 | 3 1. 2 | 1 | 80 0 3 | .0 3 4.0 | 7 7.0 |
| | 10 | 2 0.0 | 4 1.5 6 4.5 | 7 7.0 | 6 4.5 1 6 5 | 4 8. 0 | 6 2.5 | 3 1, 2 | APPROX. | T ₁ = 1 | 2033 | т и в 850 |
| | 11 | | | | | | | | A | | | |
| | 12 | , | | | | | | | | | | |
| | | | - | | | | mean = | 3 1.0 7 | ENDI | NG TIM | E 11 | h 58 m |
| | 000 | ATM ATM | ION OF D | TOWNNOW | 1 16 R | - 6) - | - (16 B | - 1) | | + A- | + <u>A</u> + | A+ A- |
| | 400 | AFU LAT | TOM OF D | TOTAMOR | (nu | - 0 , - | - (<i>m</i> a - 1 | - , , | IQV 42 | 1.0 1.0 3.8 | 1 | • |
| | | • | | a (B - 1 | ا ~ √ ا | 0 | | | 围 一 | 0.0 0 3 | | |
| | | | | " (В- | -6 ,- - | 0 17 | · | • | PROX | ' | | m/le |
| | | | | a ' | _ [| | | | A.P. | $T_1 = 1$ | 2033 | 8.5 0 |
| | | | | | | 17 | | | ļl | | | - |
| | | | | 0.29 0.29 1D(| Km) - | <u>5</u> 93 | 2 m ₈ | | Κ Τ'∕10 | 7_ | | KI< 5) <2×10 ⁴ |
| 1 | | | | н (в- | 1)- | 589 | 1 | | Δ <u>T</u> =π | | (△ | T-0) |
| | | | | 出 (s - | 6)- | 496 | 1 | | T | '- | • | 18 |
| | | | | | | | | | ∠T. | | 0. | |
| | | · e | | n' | | | D | | Т | 1 2 0 | 3 3 1.0 | 7 |
| l e | ,_ [| | | - | _ |) Do- [| 18037 | | | | • | |
| A | - | + 24. | <u>-</u> - | 257 | D D | n- D- | 18030 | .53 | | RE | MARKS | 3 |
| | - | - 3.3.9 | 9 ' | 105 | ; с | osα= | 9999 | l l | T = - : | | | <u> </u> |
| В | - | - 0. | <u>1</u> H · | - c | Do | osα= dD ₁ = | 18030 | | Inst | r ume n t | М | -1.38 |
| ٥ | - | - 0 | n'103. | 362 | 2 | dD; → | | . 6 7 | | | R | -138 |
| e | - | 2 0. | 2 n '. | 0362 | · . | s - | 18028 | .7 5 | | | | |
| | | | | | | | | | | | | |

SURVEY STATION $\frac{\cancel{M}}{\cancel{B}-3}$ (MASTER; $\cancel{M}3$, INSTRUMENT)

| | | 7 | | ` | · | , | | | | | |
|-------------|-------------|-----------------------|---------------|---|-------------------------|--------------|-------------------|-------------|----------------|-----------|--------------------------------|
| М | CAVITY | A + A - | A+1-(A-) U | A + R A - R | (A+R) (A-R) V | (U+V)∕2 W | $\frac{W}{2}$ +50 | М | Drybulb | Wetbulb | Orystal temp= erature |
| 1 | 2.0 | 17.0 | 3 & 0 | 8 3.0 3 3.0 | 5 0.0. | 4 3.0 | 2 1 5 | I | 345; | 2 6.5 | |
| 2 | 4.0 | 1 8.0 8 0.0 | 3 8, 0 | 7 9. 0 3 1. 0 | 4 8.0 | 4 3. 0 | 2 1. 5 | н | 3 4.5 | 2 60 | |
| 3 ' | 6.0 | 2 <u>6.0</u> 7 9.0 | 4 7. 0 | 8 4. 0 2 9. 0 | 5 5.0 | 5 1.0 | 2 5.5 | MEAN | 3 6.0 | 2 6.2 | , |
| 4 | 8.0 | 2 5.0 8 3.0 | 4 2 0 | 8 2.0 3 4.0 | 48.0 | 4 5.0 | 2 2 5 | tc - tc/ | 9.8 | dp | xx H s |
| 5 | 1 0.0 | 2 1.0 8 2.0 | 3 9. 0 | 7 9. 5 3 1. 0 | 4 8. 5 | 4 3.8 | 2 1 9 | | | · 1 | |
| 6 | 1 2.0 | 2 1.5 7 9.0 | 4 2 5 | 7 % 0 3 4. 5 | 4 4.5 | 4 3.5 | 218 | BEGIN | TIL | OE 15 | 3 5 . |
| 7 | 1 4.0 | 2 5.0 1 8.0 | 4 7. 0 | 8 0.0 3 2.0 | 48.0 | 4 7. 5 | 2 3.8 | Ī | | - A+ D | A+ A- |
| 8 | 1 6.0 | 2 4. D 7 9. O | 4 5.0 | 7 8.0 3 8.0 | 4 0.0 | 4 2.5 | 212 | | 45 90 1 4 | 0 60 | 790 |
| 9 | 1 8.0 | 2 6 0 8 0 0 | 4 & 0 | 7 9. 0 | 4 5.5 | 4 5.8 | 2 2.9 | - | 7.5 0 0 | | |
| 10 | 2 0.0 | 2 2.0 7 9.5 | 4 2.5 | 7 7 0 | 4 1. 0 | 4 1.8 | 20.9 | | $T_1 = 3$ | 0118. | ú.a 5 0 |
| 11 | | | | | | | | | | | |
| 12 | | | | | | | | | | | |
| | | | | | 1 | MEAN - | 2 2.3 5 | ENDIN | G TIM | 15 | 1 5 0 · ⁿ |
| O OM | ሞ(ፓጥልጥ) | ION OF D | ISTANCE | (Na B - | 6)~ | (16a B | - 3) | A P | + A+ | A+ D | A+ A- |
| - | | | | | • | - | · | | 2.0 1.0 2 1 | 8.0 | 8 0.0 |
| | | | . 19 | , . $ egin{array}{cccccccccccccccccccccccccccccccccccc$ | • | | | 3 | 1.0 0 1 | 0 1,4.0 | 4 2.0 |
| | | | a (B - 6 | 3 - | · 1 3 | 3 3 4 | | | T, = 3 | | 8 B |
| | | • | a i | - | 63 | . 6 | | | 11 | | |
| | | | 0.2 9 1 | a '- | 1 8 | | | K | _1 | (170 | (I<5) |
| | | | 0.291D(K | I - | | | | T'/O' | | | <2×10 ⁴ |
| | • | | н (в- | <u> </u> | 4 3 6 5 2 0 | | | ΔT=π | - | | T-0) |
| | | | H (B- | ا 🗝 (| 321 | ۲ ۲۱ | | T' | | 0. | |
| | e | | n' | | | D | | | | · | |
| <u> </u> | | _ | | | | | 20 | T | - 301 · | 2 2.3 5 | • |
| e ' | + 25. | 2 I - | 2 5 | ، طا | n 🖚 | | .61 | | | | |
| A - [| - 4. | 93 | 10 | 3 cos | D [†] - | 4513 9998 | | | REM. | Ņ RK S | |
| в - [| – 0. | 1] #- | | 0 Dcos | α – | 4512 | .8 5 | Insti | ument | | |
| 0 - | - 0 | n'103 - | 3 5 | | D ₁ - | 0 | .31 | | | | - 1.38 - 1.38 |
| e _ | 2 0. | 2 n '= | 035 | 7 | 3 - | 4512 | .5 4 | | | | |
| , | | , | • | • | ' | | • | | | | |
| | ·· | | | ·· · · · · · · · · · · · · · · · · · | | | | | | | |

| | Ка | CAVITY | A + | A+1 - (A-) | | (A+R) (A-R | 1 10 | ₩ 2+50 | м | | Wetbulb | Orystal temp- |
|-----|-----------|----------------|-----------------------|----------------------|---------------------------------------|------------------|------------------------|-----------|---|--------------------|-------------------|--------------------------------|
| - | | | A - 9 6.5 | U | A - R 1 1 0 | | ' W | 2 | - | (tc) | (tc') | erature |
| | 1 | 2.0 | 1 0.5 | 8 6.0 | 6 0.5 | 5 0. 5 | 6 8. 2 | 8 4.1 | I | 2 8.0 | 2 3.5 | |
| | 2 | 4.0 | 9 6 5 | 8 5.5 | 6 O. O | 5 0.5 | 6 8.0 | 8 4.0 | н | 2 8.5 | 2 4.0 | |
| | 3 | 6.0 | <u>9 6 5</u> 9 5 | 8 7. 0 | 9. 5 5 9. 5 | 5 a. 0 | 6 8.5 | 8 4.2 | MEAN | 2 8.2 | 2 3.8 | |
| NG | 4 | 8.0 | <u>9 4.5</u> 1 0.0 | 8 4. 5 | 1 1. 5 6 0. 5 | 5 1.0 | | 8 3.9 | tc-tc/ | 4.4 | dp | mmH 9 |
| ADI | 5 | 1 0.0 | 9 2.5 | 8 0. 5 | 1 2.5 | 5 1.0 | | 8 2.9 | | | | |
| RE/ | 6 | 1 2.0 | 9 2.5 | 8 0. 0 | 1 3.0 6 2.0 | 5 1.0 | | 8 2.8 | BEGIN | NING TIM | 9 l | 5 3 m |
| 闰 | 7 | 1 4.0 | 9 2.5 | | 1 4.0 | | 1 | | 1 - | + A+ | - A+ | <u>A+</u> |
| RAT | 8 | | 9 2.5 | 7 9. 0 | 1 3.0 | 5 0.5 | | 8 2.4 | | 6.0 | D | A - |
| O U | 9 | 1 60 | 9 2.5 | 7 9. 5 | 6 3.0 1 2.5 | 5 0.0 | 6 4.8 | 8 2.4 | EA1 | | 0 5 8.0 | |
| ΑO | _ | 1.8.0 | 1 2.5 9 2.5 | 8 0.0 | 6 2.5 1 2.5 | 5 0.0 | 6 5.0 | 825 | | 8.0 8 1. | .0 3 8.0 .m/ | 1 |
| | 10 | 2 0.0 | 1 2.5 | 8 0.0 | 6 2, 5 | 5 0.0 | 6 5.0 | 8 2.5 | APPROX. | T, =0 | 8393 | 0 0 |
| | 11 | | | | | · | | | | | | |
| | 12 | | | | | · | | | | | | |
| | | · | | | | | mean = | 8 3.1 7 | ENDI | | | ^h 58 ^m |
| | g Oly | IPUT AT | ION OF D | ISTANCE | (<i>N</i> 6.0- | -2 } | ~ (16 Ö- | - 2 - 1) | ENG A | | $\frac{+}{D}$ | A+ A- |
| | | | | | • | - , | 、 | , | | 3.0 4.0 1_2 | .0 5 5.0 | 1 3.8 |
| | | | | a (160- | - A~_ [| 0 | | | = 0 ' | 2.0 8 1 | 0 3 8.0 | 8 0.0 |
| | | | | " (Mao | - 21- + | 5 14 | 4 7 | | A P PROX. | m — n | | uu e |
| | | | | a ' | _ | | _ | | APE | 11 — (| 08390. | .0 0 |
| | | | | | | 314 | | | - - | | | |
| | | | | 0.291 | | <u>91</u> 115 | | | K o | | | I<5) |
| | | | | 0.291D(I H (0 - 2 | | 433 | | | Τ'/10 ⁷ . ΔΤ-π. | * | | < 2×10 ⁴) T=0) |
| | | | | H (0 - | 2)- | 5 4 8 | 5 | | | - | <u>п</u> ие | 7-01 |
| | | | | | | | | | T' | | o. | |
| | | e | | n i | | | D | | T | 8 3 8 | 0.17 | |
| e' | | | - 1 | | (<u>K</u> m) | Do - | 1 2 5 d ^m 6 | 1 | | • | | |
| | + | 219 | _ ' - | + 261 | | n - | 0.4 | | | | | |
| A | <u> -</u> | 2.2 | | + 10 <i>6</i> | 5 60 | D - sα - | 1 2 5 6.1 9 9 5 8.1 | - 1 | | REMA | RKS | |
| В | <u>-</u> | 0.1 | | | | sα - | 1 2 5 0.8 | | Insti | ument | heigh | |
| σ | - | 0 | n'10 ³ = | 367 | j | dD₁ — i dD₂ — | 0.0 | 9 | | | - R | - |
| e | - | 196 | n'- | 0.367 | | 8 - | 1 2 5 0.8 | 0 | | | | |
| L | | ·_ | | | · · · · · · · · · · · · · · · · · · · | | | · | | | | |

SURVEY STATION $\frac{\cancel{M}}{\cancel{M}} = \frac{0-2}{1}$ (MASTER; \cancel{M} 3, INSTRUMENT) (REMORTR; \cancel{M} 2, INSTRUMENT)

| | М | CAVITY | A + | A+1~(A-) | A + R | (A+R) (A-R) | (U+V)/2 | ₩ <u>2</u> +50 | м | | Wetbulb | temp- |
|-----|------------|---------|------------------|----------|------------------|----------------|------------|----------------|----------------|-----------------------|-------------|---------------------|
| - | JIU. | CAVIII. | A - 2 0.5 | Ŭ | A - R 8 6 5 | V X | A | 2 | | (tc) | (tc') | eratūre |
| | 1 | 2.0 | 8 6.0 | 3 4. 5 | 3 6 5 | 5 0.0 | 4 2. 2 | 2 1.1 | I | 3 7. 5 | 2 7.0 | |
| | 2 | 4.0 | 2 0 0 8 6 0 | 3 4.0 | 8 6.5 3 6.5 | 5 0.0 | 4 2.0 | 210 | H | 3 6 0 | 260 | |
| - | 3 | 6.0 | 2 1. 0 8 4. 0 | 3 7. 0 | 8 4. 5 3 8. 0 | 4 6 5 | 4 1.8 | 20.9 | MEAN | 3 6.8 | 2 6 5 | |
| NG | 4 | 8.0 | 2 1. 5 8 5. 0 | 3 6. 5 | 8 3. 0 3 6 5 | 4 6.5 | 4 1. 5 | 2 0.8 | tc-tc' | 1 0.3 | dp | EMH9 |
| ADI | 5 | 1 0.0 | 2 2.5 8 3.0 | 3 9. 5 | 8 3.0 3 7.5 | 4 5. 5 | 4 2.5 | 2 1. 2 | | | | |
| RE/ | 6 | | 2 2.0 | | 8 3.5 | 1 - | | | BEGIN | NING TIM | 1 5 | 20 m |
| 臼 | 7 | 1 2.0 | 8 4.5 2 1.0 | 3 7. 5 | 3 6.0 8 3.0 | 4 7. 5 | 4 2.5 | 2 1. 2 | | + A+ | - A+ | A+ |
| RAT | <u> </u> | 1 4.0 | 8 4. 5 2 1. 5 | 3 7. 5 | 3 7. 5 8 3. 0 | 4 5.5 | 4 1 5 | 20.8 | READING | 1.0 | D | A - |
| OUI | 8 | 1 6.0 | 8 3.5 2 2.0 | 3 8. 0 | 3 7. 0 8 2. D | 4 6 0 | 4 2.0 | 2 1.0 | REA | 4.0 6 7. | 0 79.0 | |
| AC | 9 | 1 8.0 | 8 3.5 | 3 8.5 | 3 6.0 | 4 6.0 | 4 2.2 | 2 1 1 | | 7.0 5.4 | .0 4 2.0 | 3 5.0 |
| | 10 | 2 0.0 | 2 2.5 8 3.5 | 3 % 0 | 8 2.5 | 4 6.0 | 4 2. 5 | 2 1. 2 | APPROX | $T_1 = 1$ | 1541 | m#e 7.50 |
| | 11 | | | | | | | | AP | _ | | |
| | 12 | | | | | | | | | | | |
| | | | | | | • | mean = | 2 1.0 3 | ENDI | NG TIM | E 15 | 129 m |
| | | ···· | | | | | | | DE A | + A- | <u>A+</u> | <u>A+</u> A- |
| | COM | PUTATI | ON OF D | CSTANCE | (16 J - | 2) ~ | (M. B- | - 1) | 1 2 | 2.0 | | |
| | | | | | | | · | | 1 17 | <u>60 67</u> 60 55 | | 8 3.0 3 9.0 |
| | | | | a (B-1 |)-)- - 2 | 0 11 | 44 | | X II | 1 | | mµe |
| | | | | | | | | | APPROX | $T_1 = 1$ | 1541 | |
| | | | | a' | - | 1 1 | 7 | | 4 | | | |
| | | | | 0.291 | a '- | 3 | 4 | | K | - | | |
| | | | | 0.291D(K | | | m 8 | | T'/107 | | | KI<5 1 <2×10⁴) |
| | | | | H (B - | | 5 8 9 5 3 1 | 9 | | Δ T −π- | - | <u>(,</u> | ςT - 0) |
| | | | | H (C- | 2 1- | 331 | ' | | Т' | | • | 3 |
| | | | | | | | | | ΔT | - | 0. | |
| | | е | | n ' | | | D | | T | - 115 | 419.50 | י |
| e ' | - [| + 25.7 | , I - | 2 5 | 4 (Km |)Do = | 17301 6 | 吗 8 1 9 | | | | |
| A . | | - 5.2 | 2 | 10 | | D - | 17294 | | | REMA | RKS | |
| В. | _ | - 0.2 | 2 11 - | | | α - | 17294. | | Instr | une n t | heigh | t |
| σ. | | - 20 | - " | | | dD₁ – | | 60 | | | | -138 -138 |
| " | - - | | = | 3 5 | | dD, - | 17293 | 29 | | | | 0 |
| е • | - | | n / | 0.35 | 8 | s - | | - | | | | |
| Ļ | | | | | | <u> </u> | | | <u>L </u> | | | |

$\frac{\cancel{K} \circ - 2}{\cancel{K} \cdot \mathbf{E} - 3}$ (MASTER; $\cancel{K} \cdot \mathbf{3}$, INSTRUMENT)

| <u> </u> | | | | | | 14 | - | - 13 | n . | | | |
|----------|------------|-------------|-----------------|---------------|-----------------------------|-------------------|---------------------------------------|---------------------|------------|------------------|------------------|---------------------------------------|
| | 16 | OÁVIT | A + | A+1-(A-) U | A + R A - R | (A+R)- (A-R) | (U+V) /2 | $\frac{\%}{2}$ ÷ 50 | М: | Drybulb (tc) | Wetbulb (tc') | Orystal temp- |
| | 1 | , , | 9. 0 | | · 9 & 5 | _ \ | | | I | | | егаше |
| | | 1.2.0 | 9 5.0 7 9. 5 | 1 4.0 | 5 Q D 9 7. 0 | 4 6 5 | 3 0.2 | 1 5.1 | 1 | 3 2.0 | 2 5.0 | |
| | 2. | 4.0 | 9 4.5 | 1 3. 0 | 50.0 | 47.0 | 3 0.0 | 1. 5. 0. | Н | 3 1,5 | 2 5.5 | |
| 1 | 3 | 6.0, | 97.0 | 1 2.5 | 9 8. 5 5 0. 5 | 4 8.0 | 3 0.2 | 1 5.1 | MEAN | 3 18 | 2,5.2 | |
| ₩. | 4 | 8.0 | 1 0.0 | | 9 % 0 | _ | | | te-tel | | dp | maH9 |
| H | 5 | | 97.5 10.0 | 1 2 5 | 5 0.5 9 9.0 | 4 8.5 | 3 0.5 | 1 5.2 | , | 6.6 | | |
| READ | - | 10.0 | 9 8 0 1:0 5 | 1 '2.0 | 5 1. 0 9 8. 5 | 4 8. 0 | 3 0.0 | 1 5.0 | BEGIN | NTNA | 1 1 | 1 m |
| | 6 | 1 2.0 | 9 .8.0 | 1 2 5 | 5 0.5 | 4 8. 0 | 302 | 1 5.1 | | TIM | Ð | |
| 田田 | 7 | 1 4.0 | 980 | 13.0 | 9 8.5 5 1.0 | 4 7. 5 | 3 0. 2 | 1 5.1 | | + A+ | A+ D | A+ A- |
| FRA | 8 | | 1 1.5 | | 9 8.5 | | | | 1-3 | 8.0 | | |
| AOOUR | 9 | 160 | 9 8.0 1 1.5 | 1 3.5 | 5 1 0 9 8 0 | 4 7, 5 | 3 0.5 | 1 5.2 | | 0.0 7. | | 9 5.0 |
|].¥ | - | 1 8.0 | 97.5 115 | 1 4.0 | 9 8, 0 5 .0. 5 9 8. 0 | 4 7, 5 | 3 0.8 | 1 5.4 | l. 3 | .r o 0.8 | 0 3 8.0 | 1 30 |
| | 10 | 2 0.0 | 9 7. 5 | 1 4.0 | 5 0.5 | 4 7.5 | 3 0.8 | 1 5.4 | A P P R OX | T, = 1 | | тµа 650 |
| | 11 | , | | | | - | | | A.P. | -1 | , - , - | |
| | 12 | | | | | | T | | 1 | | | · · · · · · · · · · · · · · · · · · · |
| | | <u> </u> | | <u></u> | | | MEAN = | 1 5.1 6 | ENDIN | G TIME | 1 | h m |
| - | <u> </u> | | | | | | menu — | | _ A | | | A+ |
| | G ON | TATUTAT | ION OF D | ISTANOE | (16. (| 0-2)~ | · (16a : | E-3) | | 0 | D | A - |
| | | | | | | | | | TAN L | 1.0 3.0 1 1.1 | 0 7 0.0 | 980 |
| | | | | | | o | , , | | | 8.0 0 0. | 0 4 1 0 | 1 3.0 |
| | | • | | a (~E = | 3) - + | + 0 2 | 3 9 | | APPROX | • | ' Îd | μe |
| | | | | | - | | | | T AFF | 'ı = 11 | 0406 | 50 |
| | | | | a! | • | 2 | 6 | | <u> </u> | ···· | | |
| | | | | | 1 4' - | C | | | | - | | |
| | | | | 0.291 D(| | | ^m 2 | | E/107 | • | | KI<5) |
| | | | | H (E- | | 516 | | | 17/10 | | | <2×10⁴ √I = 0) |
| | | | | H (0 - | 2 } - | 5 2 9 | 3 | | _, | | mu | 8 |
| | | | | | | | | | T' | | 0. | |
| | | e e | | י פ | | | D | | Т | | | |
| İ | Г | | - | | | — | A / F F C | Wh o | | -1 111 | 3 4 1 5.1 | |
| ' | e 🗕 · | + 23.8 | 3 I - | + 26 | 4 (Km |)D ₀ = | 16550 | 22 | | | | |
| , | A | - 3.3 | | + 11 | 2 | D - | 16544 | | | REMAR | KS | |
| | B | - 0. | | | | s α = 1 | 00000 | | | ument | | t |
| | - | U. | n/103= | <u></u> | - | d D, - | 16544 | 1.60 1.37 | | | М | = 1.38 |
| ' | o - | 0.0 | ייי יייי יייי | 3.7 | | d D₂ - | · · · · · · · · · · · · · · · · · · · | | } | | | = 1.38 |
| 1 ' | e | 20.4 | n/ | 0.37 | 6 | 8 - | 16543 | 5.23 | | | | |
| | | | | • | • | ' | | ı | | | | |
| <u> </u> | ١. | | | | | | | | <u> </u> | | | |

SURVEY STATION $\frac{K - 2}{K - 4}$ (REMORTR; K2, INSTRUMENT)

| | Ma | CAVITY | + A · | A+1~(A~) U | A+R A-R | (A+R)- (A-R) | (U+V)∕2 ₩ | W +50 | М | Drybulb (tc) | (tc.) | temp- erature |
|---------|---------|--------------------|-----------------------|---|--------------------------------------|--|--|-------------------|--|--|--|--|
| | 1 | 20 | 7 8.5 2 7 5 | 510 | 280· 775 | 505 | 508 | 754 | I | 3 3°5 * | 255 | CIRCUIT |
| | 2 | 40 | 7 8 0 2 8 5 | 495 | 295 775 | 5 2 0 | 508 | 754 | н | 535 | 260 | - |
| | 3 | 60 | 780 | 495 | 295 780 | 5 1 5 | 505 | 7 5 2 | MEAN | 3 3 5 | 258 | · |
| NG. | 4 | 8.0 | 785 | 4 % 5 | 2 9 5 7 8.0 | 5 1 5 | 5 0.5 | 7 5.2 | to-to | 7.7 | ф | mat 1 8 |
| ADI | 5 | 1 0.0 | 7 8.5 2 9.0 | 4 9. 5 | 2 % 5 7 8.0 | 5 1. 5 | 5 0.5 | 7 5.2 | | | | |
| RE | 6 | 1 2.0 | 7 7 5 2 9 0 | 4 8.5 | 2 9. 0 7 8. 0 | 5 1 0 | 4 9. 8 | 7 4.9 | BEGIN | NING TIM | 12 | h 25 m |
| E E | 7 | 1 4.0 | 77.0 29.0 | 4 8. 0 | 2 9. 0 7 8. 0 | 5 1.0 | 4 9. 5 | 7 4.8 | A A | | _ <u>A+</u> D | A+ . |
| URA | 8 | 1 6.0 | 7 <u>6.5</u> 2 8.5 | 4 8, 0 | 2 8.5 7 8.5 | 5 0.0 | 4 9. 0 | 7 4.5 | | 8.0 7.0 3 2: | 0 920 | |
| A 0 0 1 | 9 | 1 8.0 | 7 5.5 2 8.5 | 4 7. 0 | 2 8.5 7 8.5 | 5 0.0 | 4 8. 5 | 7 4. 2 | 2 | 1.0 4 6. | | |
| ¥ | 10 | 1 | 7 5.5 2 8.5 | 4 7. 0 | 2 8. 5 7 8. 0 | 5 0. 5 | 4 8. 8 | 7 4.4 | APPROX | | | пив |
| | 11 | | | | | | | | A.P. | T,== 1 : | 2487 | 5.5 0 |
| | 12 | | | | | | | | | · · · · · · · · · · · · · · · · · · · | | |
| | | | | | | М | ean = | 7 4.9 2 | ENDIN | G TIME | 1 | h m |
| | | | | | | | | | 1m A | + <u>A+</u> | _ <u>A+</u> | <u>A+</u> _ |
| | 0.07 | æutat: | ION OF D | ISTANOE | (|) ~ | (|) | DN IC | 5.0 | <u> </u> | A- |
| | 0.07 | ÆUTAT: | . C TO NOI | ISTANOE | ; (| | · |) | N I TO YELL TO S | 0 | D 9 Q.(| A- 3 28.0 |
| | 0.07 | | | a (0 - 2 | | | 1 1 |) | READING 2 2 2 5 5 | 5.0 4.0 3 0. | 0 9 0.0 0 8 5.0 | A- 2 8.0 4 7.0 |
| | COY | | | a (0 - 2 | 2~) - | 0 | 5 7 |) | ROX READING | 5.0 4.0 3 0. 1.0 4 5. | 0 9 0.0 0 8 5.0 | A- 2 8.0 4 7.0 |
| | G 037 | | | a (0 - 2 E - a' | 2~) = - -4 - -291a'= | 11 | 57 |) | APPROX, READING I | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | D 0 9 0.0 0 8 5.0 2 4 8 7 | A- 0 2 8.0 0 4 7.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1 |
| | COY | | | a (0 - 2 E- | 2~) = - -4 | 11 | 5 7 9 5 10 5 |) | NIUVE I READING I TO TO TO TO TO TO TO TO TO TO TO TO TO | 5.0 4.0 5 0. 1.0 4 5. | 0 9 0.0 0 8 5.0 2 4 8 7 | A- 0 28.0 0 47.0 0.00 |
| | CON | | | a (0 - 2 E - a' 0.291D | 2~) = - -4 291a'- 0(Km) = + | 0 11 11 3 | 5 7 9 5 m 5 0 |) | APPROX, READING I | 5.0 4.0 5 0. 1.0 4 5. | 0 9 0 0 0 8 5 0 2 4 8 7 | A- 1 2 8.0 1 4 7.0 |
| | CON | | | a (0 - 2 E - a' 0.2 0.291D H (E - | 2~) = - -4 291a'- 0(Km) = + | 0 11 11 3 65 508 | 5 7 9 5 m 5 0 |) | NIUVE I READING I TO TO TO TO TO TO TO TO TO TO TO TO TO | 5.0 4.0 5 0. 1.0 4 5. | 0 9 0.0 0 8 5.0 2 4 8 7 | A- 1 2 8.0 1 4 7.0 |
| | ſ | ė | , | a (0-2 E- a' 0.2 0.291D H (E- H (g- | 2~) = | 0 11 11 3 65 508 573 | 5 7 9 5 m 5 0 5 |) 28 | NIUVEL READING TO TO TO TO TO TO TO TO TO TO TO TO TO | 5.0 4.0 3 0. 1.0 4 5. | 0 9 0 0 0 8 5 0 2 4 8 7 | A- 1 2 8.0 1 4 7.0 1 4 7.0 1 5 5 0 1 5 5 0 1 5 5 0 |
| e' | ſ | € | , , | a (0 - 2 E - a' 0.291D H (E - H (0 - | 2~) = | 0 11 11 3 65 508 573 | 5 7 9 5 5 0 5 D 8 7 1 8 2 2 6.8 | 3 1 | NIUAHA APPROX. READING I LOAD | 5.0 4.0 3 0. 1.0 4 5. | 0 9 0.0 0 8 5.0 2 4 8 7 | A- 2 8.0 2 8.0 3 4 7.0 4 7.0 K (<5) T<2×10 AT = 0 |
| e' | F-1 | ė | 7 I - | a (0-2 E- a' 0.2 0.291D H (E- H (g- | 2~) = | 0 11 11 3 65 508 573 | 5 7 9 5 5 0 5 D | 17 | NIUAMA APPROX. READING INTERNATION INTERNA | 5.0 3 0. 4.0 3 0. 1.0 4 5. F ₁ = 1 | 0 9 0.0 0 8 5.0 2 4 8 7 (1) (2) | A- 2 8.0 2 8.0 3 4 7.0 3 5 0 K (<5) T<2×10 AT = 0 |
| | F4 (54) | e + 24. | 7 1 - | a (0 - 2 E - a' 0.291D H (E - H (O - | 2~) = | 11 3 65 508 573 D ₀ = 1 D = 1 | 57 9 5 9 5 0 5 0 8718268 87114 99999 | 3 1 1 7 3 6 | NIUAMA APPROX. READING INTERNATION INTERNA | 5.0 4.0 3 0. 1.0 4 5. F ₁ = 1 | 0 9 0.0 0 8 5.0 2 4 8 7 (1 0. 4 8 7 4 | A- 1 28.0 1 47.0 1 28.0 1 |
| A | F4 (54) | e + 24. - 3. | 7 1 - | a (0 - 2 E - a' 0.291D H (E - H (O - | 2~) = | 11 3 65 508 573 | 5 7 9 5 5 0 5 5 D 8 7 1 8 2 6 8 8 7 1 1 4 9 9 9 9 9 | 17 24 36 | NIUAMA APPROX. READING INTERNATION INTERNA | 5.0 3 0. 4.0 3 0. 1.0 4 5. F ₁ = 1 | 0 9 0.0 0 8 5.0 2 4 8 7 0. 4 8 7 4. | A- 2 8.0 2 8.0 3 4 7.0 3 5 0 K (<5) T<2×10 AT = 0 |

SURVEY STATION $\frac{\cancel{K} \ 0-4}{\cancel{K} \ B-1}$ (MASTER; $\cancel{K}3$, INSTRUMENT)

| | | | A + | A+1-(A-) | A+R | (A+R |)-, n | U+V)/2 | W | | Drybuib | Wetbuit | Orystal |
|-------|--------------|------------|-----------------------|-------------------|----------------|-------------------|------------------|-------------|-------------------|-----------------------|-------------------|----------------|------------------------------|
| | Ка | CAVITY | A - | ΰ | A - R | (A- | K), | ₩ | $\frac{W}{2}$ +50 | М | (tc) | (tc') | temp~ crature |
| | 1 | | 4 6 0 | 8 3.5 | 6 2.0 | 5 C. | 0 | 6 6 8 | 3 3.4 | I | 3 5.5 | 2 6.0 | |
| . ' | 2 | | 4 7. B 6 2. 0 | 8 5.0 | 6 1 5 | 5 C. | 0 | 67.5 | 3 3.8 | H | 3 4.5 | 2 5.5 | |
| | 3 | | 4 7.5 | 0 & 8 | 615 | 5.0. | 5 | 68.2 | 3 4.1 | MEAN | 3 6.0 | 2 5.8 | |
| | 4 | | 4 7. 5 6 1. 5 | 8 6.0 | 610 | 5 0. | 0 | 6 8.0 | 3 4 0 | tc-tc' | 1 0.2 | dp | ERH? |
| EADI | 5 | | 4 8.0 6 1.5 | 8 & 5 | 6 1 0 | 4 9. | 5 | 6 8. D | 3 4.0 | | | | |
| EZ EZ | 6 | | 4 8.0 6 1.5 | 8 6 5 | 6 1 5 | 4 9. | 5 | 6 8.0 | 3 4.0 | BEGII | TIM | E 15 | 55 m |
| | 7 | | 4 7. 0 6 2. 5 | 8 4. 5 | 6 2.5 | 5 0. | 0 | 6 7. 2 | 3 3.6 | D A | + A- | $\frac{A+}{D}$ | + <u>A</u> - |
| OURAT | 8 | | 4 6 5 6 2 5 | 8 4.0 | 6 2.0 | 4 % | 5 | 6 6 8 | 3 3.4 | READING 2 2 5 P | | 7 5. | 62 |
| PΑ | 9 | | 4 6 5 6 3 0 | 8 3, 5 | 6 2.5 1 2.0 | 5 0 | . 5 | 6 <u>70</u> | 3_3.5 | 2 | 0.0 9 4 | .0 7 1.0 | 8 4.0 |
| 1 | 10 | | <u>4 6 0</u> 6 3.0 | 8 3.0 | 6 2.5 | 5 1. | 0 | 67.0 | 3 3, 5. | APPROX. F | T, =1 | | m#e 2.00 |
| | 11 | | | | | | | | | TA | -• | | |
| | 12 | | | | | | | | | | | | |
| | | <u>-</u> - | | | | | М | EAN= | 3 3.7 3 | | O TIM | E | h m |
| | O OM | PUTAT | ON OF D | ISTANCE | (160 - | . 4) | ~ (| <i>К</i> аВ | -1) | | | F A+ | A+ A- |
| | | | | • | | | | | | READING 5 | I | 0 75 | 63 |
| | | | | a (MaB | -1~)- | - 0° | 5 | 20 | | 2 | 0.0 9 5 | .0 7 2.0 | 8 4.0 |
| | • | | | | | | | | | APPROX | T ₁ =1 | | n#s 2.00 |
| | | | | a' _ | | | 5 | 3 | | A | | | |
| | | | | | 1 a '= | | 1 | 5 | | K | _ | (1 | KI<5) |
| | | | | 0.291D() 出(MGO | i | - | 26 ¹¹ | 9 | | T' 10 7 | <u> </u> | (; | !<2×101 |
| | | | | н (ЖВ | | 5 | 3 8 | 8 7 | | $\int \Delta T = \pi$ | | <u>п</u> ди | e (0 - T <i>z</i> |
| | | | | | · | 5 | 6 5 | , | | T AT | | θ. | } |
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SURVEY STATION - ME B - 1 (REMORTR; M2. INSTRUMENT)

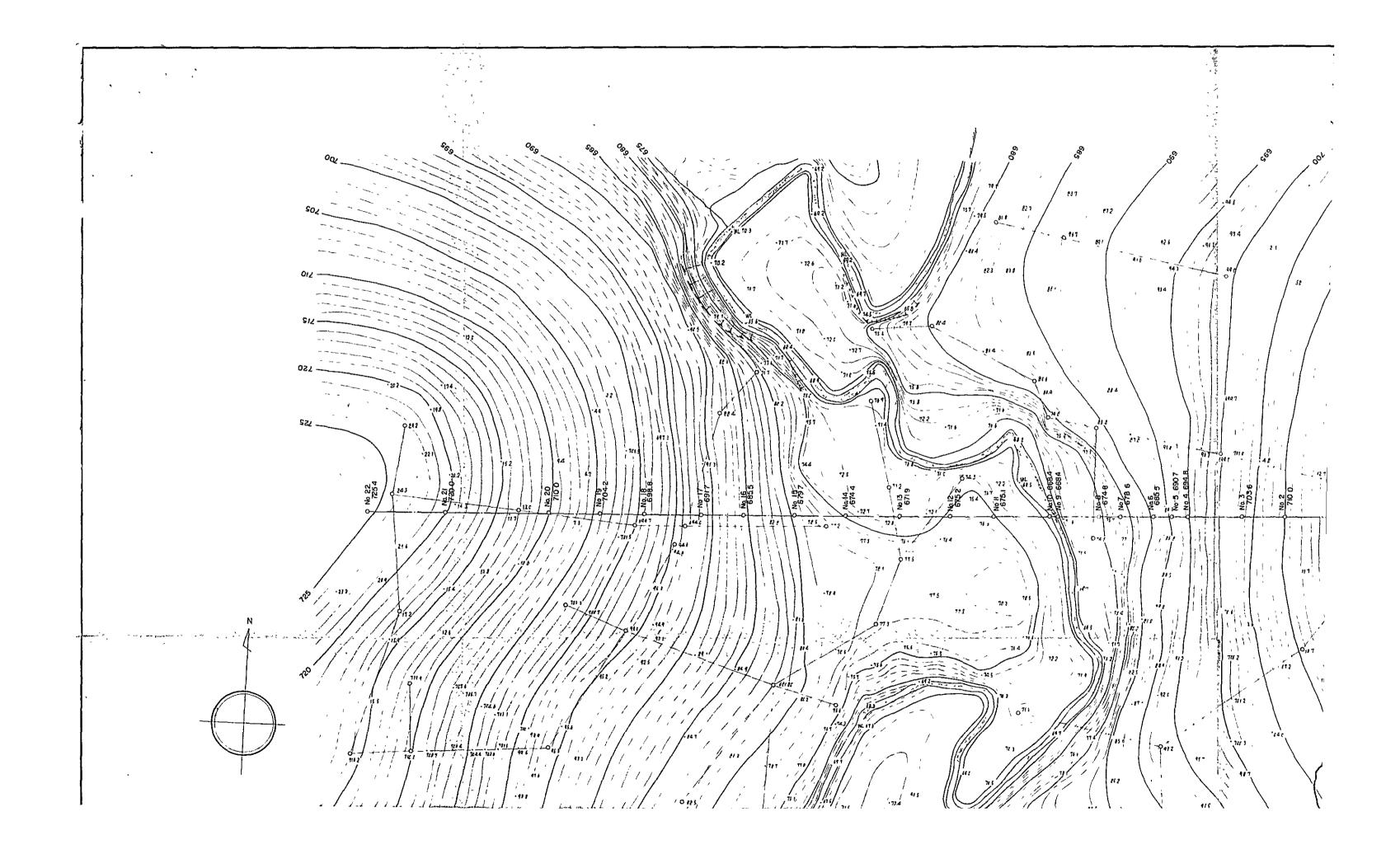
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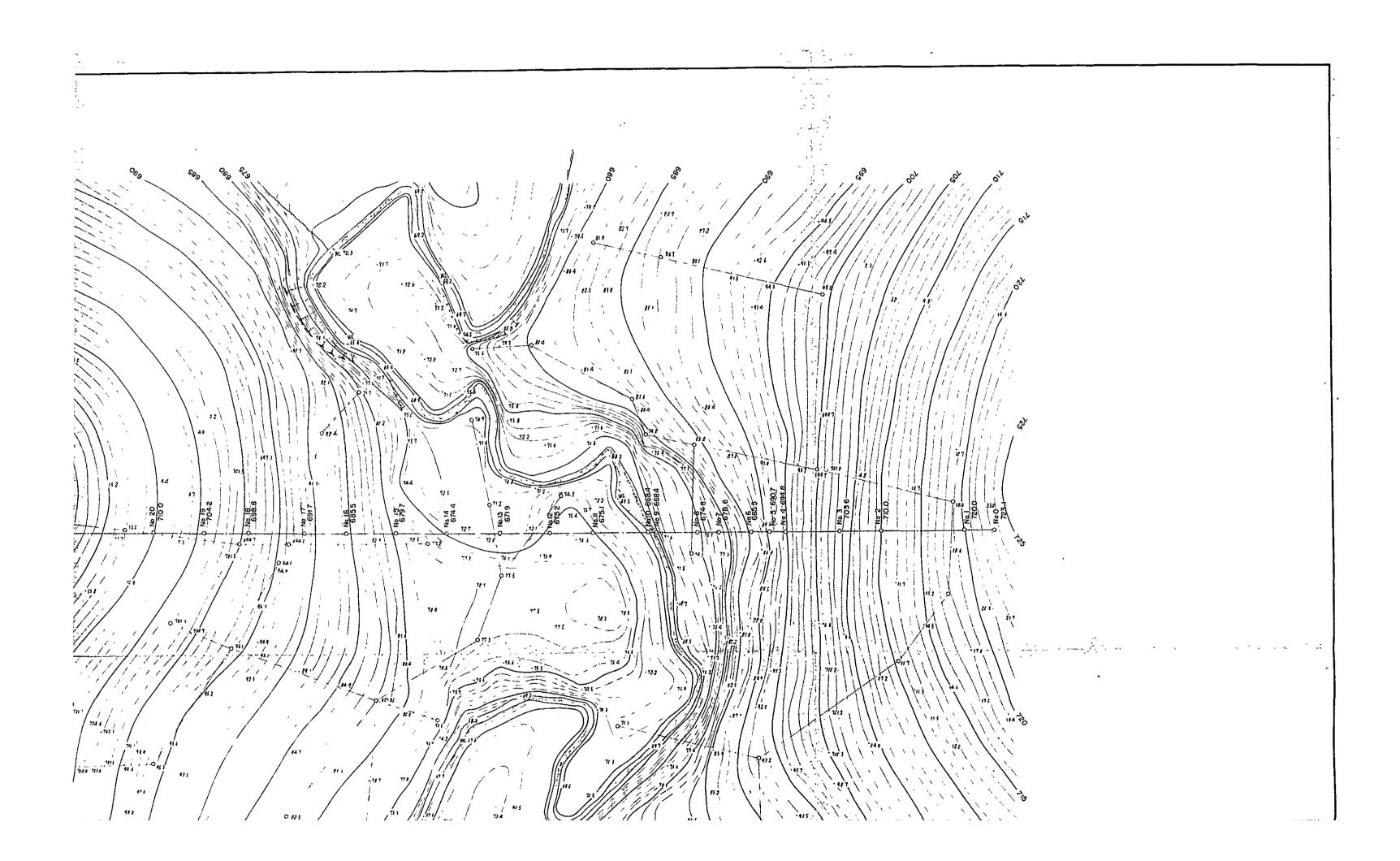
II, II SURVEY MAPS

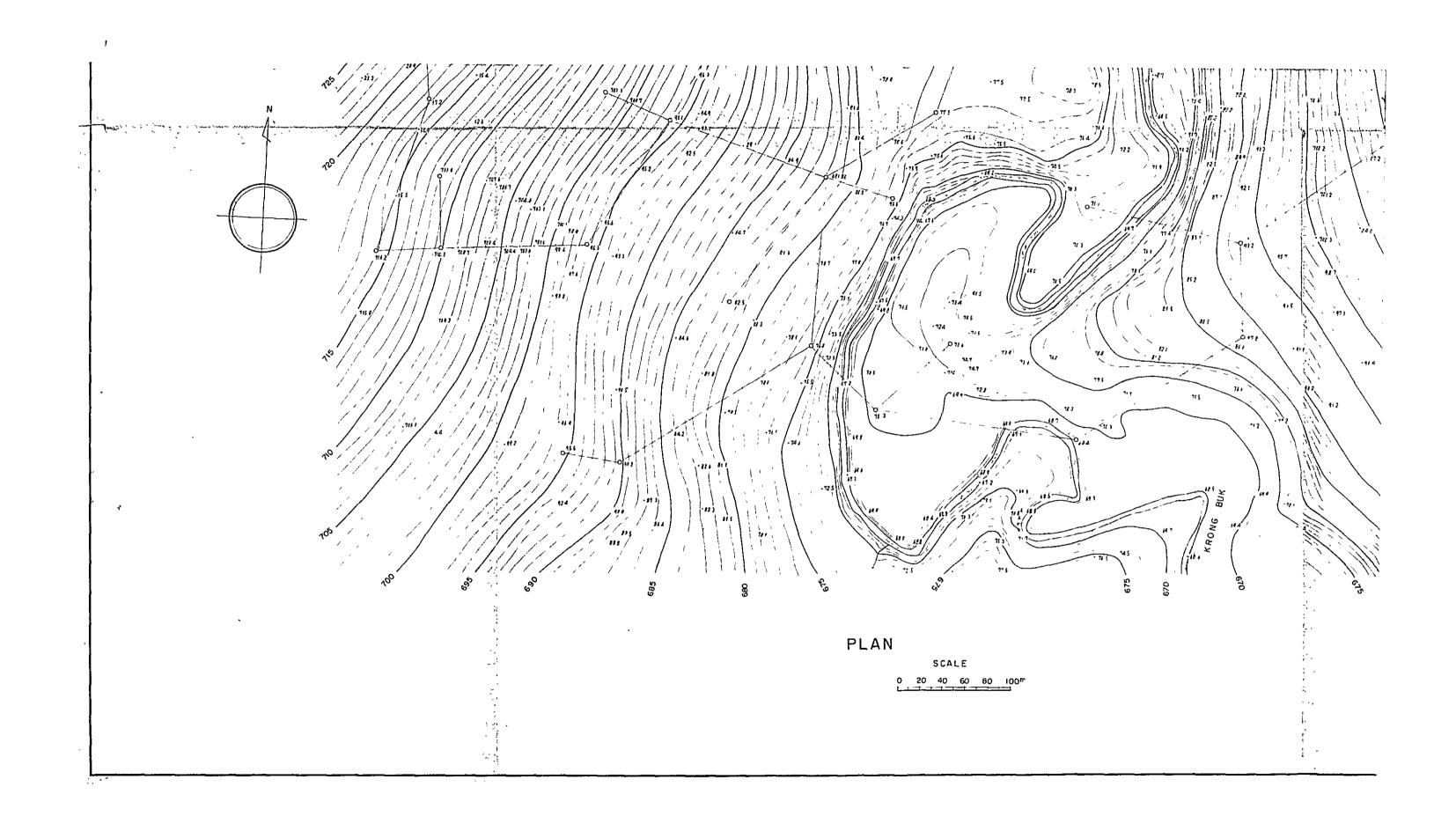
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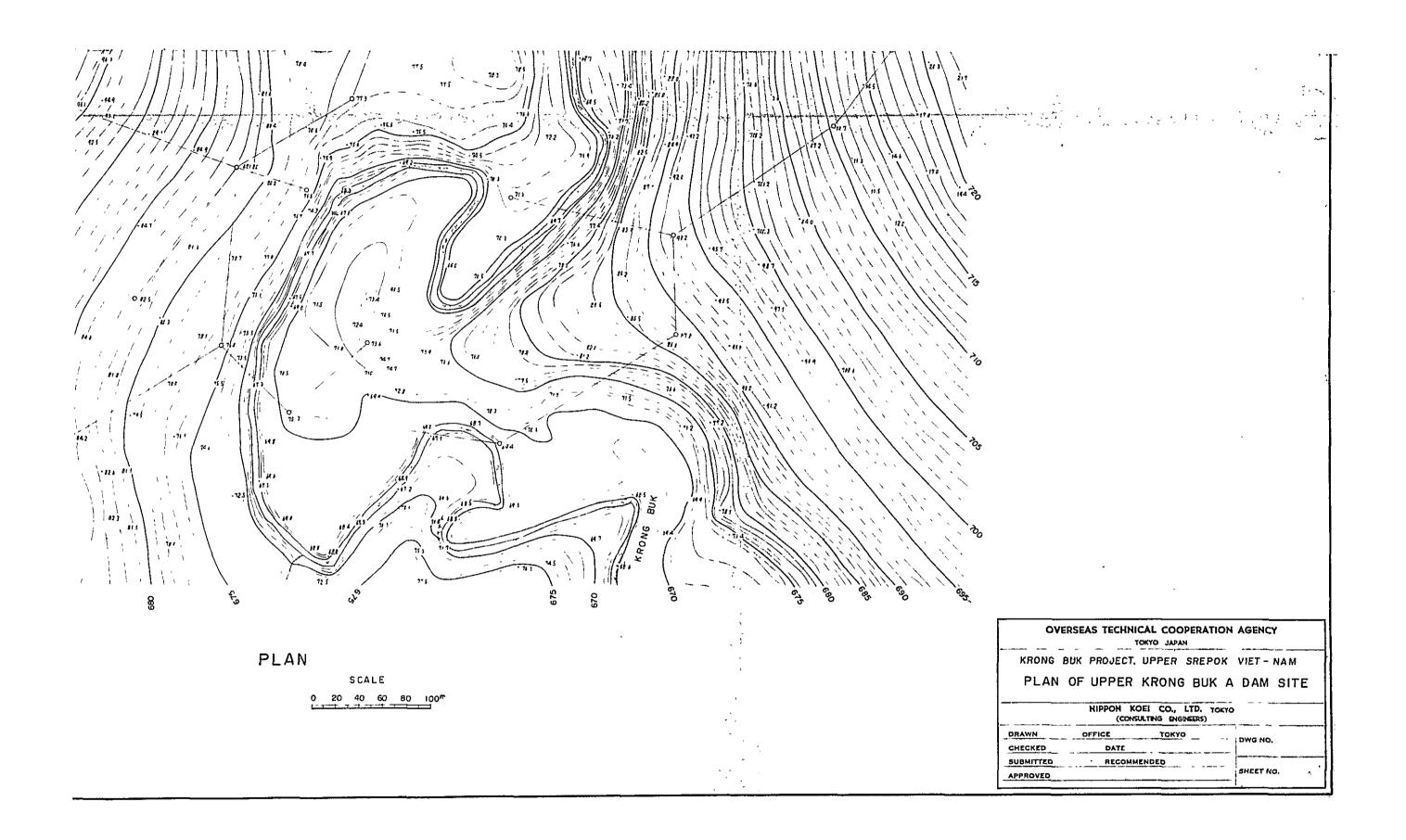
- 1. THE SURVEYED AND INVESTIGATED AREA OF THE OVERALL UPPER KRONG BUK PROJECT
- 2. PLAN AND PROFILE OF KRONG ANA DAM SITE
 PLAN AND PROFILE OF KRONG BOUNG DAM SITE
- 3. PLAN OF KRONG BOUNG SUPPLEMENT DAM SITE
- 4. PROFILE OF KRONG BOUNG SUPPLEMENT DAM SITE
- 5. PLAN AND PROFILE OF LOWER KRONG PACH DAM SITE
- 6. PLAN OF UPPER KRONG PACH DAM SITE
- 7. PROFILE OF UPPER KRONG PACH DAM SITE
- 8. SECTION OF UPPER KRONG PACE DAM SITE
- 9. PLAN AND PROFILE OF UPPER KRONG PACH SUPPLEMENT DAY, SITE
- 10. PLAN OF LOWER KRONG BUK DAM SITE
- 11. PROFILE OF LOWER KRONG BUK DAM SITE
- 12. SECTION OF LOWER KRONG BUK DAM SITE
- 13. PROFILE OF B. MLANG DAM SITE
- 14. PLAN OF UPPER KRONG BUK A DAM SITE
- 15. PROFILE OF UPPER KRONG BUK A DAM SITE
- 16. PLAN OF UPPER KRONG BUK B DAM SITE
- 17. PROFILE OF UPPER KRONG BUK B DAM SITE
- 18. PLAN AND PROFILE OF EA JUNG DAM SITE

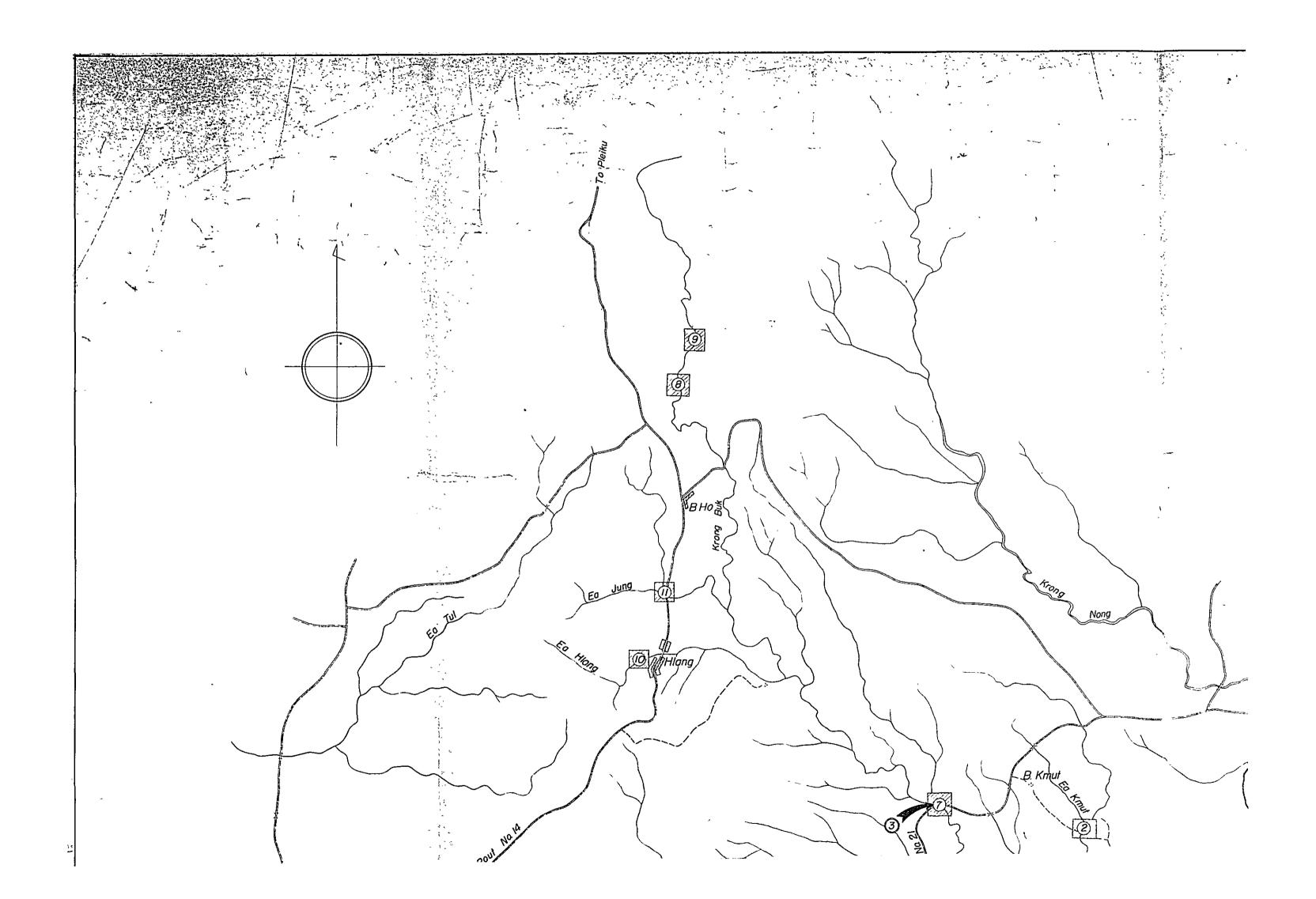
- 19. PLAN AND PROFILE OF EA HLANG DAM SITE
- 20. PLAN OF EA KMUT DAM SITE
- 21. PROFILE OF EA KMUT DAM SITE

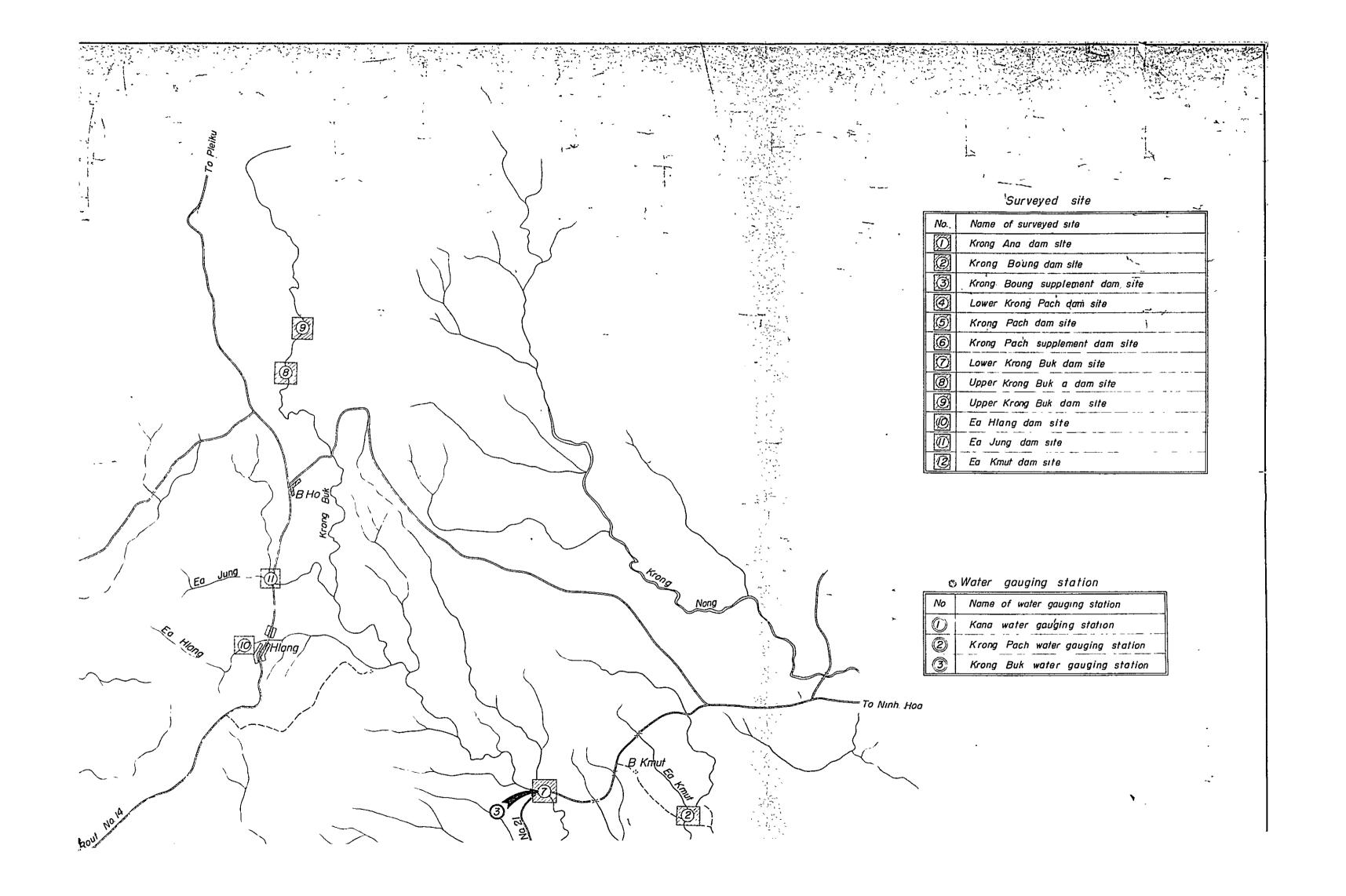


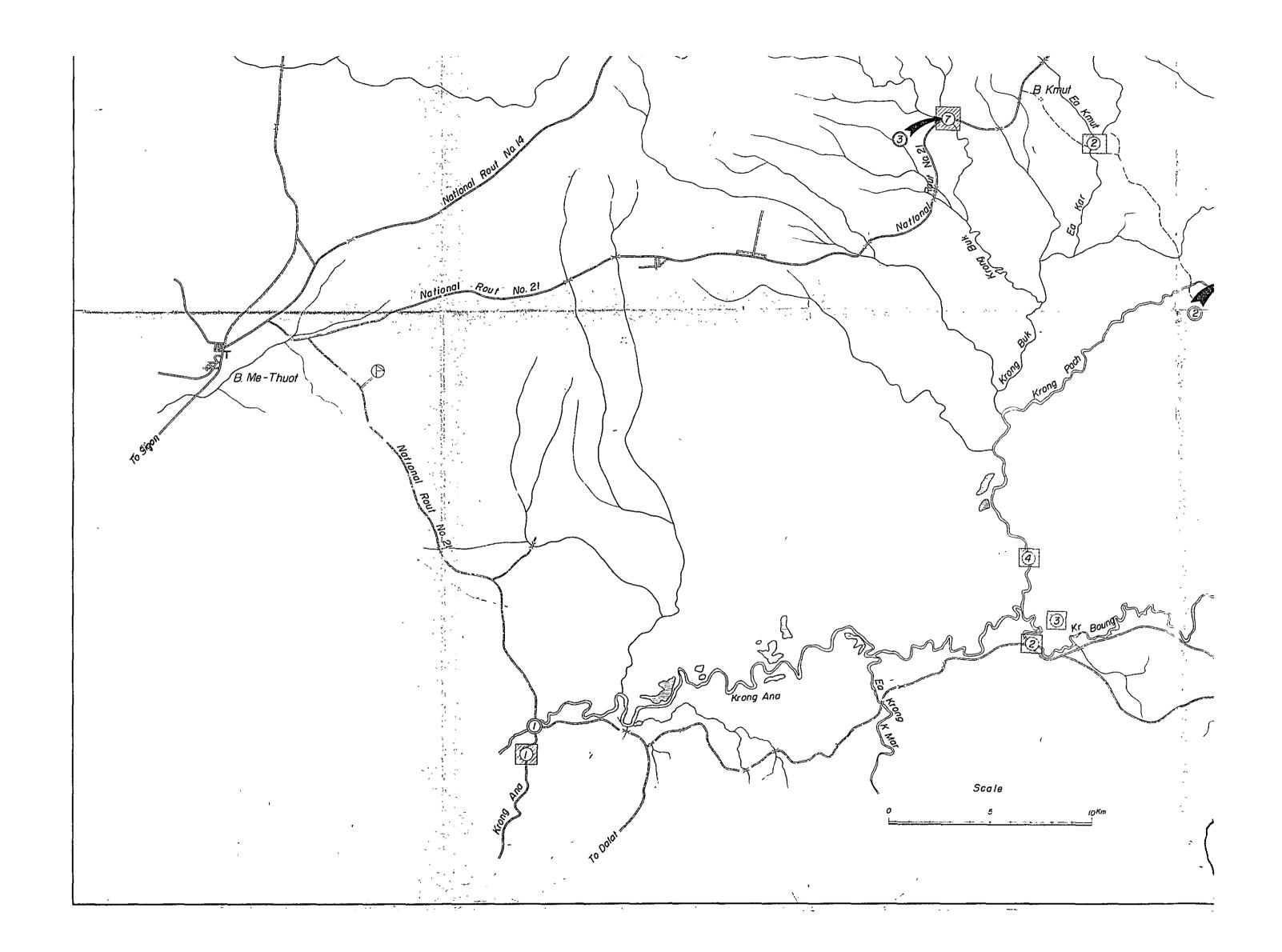


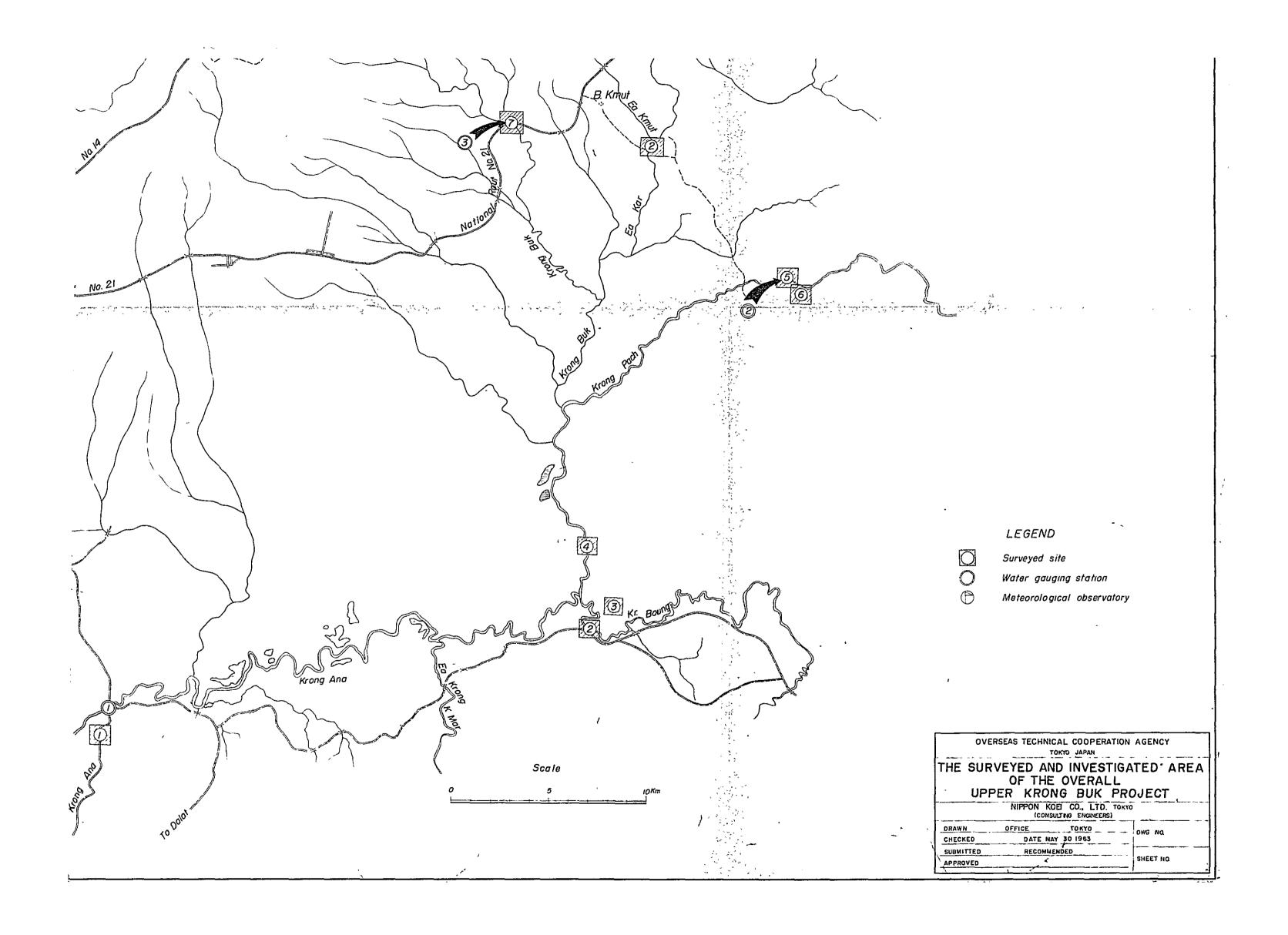


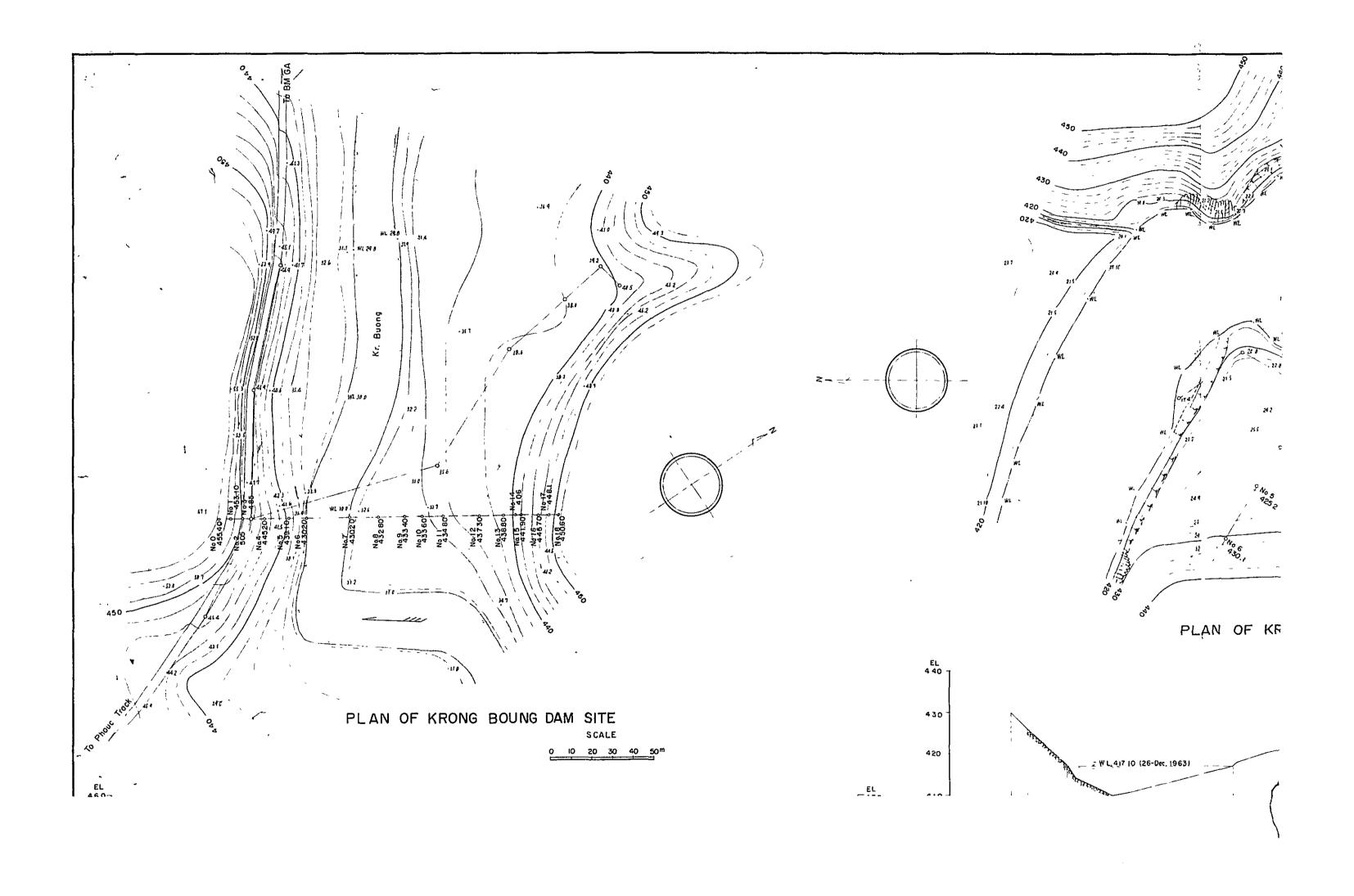


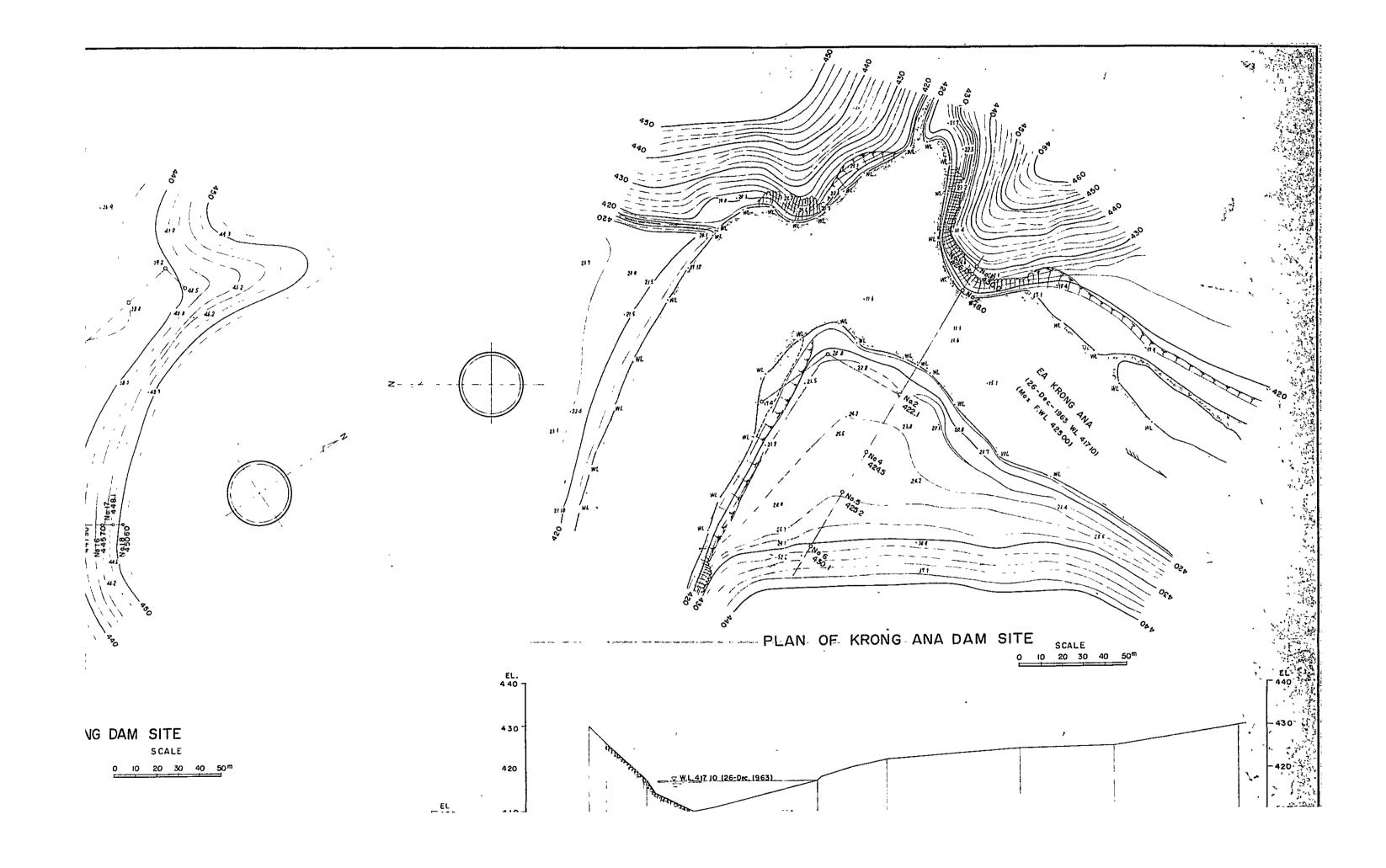


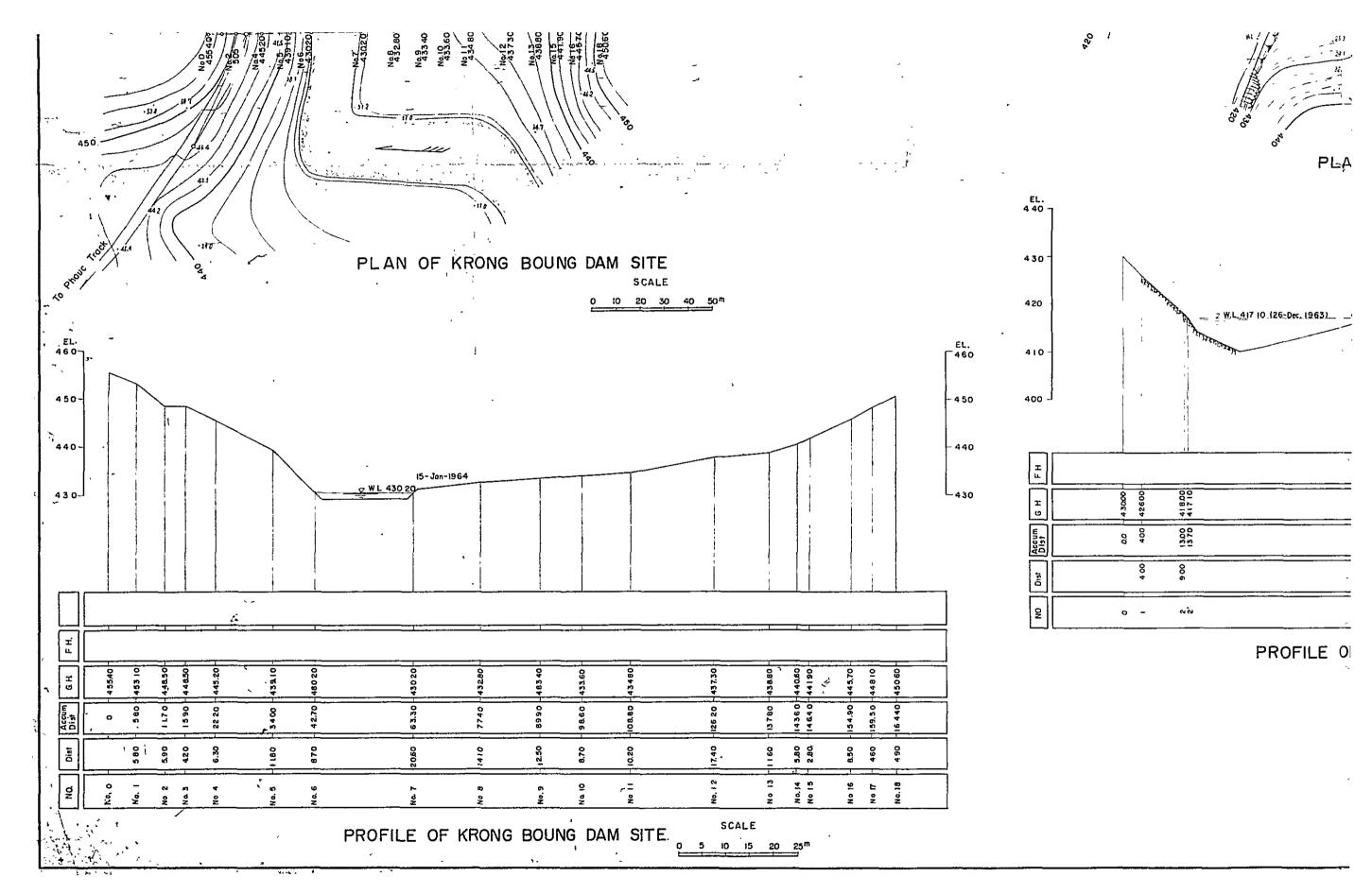


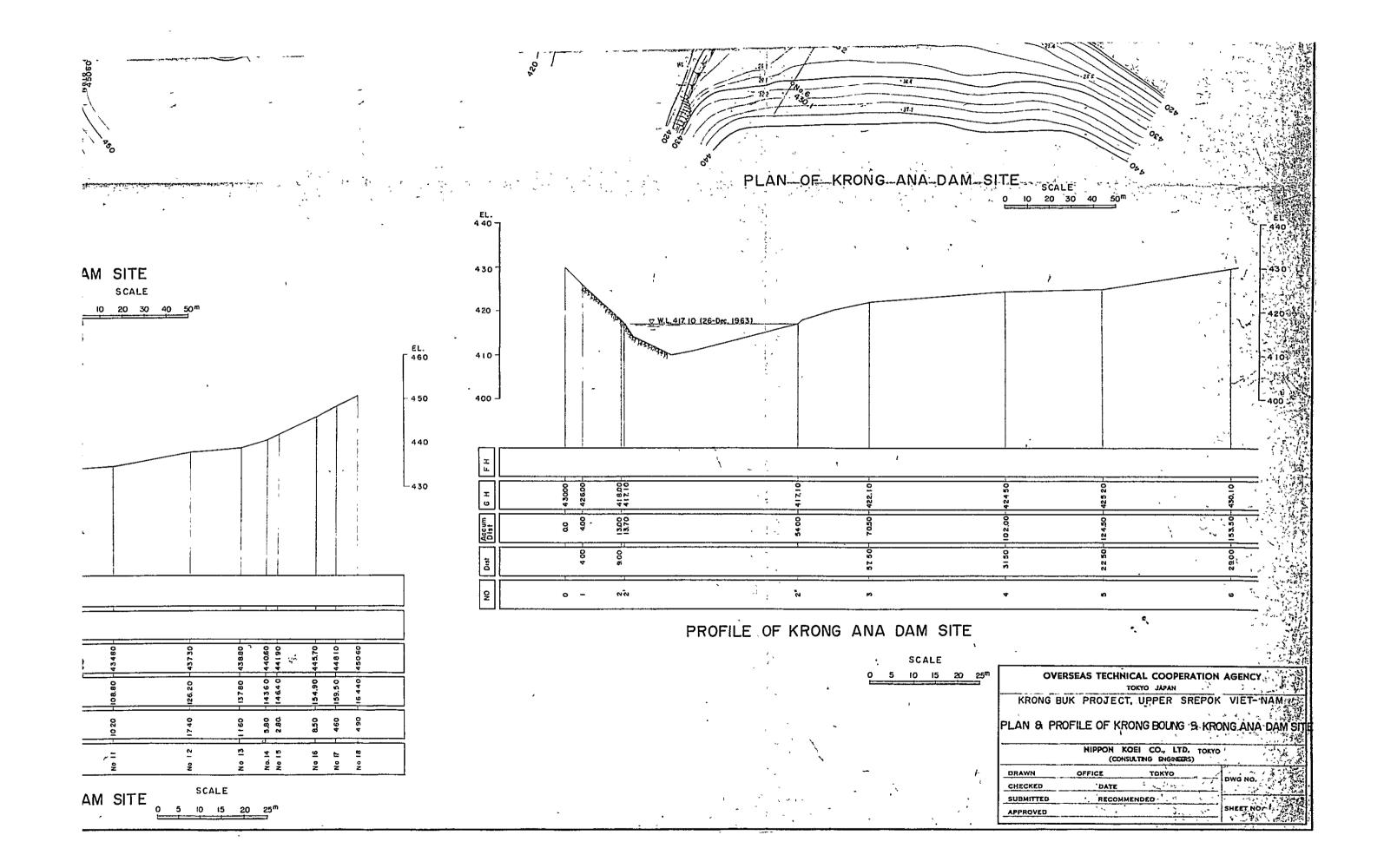


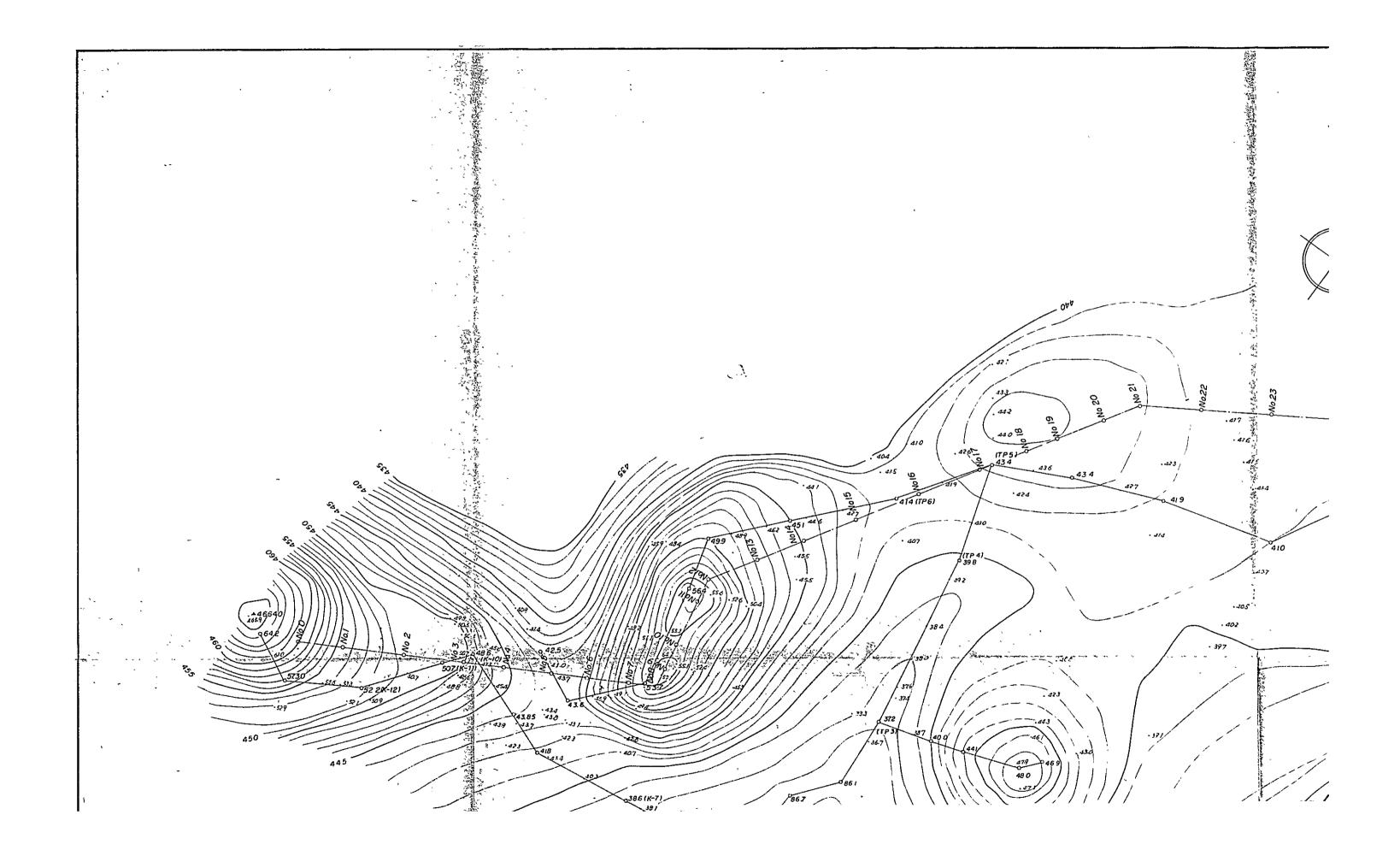


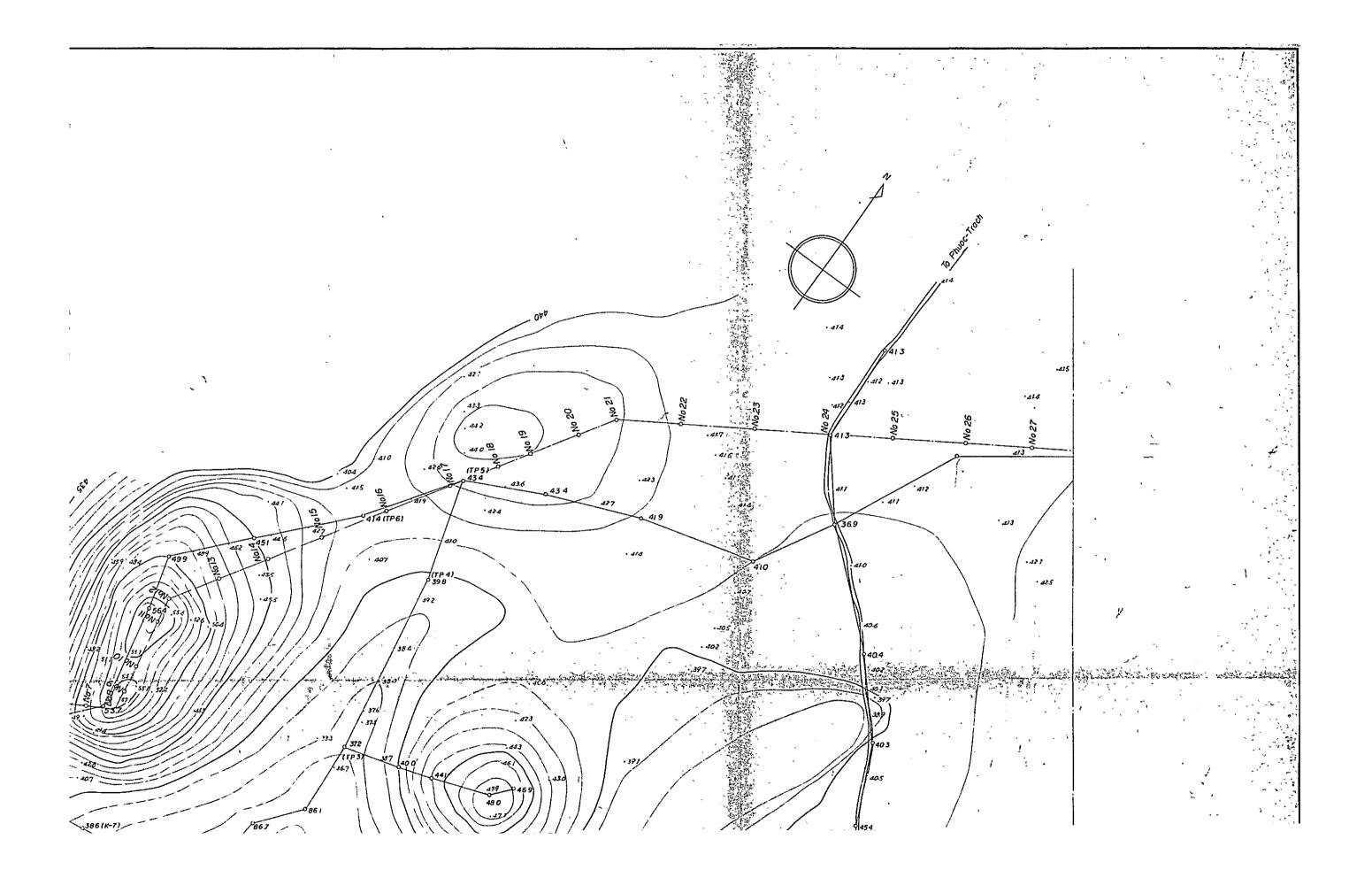


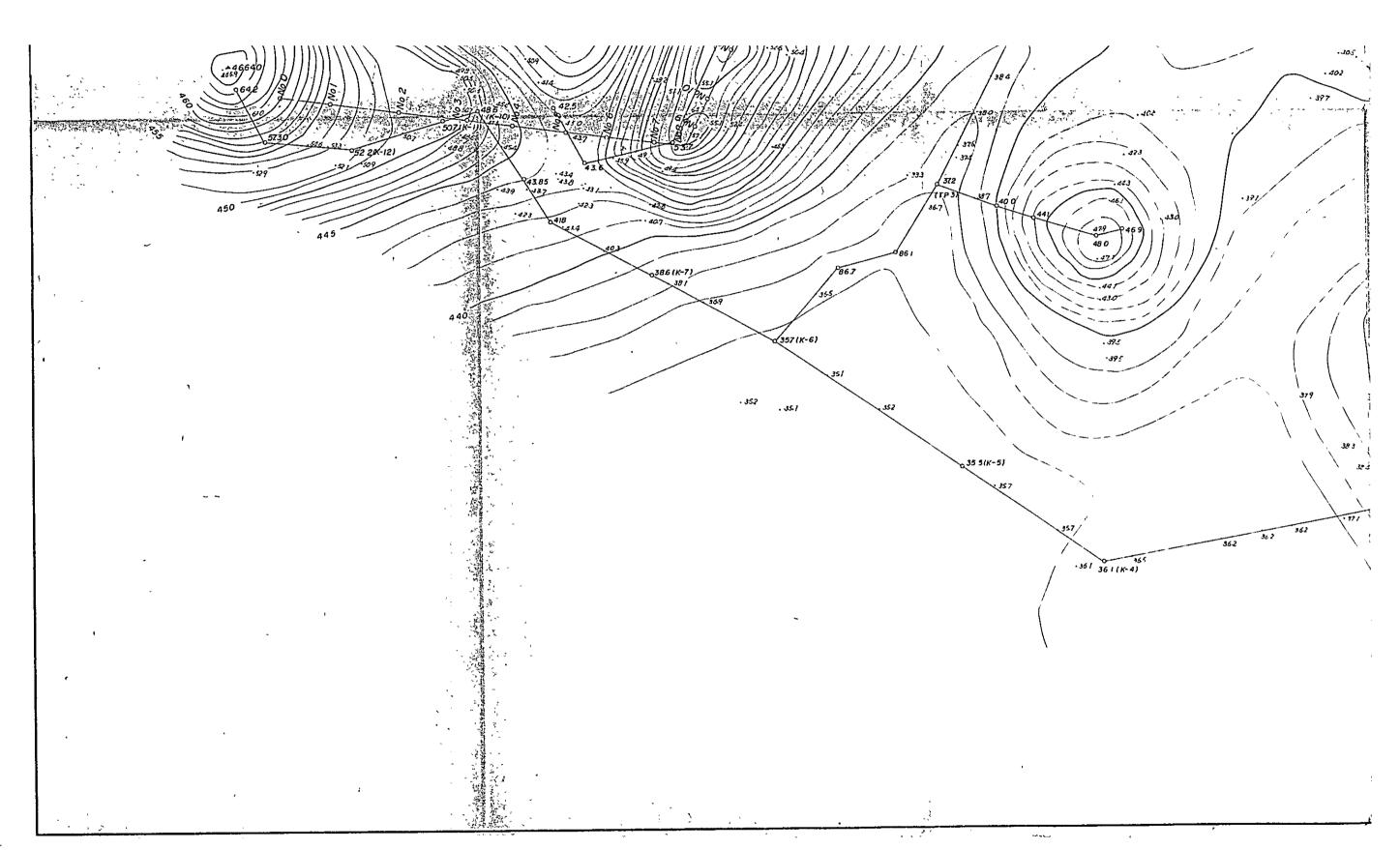


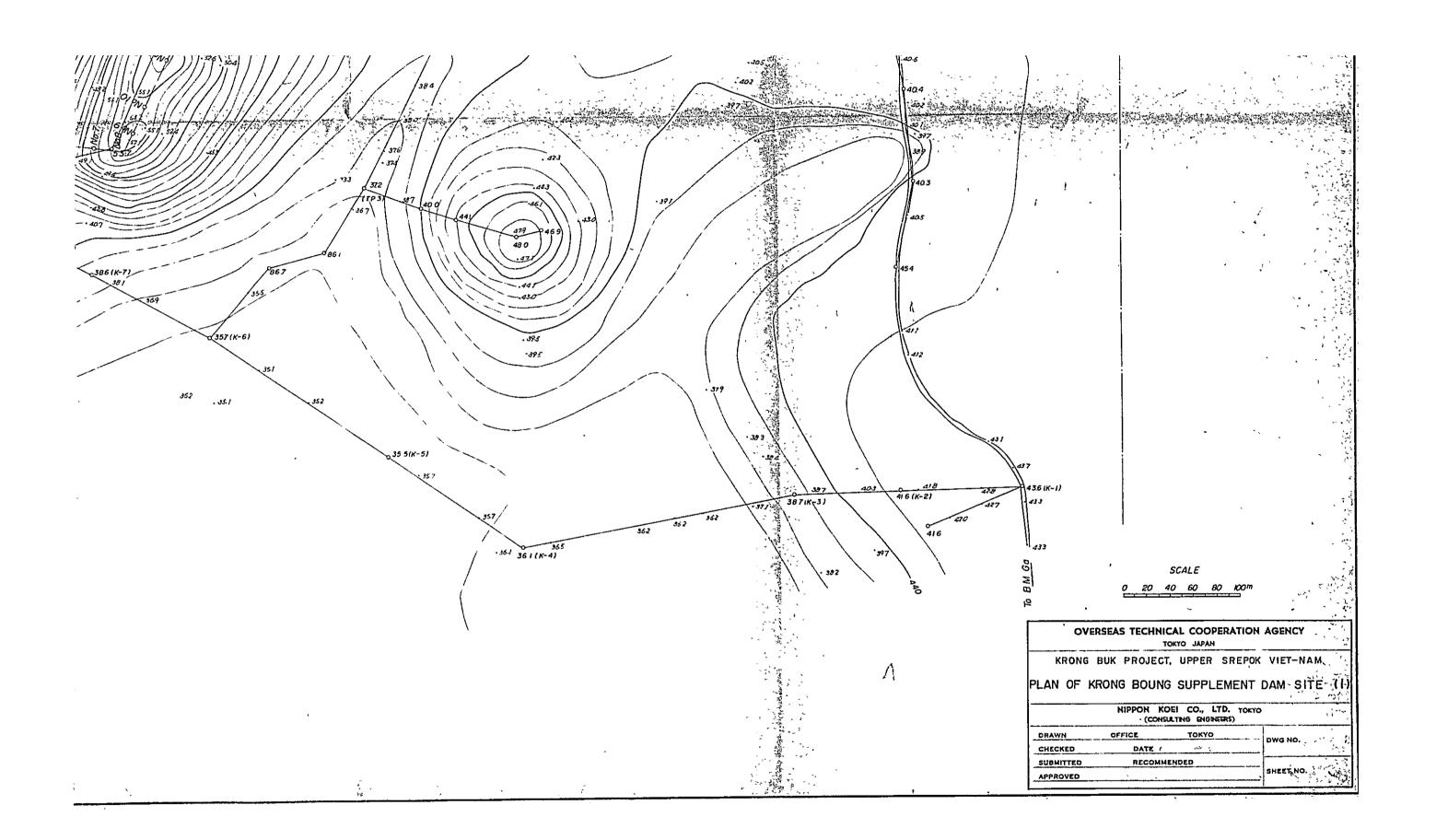


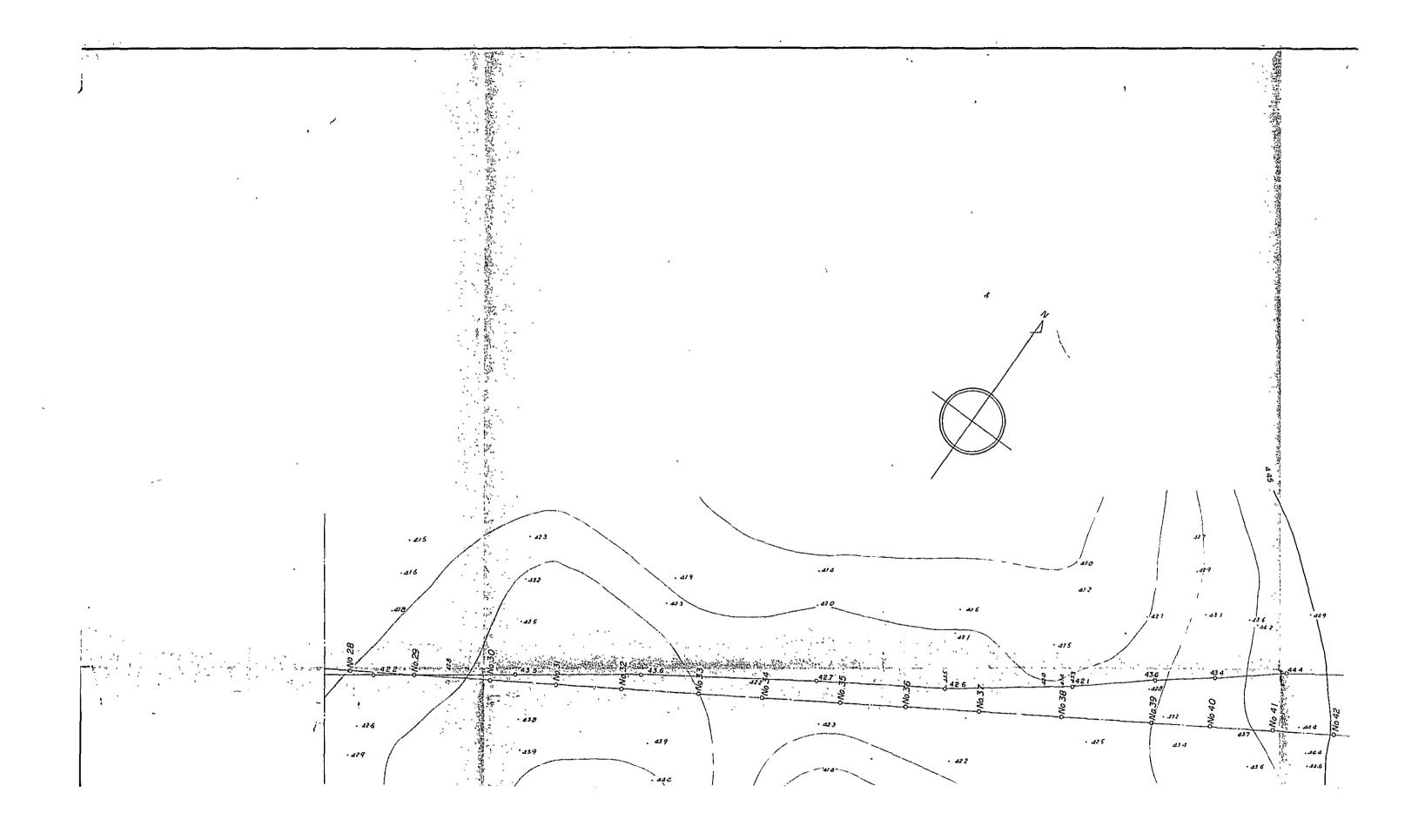


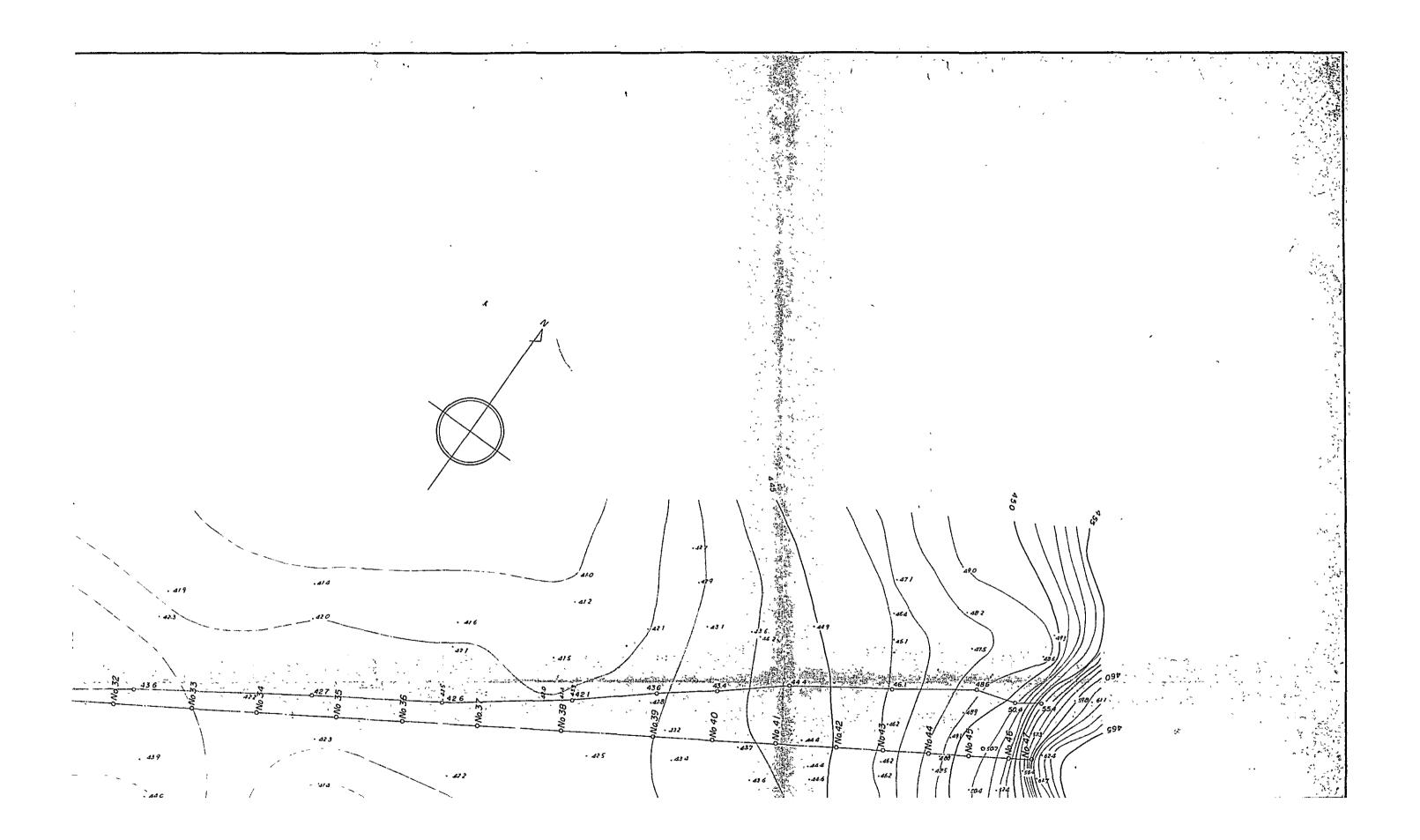


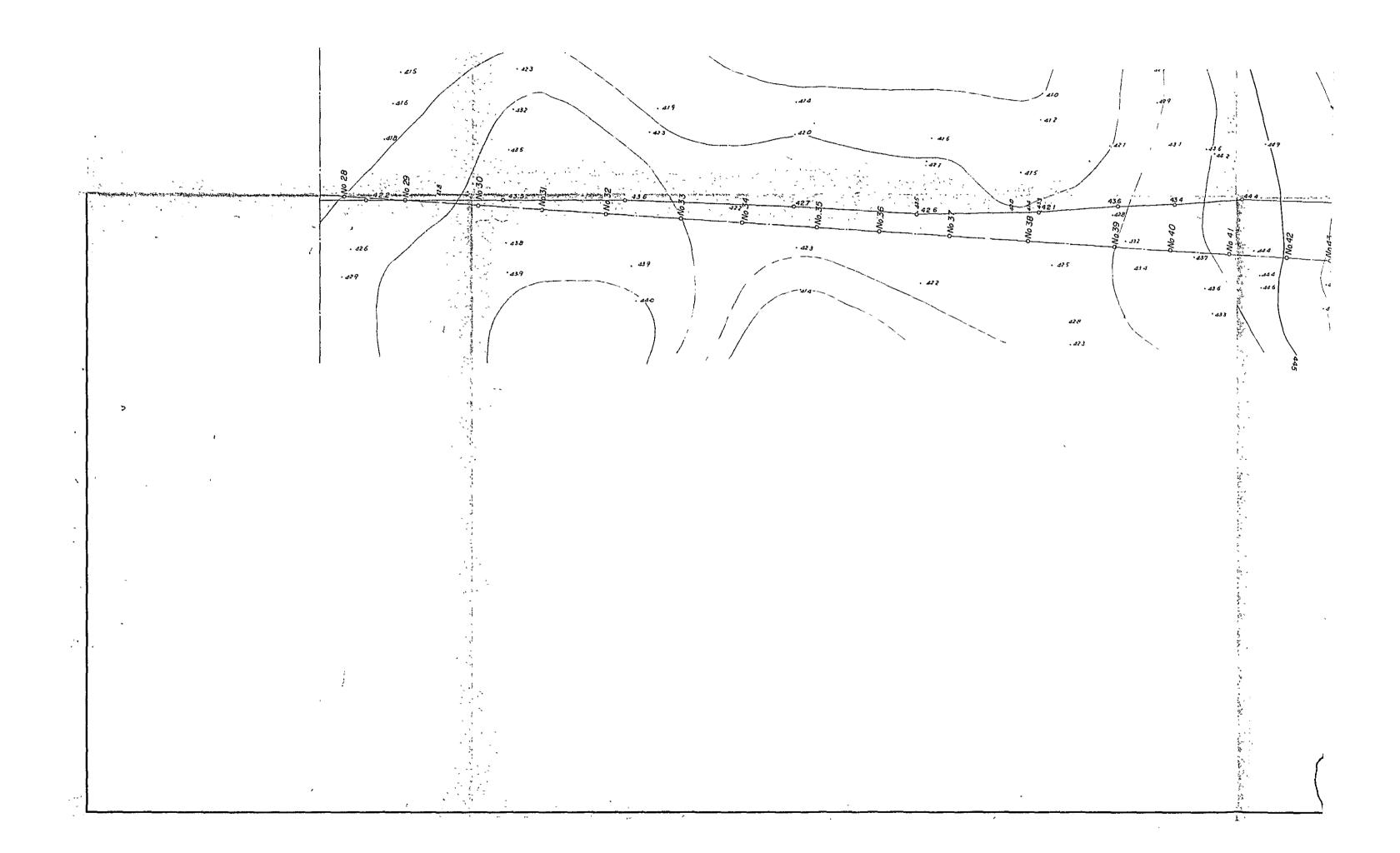


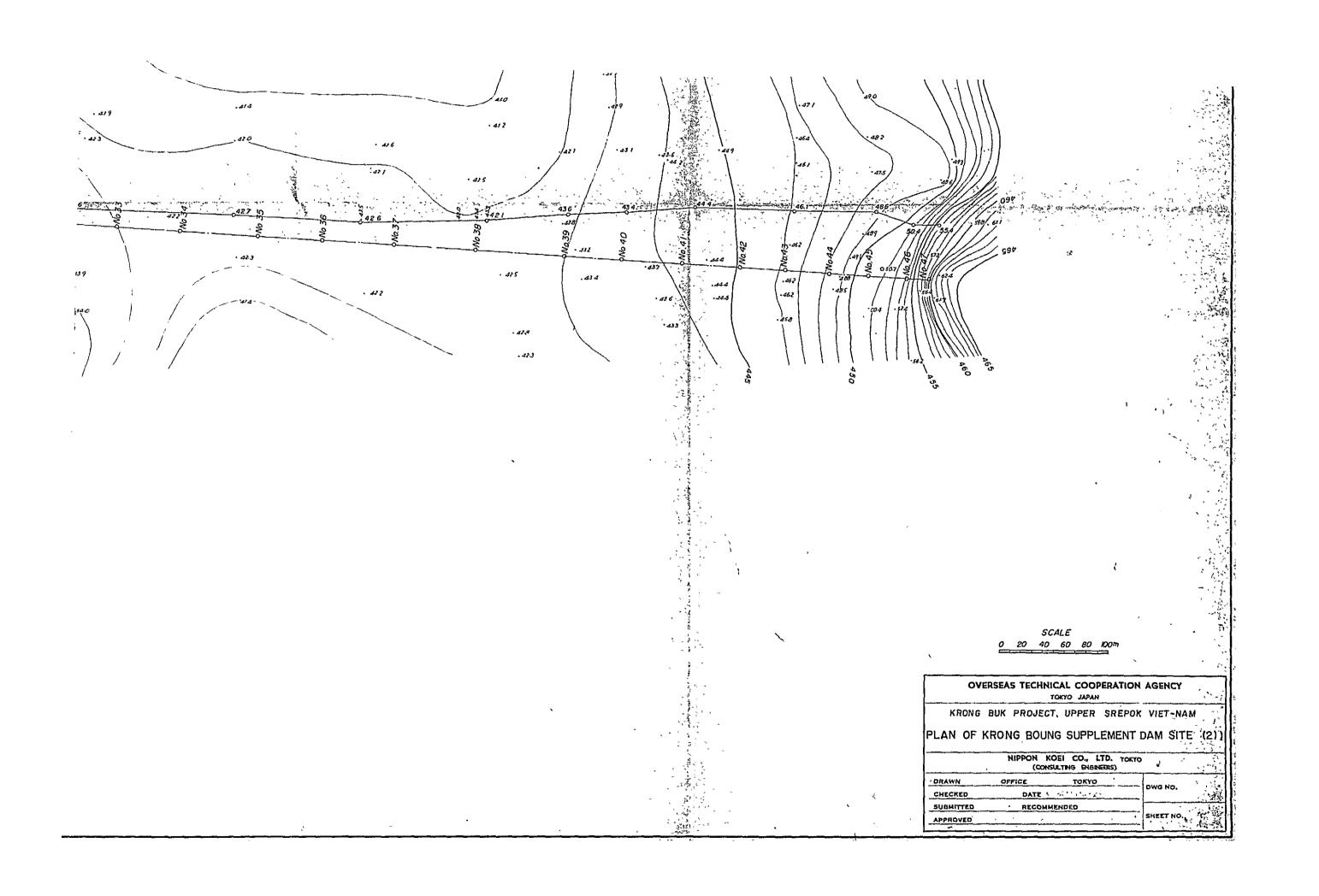












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KRONG BUK PROJECT, UPPER SREPOK VIET-NAM PROFILE OF KRONG BOUNG SUPPLEMENT DAMSITE NIPPON KOEI CO., LTD, JOKYO LCONSULTING ENGINEERS)

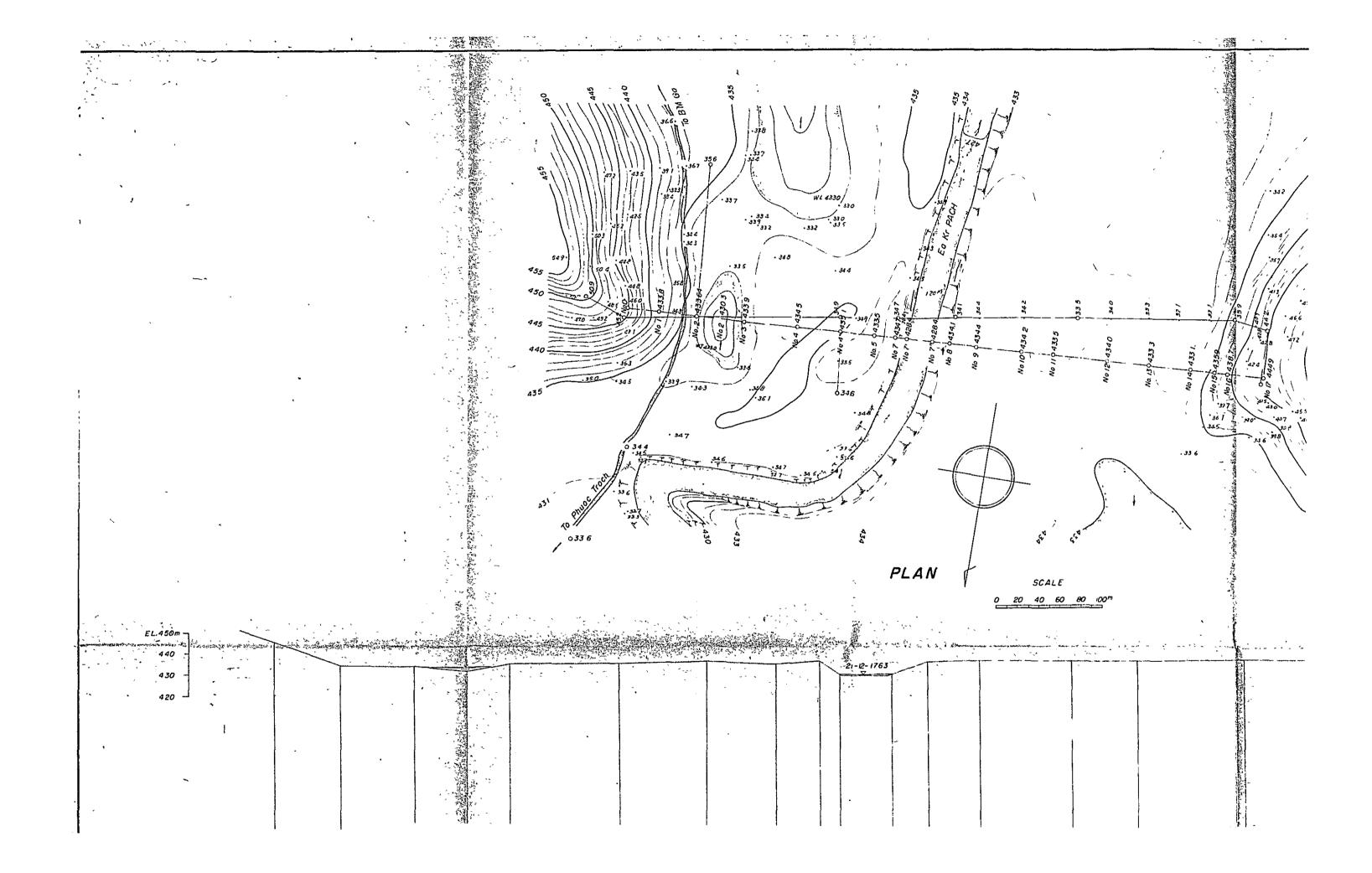
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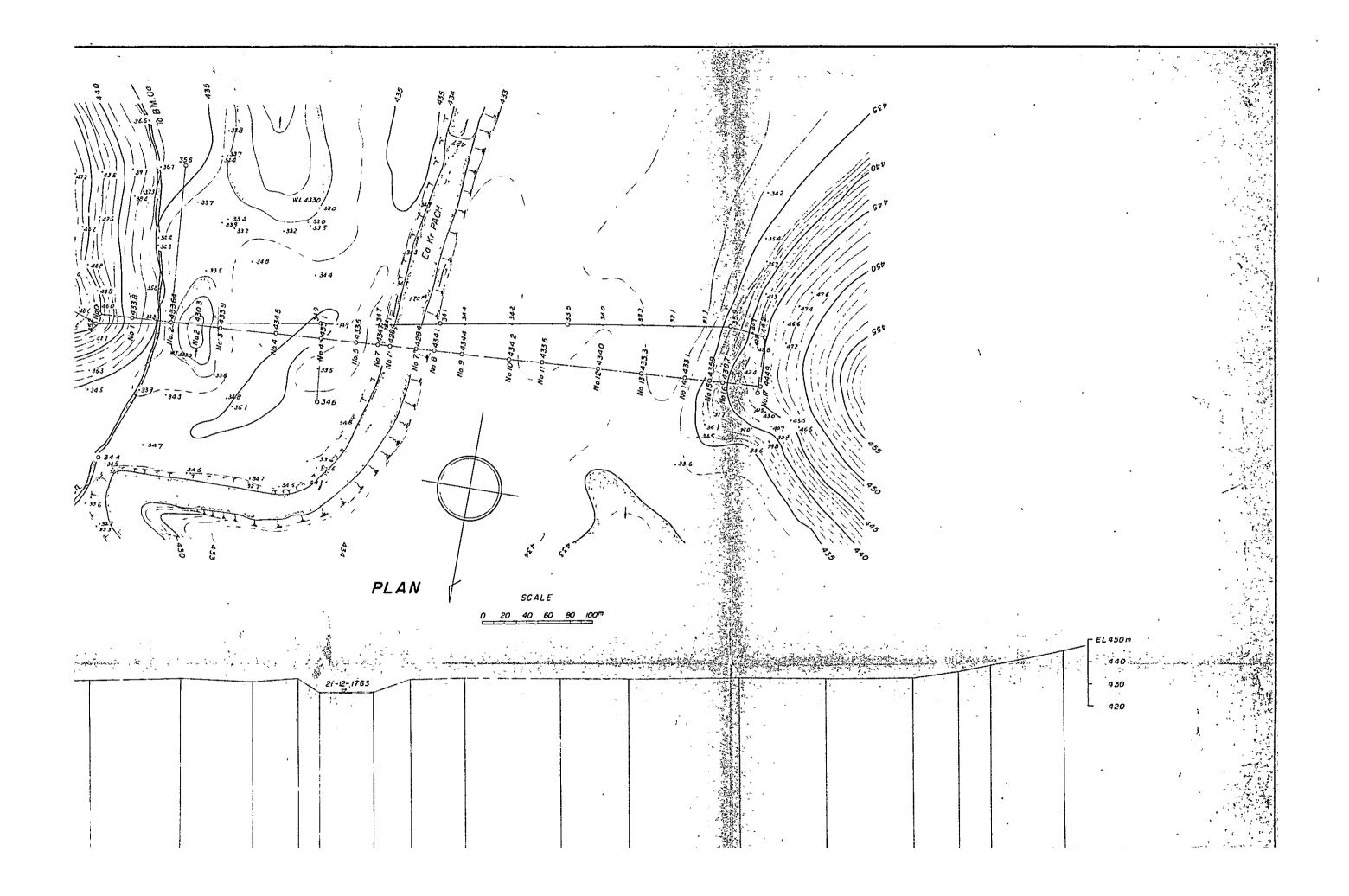
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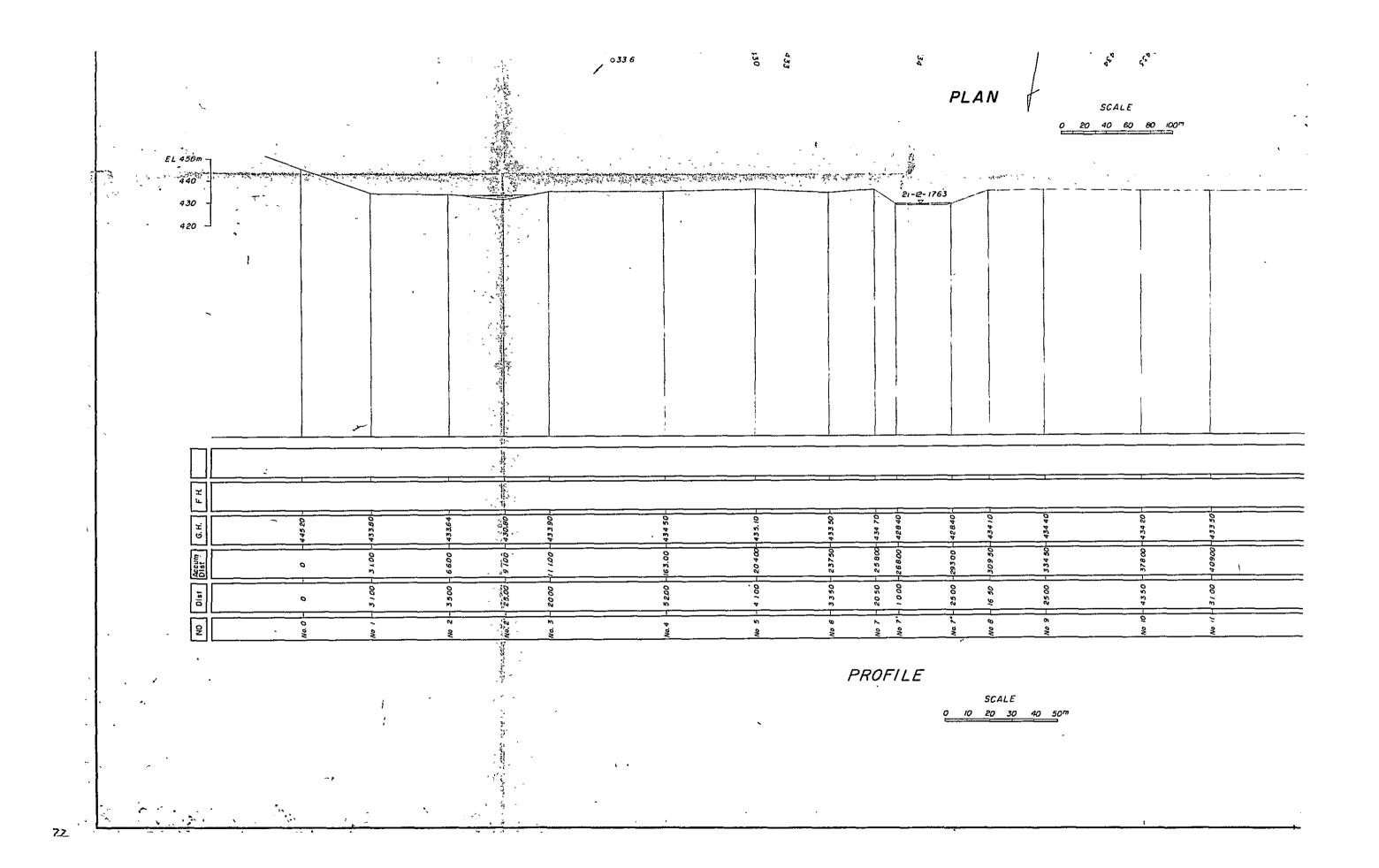
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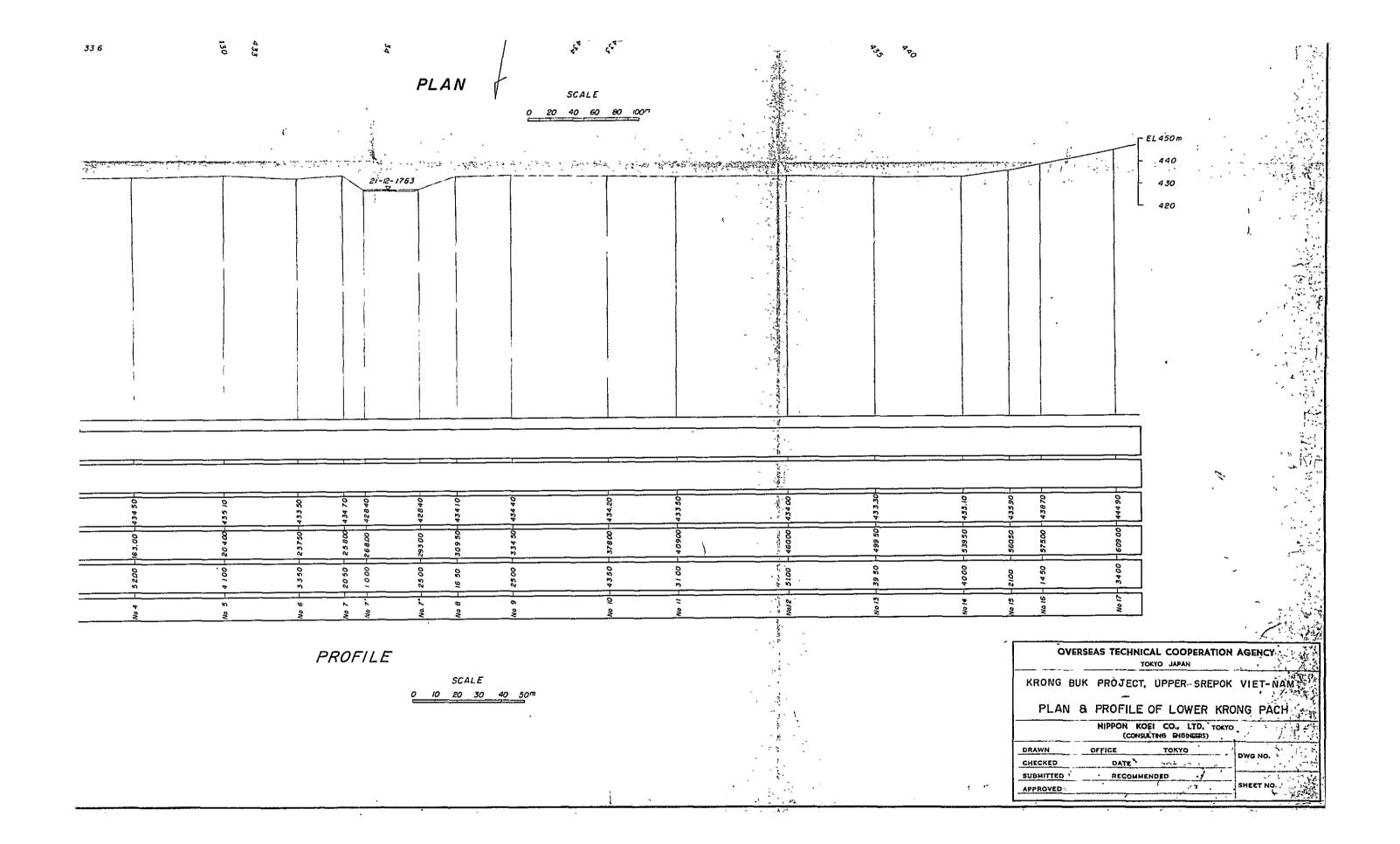
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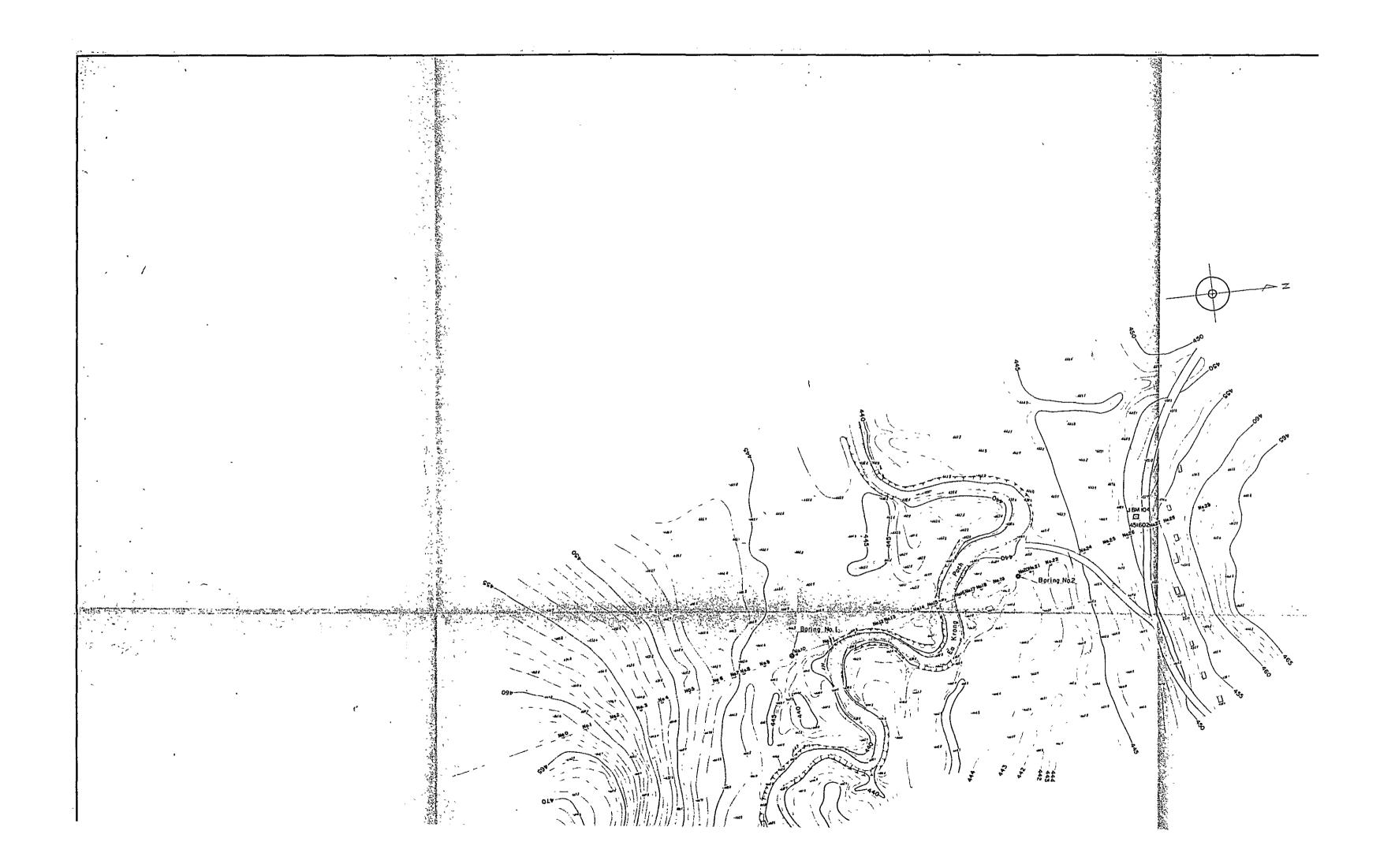
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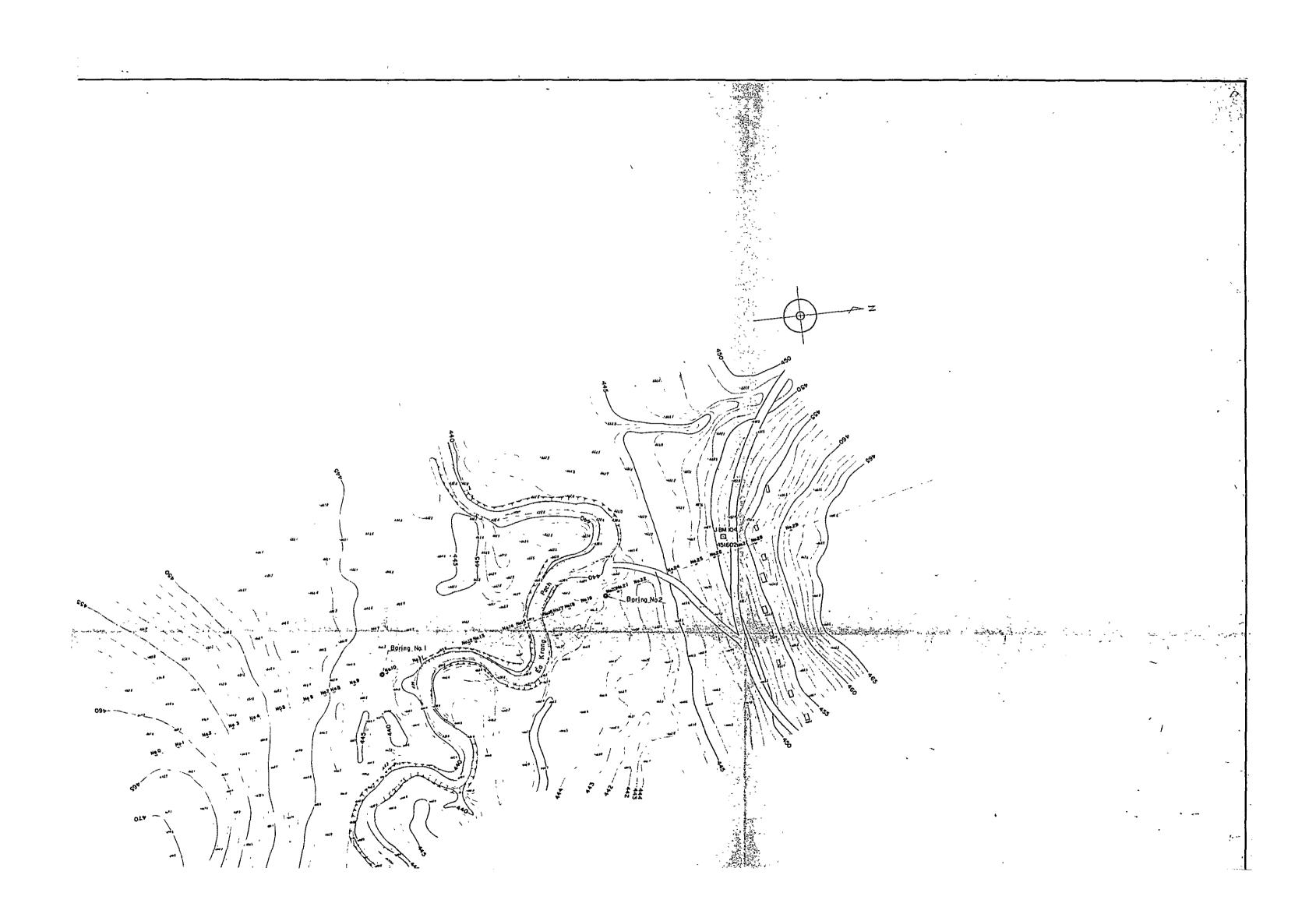


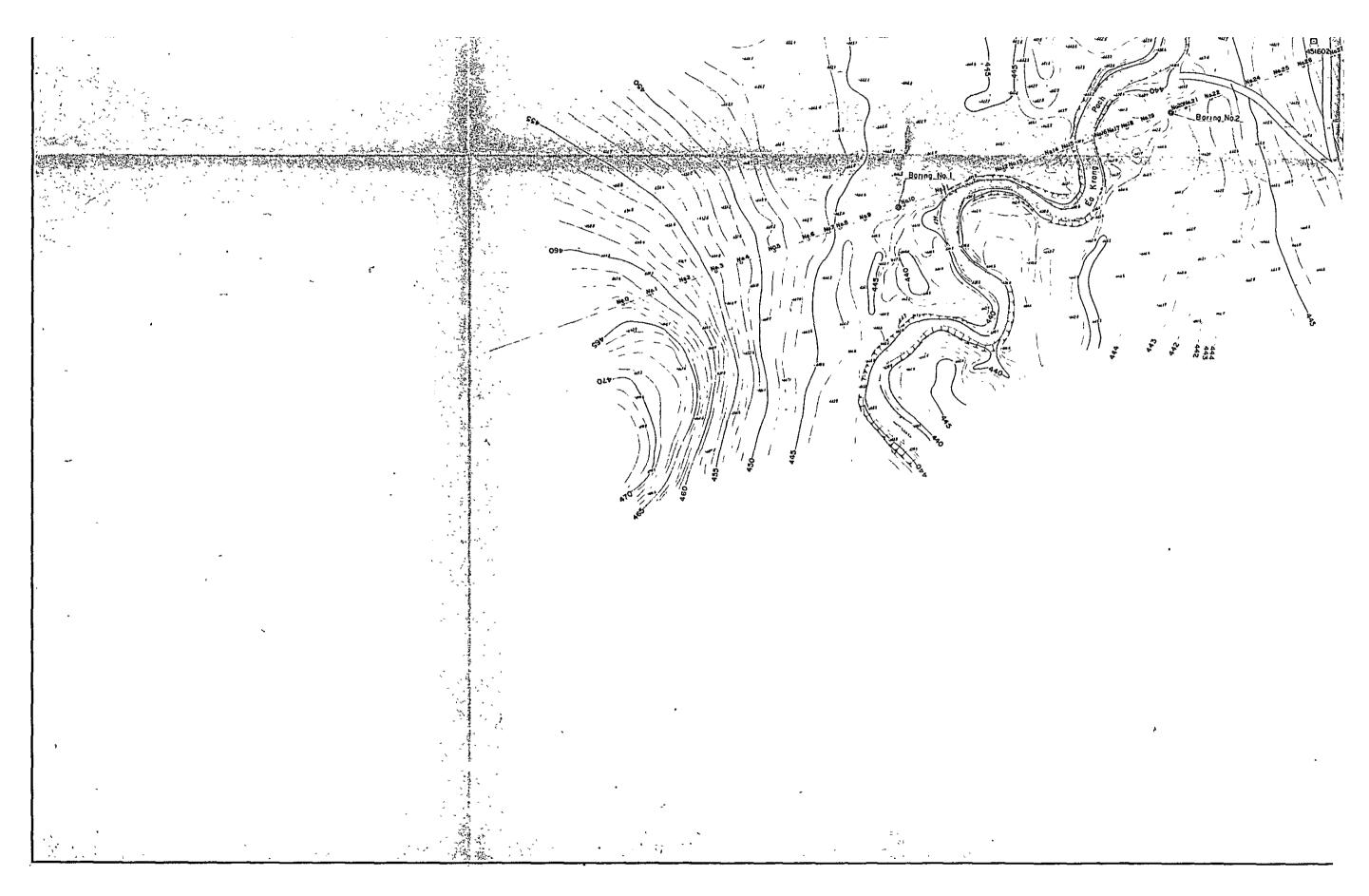


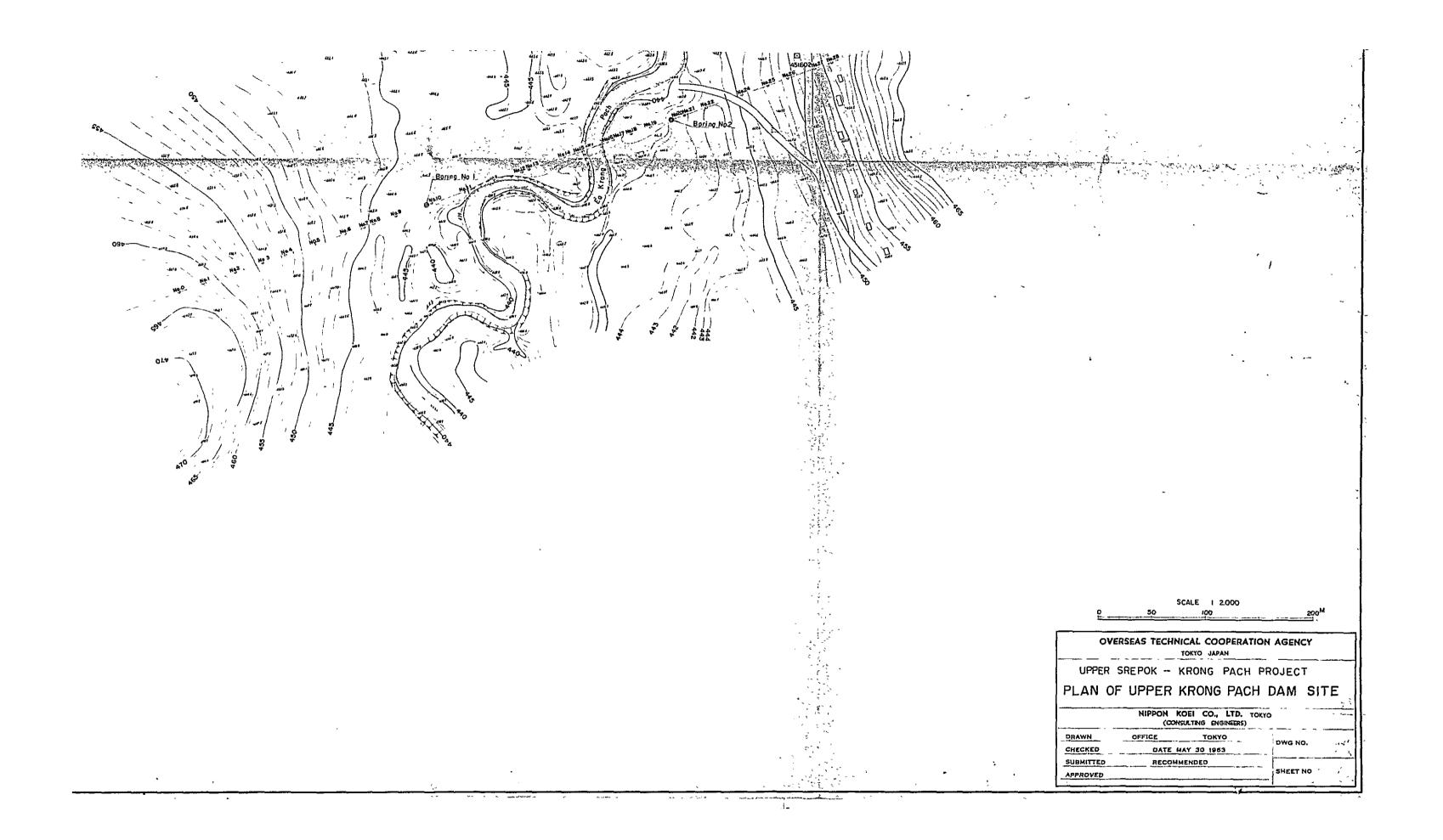


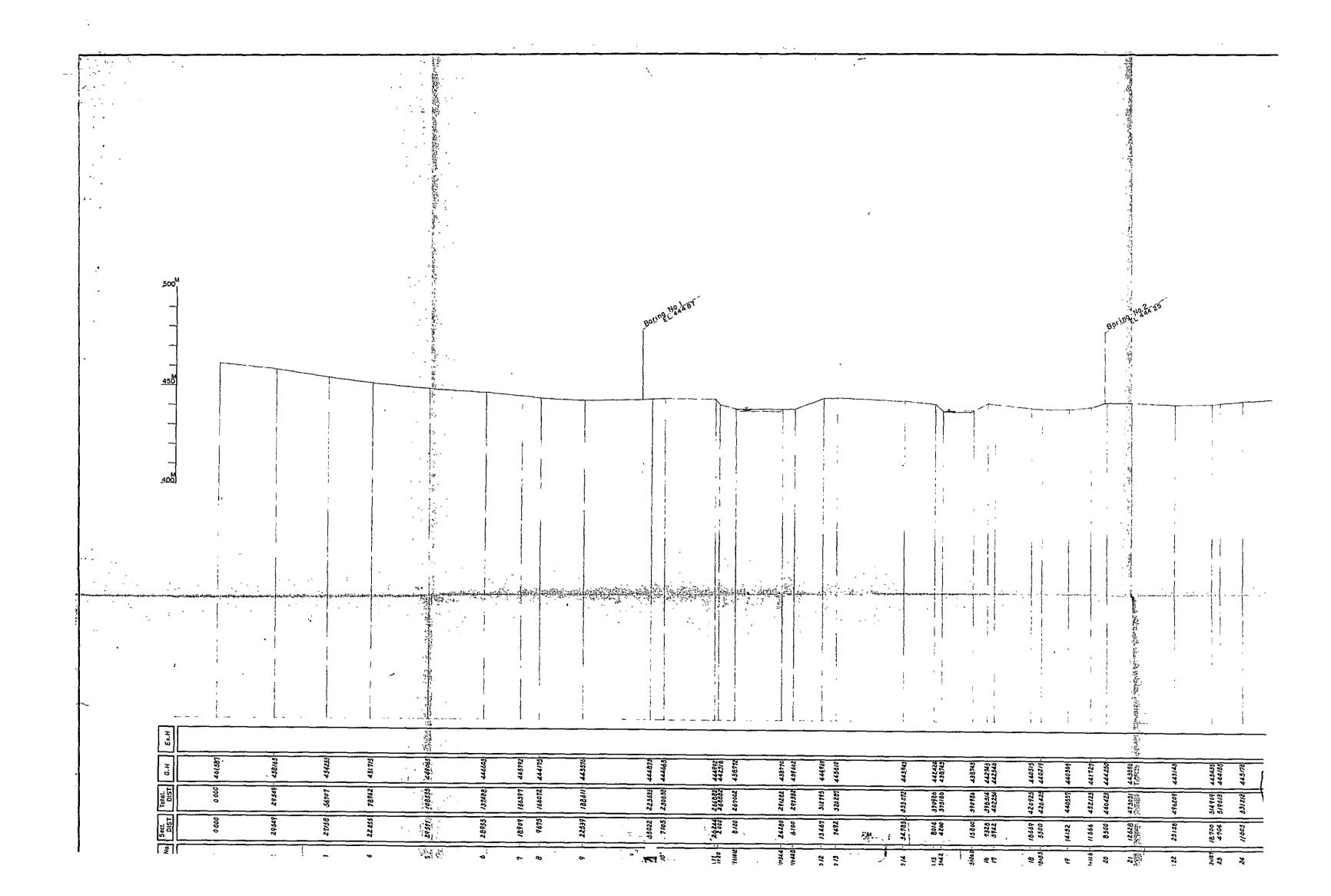


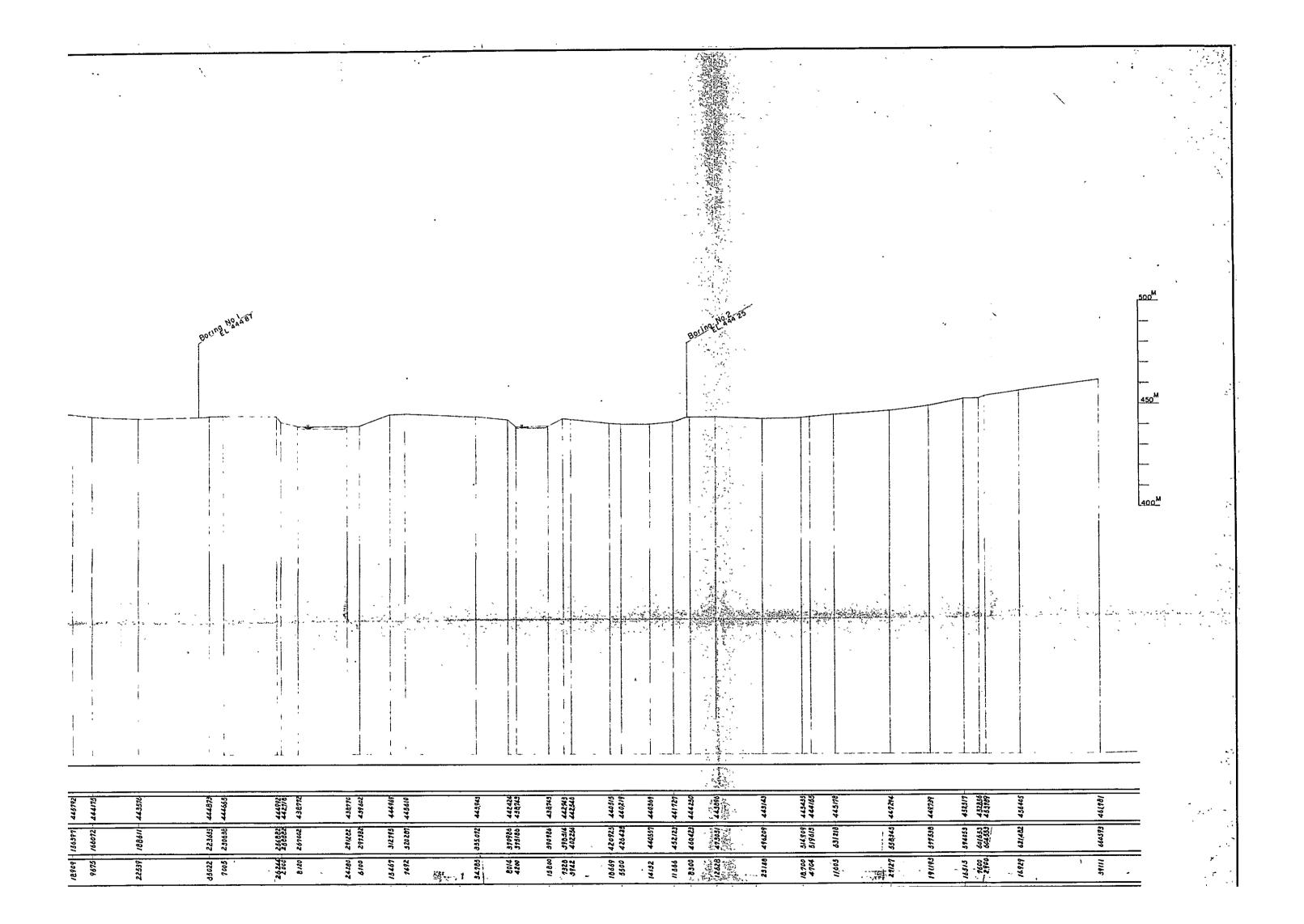




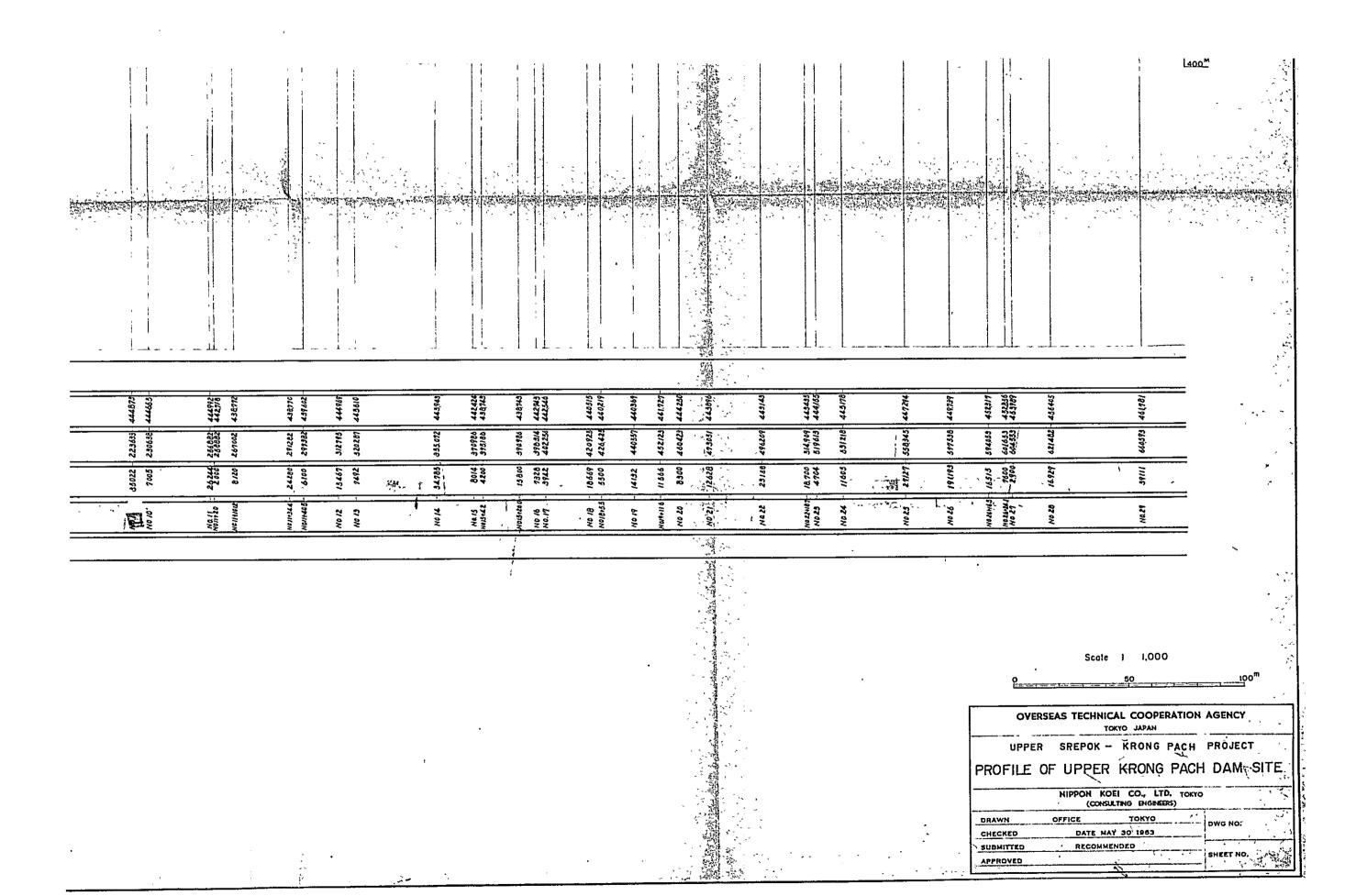


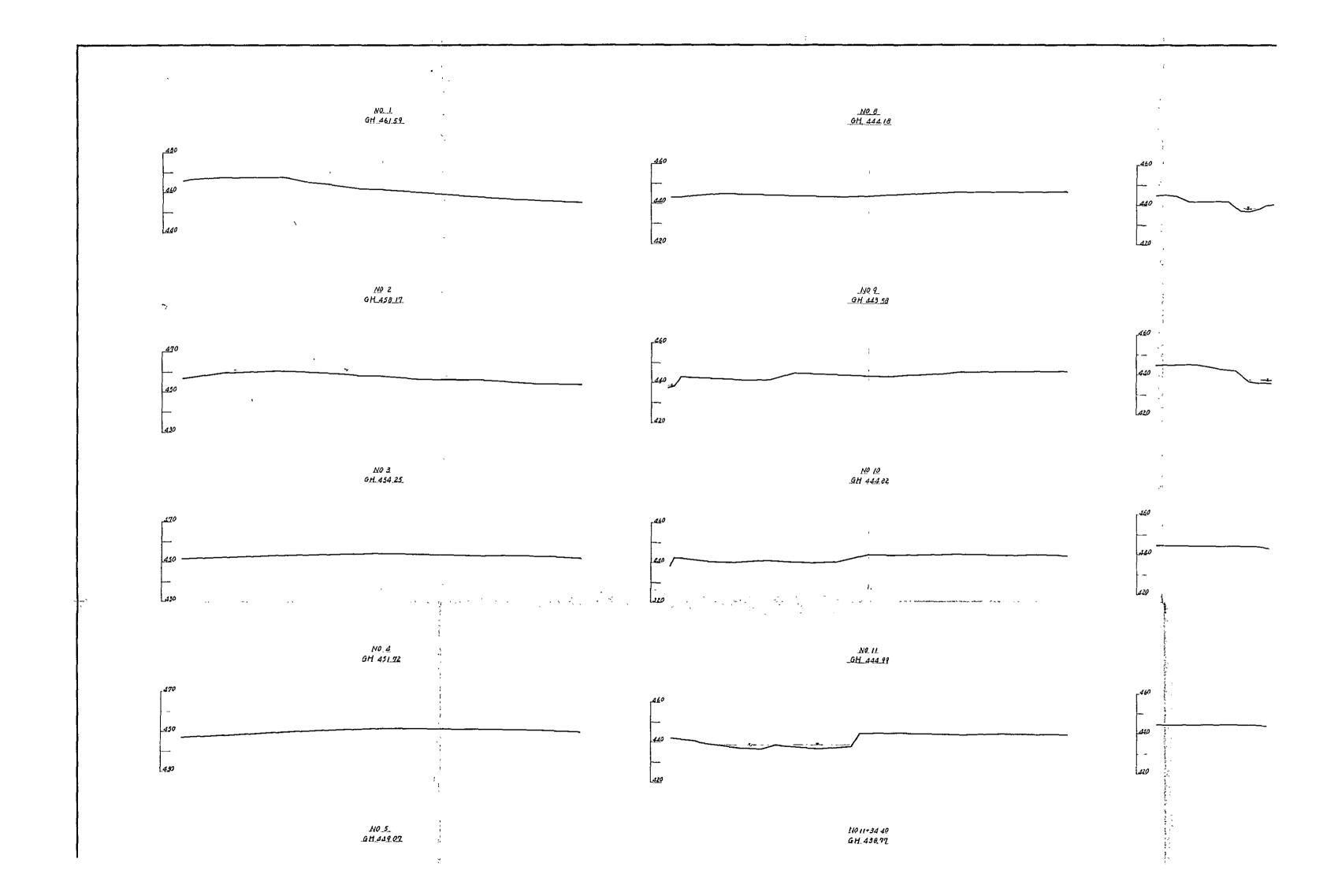


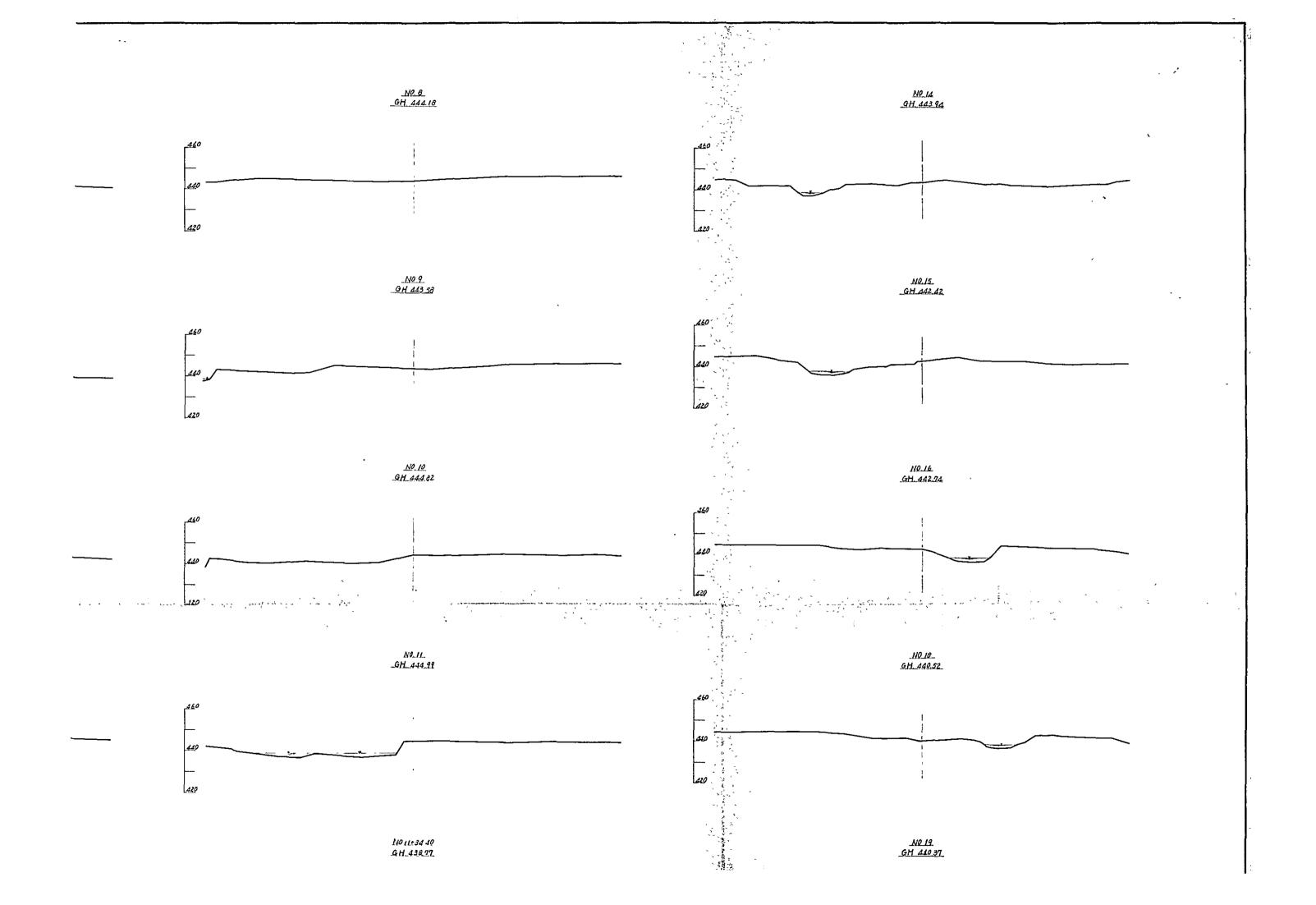


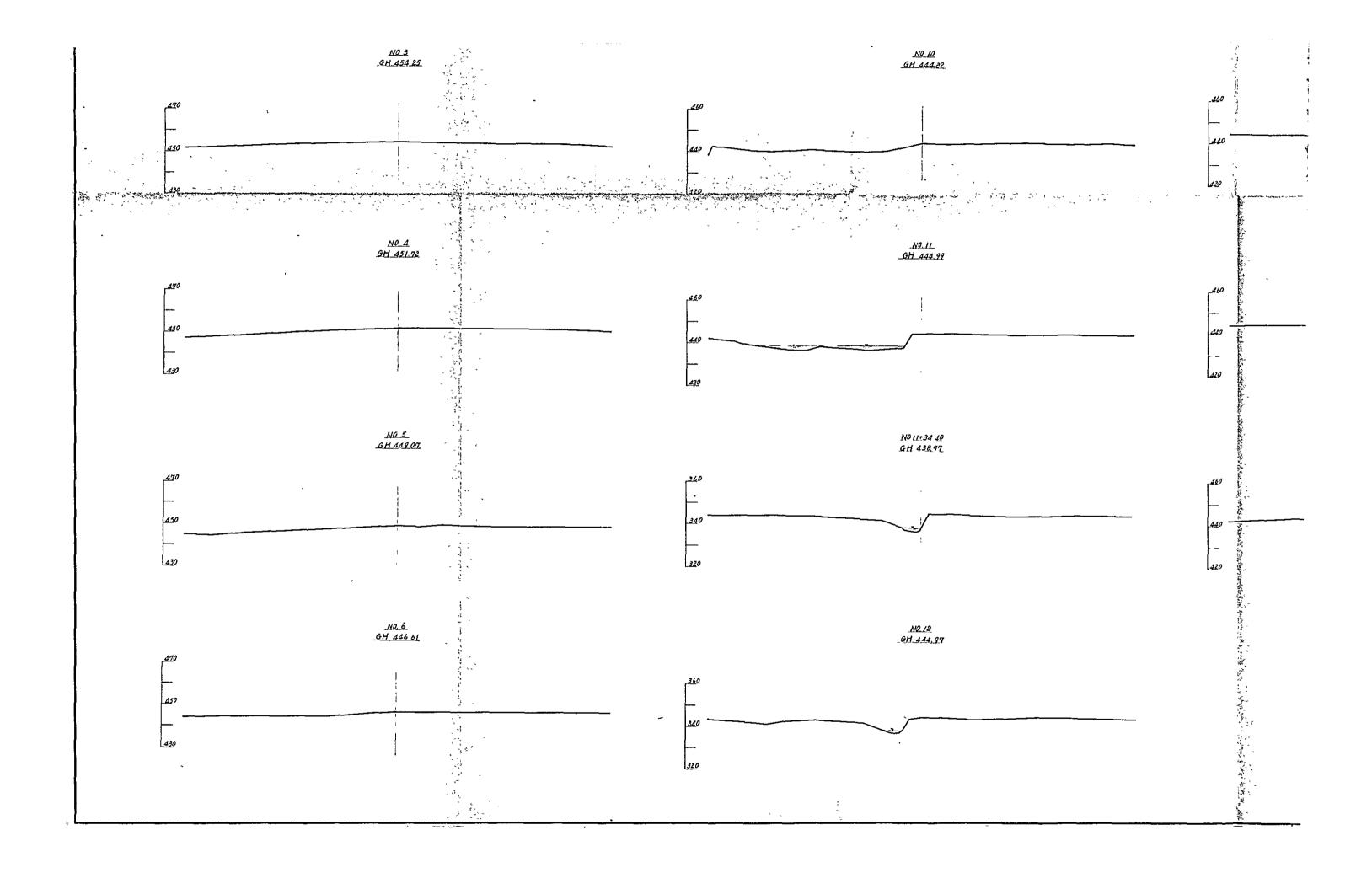


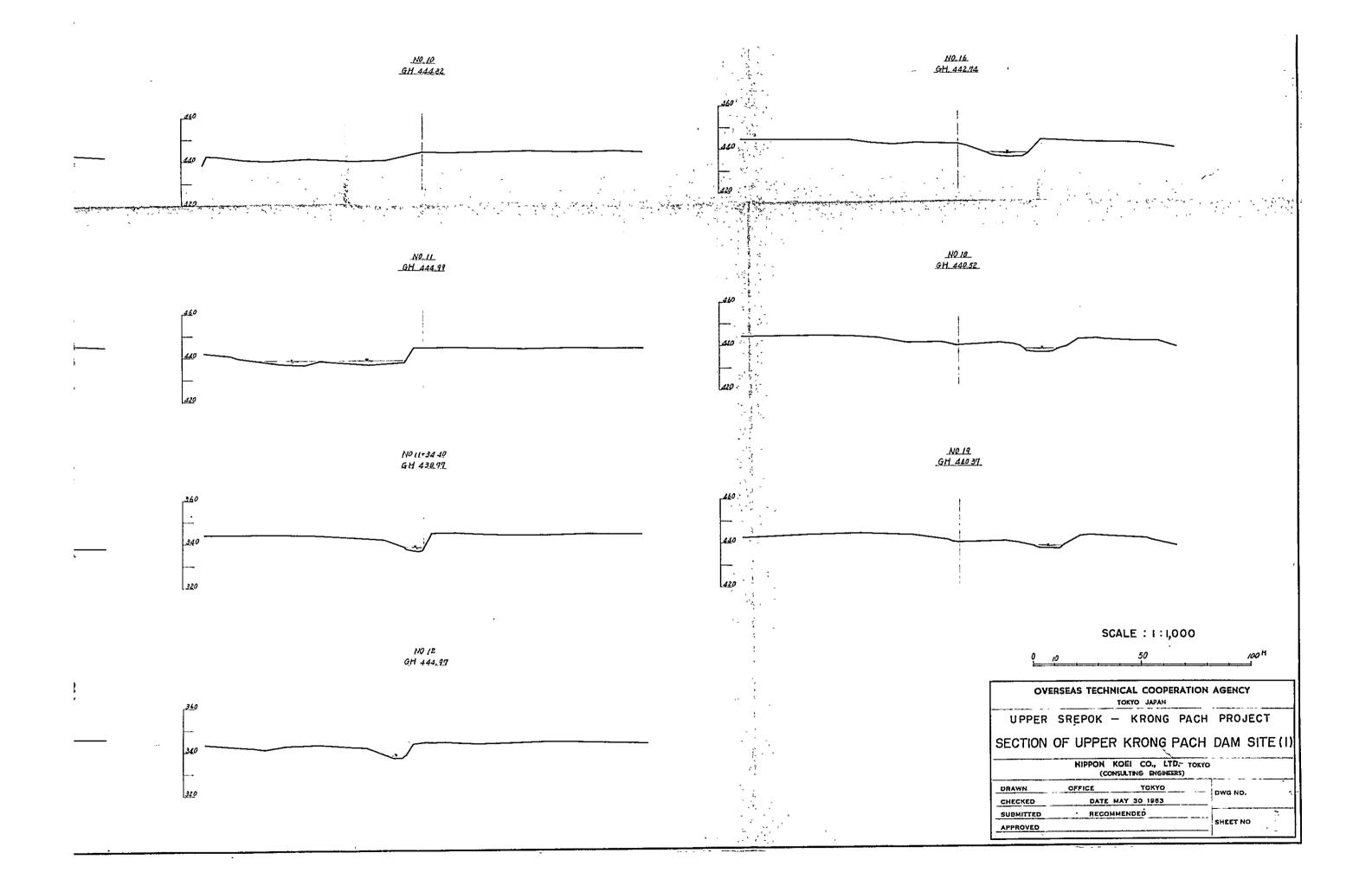
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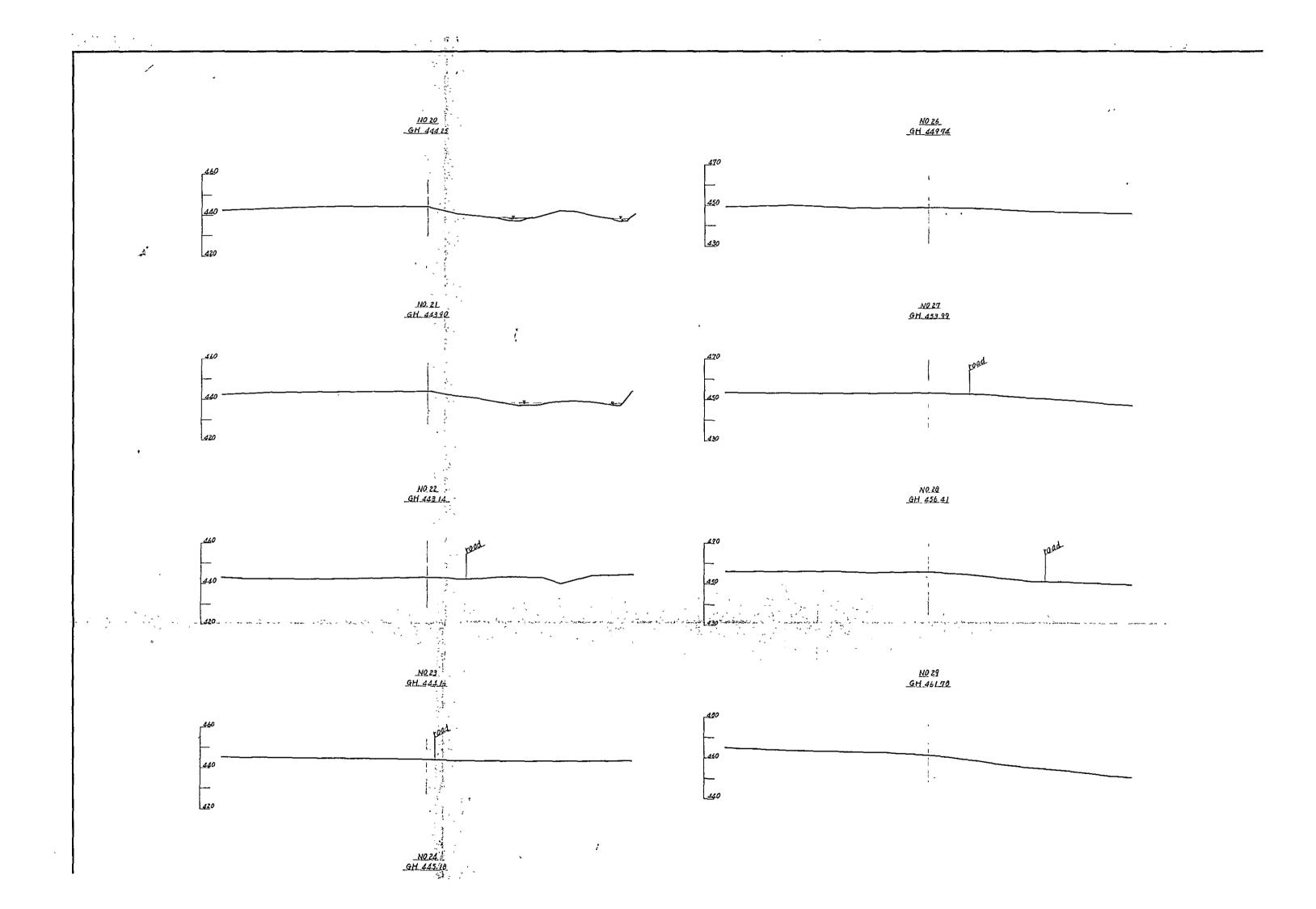


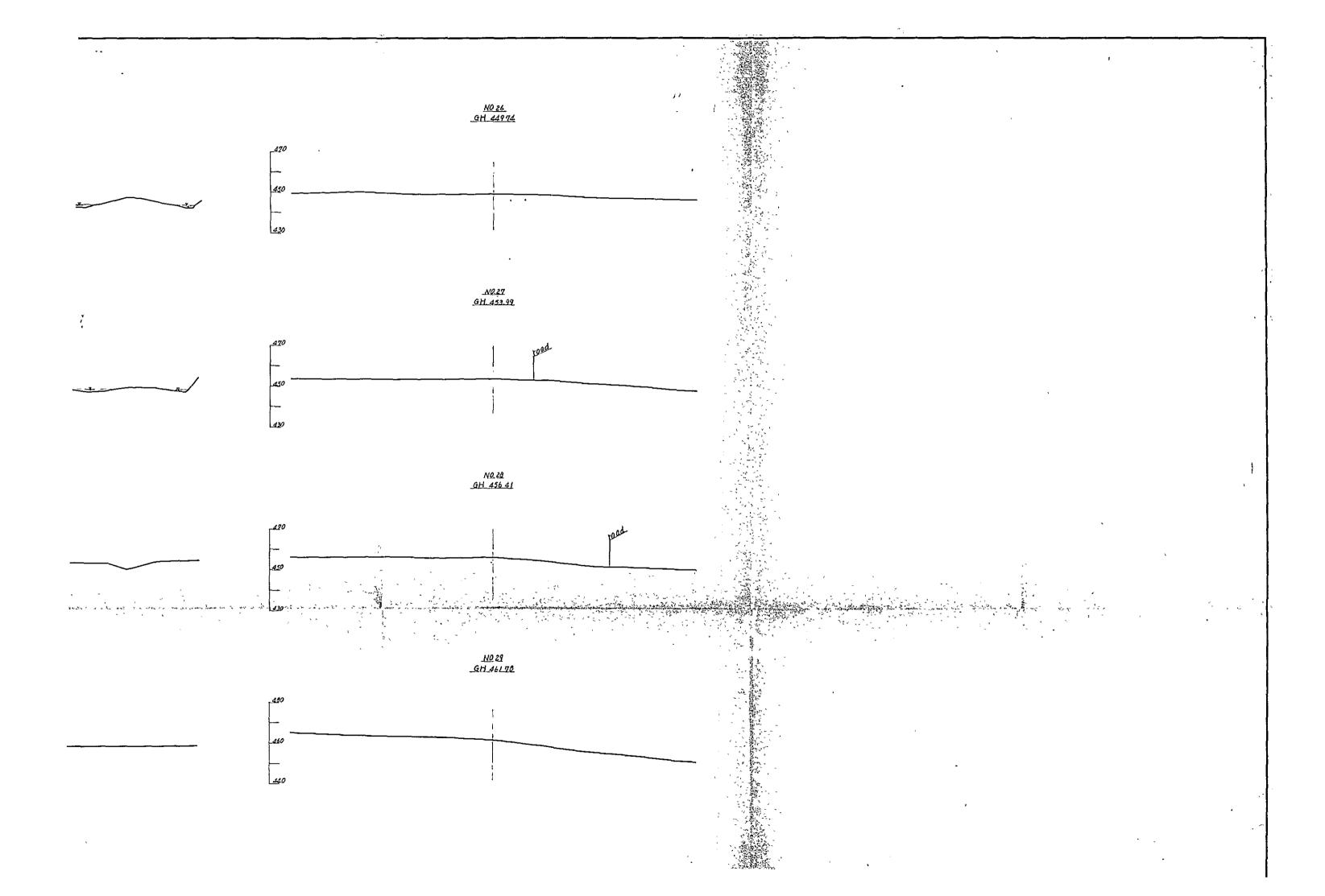


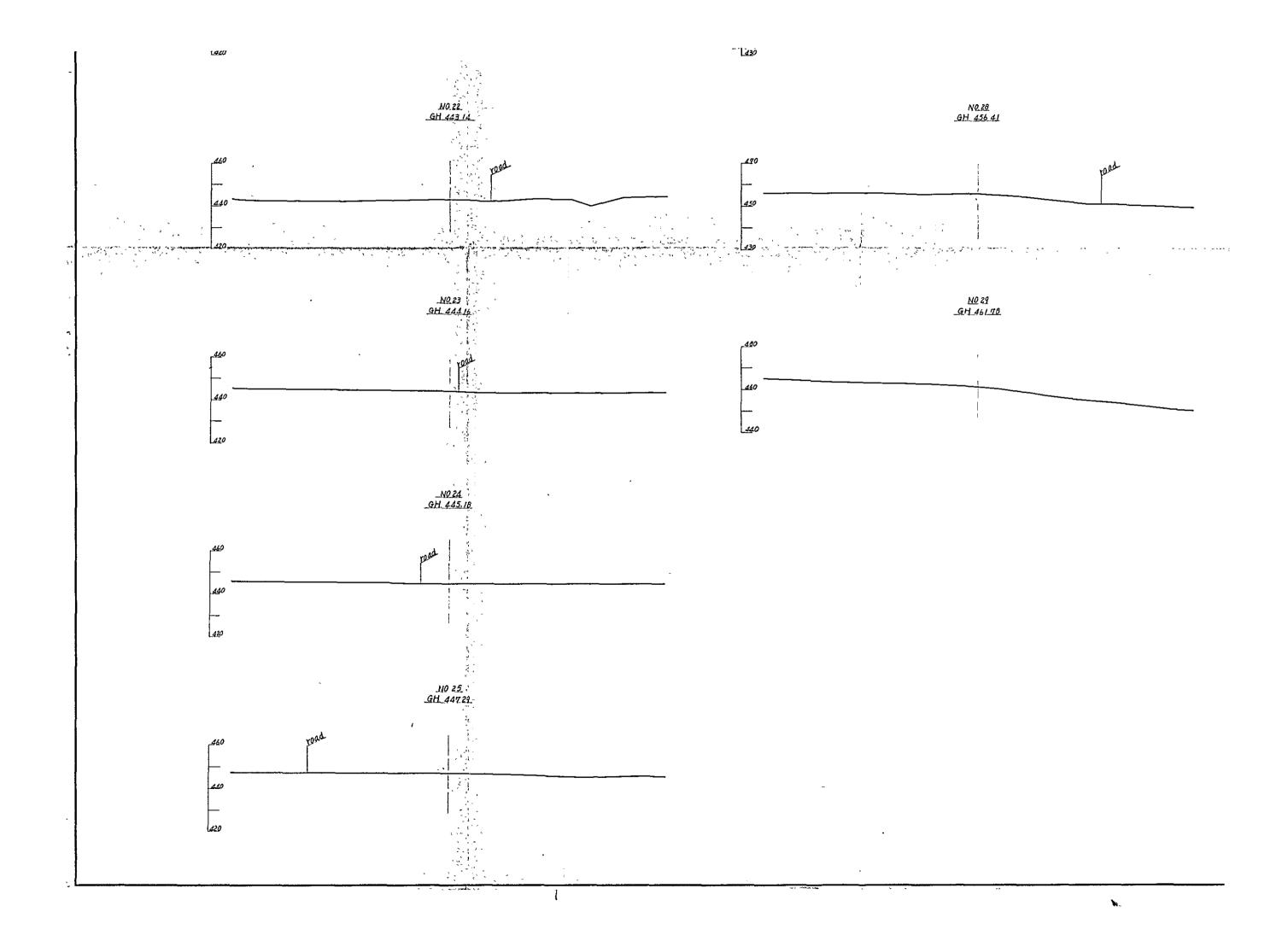




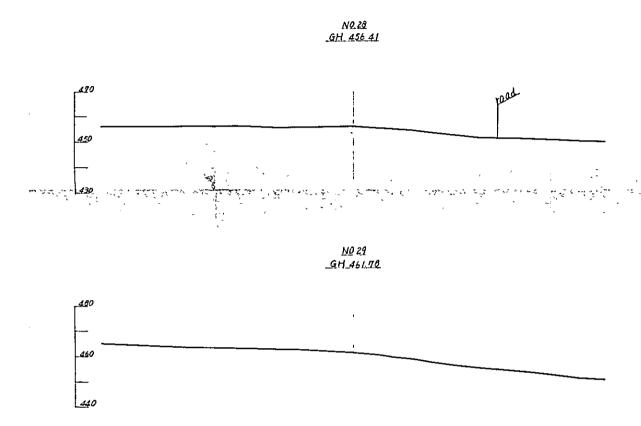












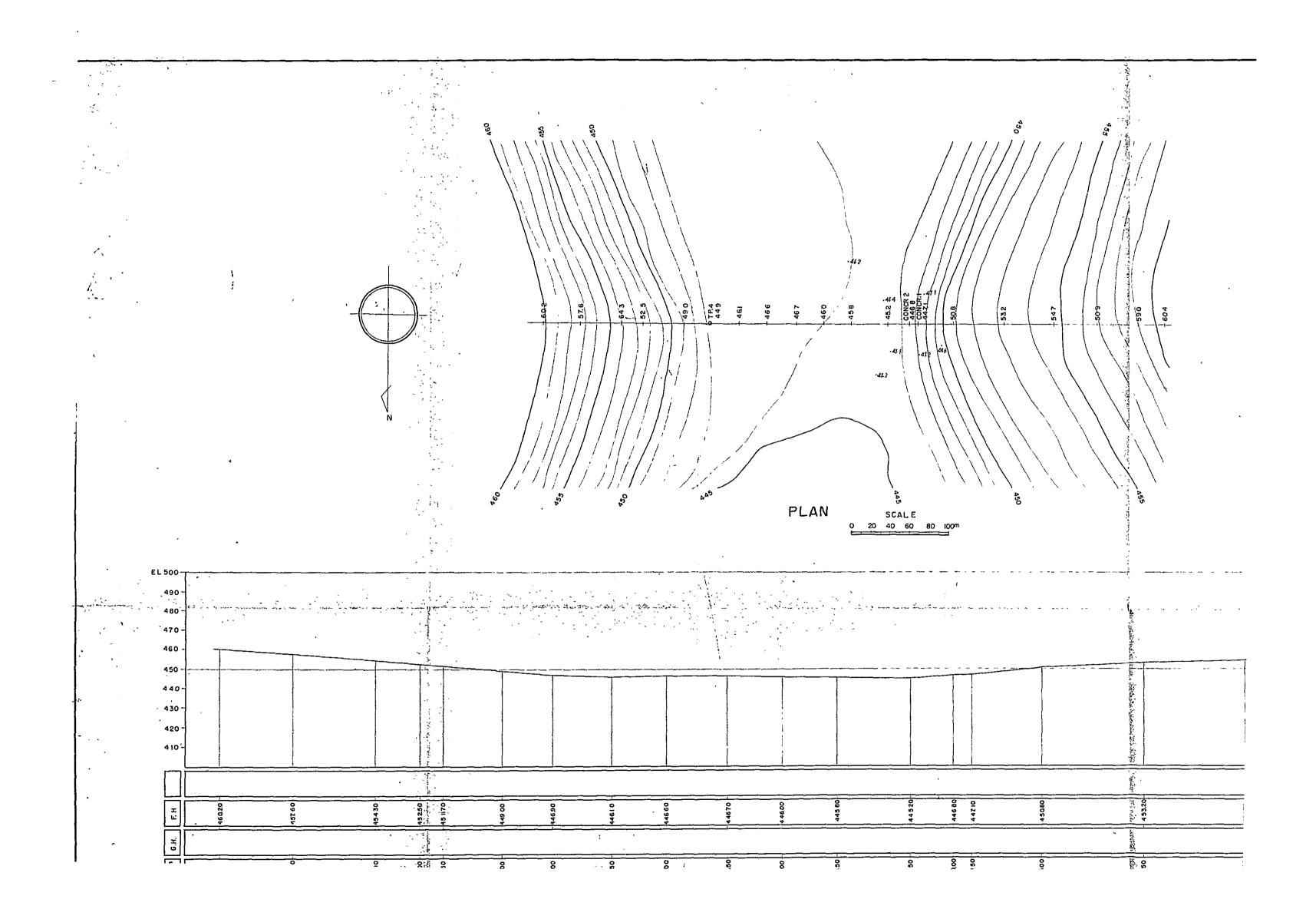
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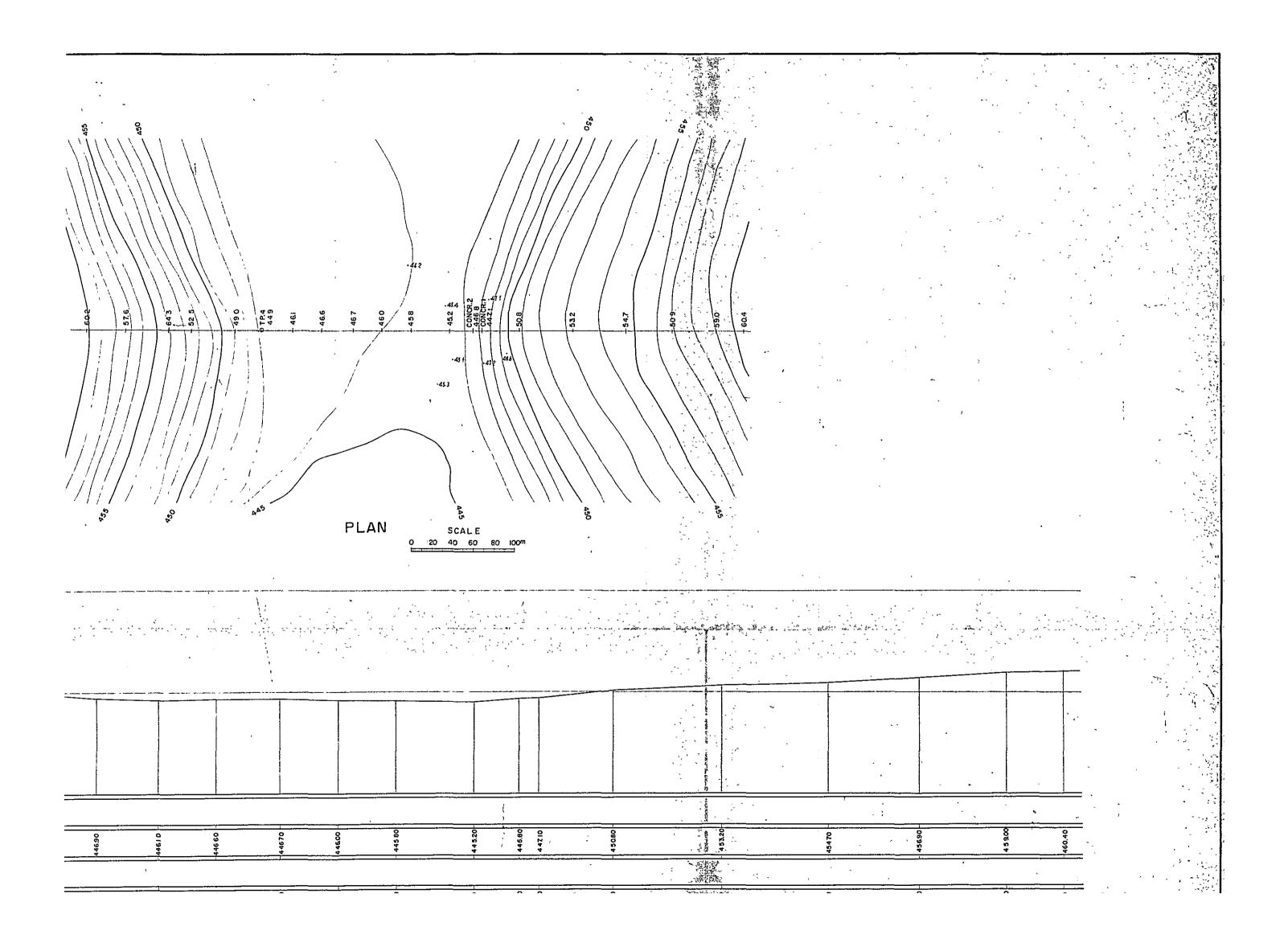
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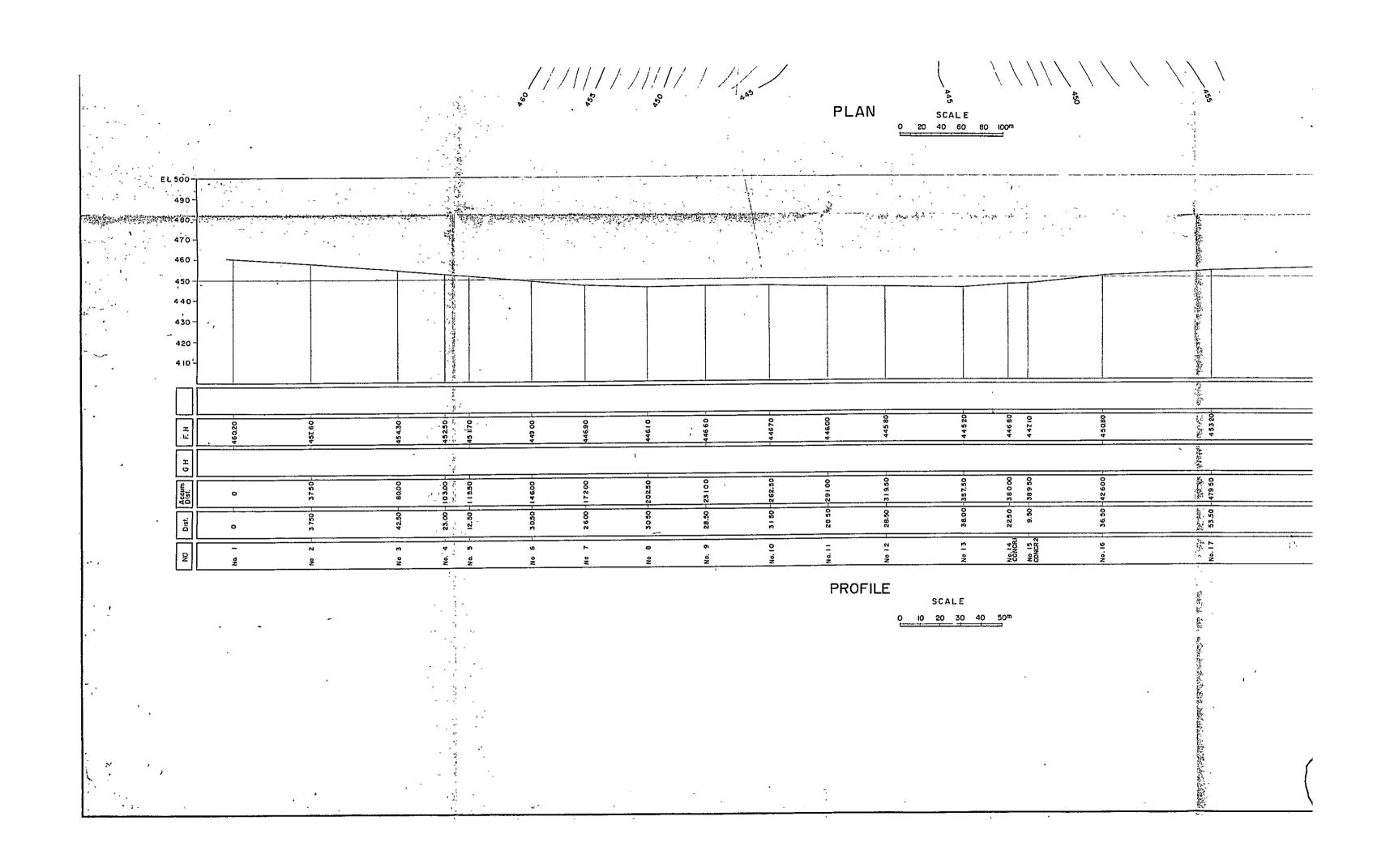
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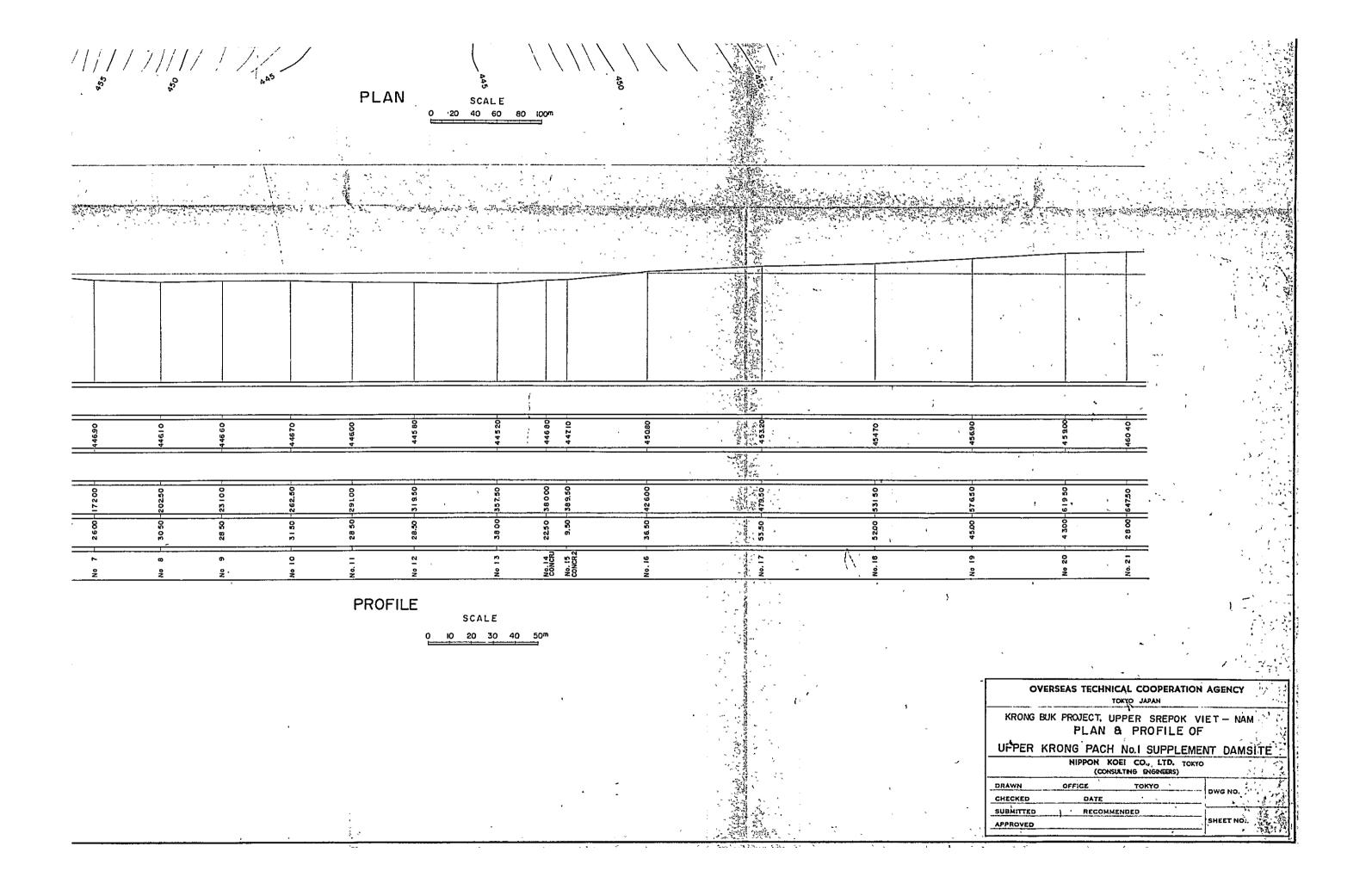
UPPER SREPOK - KRONG PACH PROJECT
SECTION OF UPPER KRONG PACH DAM SITE (2)

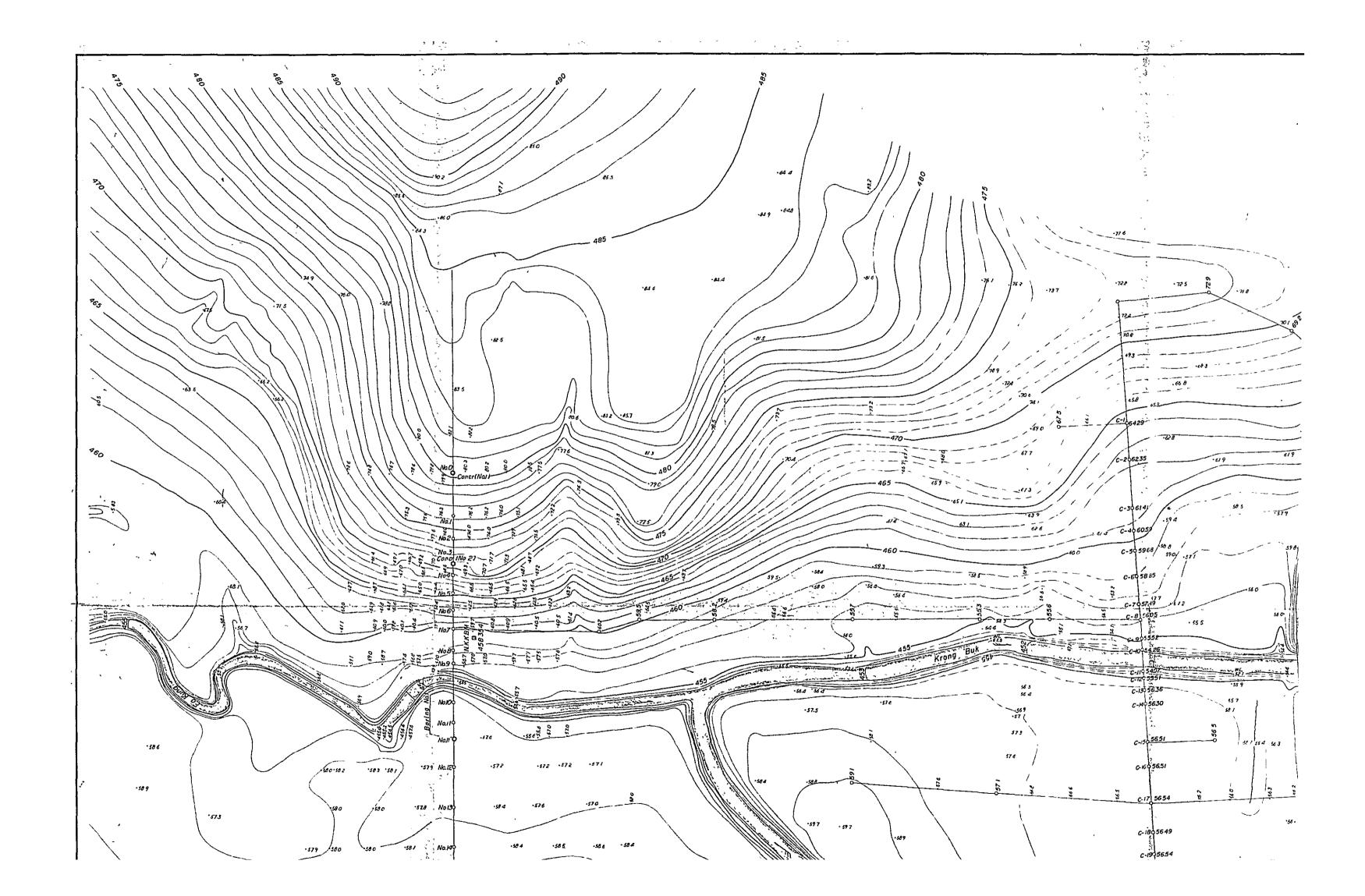
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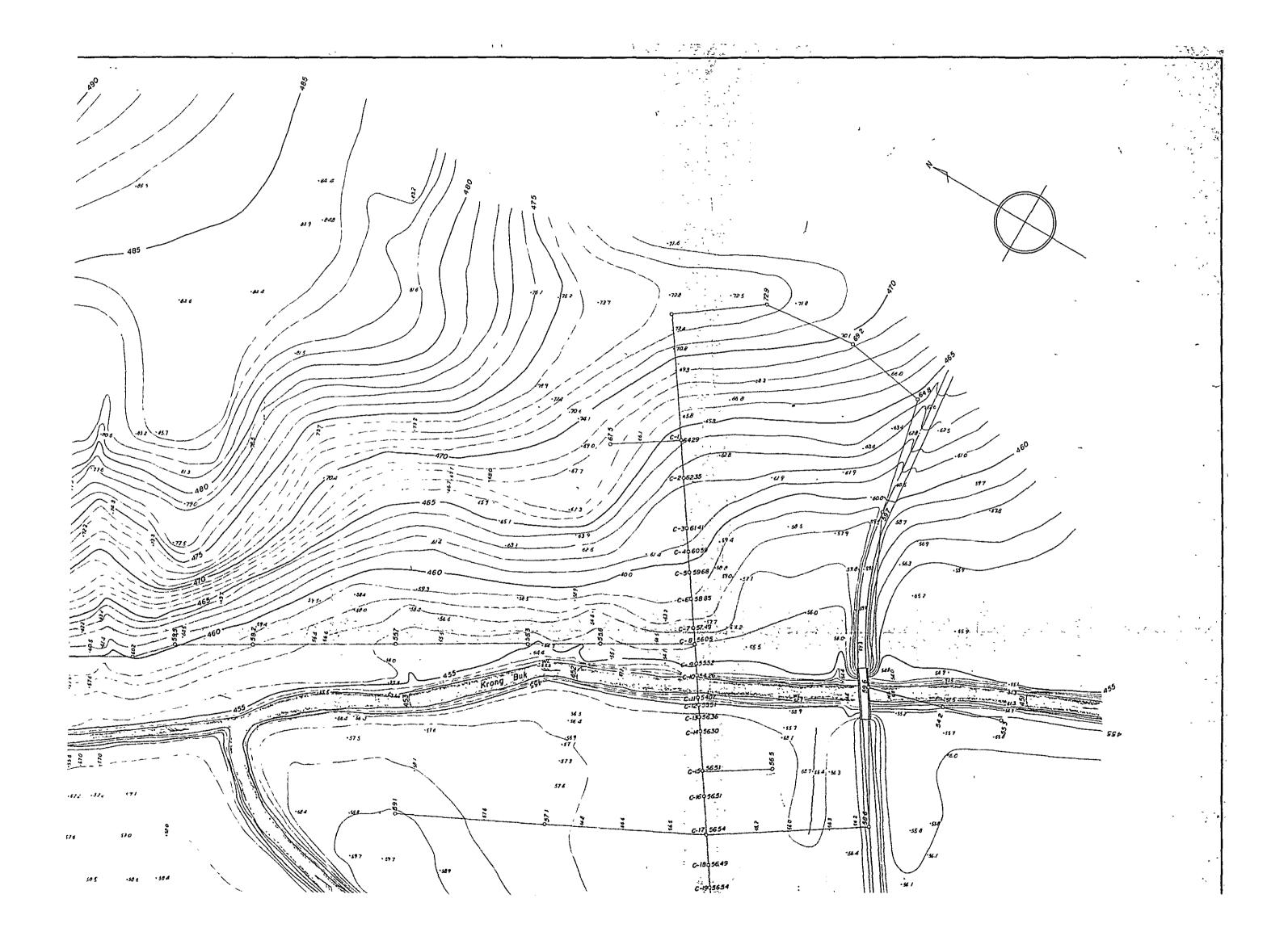


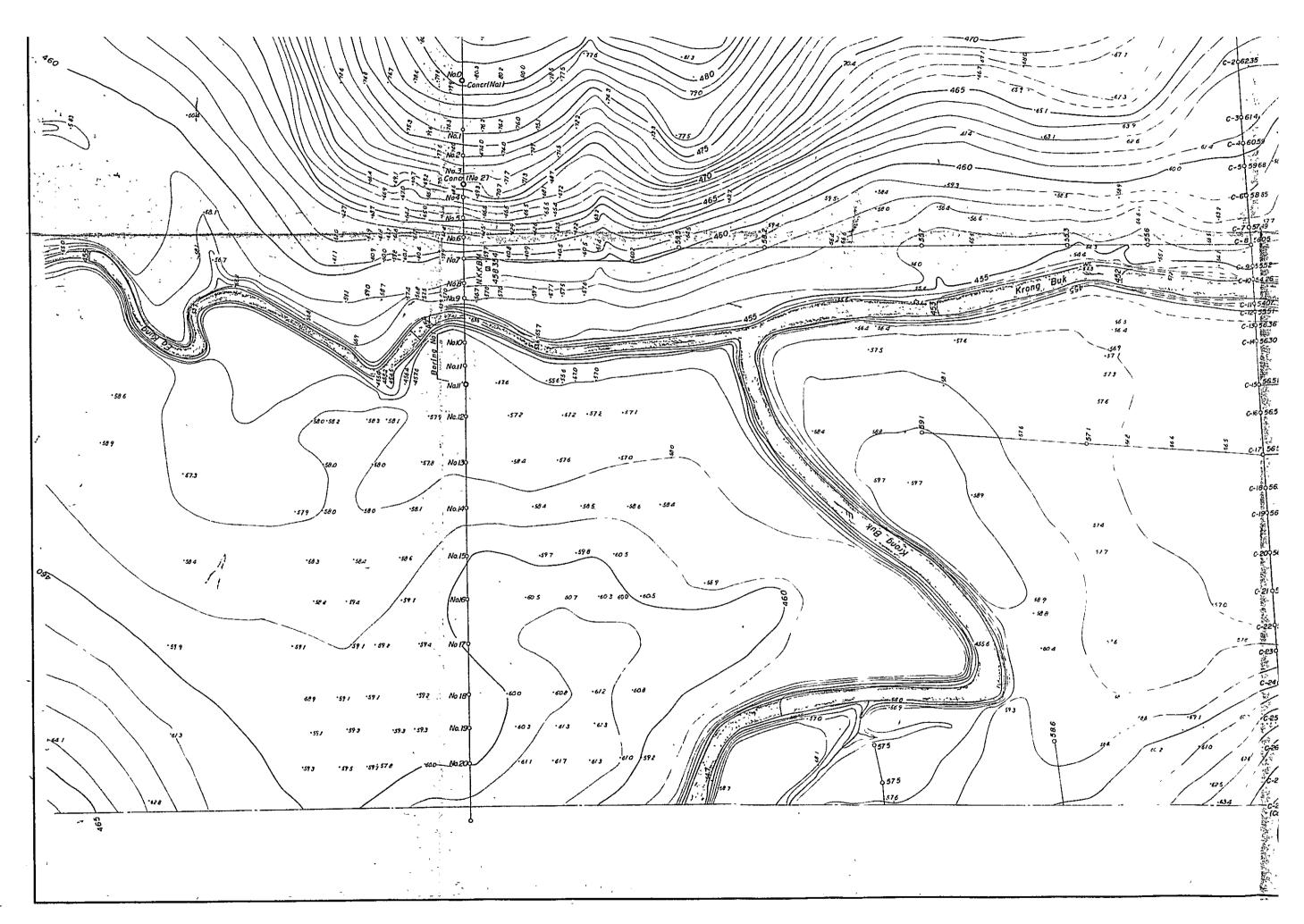


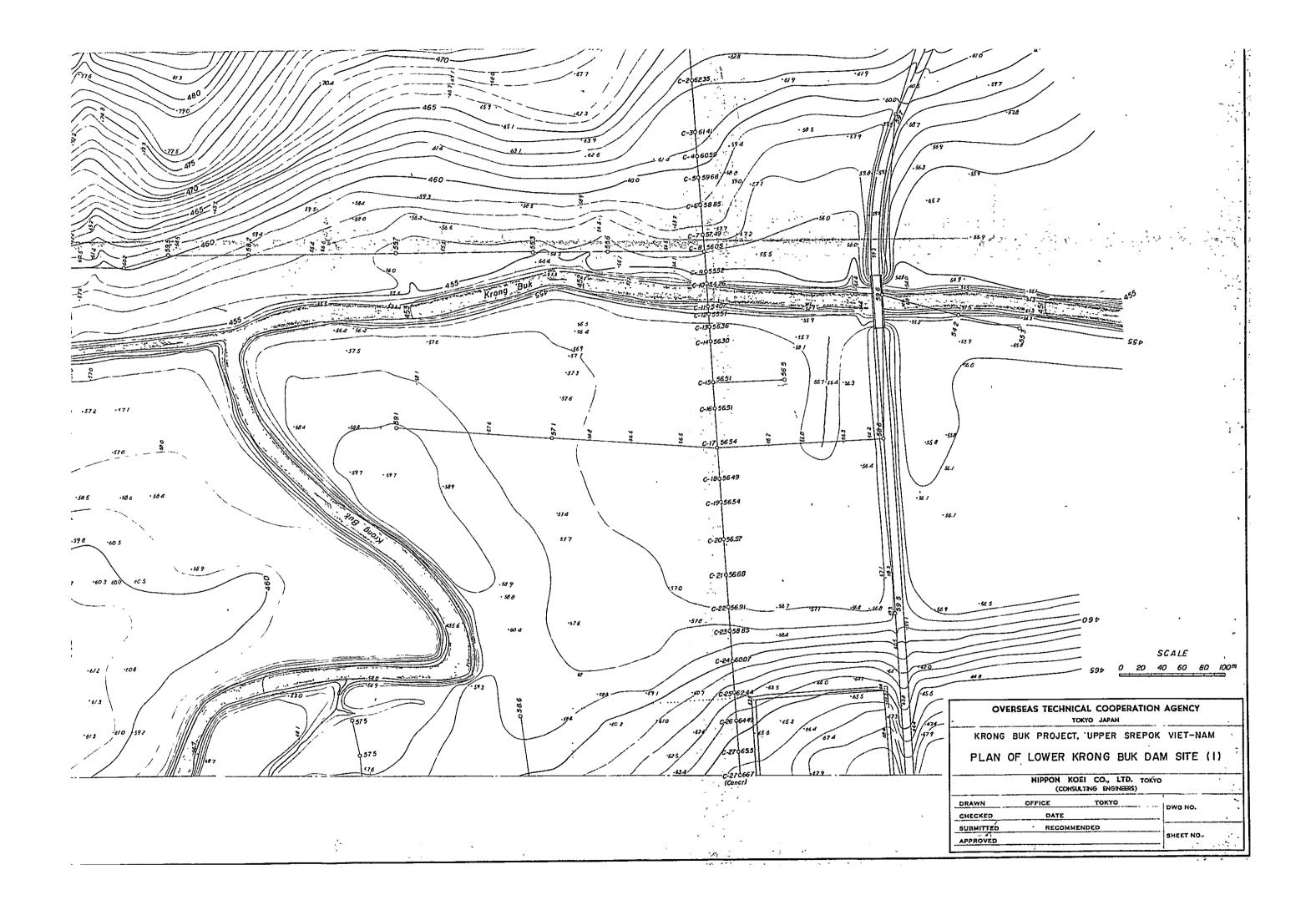


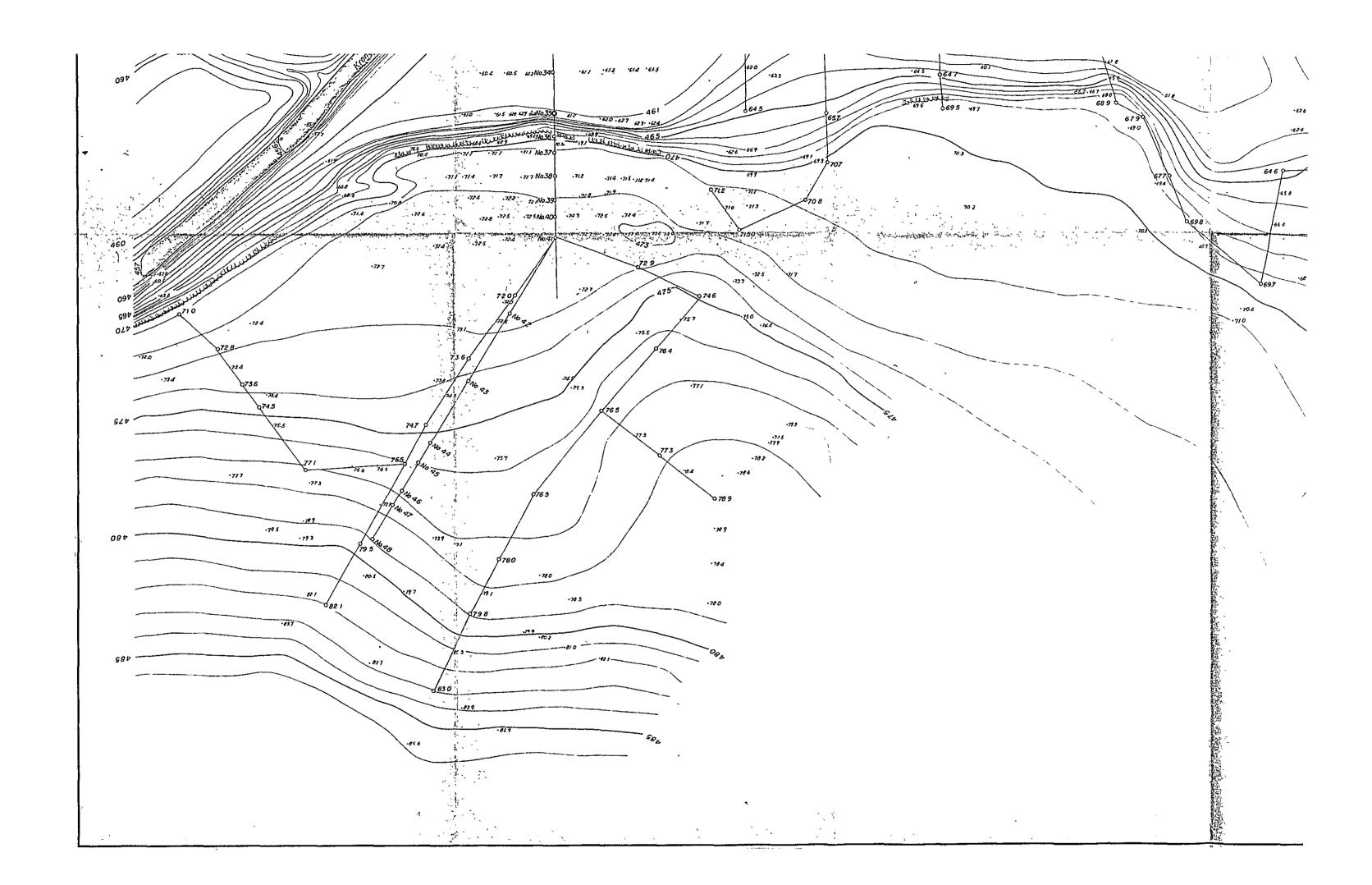


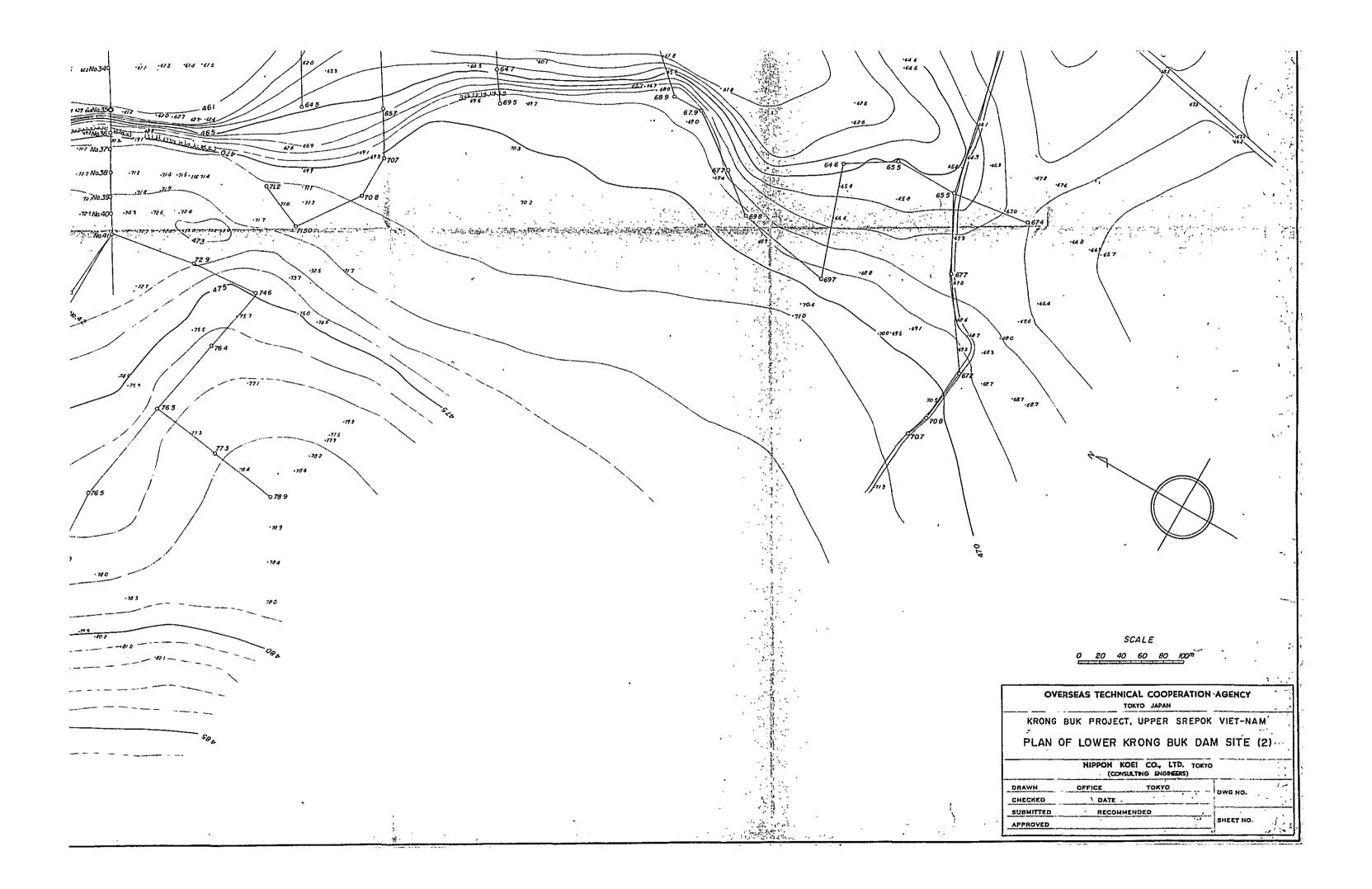










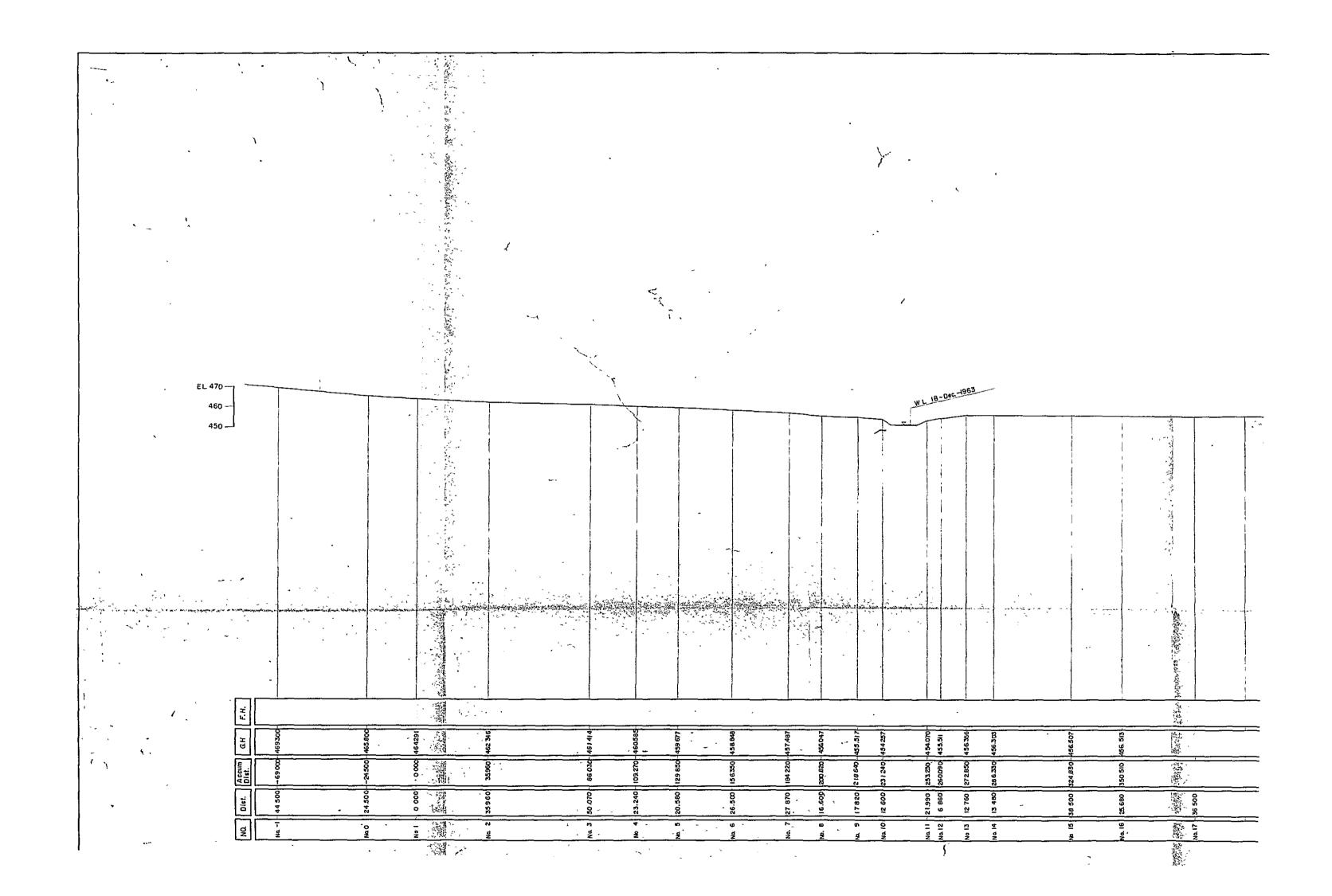


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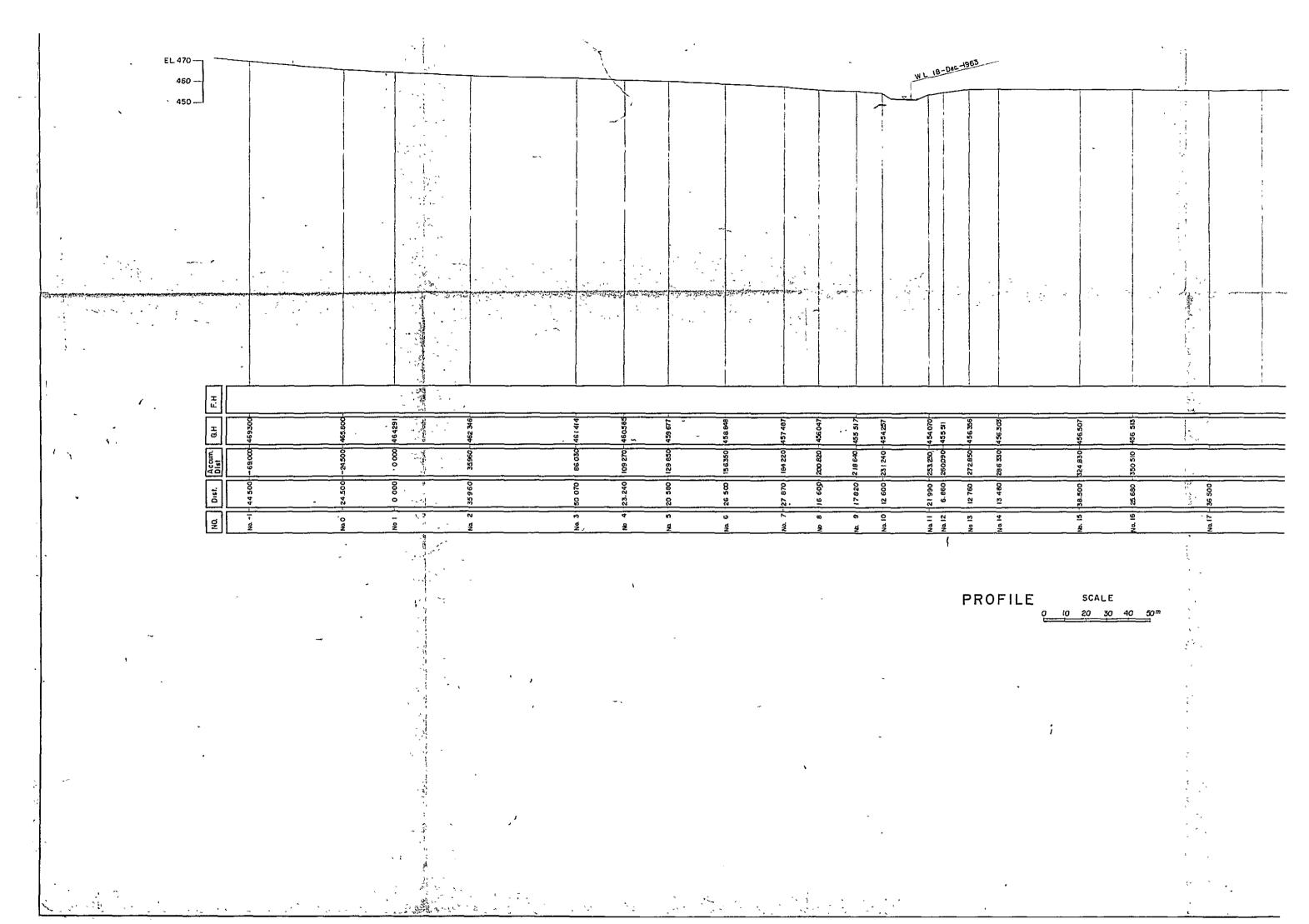
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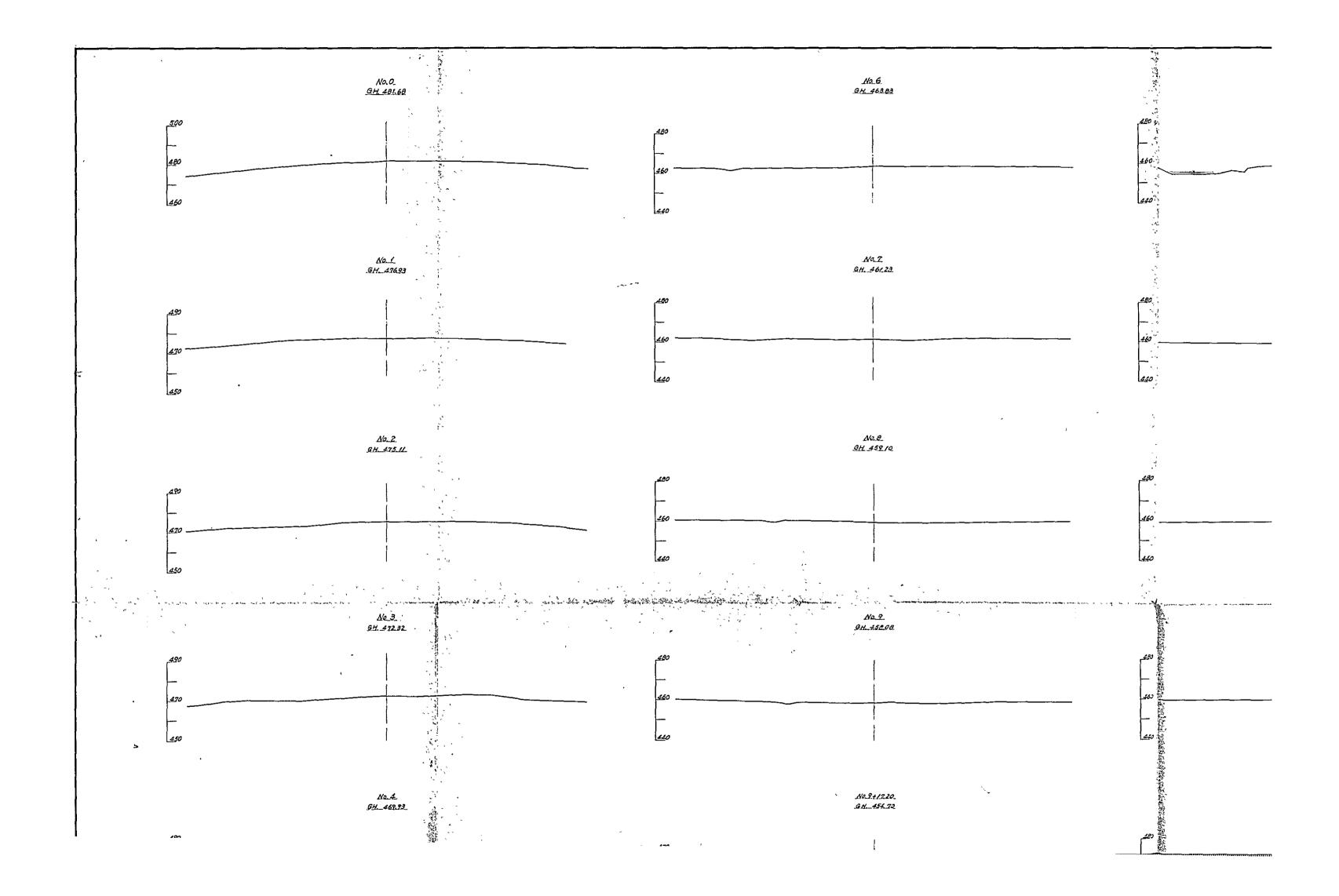
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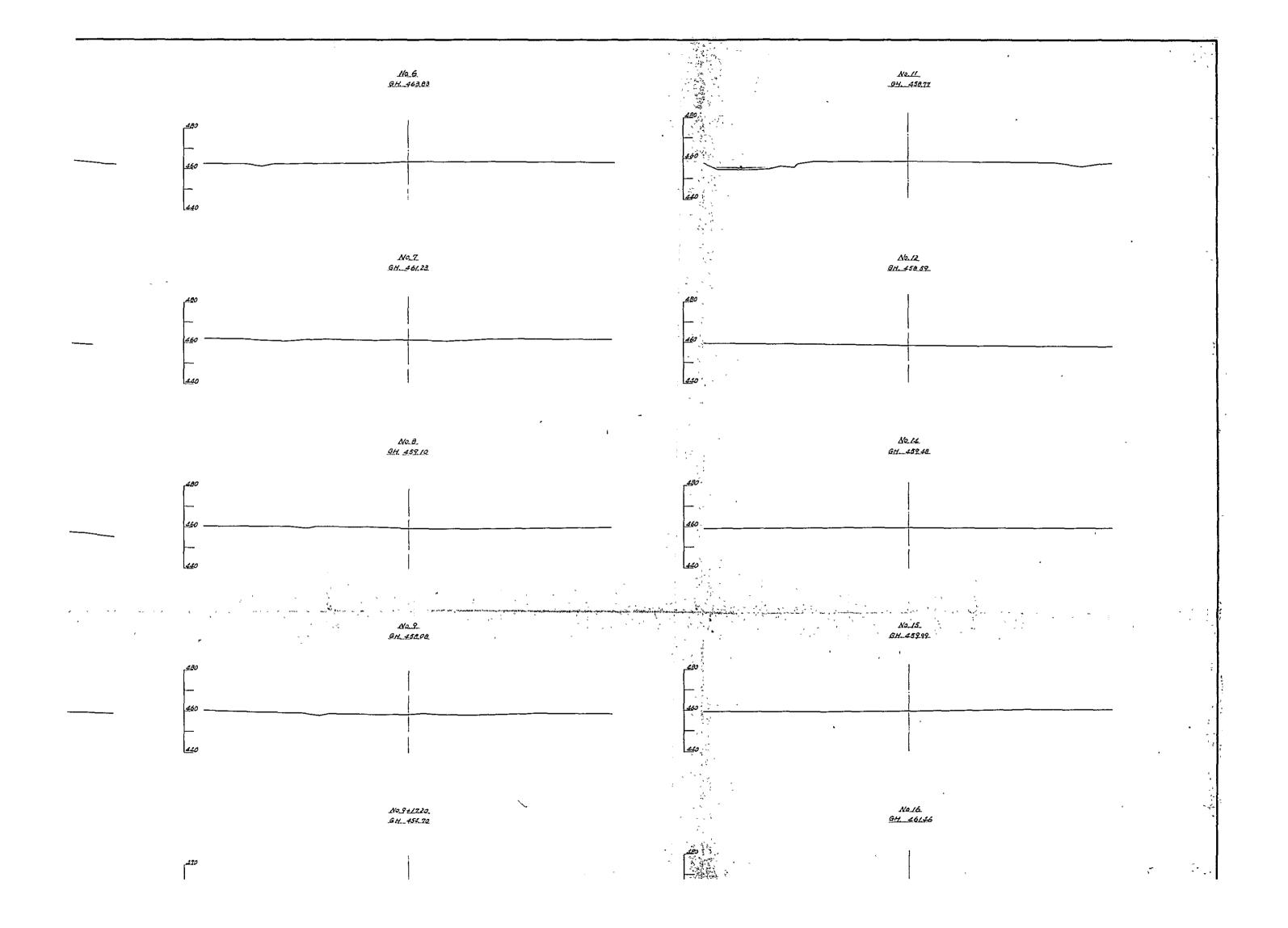


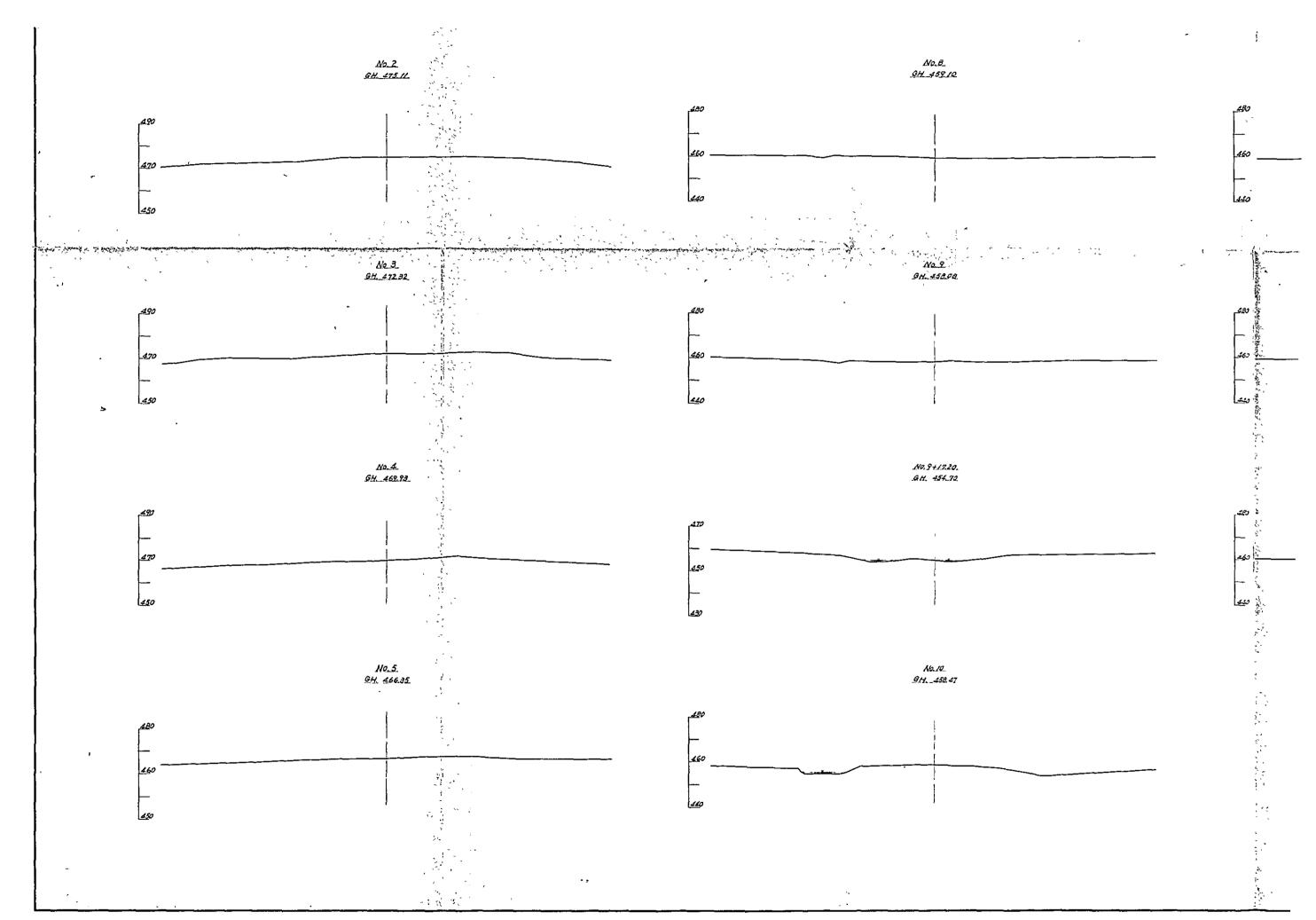
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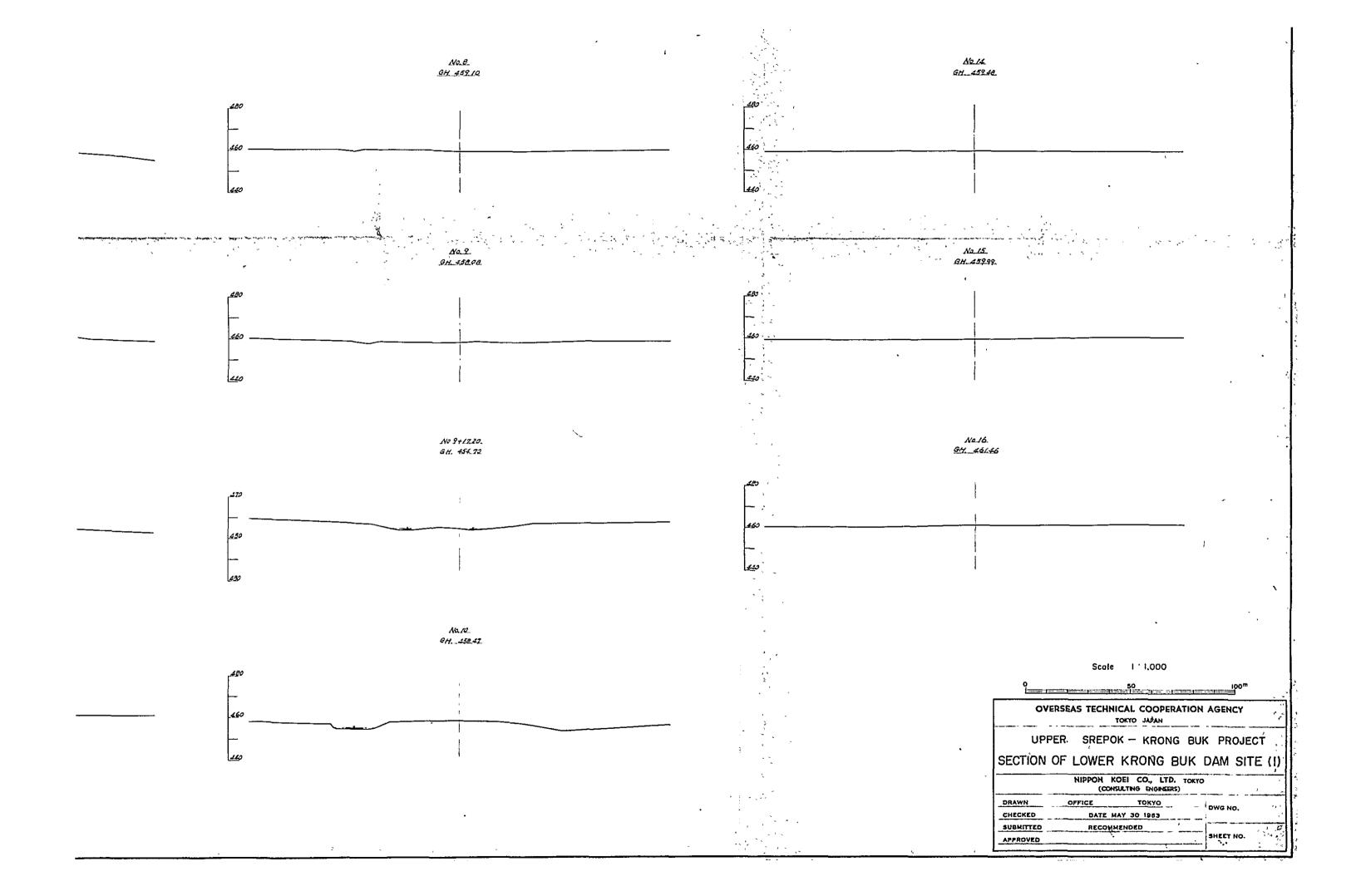
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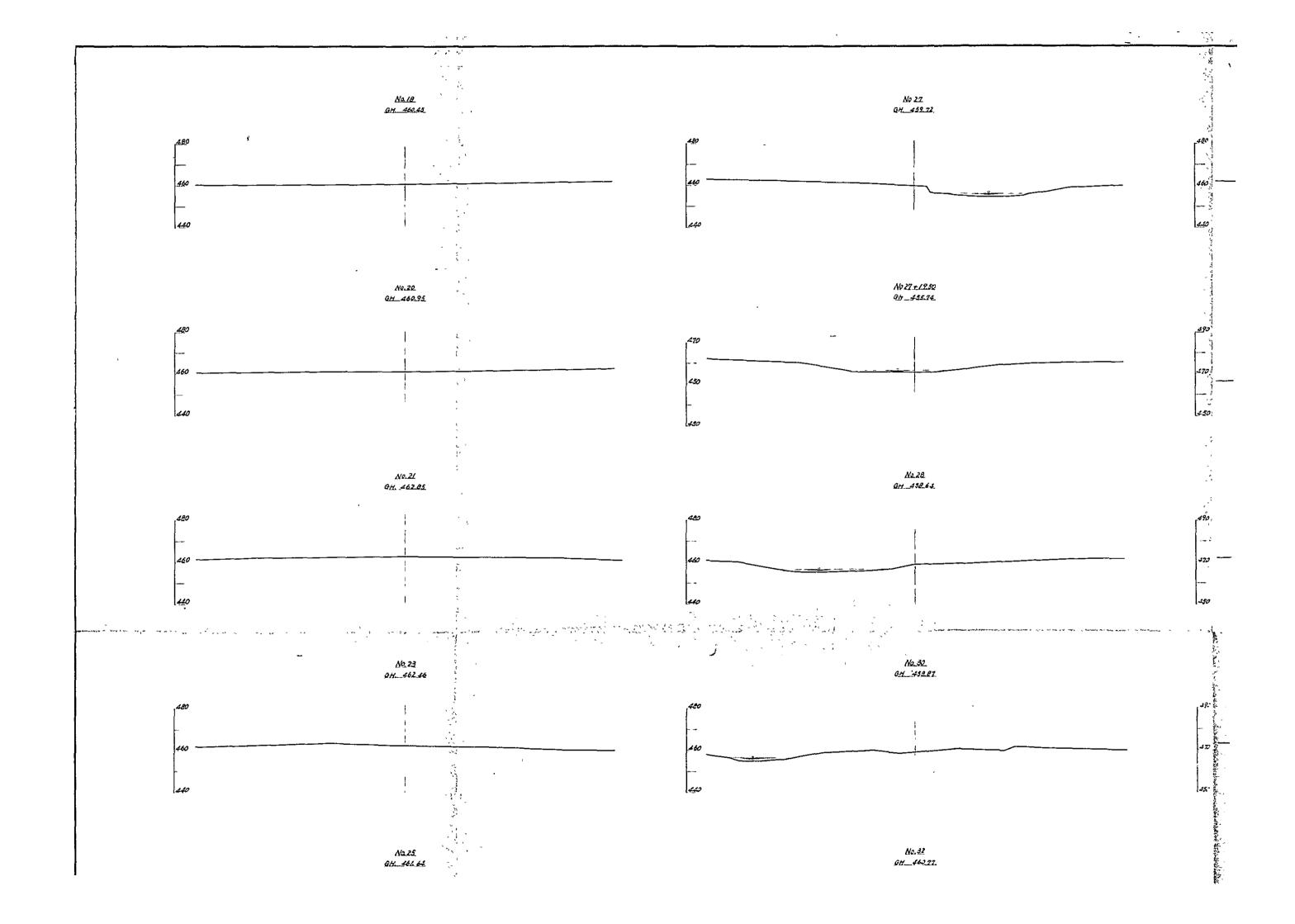
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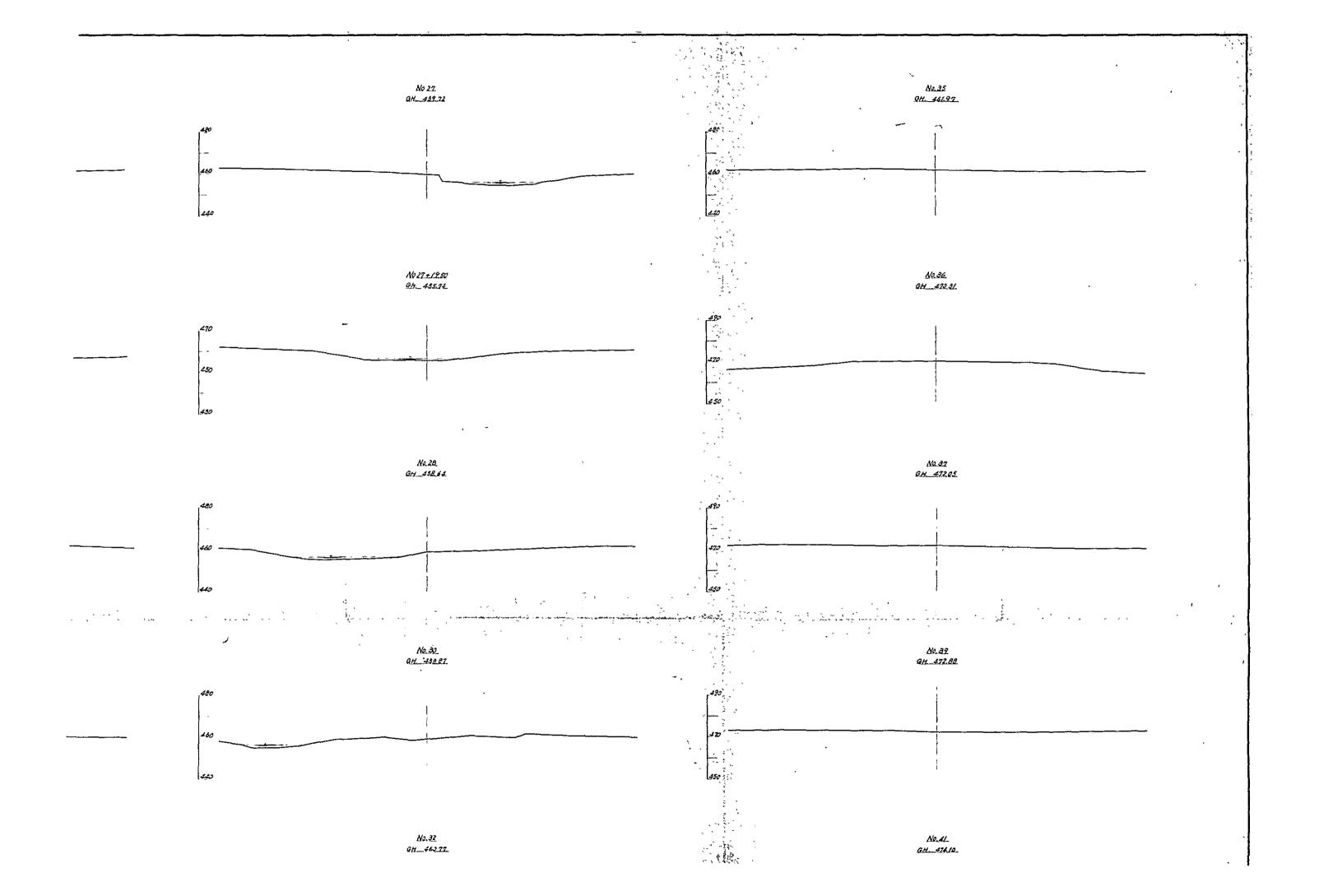


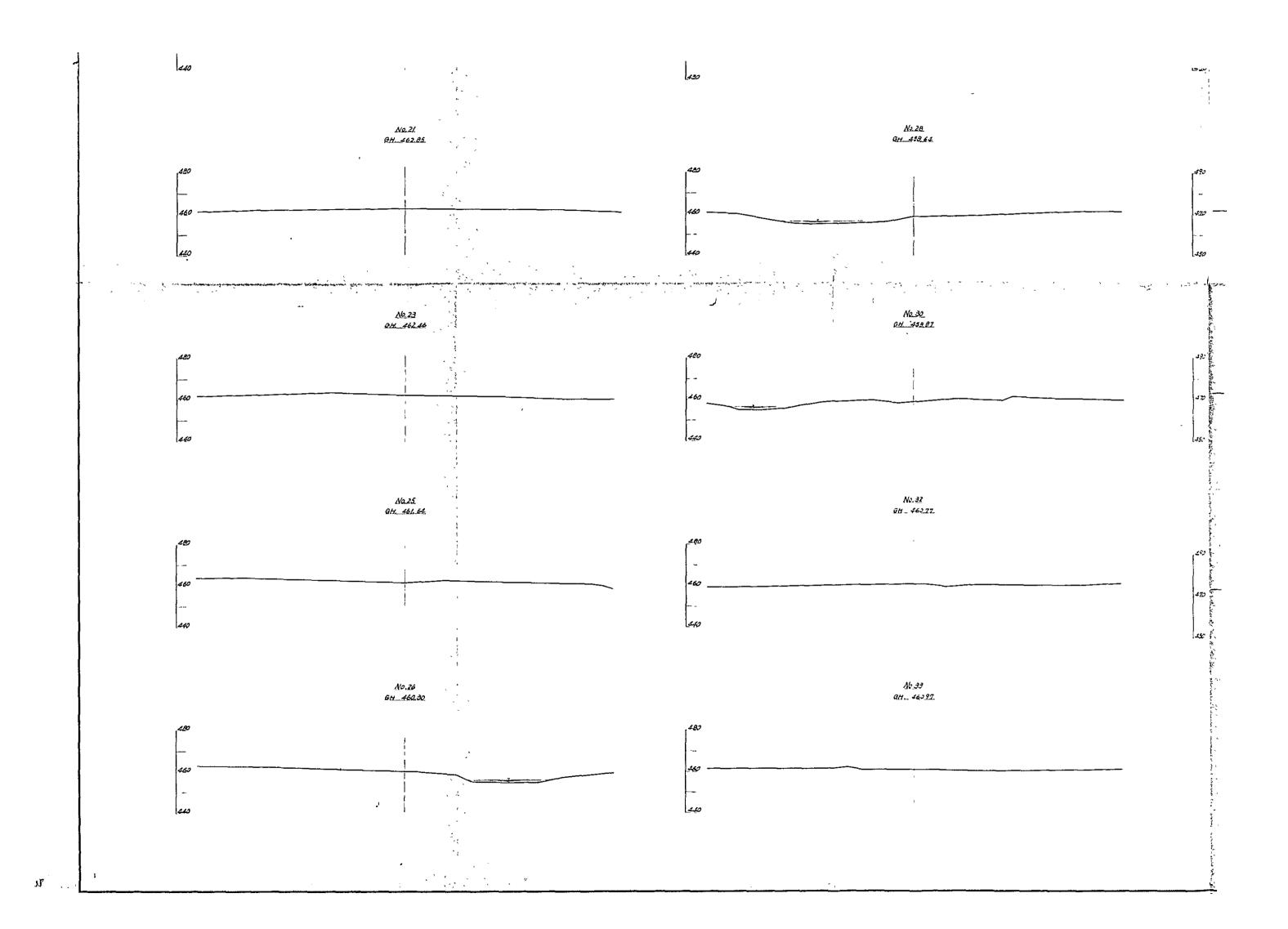


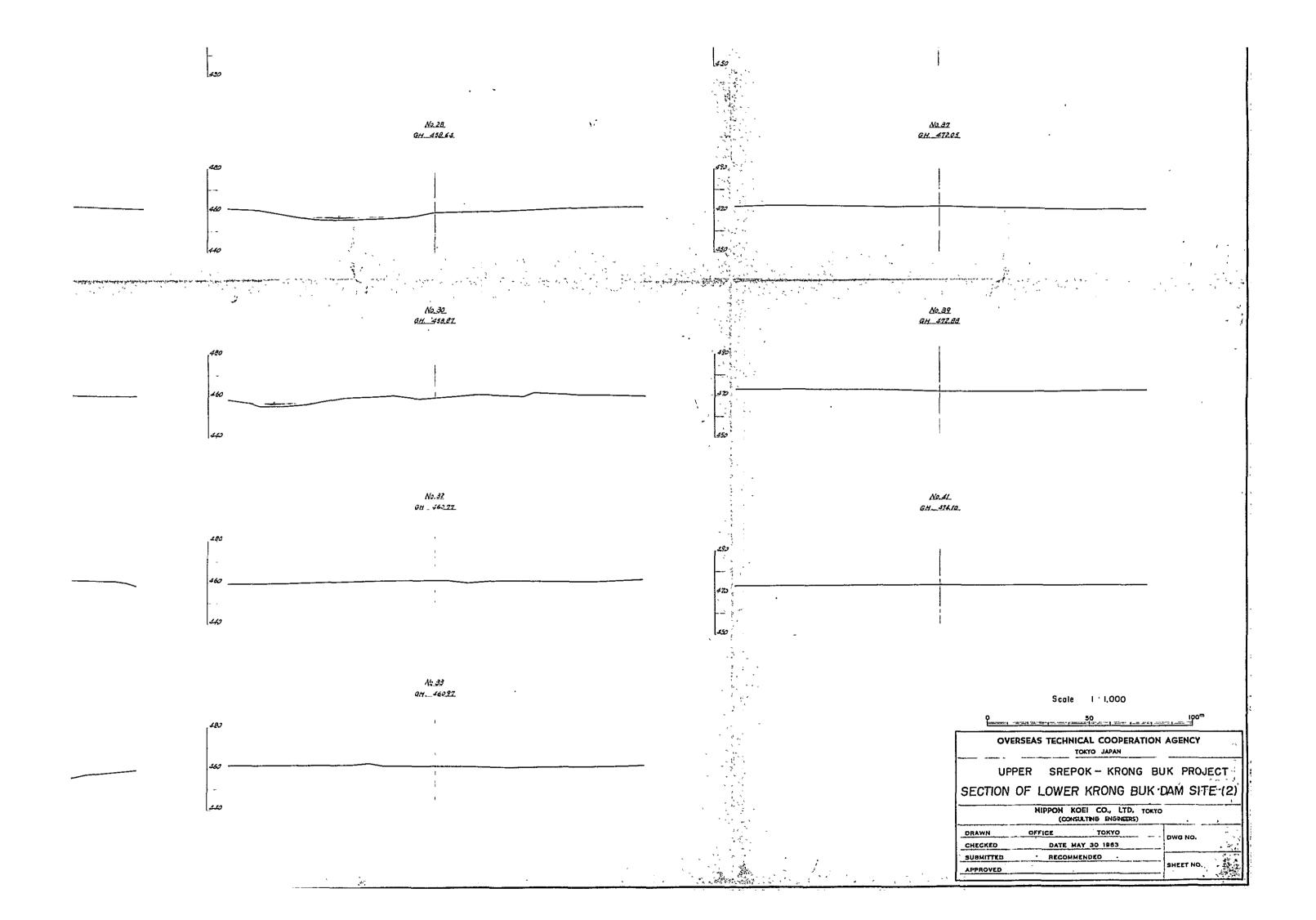


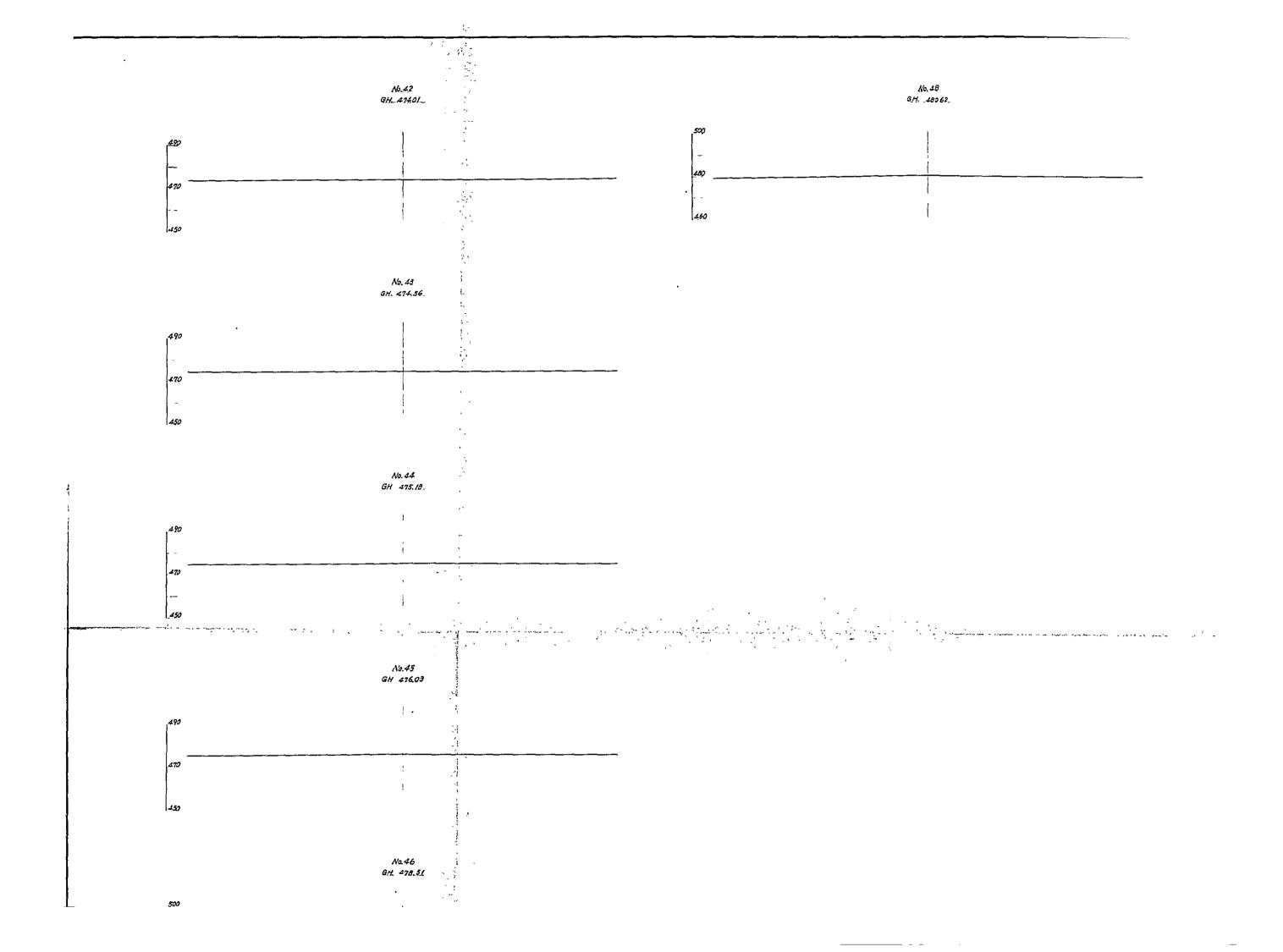


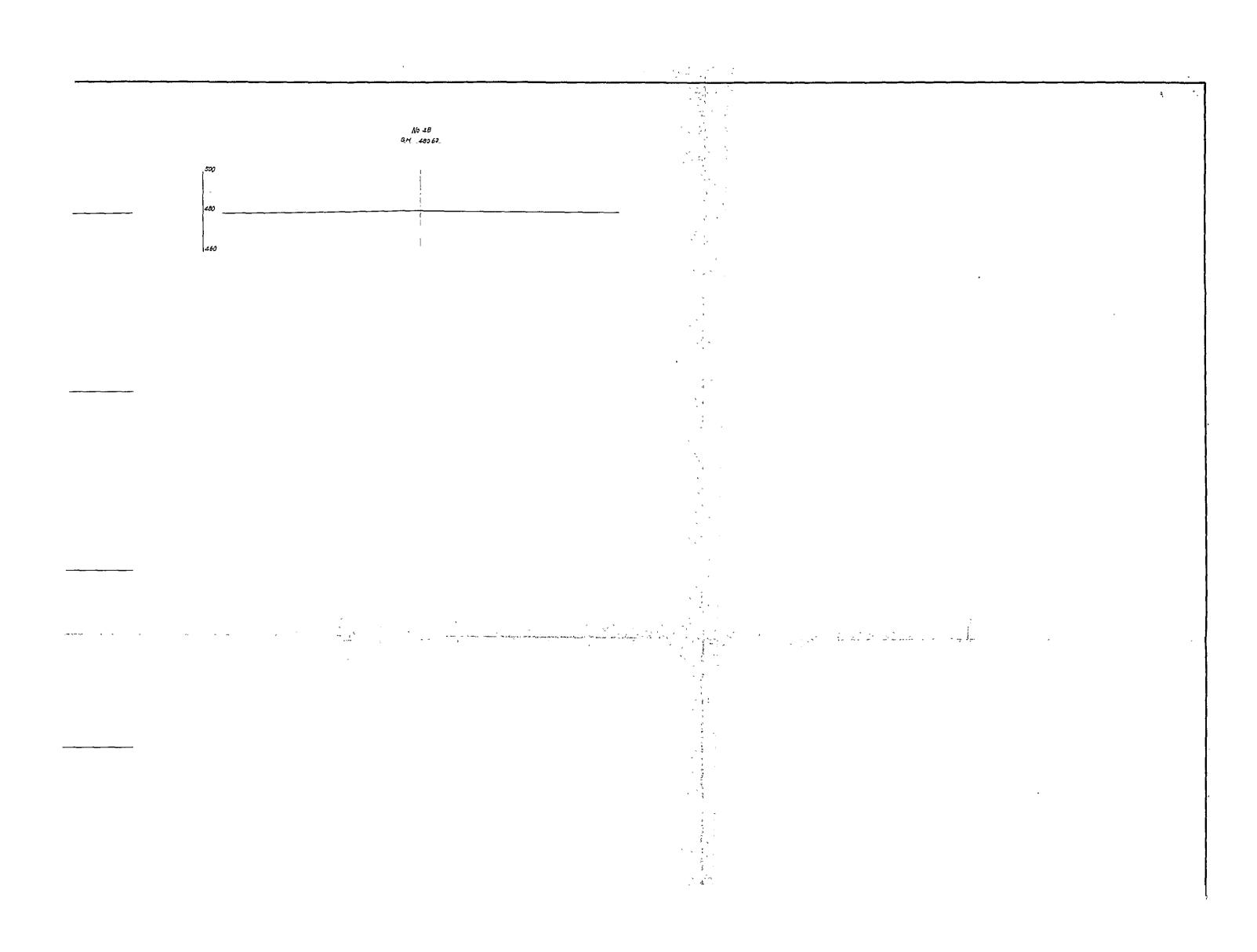


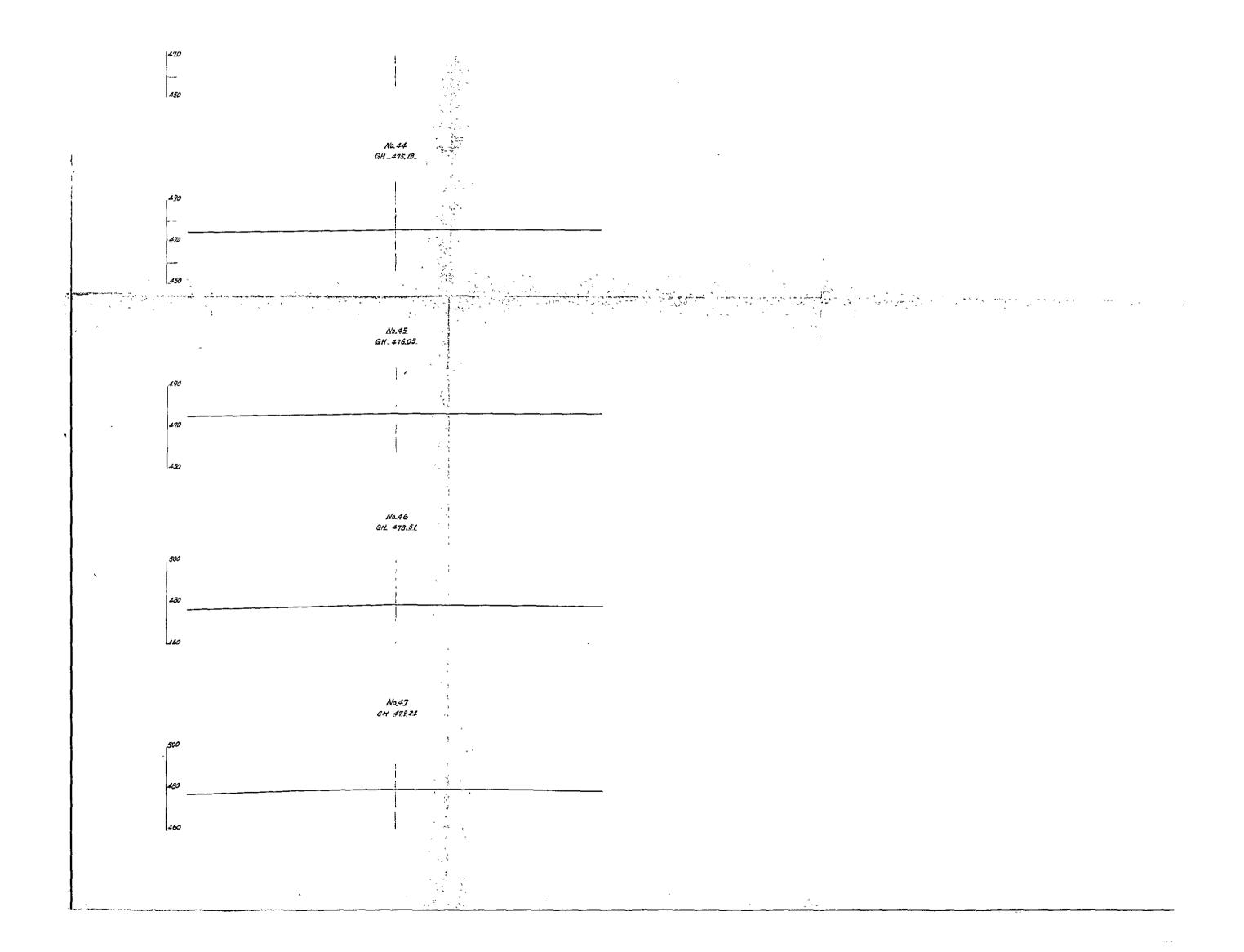




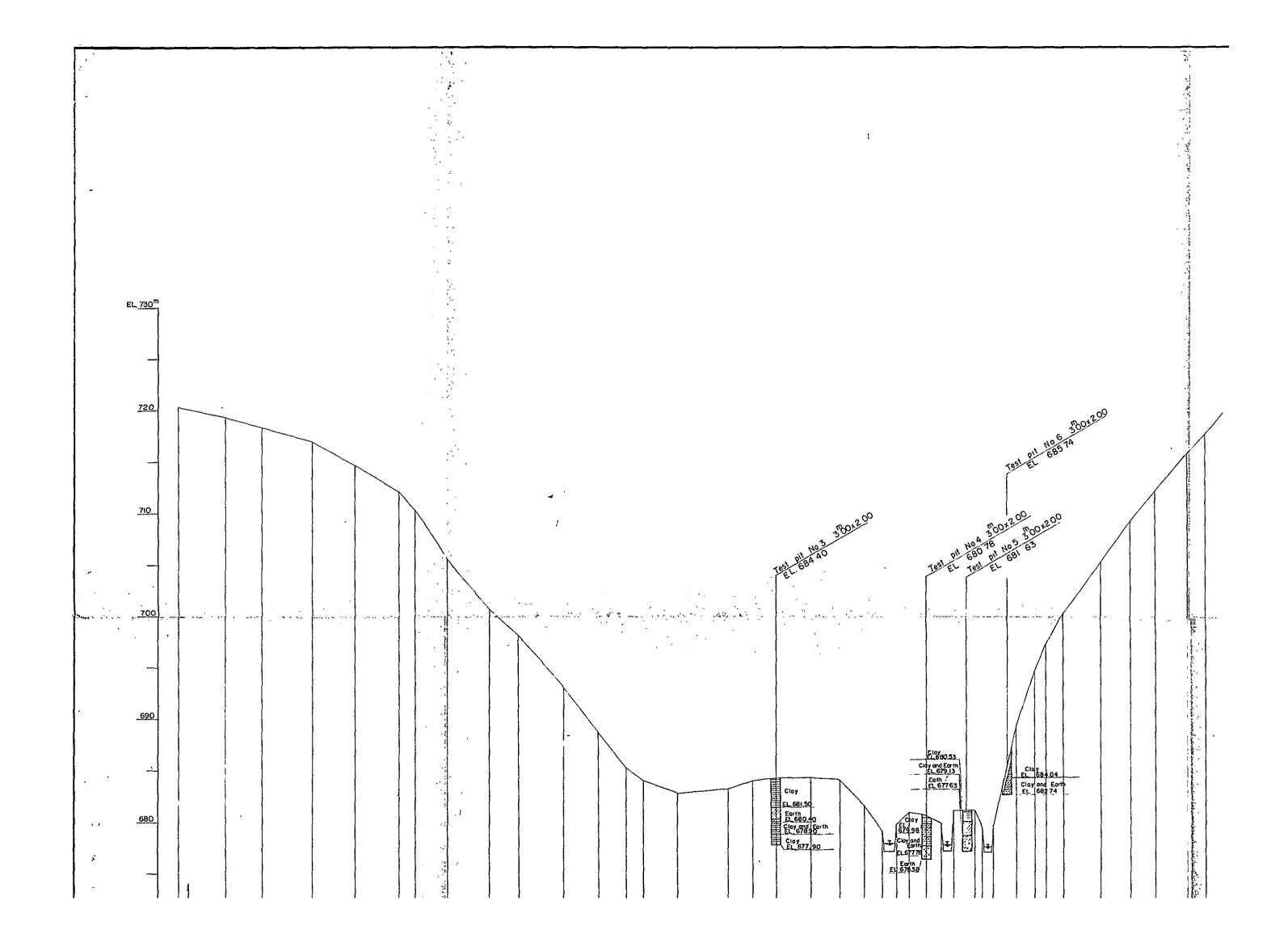


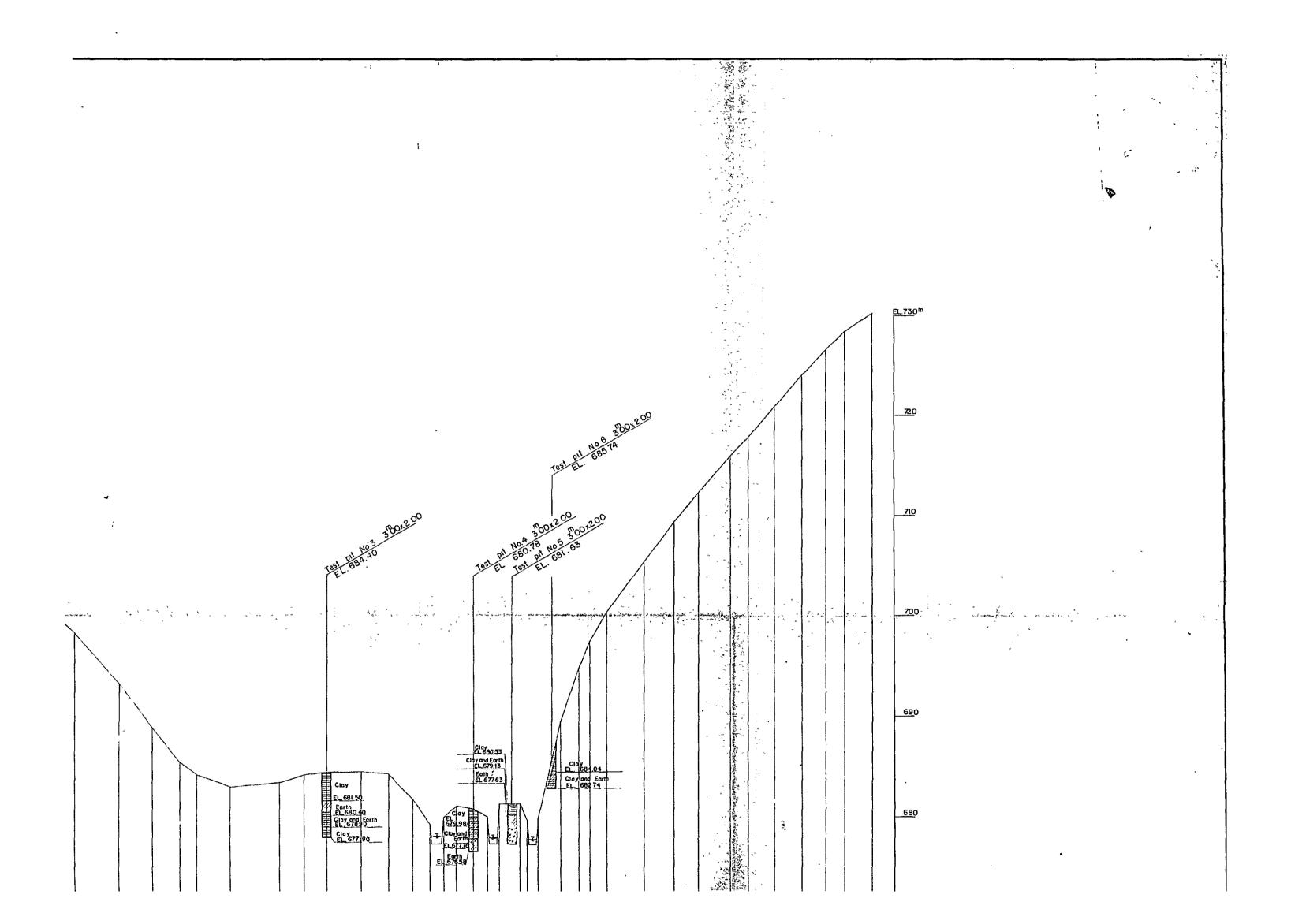


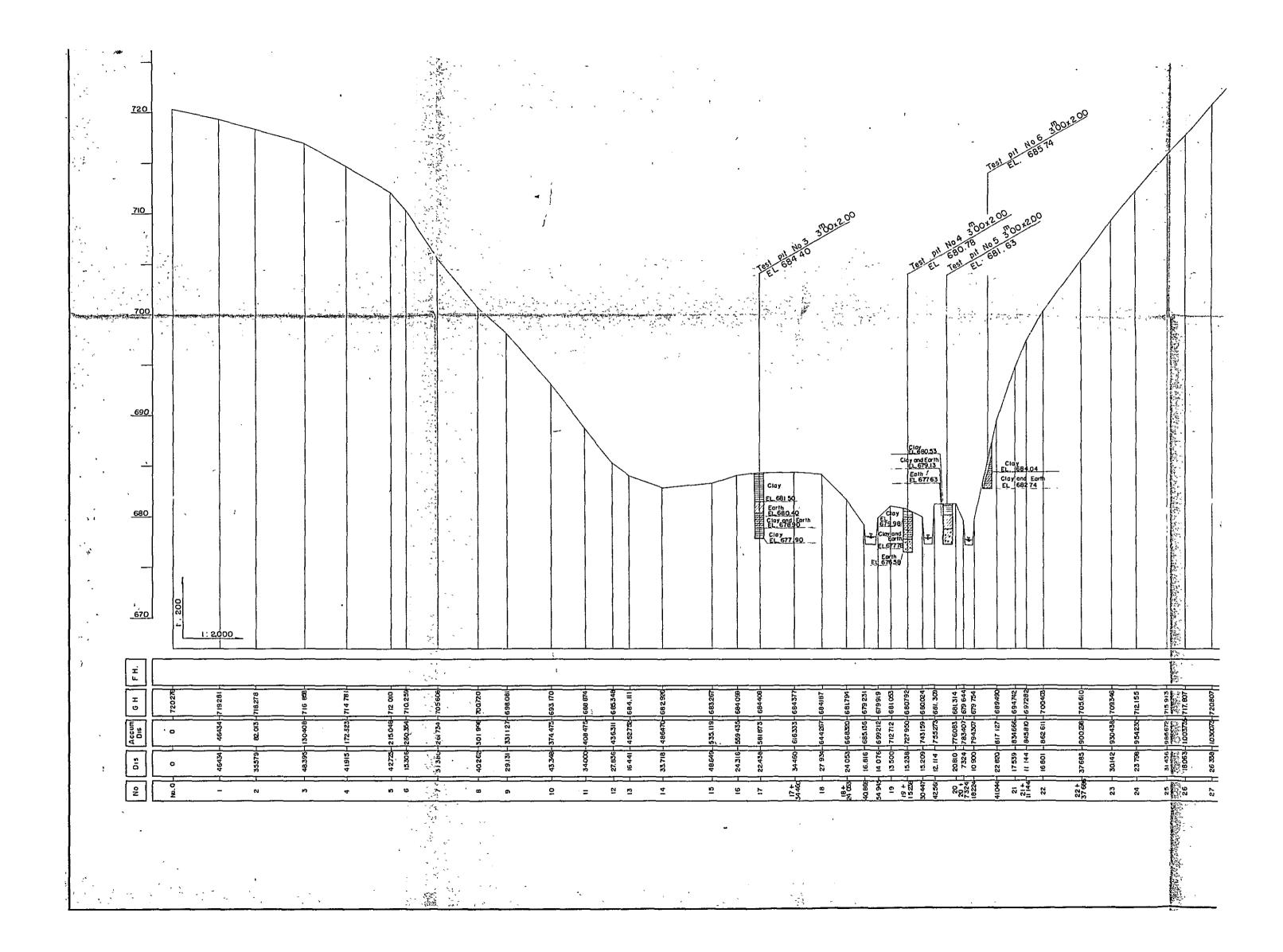


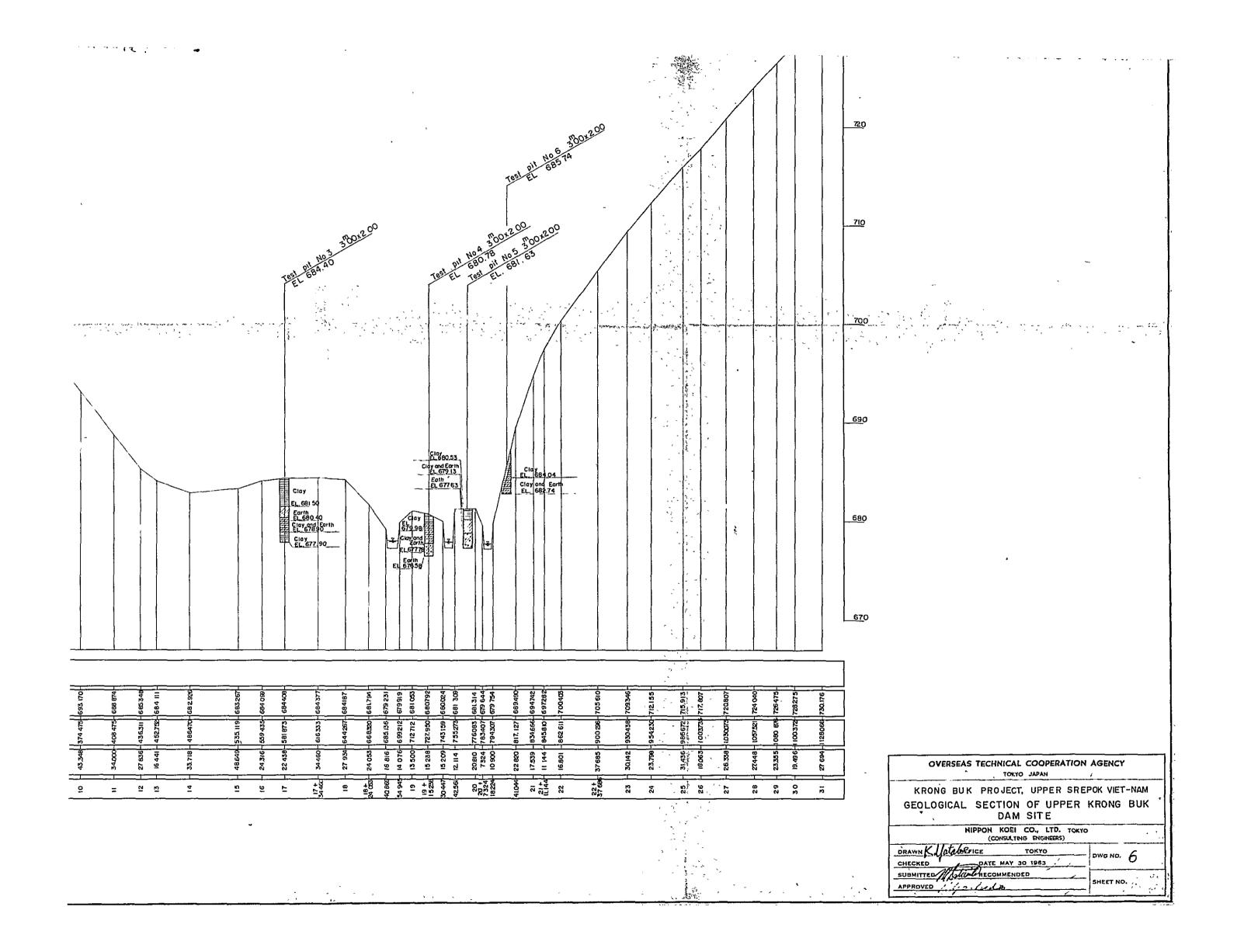


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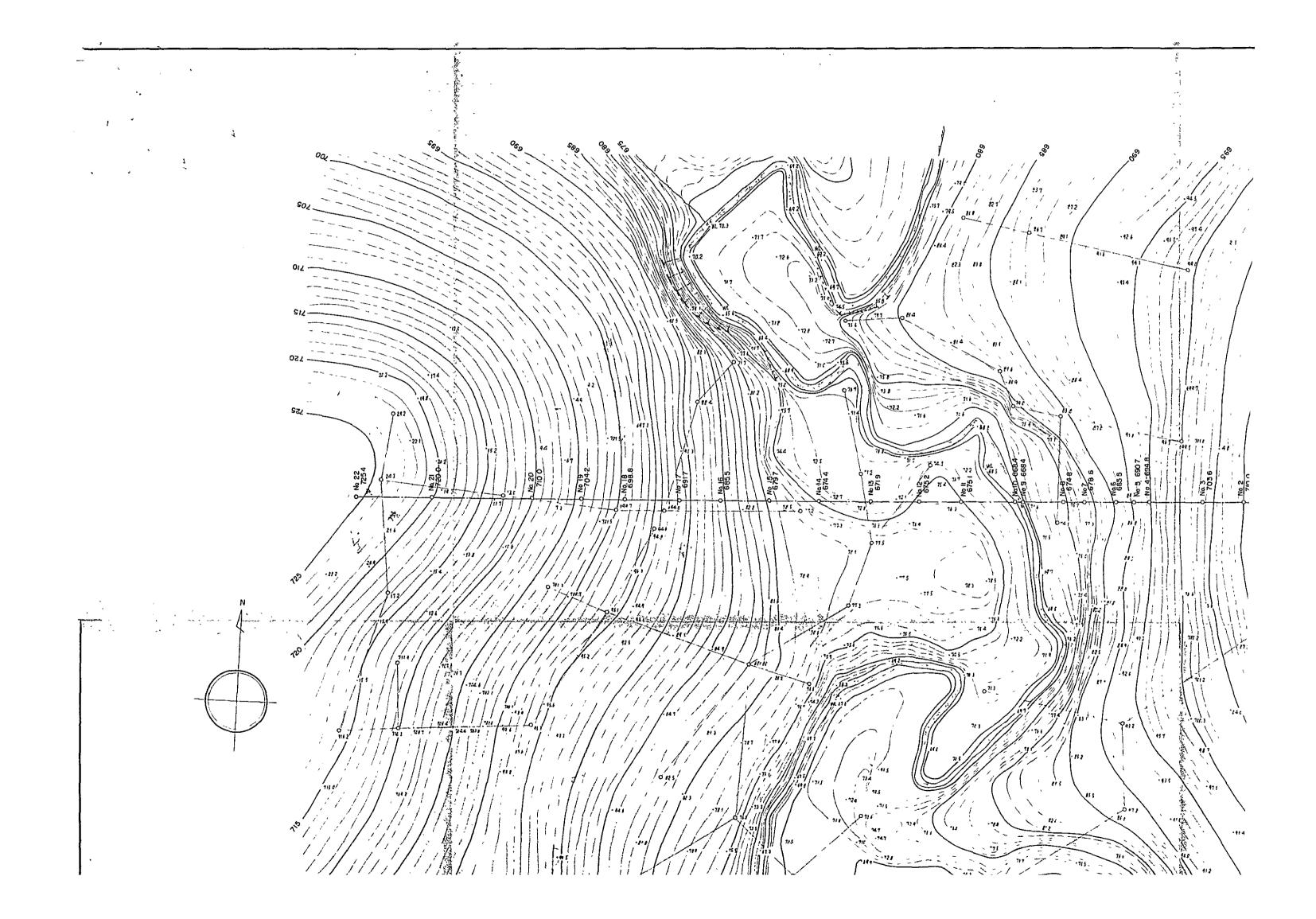


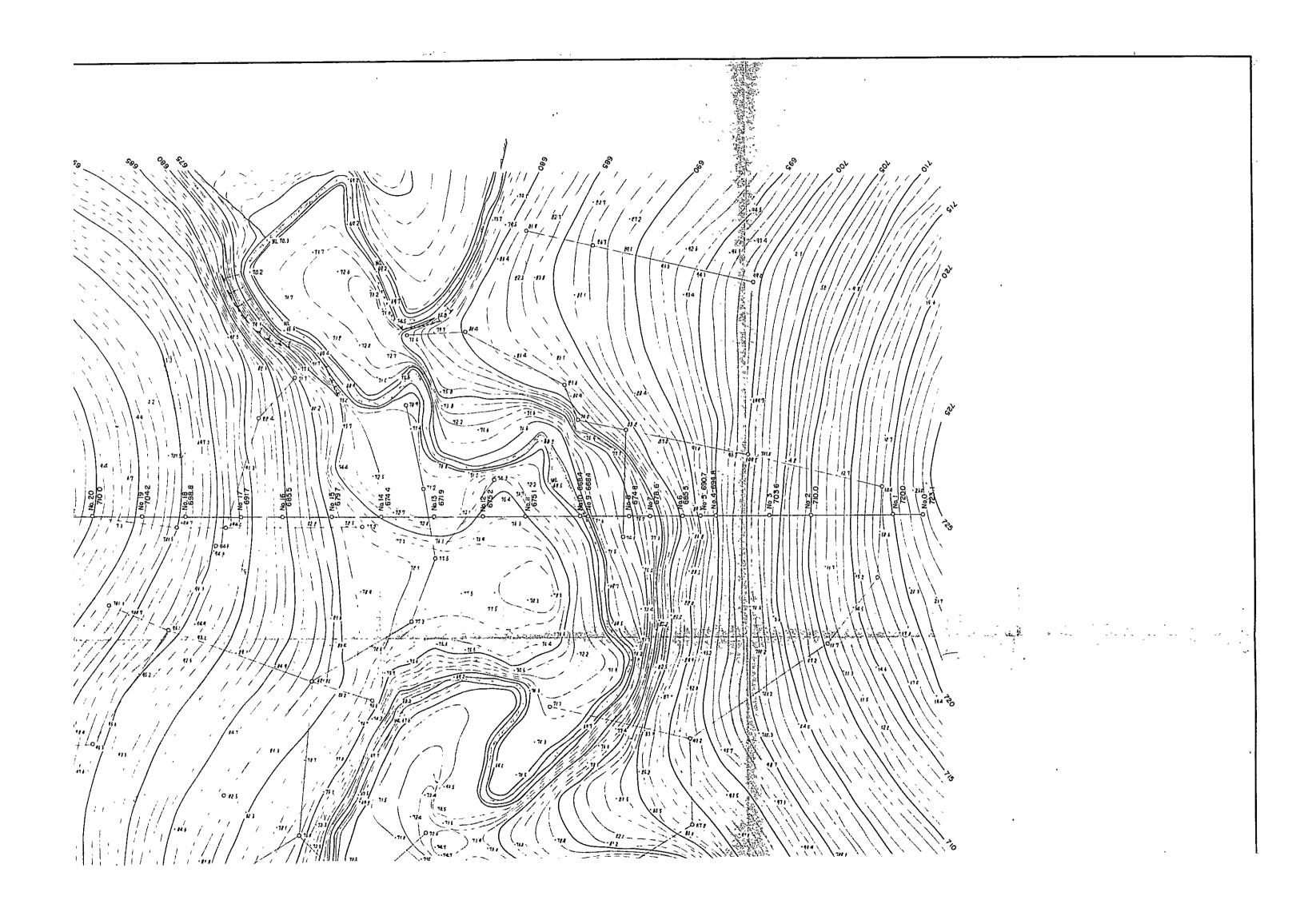


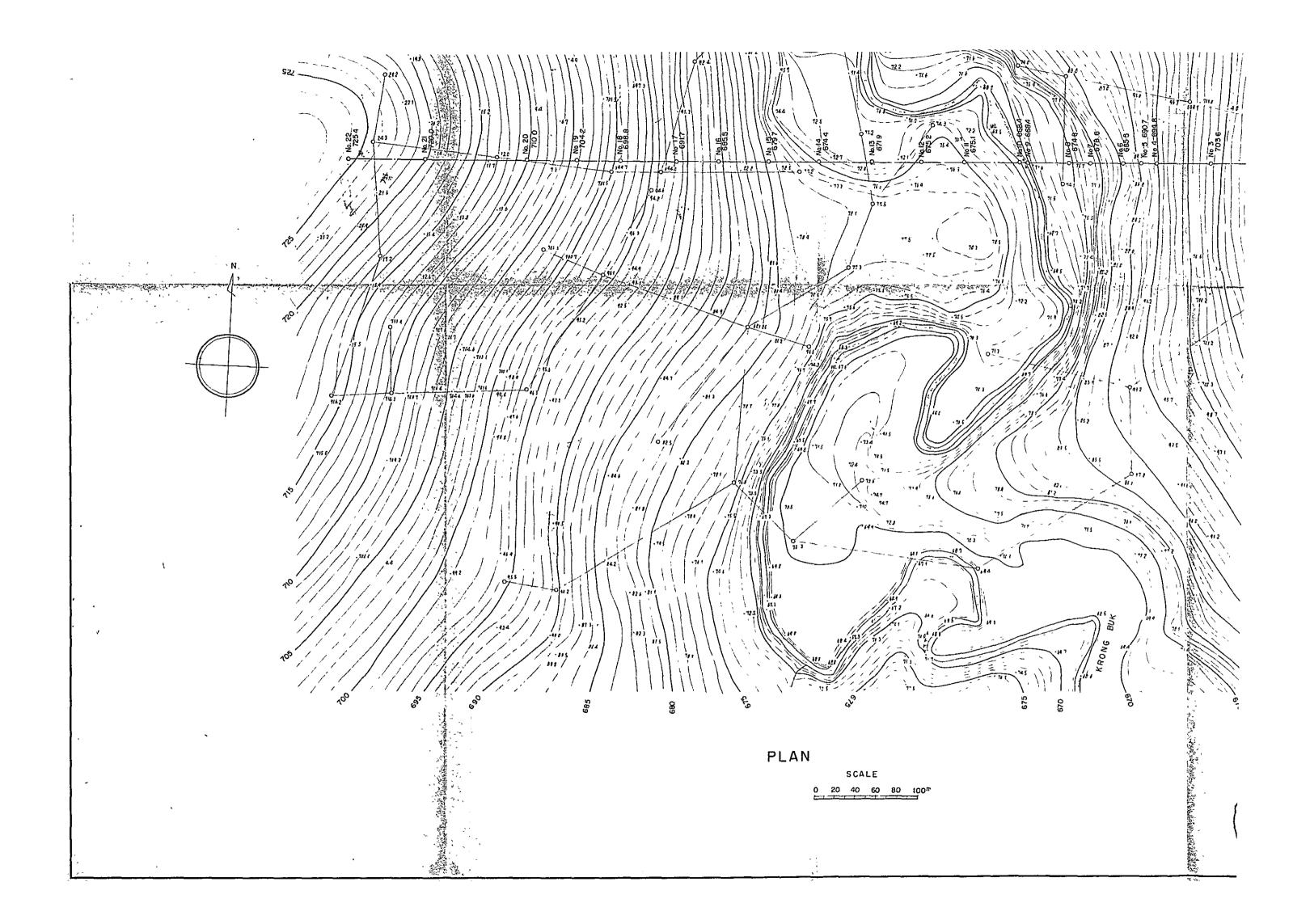
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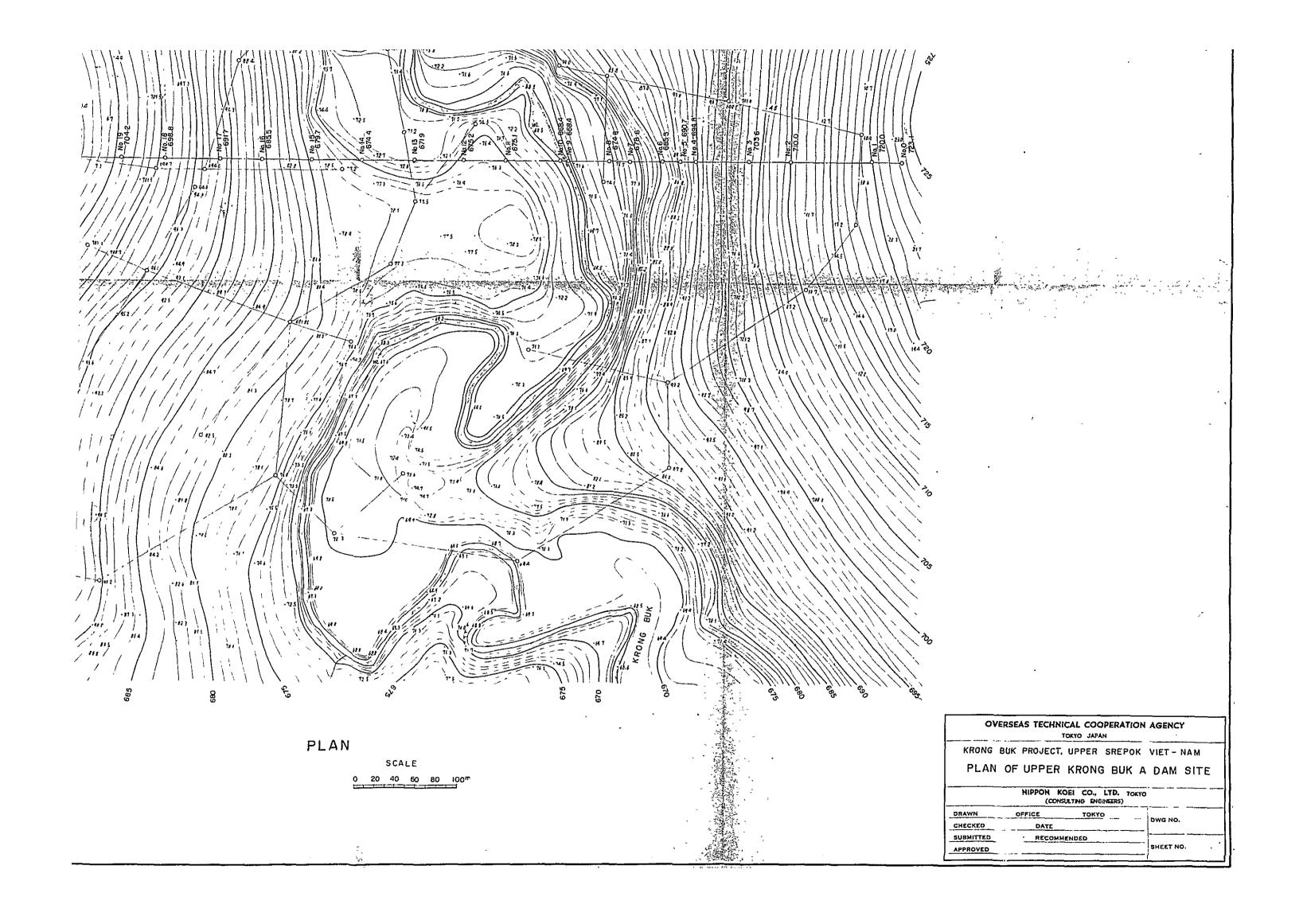
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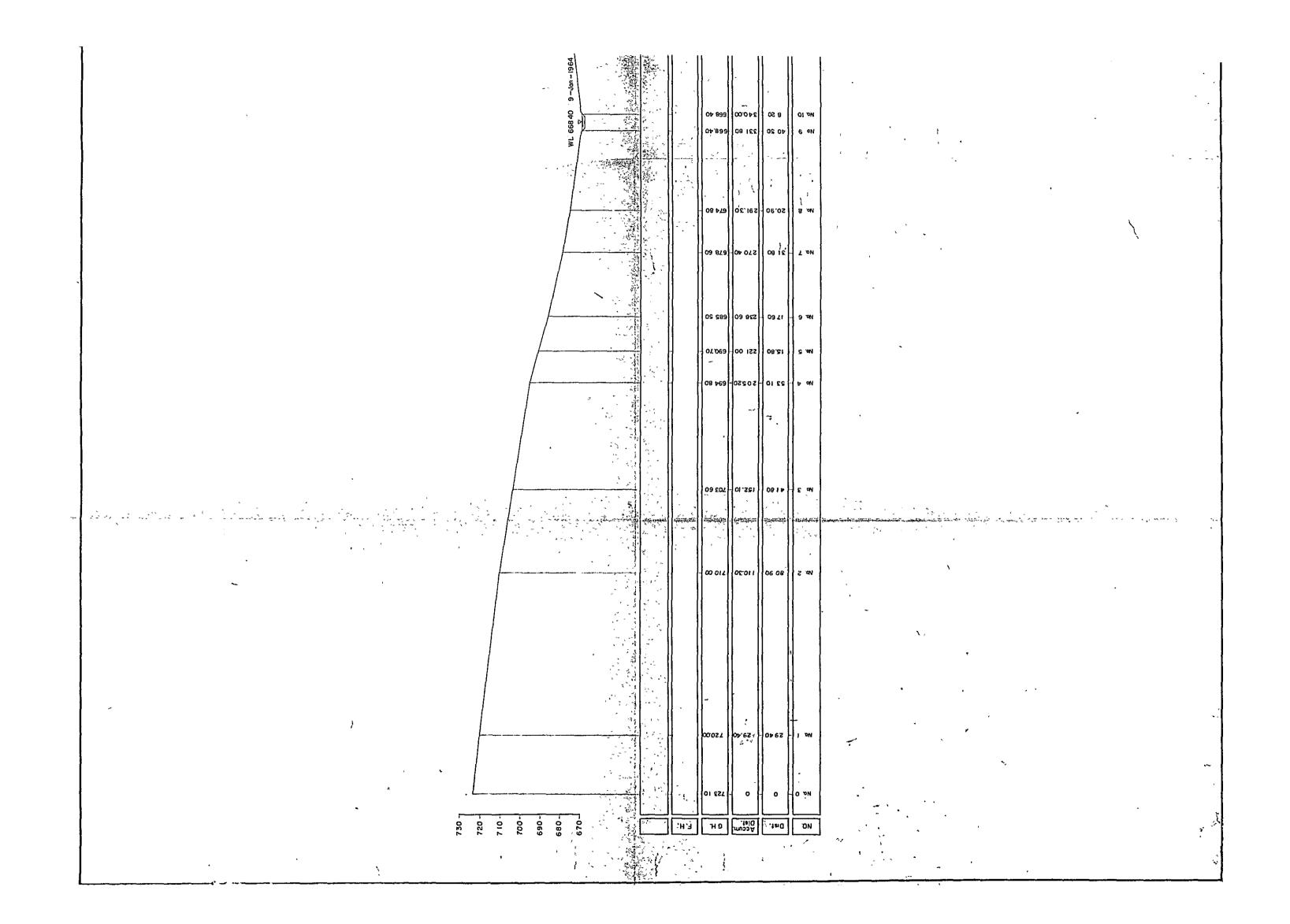
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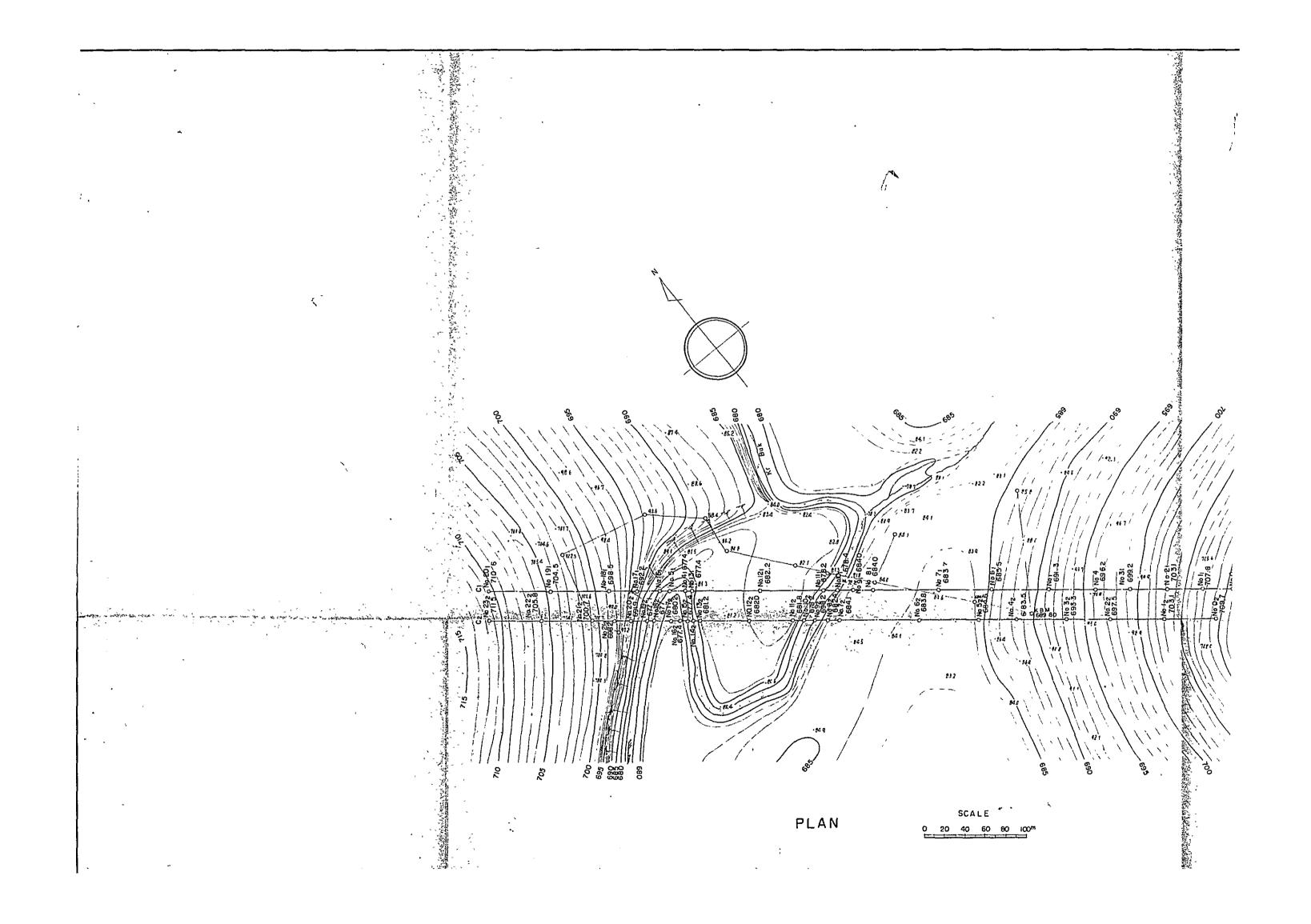


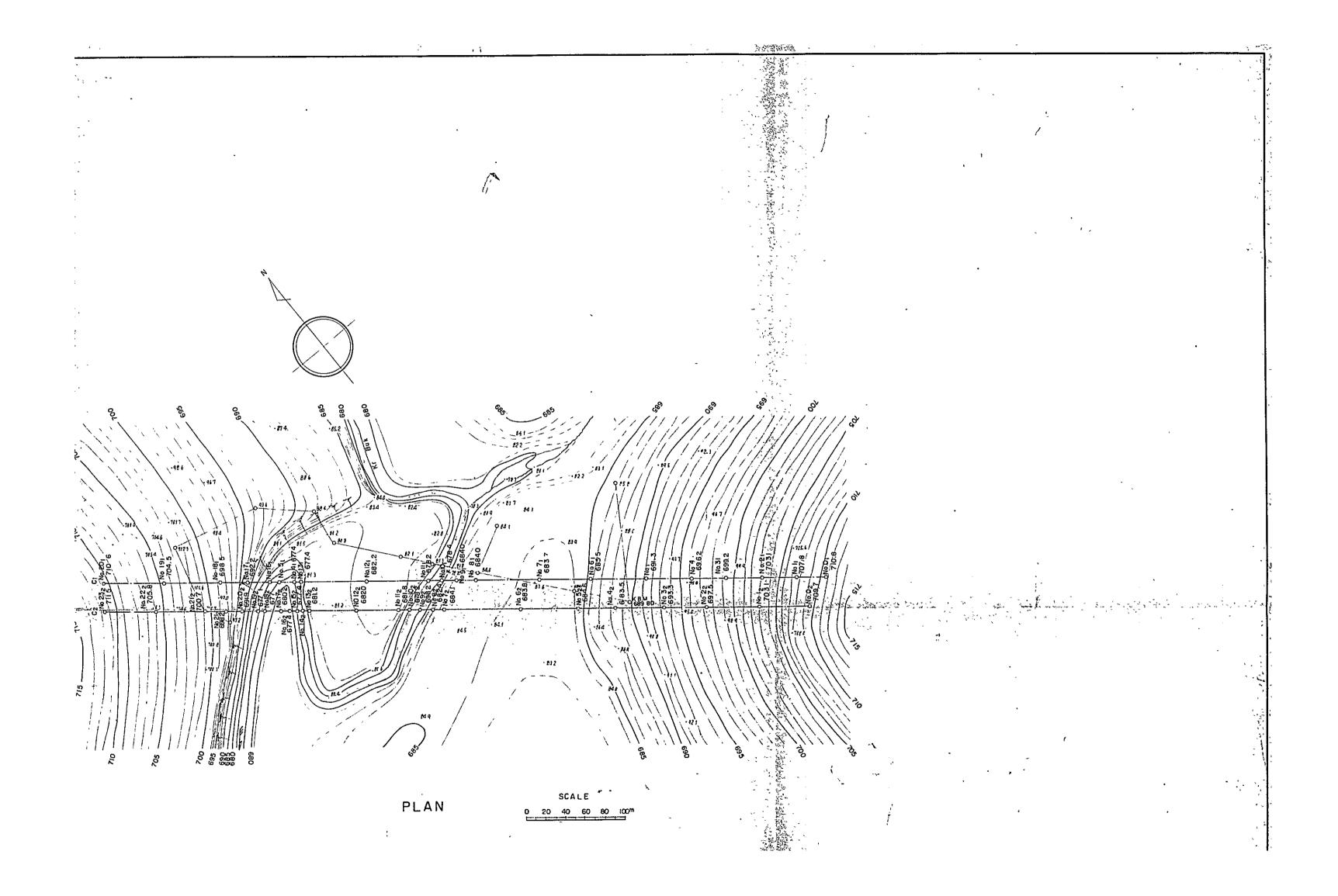


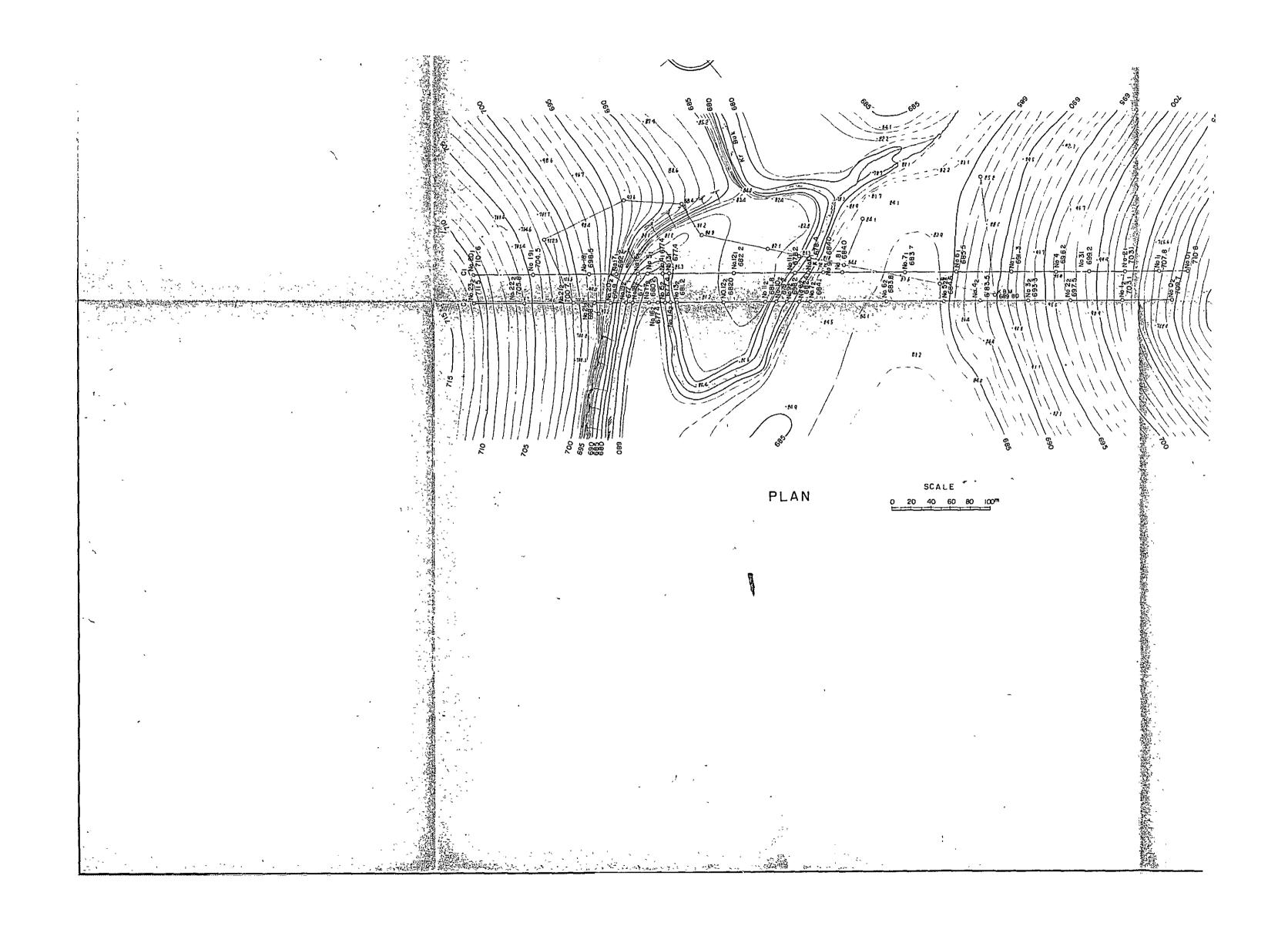


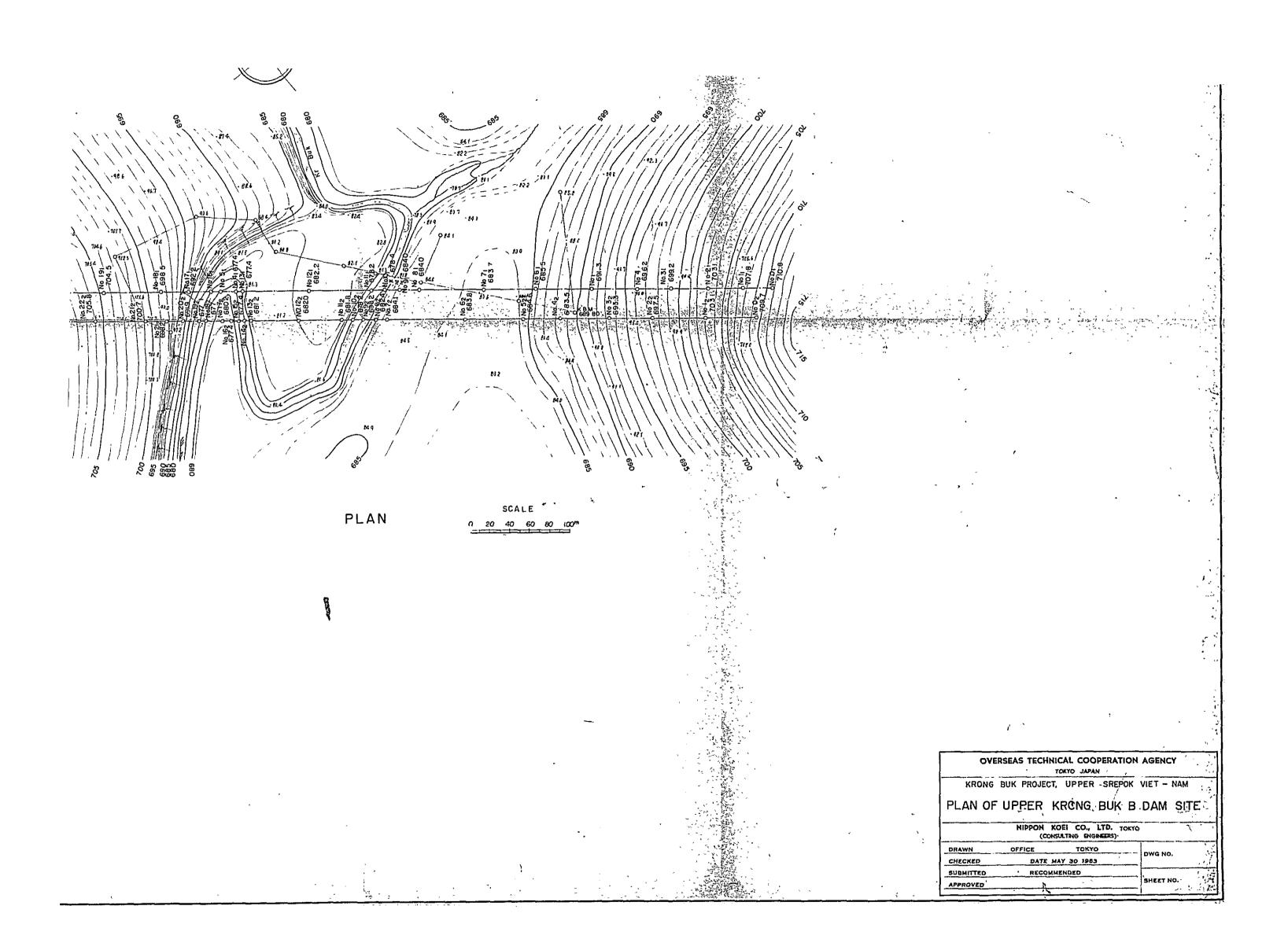
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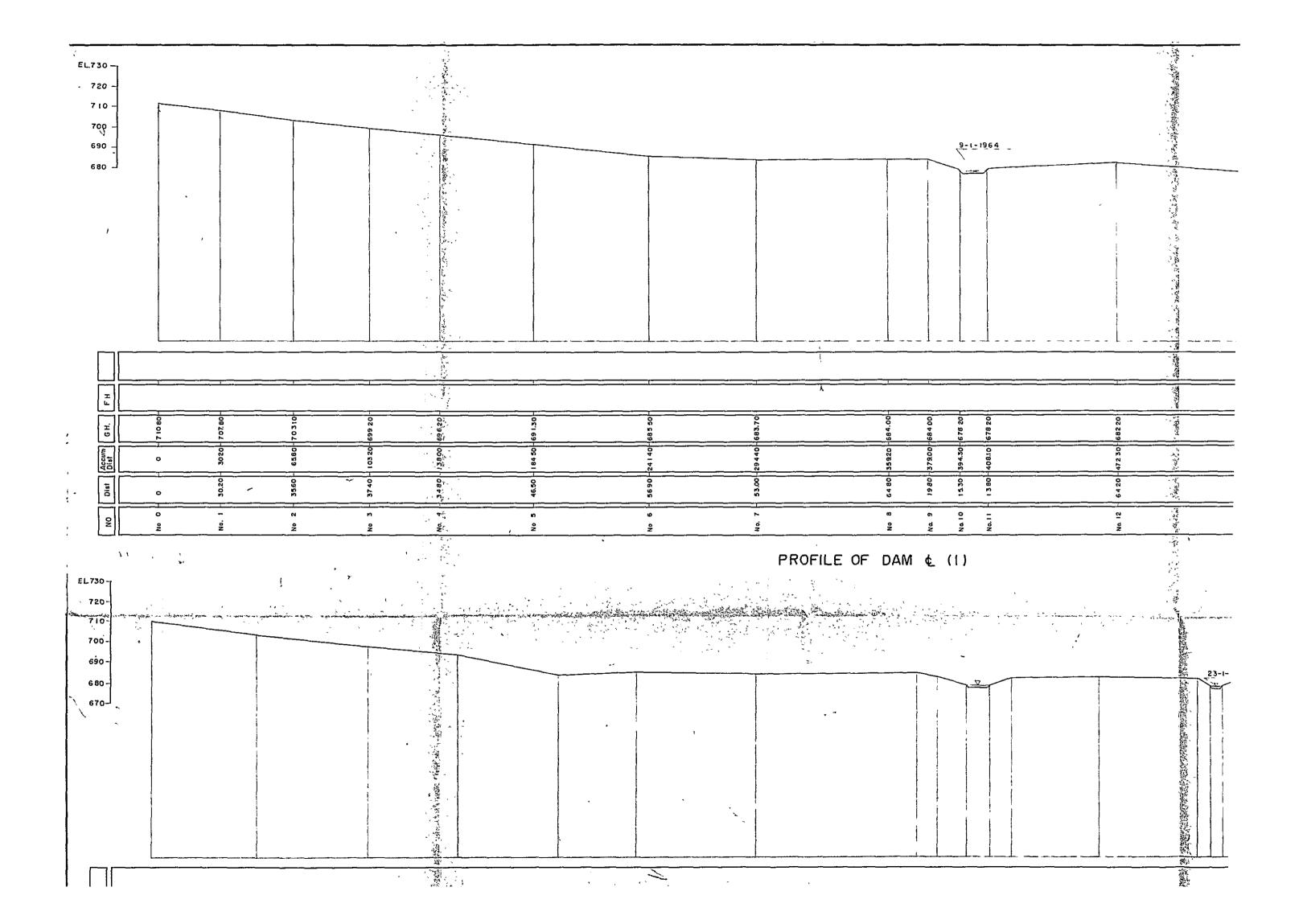
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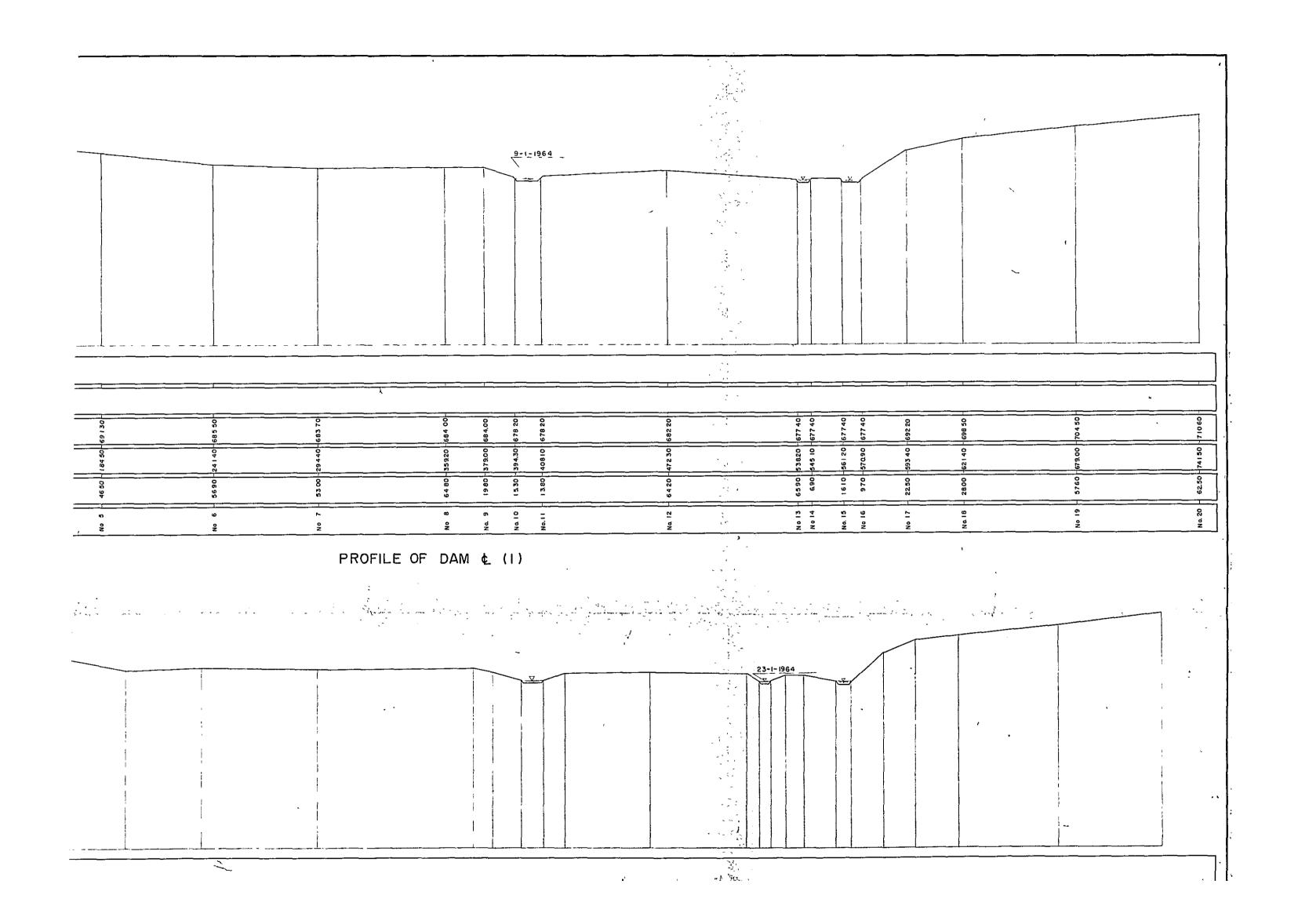


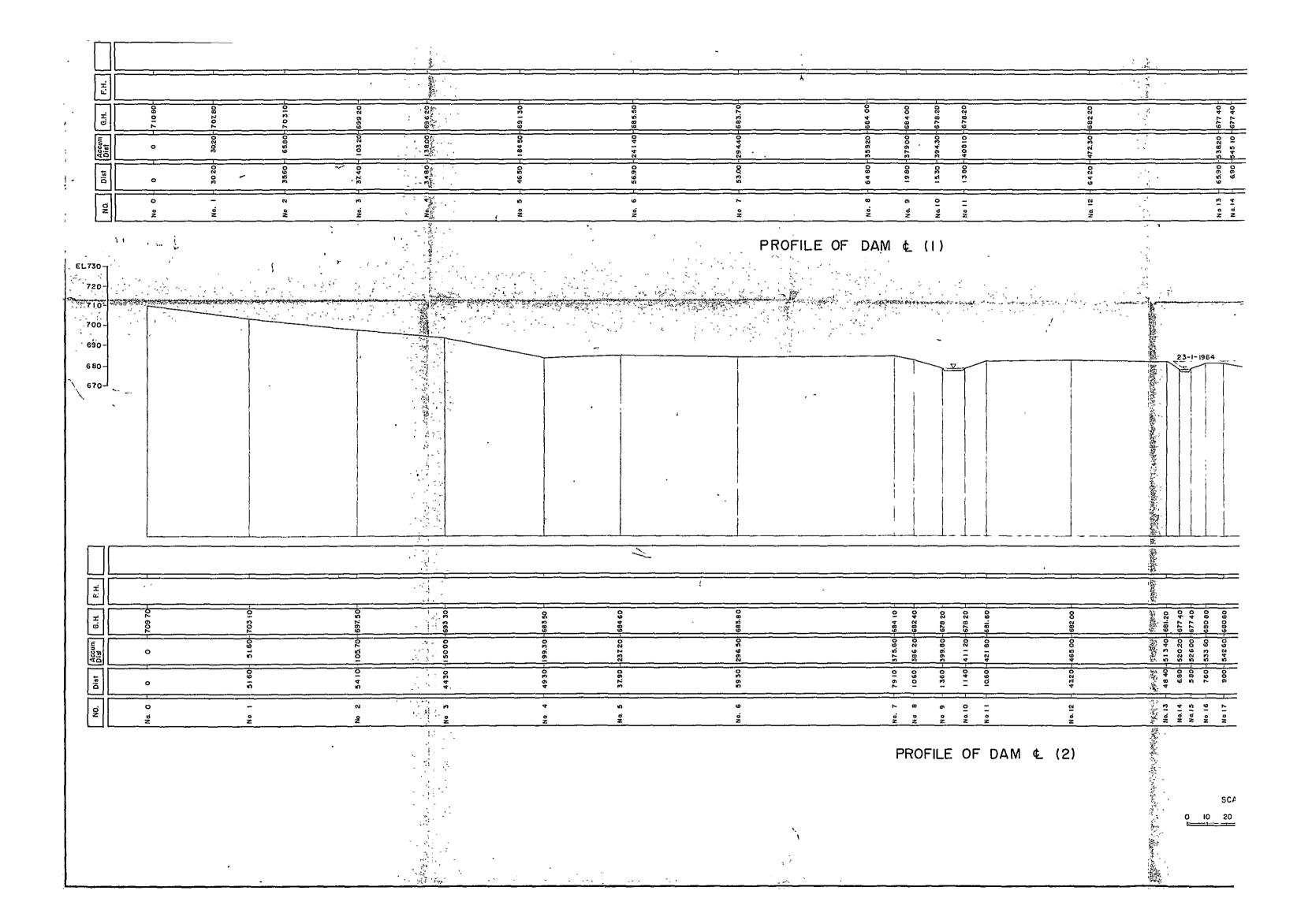


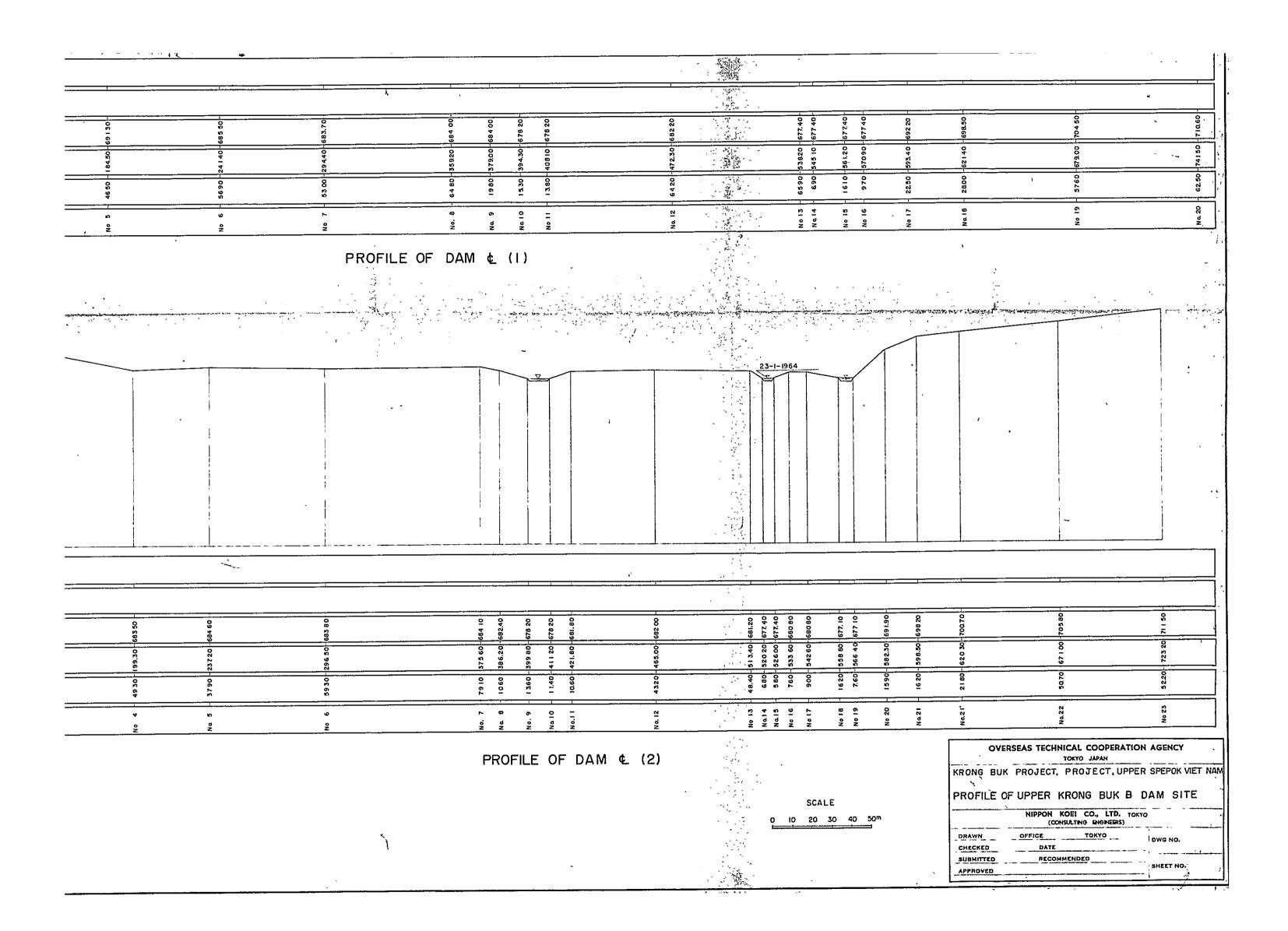










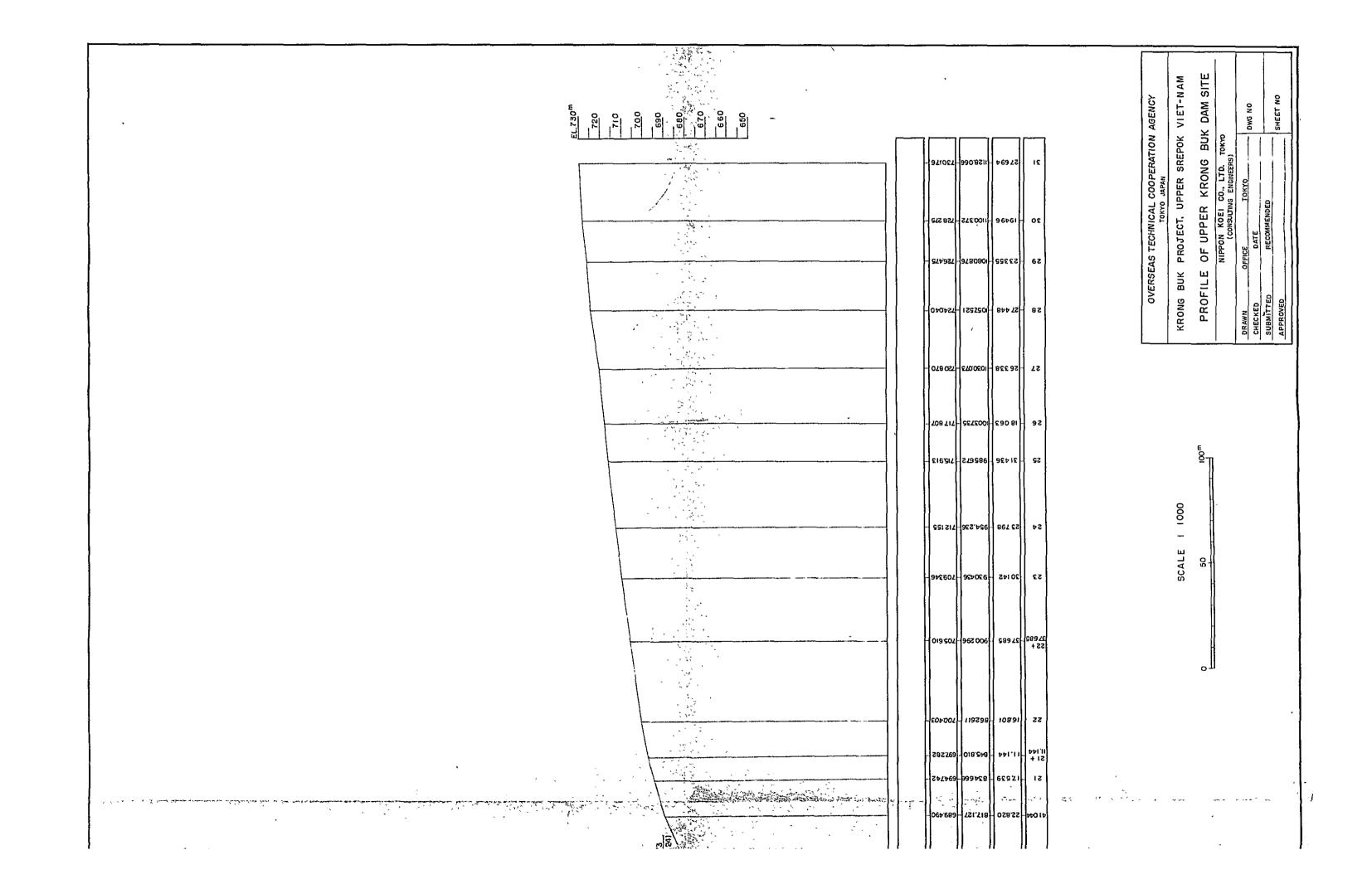


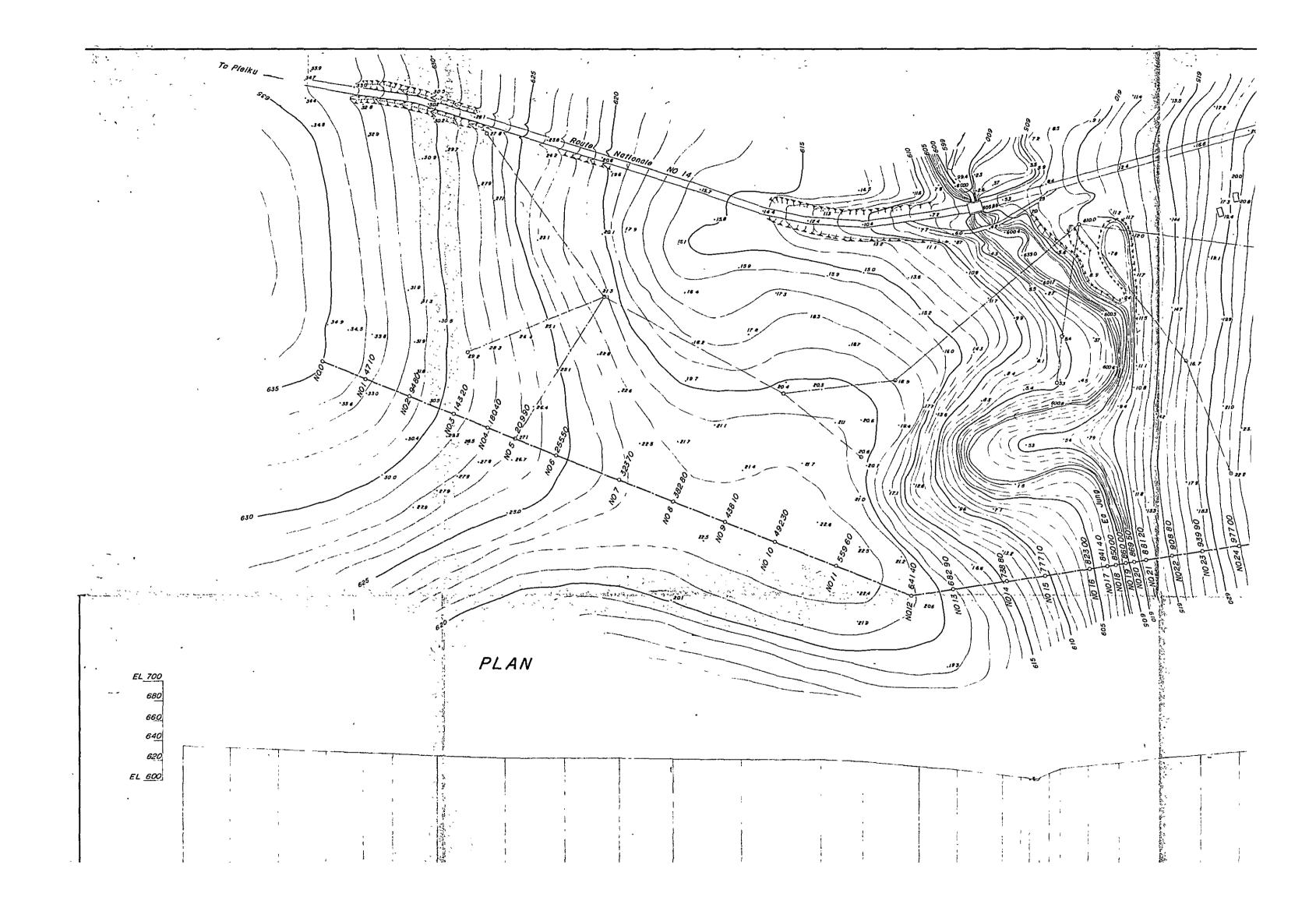
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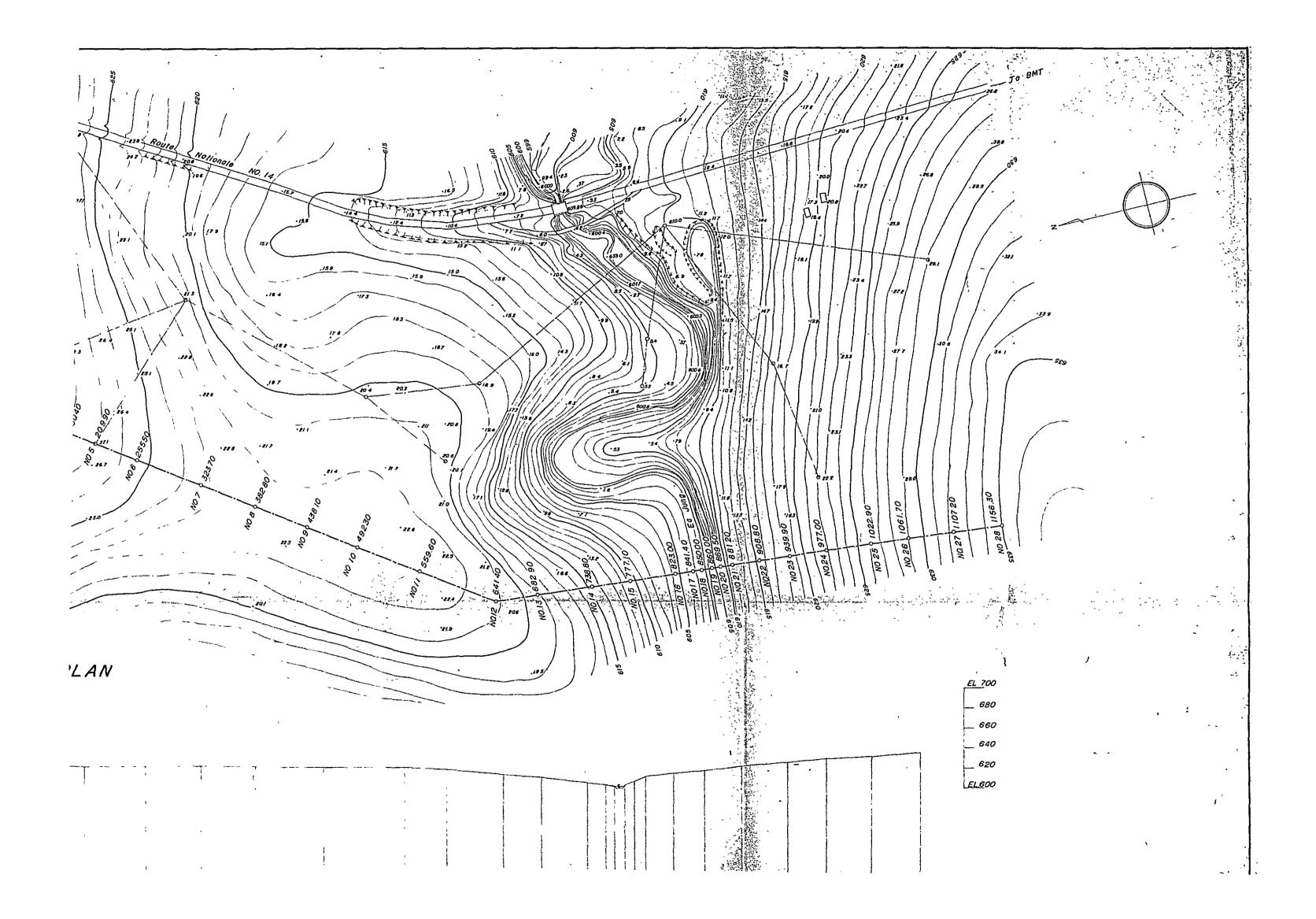
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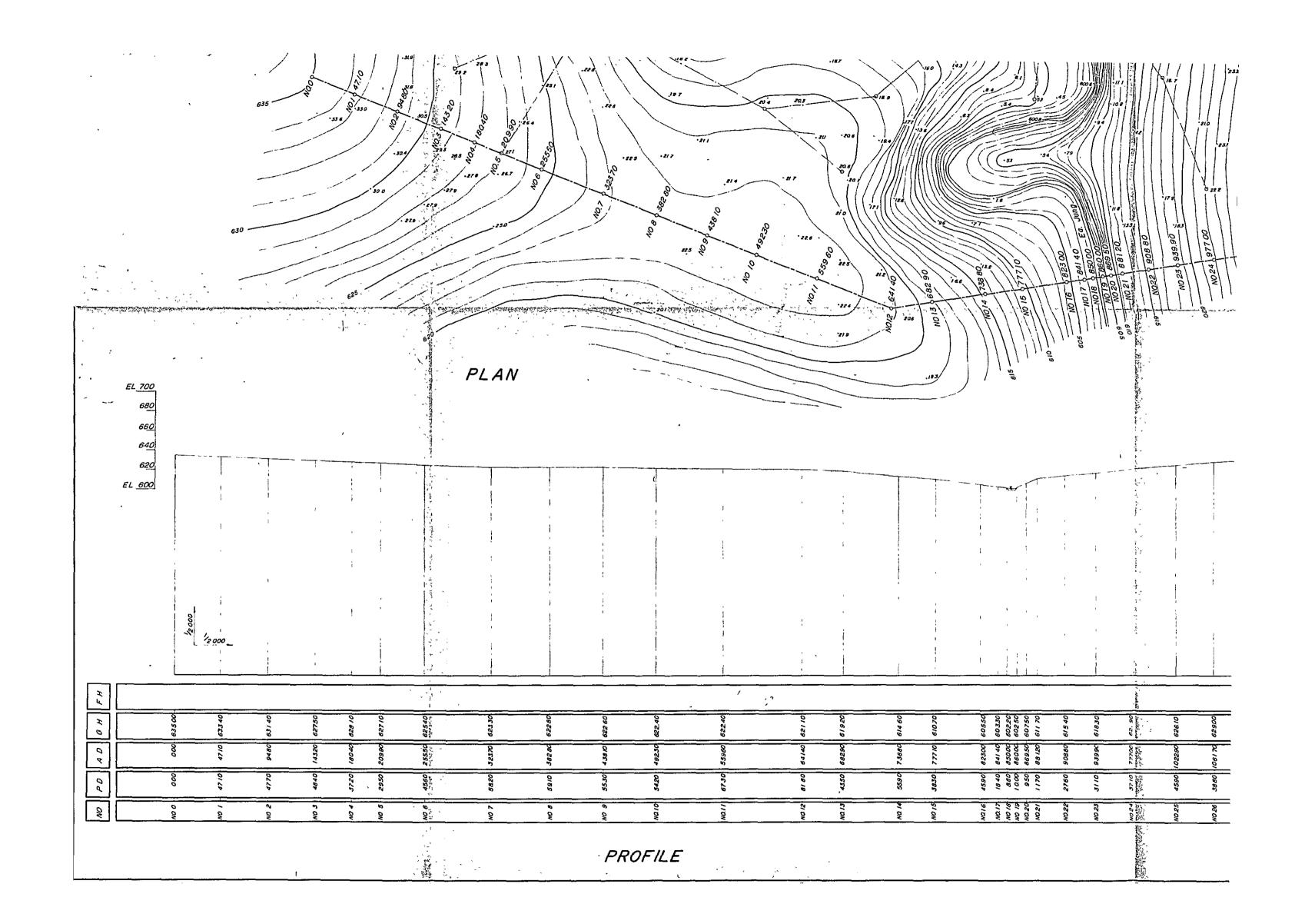
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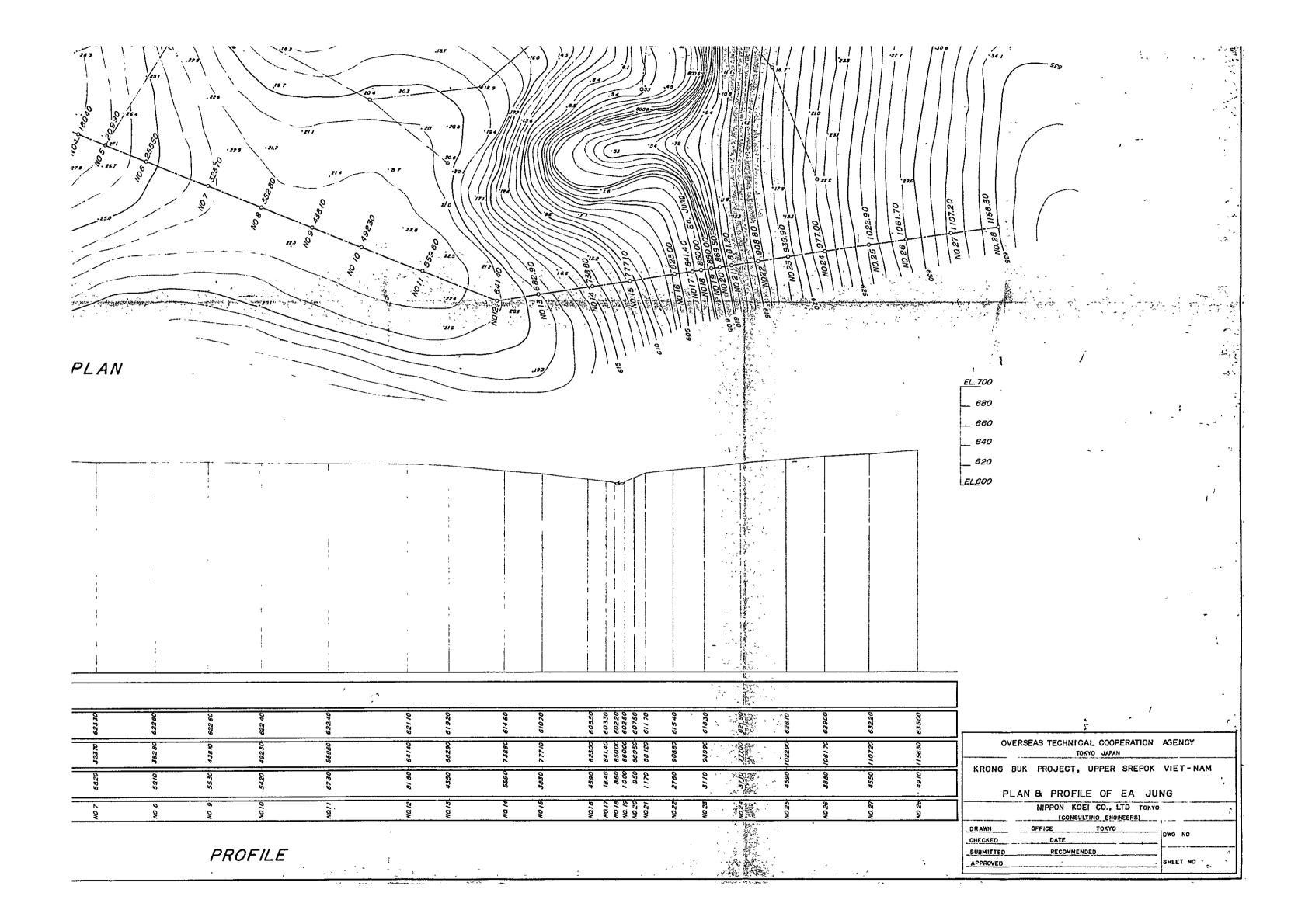
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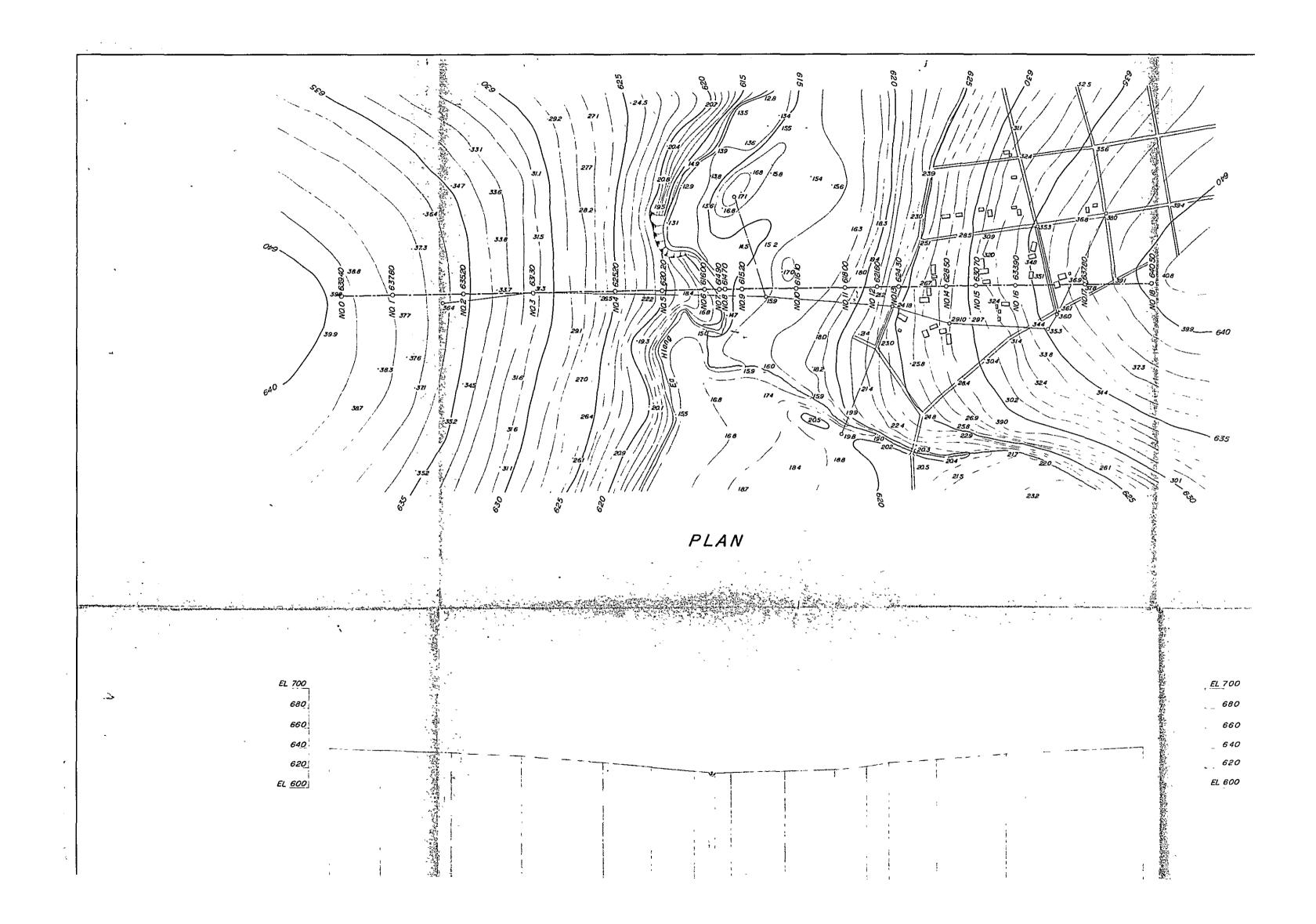


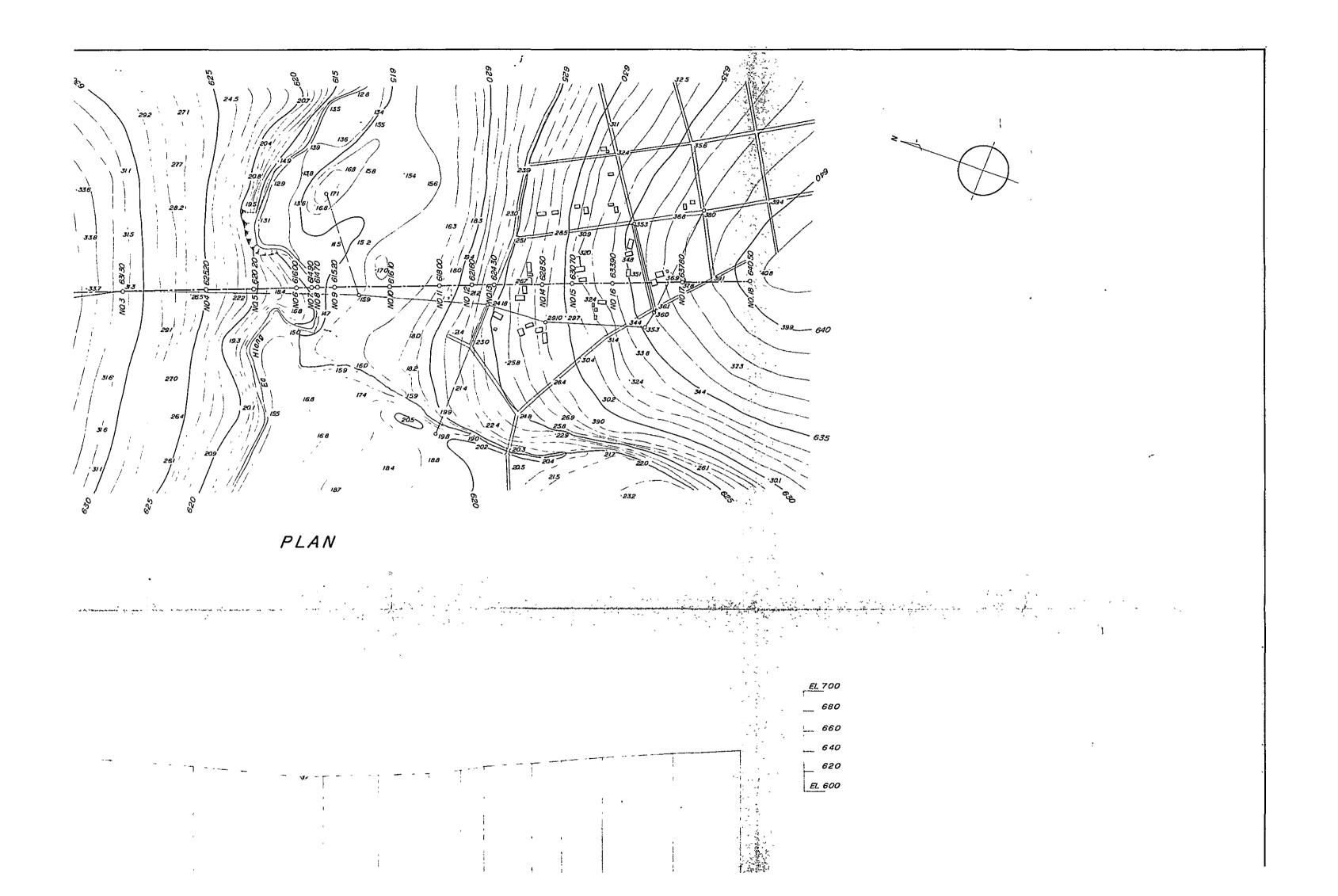


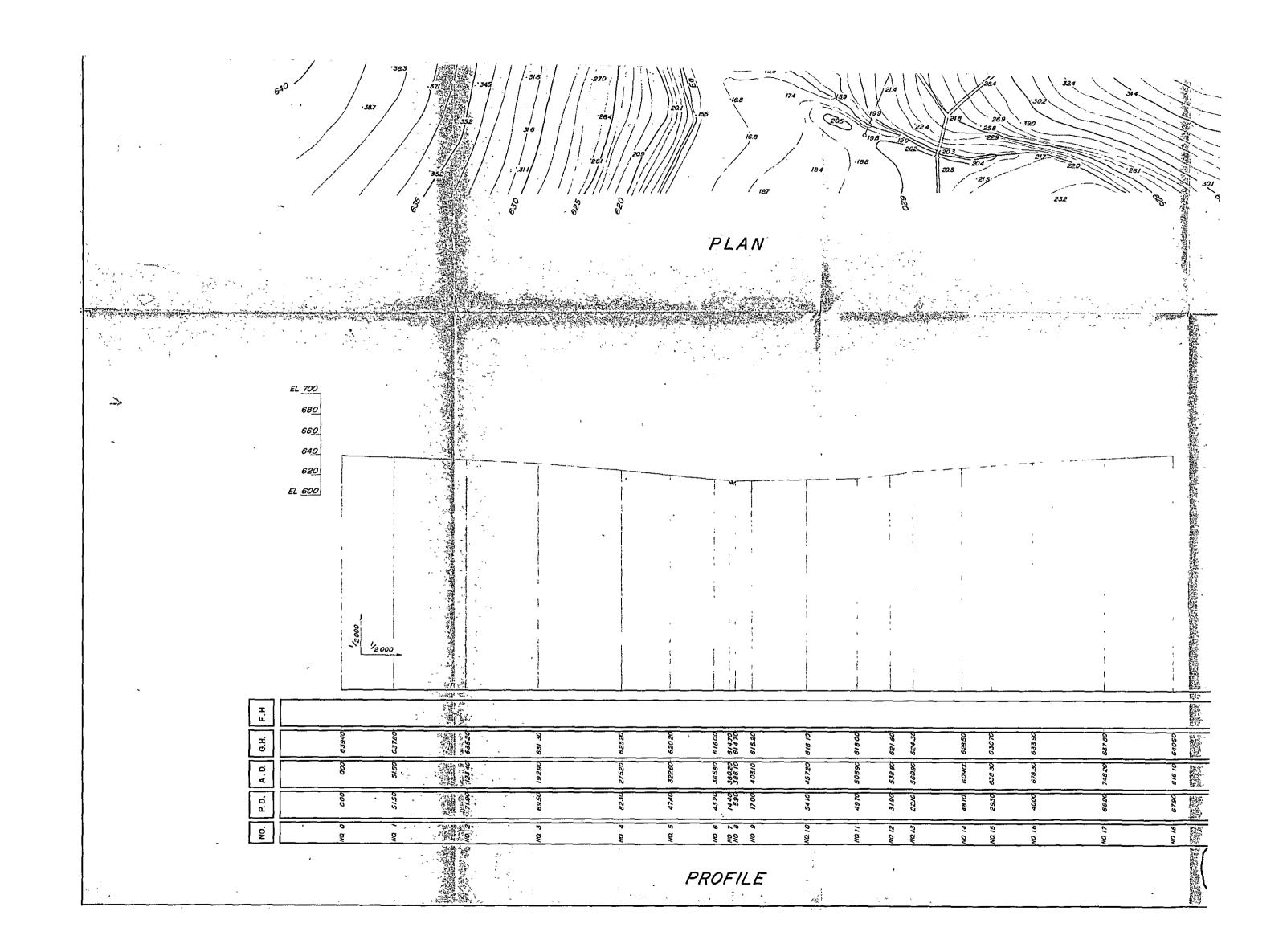


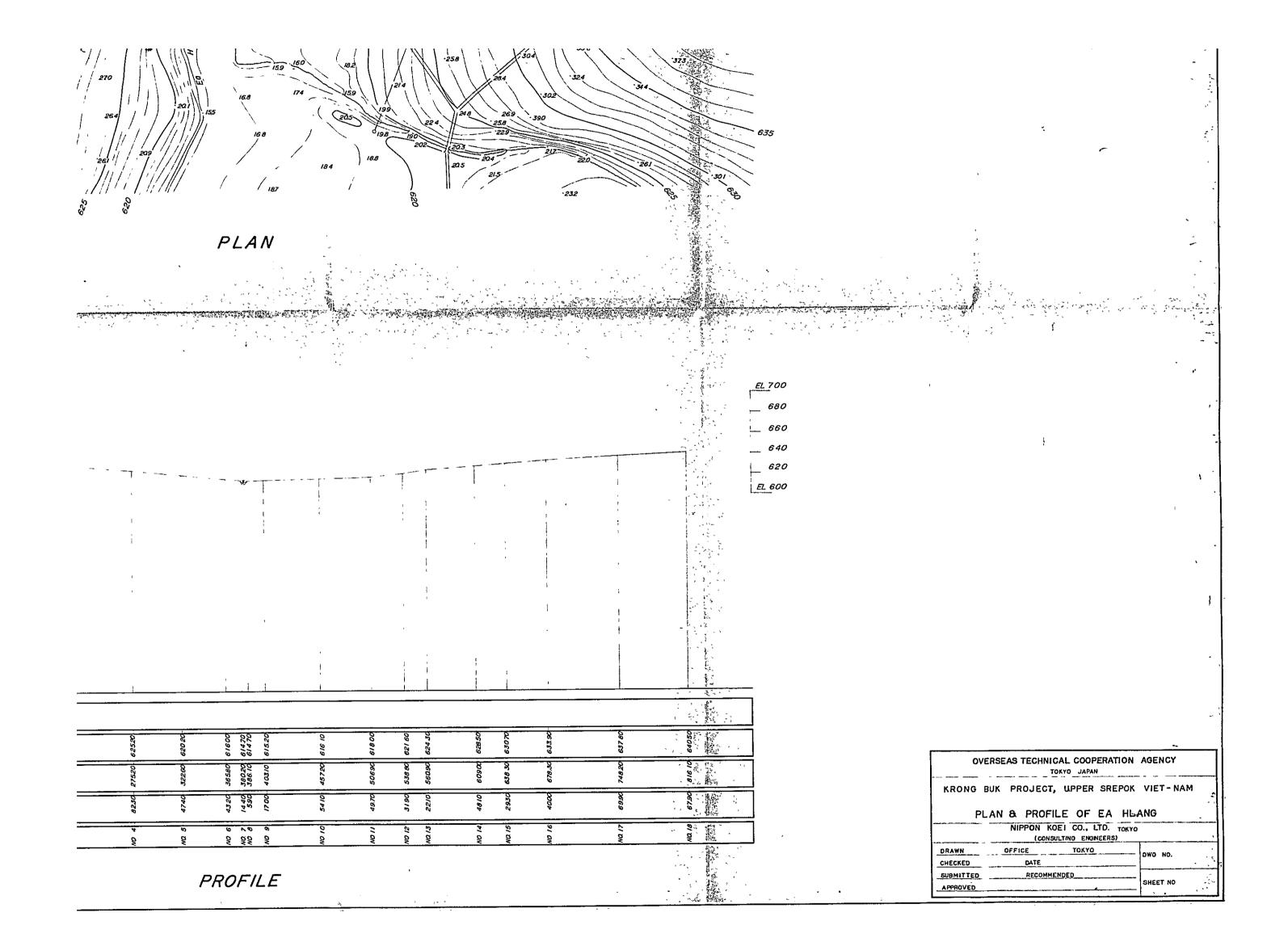


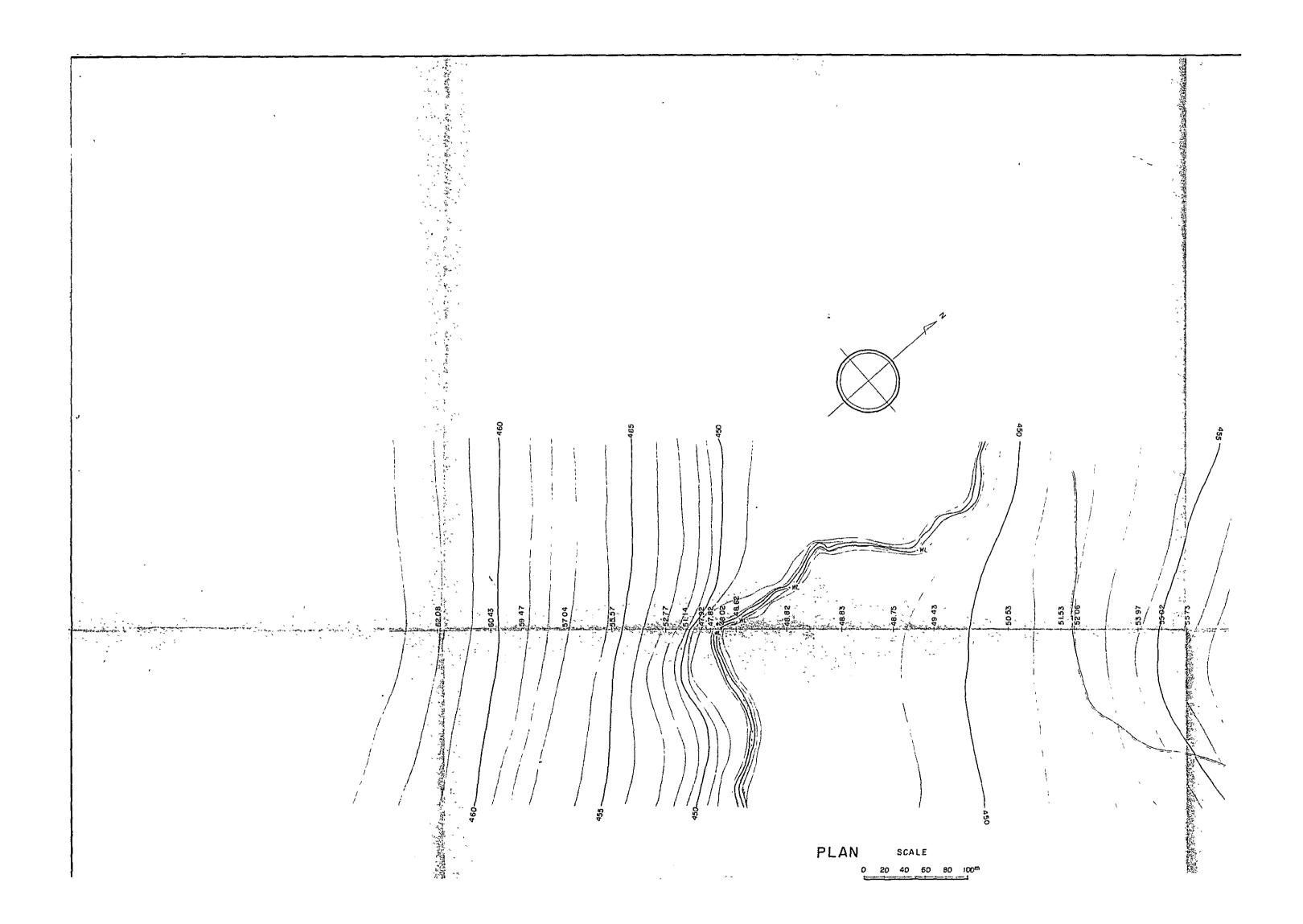


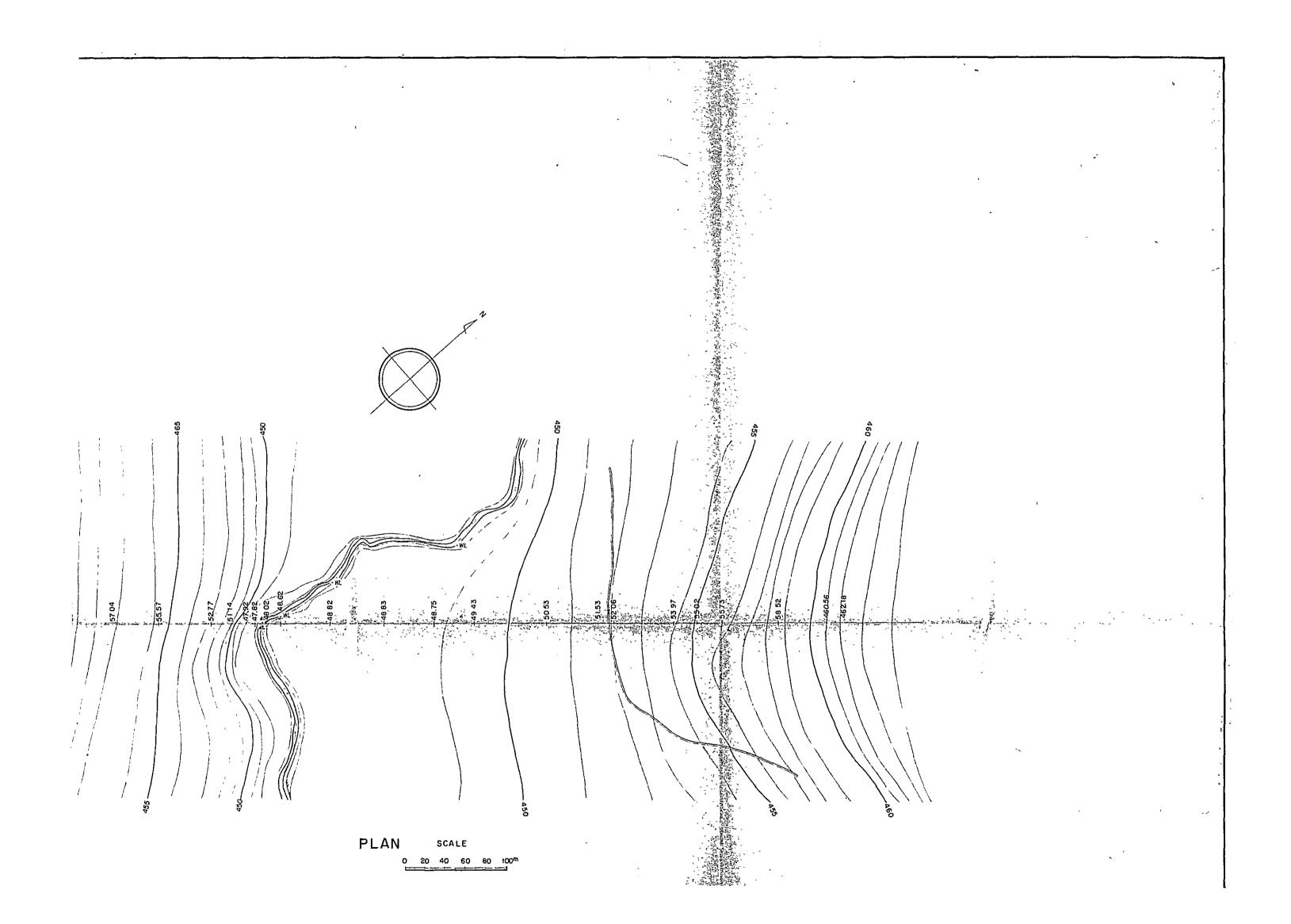


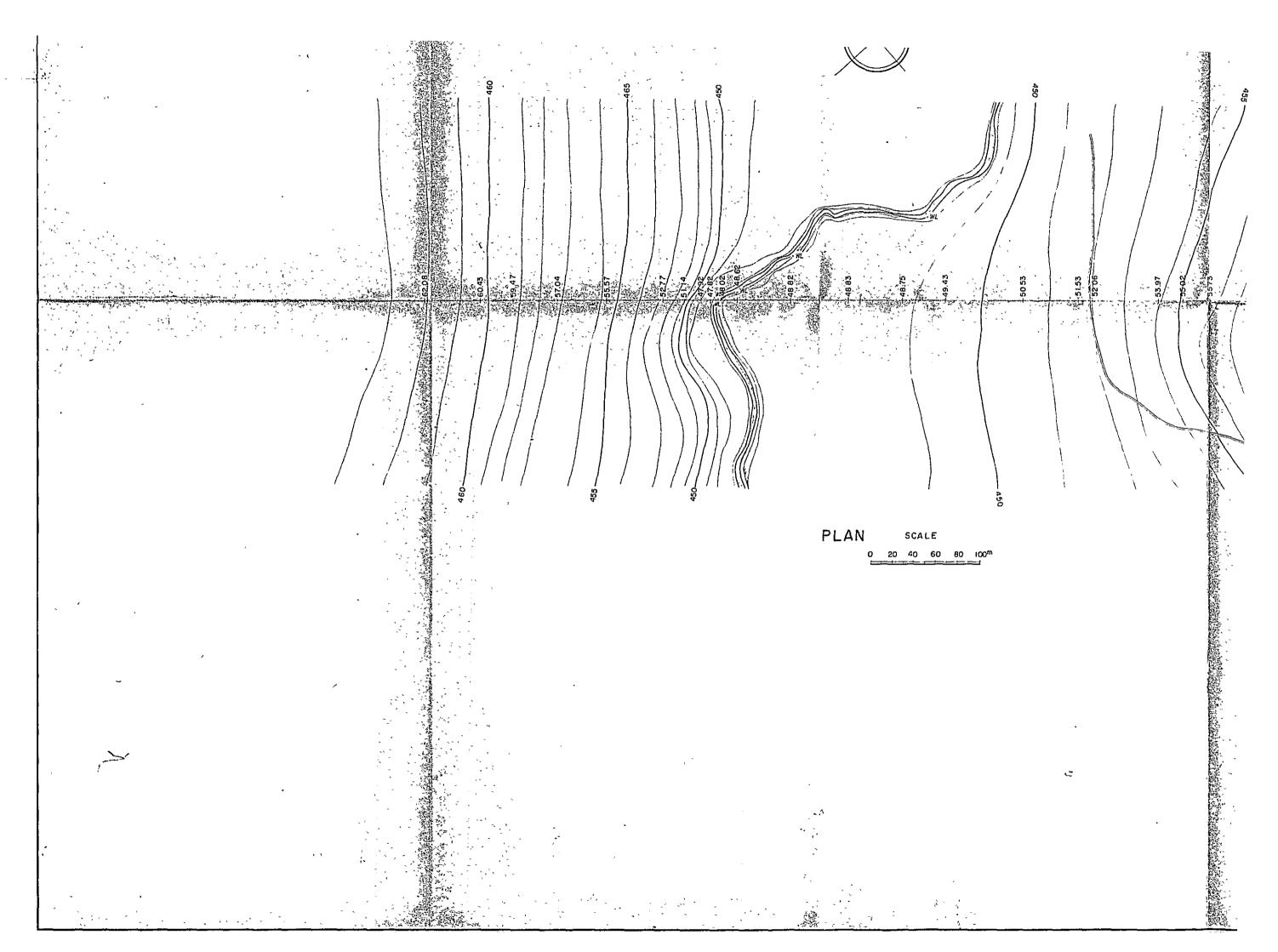


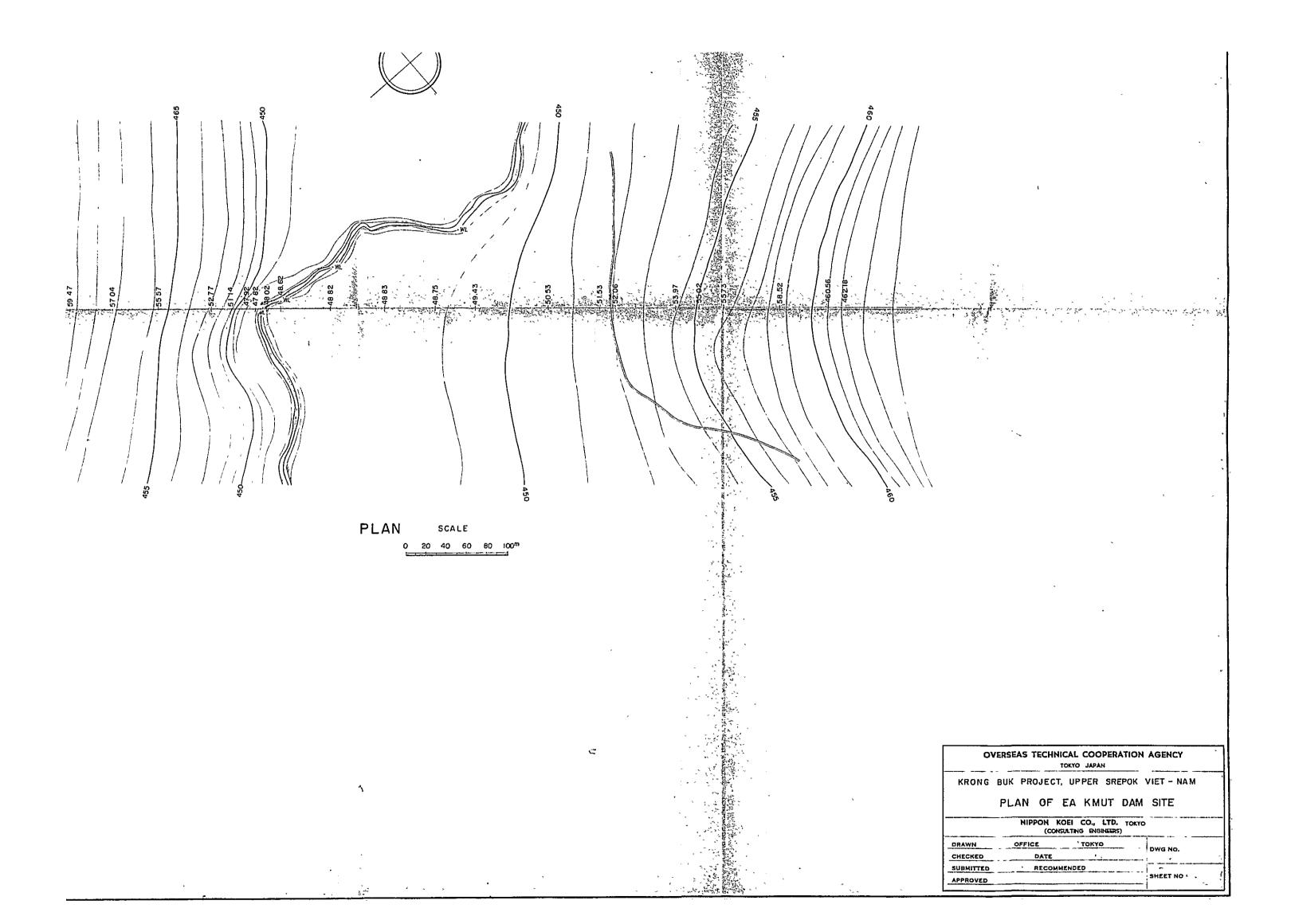












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| AGENCY | VIET - NAM | A SITE | | DWG. NO. |
|---|--|-----------------------------|---|--------------------|
| OVERSEAS TECHNICAL COOPERATION AGENCY TOKYO JAPAN | KRONG BUK PROJECT, UPPER SREPOK VIET - NAM | PROFILE OF EA KMUT DAM SITE | NIPPON KOEI CO, LTD TOKYO (CONSALTNG ENGINEERS) | DRAWN OFFICE TOKYO |