

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | I-HI-1(77):13      | 1969        | 113       | 154          |

### GENERAL NOTES

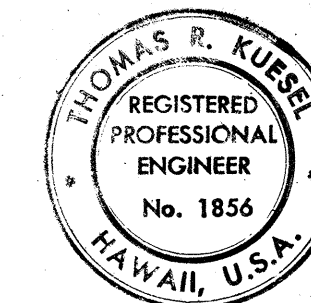
- NUMBER ADJACENT TO BORINGS REPRESENT BLOWS OF A 140 LB. HAMMER FALLING 30" PER FOOT OF PENETRATION OF SAMPLER, EITHER SPLIT SPOON (2" O.D. 1 3/8" I.D.) OR SHELBY TUBE, IDENTIFIED BY "SP" OR "SH" RESPECTIVELY.
  - ORIGINAL GROUND
  - PROPOSED PROFILE
  - ▽ WATER LEVEL
  - 382.3 COHESION VALUE FROM UNCONFINED COMPRESSION TEST (PSF)
  - SOIL SYMBOL REPRESENTS A GENERALIZED CLASSIFICATION. SEE BORING LOGS FOR DETAILED CLASSIFICATION.
- BORINGS DRILLED DURING PLANNING STAGE  
 STRUCTURE BORINGS  
 PROBINGS - 1" RETRACTABLE PLUG SAMPLER  
 PROBING LOGS ARE NOT SHOWN IN PROFILE. PROBING AND BORING LOGS ARE AVAILABLE FOR CONTRACTOR'S USE.

### ABBREVIATION

|     |                         |
|-----|-------------------------|
| SH. | SHELBY                  |
| SP  | SPLIT SPOON             |
| WH. | WEIGHT OF HAMMER        |
| P   | PUSH                    |
| HYD | HYDRAULIC               |
| PR. | PRESS                   |
| NX. | % RECOVERY OF ROCK CORE |

### LEGEND

|  |                      |  |                 |
|--|----------------------|--|-----------------|
|  | GRAVEL               |  | SCORIAEOUS LAVA |
|  | BOULDERS             |  | ASH             |
|  | SAND                 |  | WEATHERED ROCK  |
|  | SILT                 |  | TUFF            |
|  | CLAY                 |  | BASALTIC ROCK   |
|  | MUCK OR ORGANIC SILT |  |                 |



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
*T. R. Kiesel*

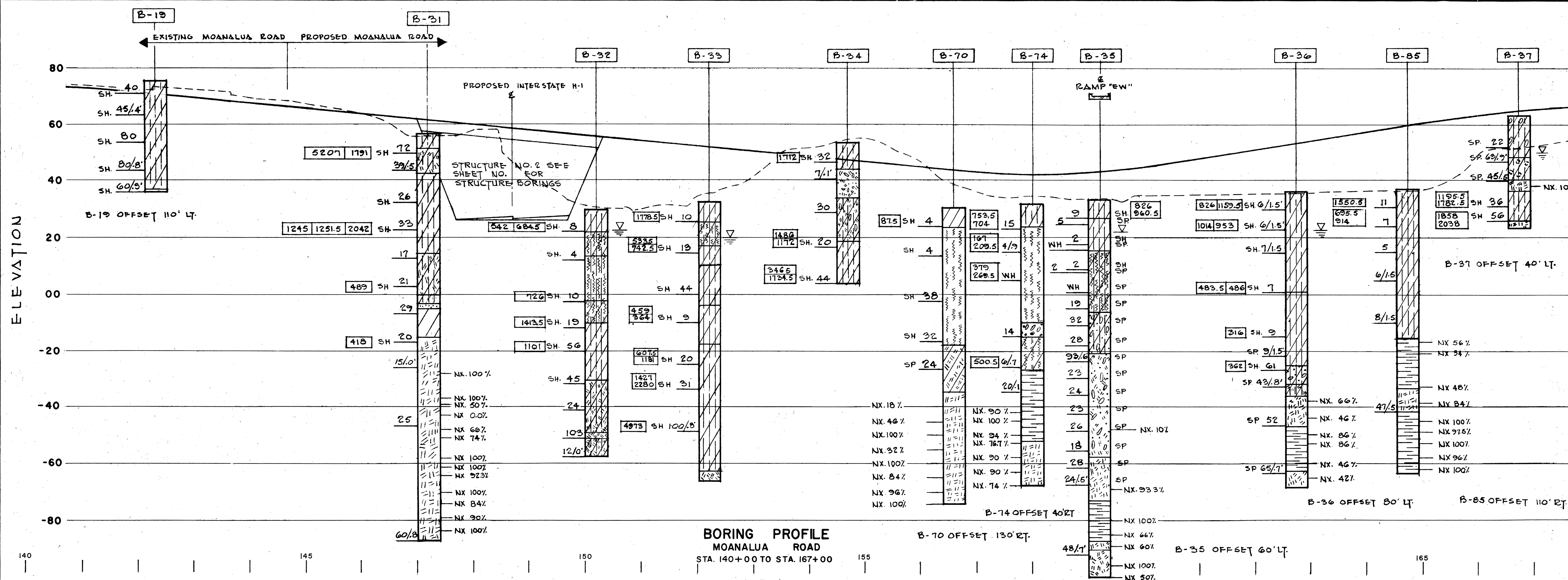
STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

## BORING PROFILE

HALAWA INTERCHANGE  
 PROJECT NO. I-HI-1(77):13

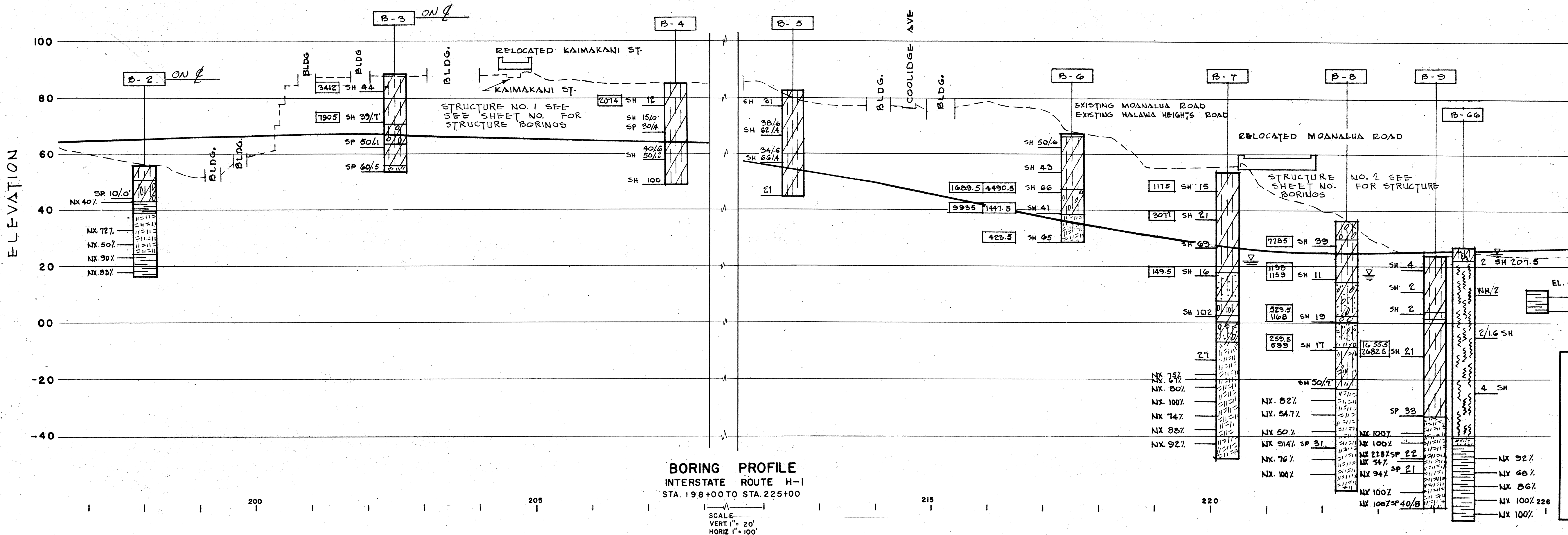
SCALE: AS NOTED DATE: NOV. 28, 1969

SHEET No. 11 OF 21 SHEETS



BORING PROFILE  
 MOANALUA ROAD  
 STA. 140+00 TO STA. 167+00

SCALE  
 VERT. 1" = 20'  
 HORIZ. 1" = 100'

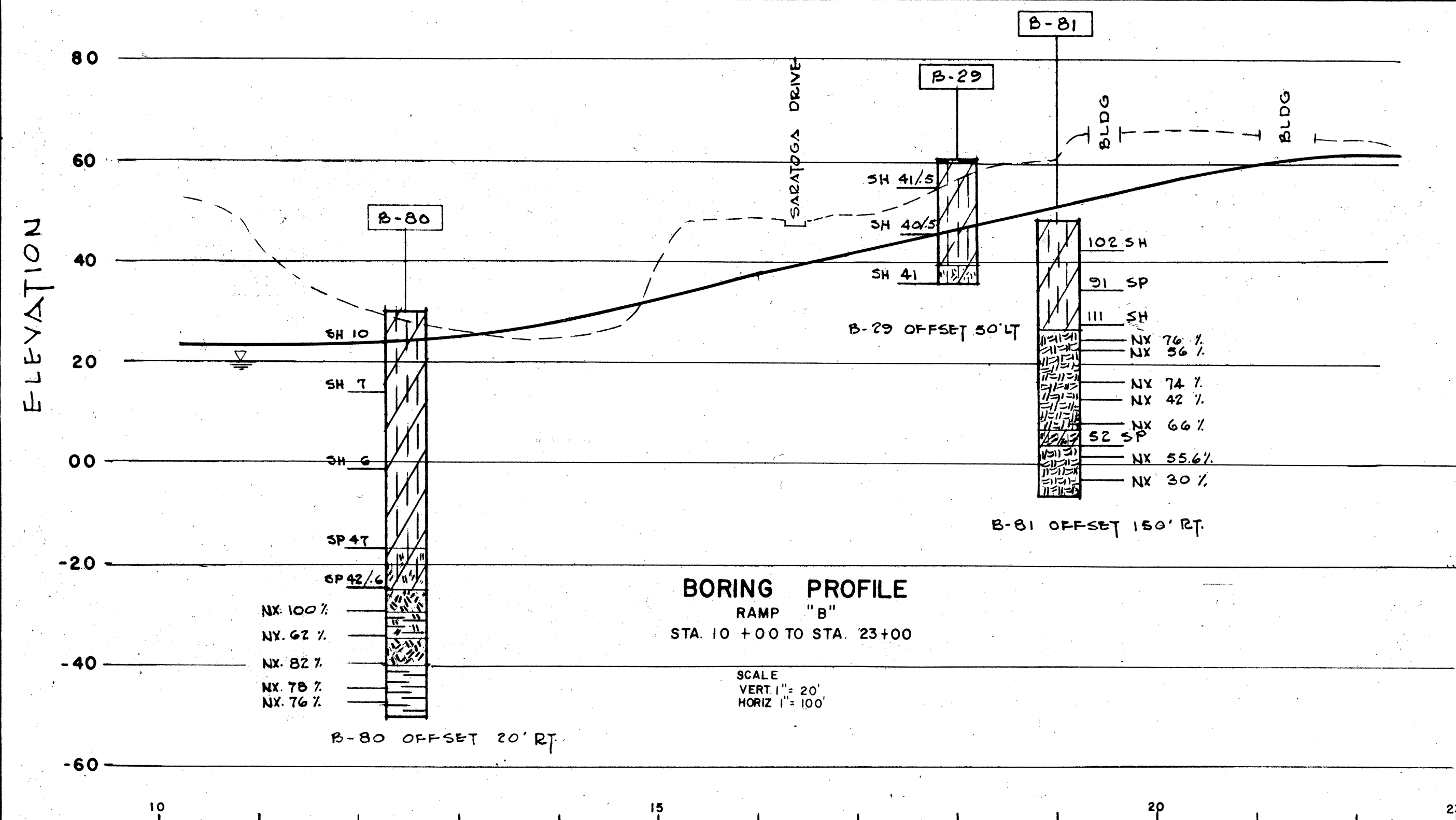


BORING PROFILE  
 INTERSTATE ROUTE H-1  
 STA. 198+00 TO STA. 225+00

SCALE  
 VERT. 1" = 20'  
 HORIZ. 1" = 100'

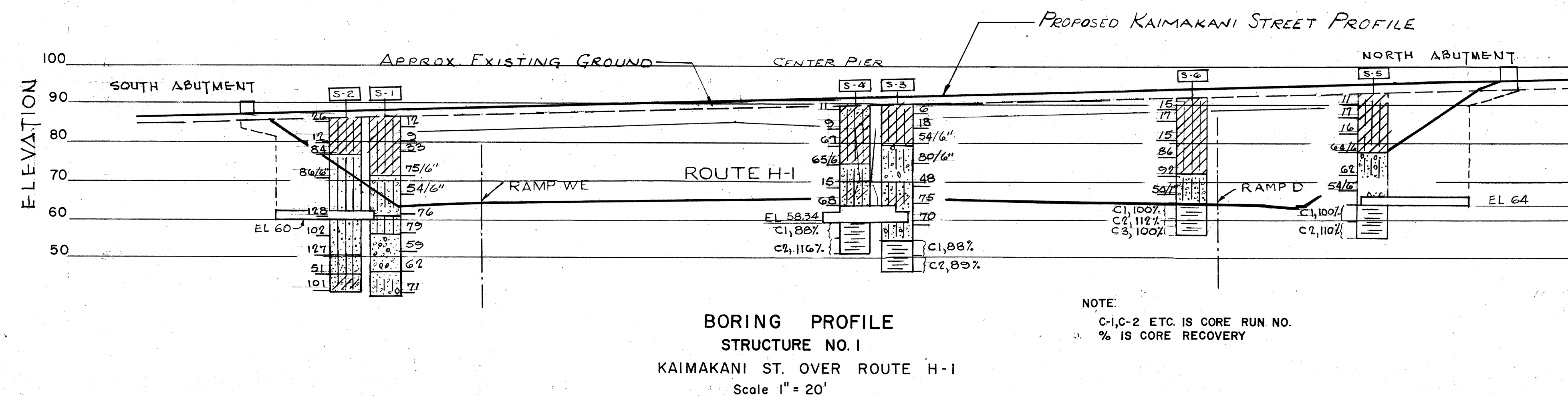
|               |           |
|---------------|-----------|
| DATE          | 8-7-69    |
| DESIGNED BY   | W. J. ... |
| CHECKED BY    | W. J. ... |
| ORIGINAL PLAN |           |
| NOTE BOOK     |           |
| W.            |           |

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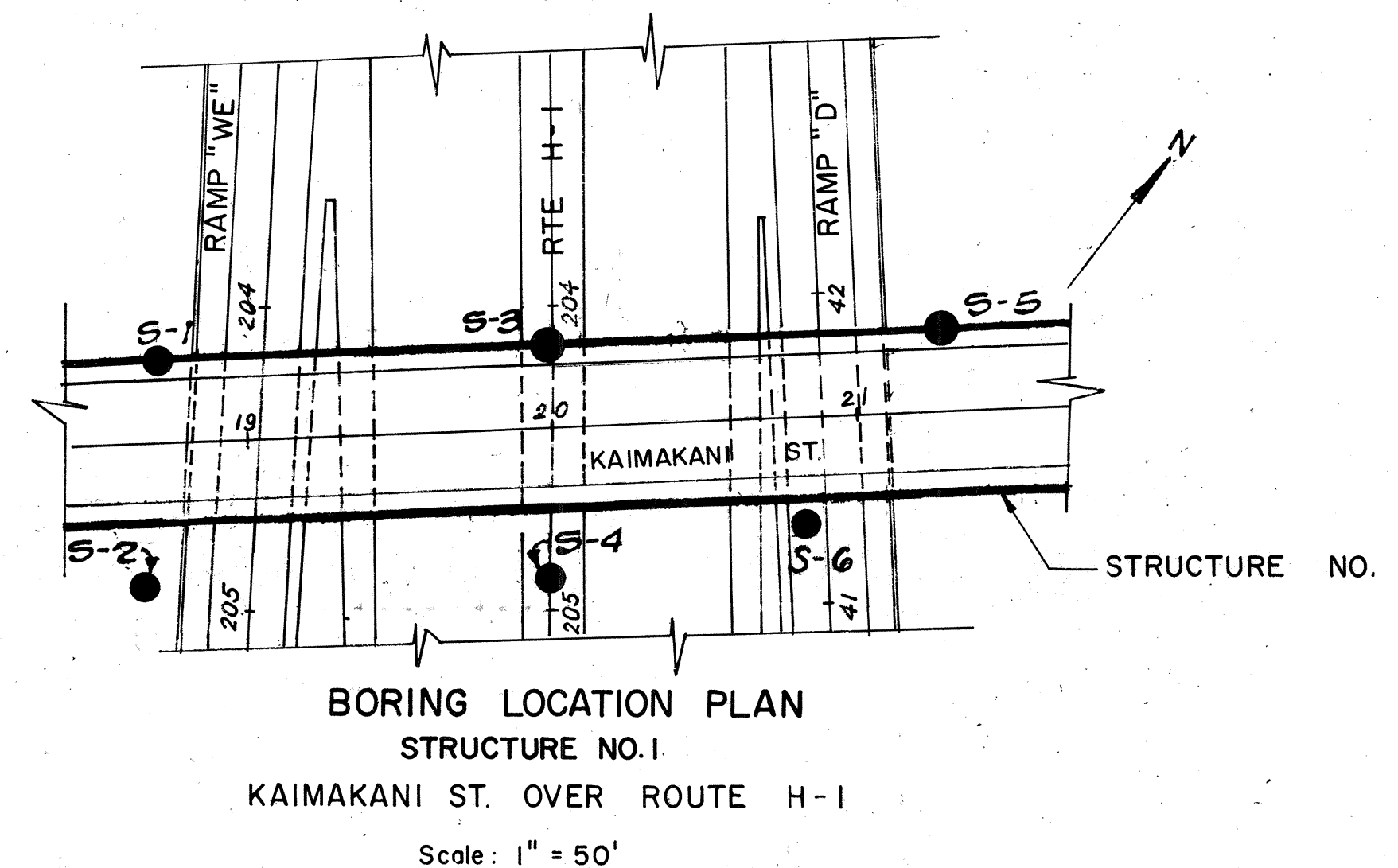
**NOTE:**

FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND SEE SHEET 11



**NOTE:**

C-1, C-2 ETC. IS CORE RUN NO.  
% IS CORE RECOVERY



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*T.R. Kiesel*

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**BORING PROFILES  
AND LOCATION PLAN**

HALAWA INTERCHANGE  
PROJECT NO. I-HI-1(77)-13

SCALE: AS NOTED DATE: NOV. 28, 1969

**SHEET No. 21 OF 21 SHEETS**

|               |        |
|---------------|--------|
| DESIGNED BY   | DATE   |
| DRAWN BY      | 7/7/69 |
| CHECKED BY    |        |
| ORIGINAL PLAN |        |
| NOTE BOOK     |        |