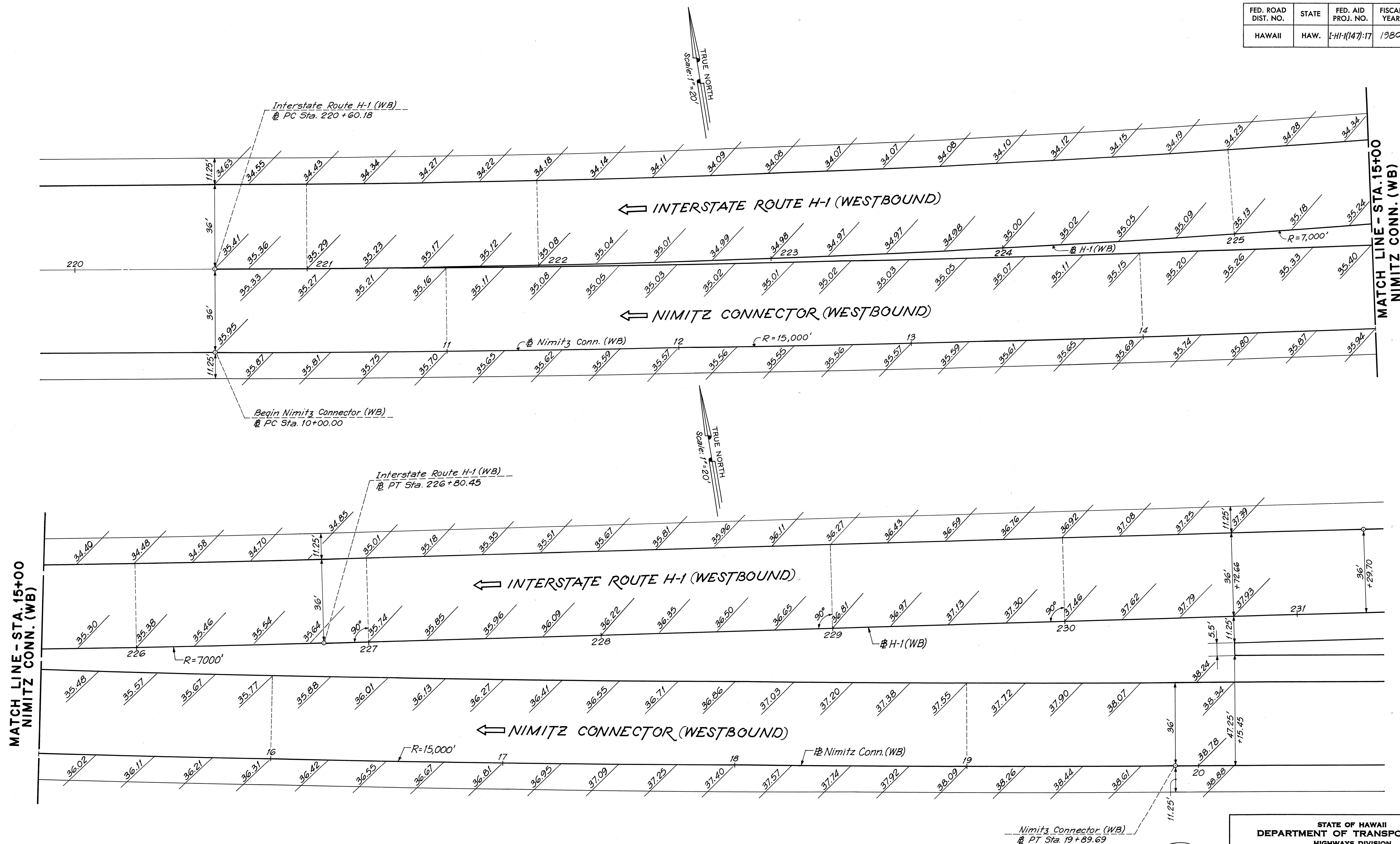
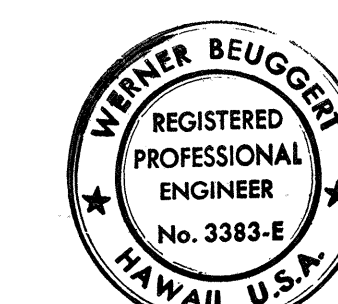


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | I-HI-1(147):17     | 1980        | 12        | 338          |



# INTERSTATE ROUTE H-1 (WB) & NIMITZ CONNECTOR (WB)

| DATE        | BY |
|-------------|----|
| DESIGNED BY |    |
| DRAWN BY    |    |
| CHECKED BY  |    |
| NOTED BY    |    |
| NO.         |    |



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

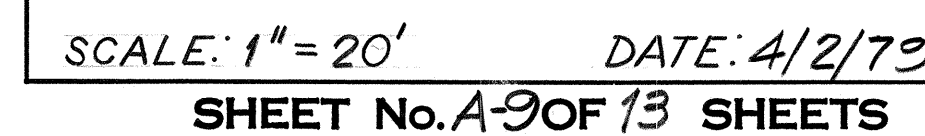
RAMP TERMINAL DETAILS

INTERSTATE ROUTE H-1  
PROJECT NO. I-HI-1 (147):17

SCALE: 1" = 20' DATE: 4/2/79

SHEET No. A-8 OF 13 SHEETS





|                  |                        |           |
|------------------|------------------------|-----------|
| ORIGINAL<br>PLAN | SURVEY PLOTTED BY..... | DATE..... |
| NOTE BOOK        | DRAWN BY.....          | ".....    |
|                  | TRACED BY.....         | ".....    |
|                  | DESIGNED BY.....       | ".....    |
|                  | QUANTITIES BY.....     | ".....    |
| No.....          | CHECKED BY.....        | ".....    |



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | I-HI-1(147):17     | 1980        | 14        | 338          |

# LEGEND

- Finish Grade Elevation
- Edge of Traveled Way
- Gutter or Pavement
- Conc. Curb (For Construction limits see Roadway Construction Plans)
- Temporary Pavement
- 3:45 Flare = Parabolic Curve,  $x=45'$ ,  $y=3'$
- By Others

|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DESIGNED BY       | _____ |
| QUANTITIES BY     | _____ |
| CHECKED BY        | _____ |
| ORIGINAL PLAN     | _____ |
| NOTE BOOK         | _____ |
| NO.               | _____ |

## INTERSECTION MAKAI/MAUKA FRONTAGE ROADS and LAGOON DRIVE & PUULOA ROAD

SCALE: 1" = 20'

MATCH LINE - SEE ABOVE LEFT

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**INTERSECTION OF  
PUULOA ROAD & LAGOON DRIVE**  
INTERSTATE ROUTE H-1  
PROJECT NO. I-HI-1 (147):17

SCALE: 1" = 20'      DATE: 4/2/79

SHEET No. A-10 OF 13 SHEETS

REGISTERED  
PROFESSIONAL  
ENGINEER  
No. 3383-E  
HAWAII, U.S.A.

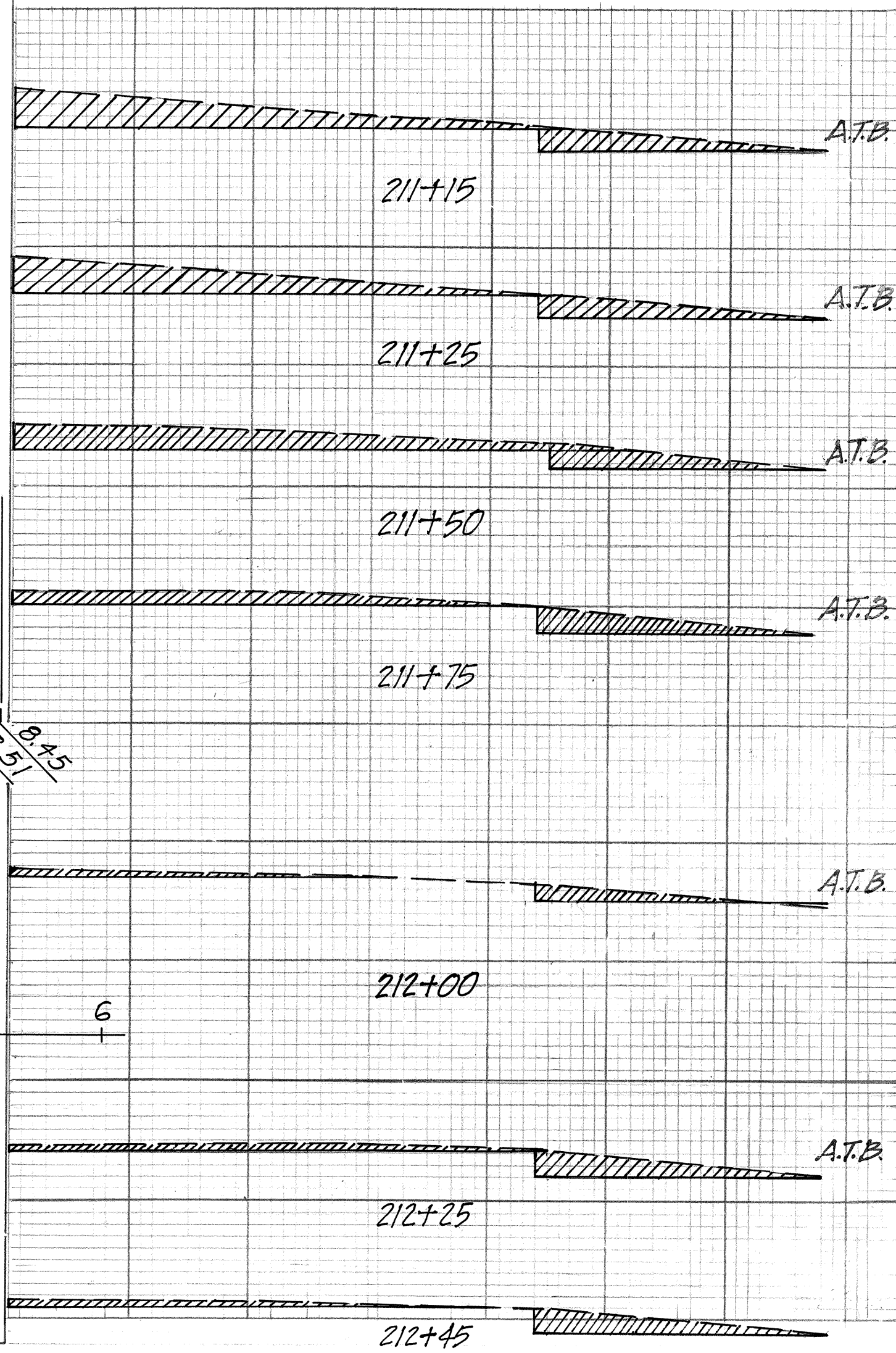
THIS WORK WAS PREPARED BY  
ME/DR UNDER MY SUPERVISION.



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | I-H1-1(147):17     | 1980        | 15        | 338          |

TRUE NORTH  
Scale: 1" = 20'

PROPOSED COLD PLANING



COLD PLANING OF EXISTING A.C. PAVEMENT  
MAUKA FRONT RD. STA. 211+15 TO 212+45 RT.

Scale: Horiz. 1" = 5'  
Vert. 1" = 1'

CHANGE ORDER #105

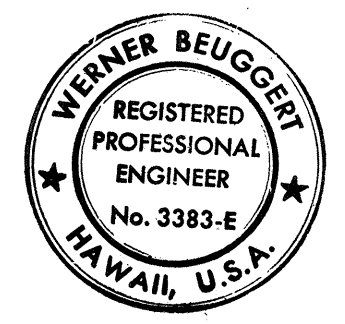
8/24/82 Extended Curb & Gutter on West Side to Sta. 5+83. Terminated Median at Sta. 4+50

DATE REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

INTERSECTION OF  
PUULOLO ROAD & LAGOON DRIVE  
INTERSTATE ROUTE H-1  
PROJECT NO. I-H1-1 (147):17

SCALE: 1" = 20' DATE: 4/2/79  
SHEET NO. A-11 OF 13 SHEETS



THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION.  
Werner Beugert

| GLADE  | C=0.31 | C=0.21 | C=0.11 | C=0.06 | C=0.06 | F=0.25 | F=0.36 | F=0.29 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| F=0.10 | C=0.15 | C=0.17 | C=0.11 | C=0.02 | C=0.07 | F=0.21 | F=0.34 | F=0.31 |
| F=0.06 | C=0.01 | C=0.05 | F=0.01 | F=0.07 | C=0.01 | F=0.21 | F=0.33 | F=0.32 |
| F=0.06 | F=0.19 | F=0.15 | F=0.22 | F=0.25 | F=0.21 | F=0.13 | F=0.24 | F=0.32 |
|        |        |        | F=0.55 | F=0.57 | F=0.59 | F=0.56 | F=0.60 | F=0.34 |
|        |        |        | F=0.85 | F=0.88 | F=0.91 | F=0.95 | F=0.96 | F=0.94 |

NOTE: Cut or fill to finish A.T.B.

CHANGE ORDER #105

PLAN  
Scale: 1" = 20'

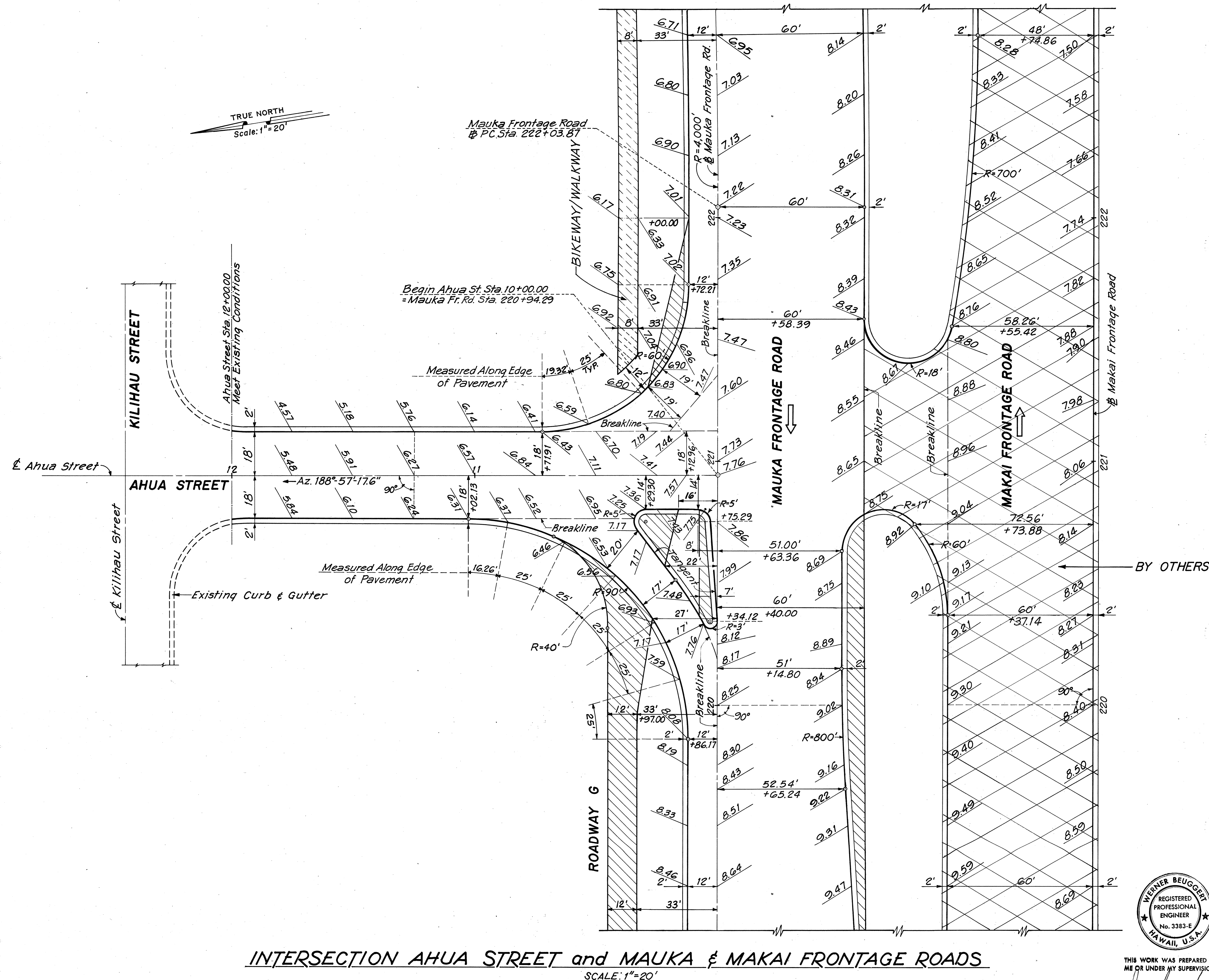
MATCH LINE - SEE SHEET A-10

Measured along Edge of Pav't

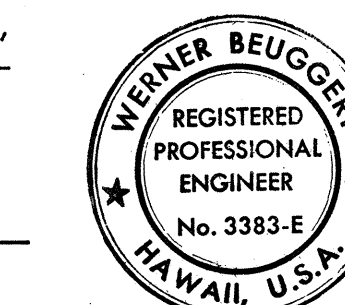
|                   |  |
|-------------------|--|
| DATE              |  |
| SURVEY PLOTTED BY |  |
| ORIGINAL PLAN     |  |
| TRACED BY         |  |
| NOTE BOOK         |  |
| QUANTITIES BY     |  |
| CHECKED BY        |  |
| NO.               |  |



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | [H-1(147)-17]      | 1980        | 16        | 338          |



|                   |  |
|-------------------|--|
| DATE              |  |
| SURVEY PLOTTED BY |  |
| DESIGNED BY       |  |
| NOTED BY          |  |
| CHECKED BY        |  |
| ORIGINAL PLAN     |  |
| NOTE BOOK         |  |
| No.               |  |



THIS WORK WAS PREPARED BY  
ME OR UNDER MY SUPERVISION.  
Werner Beugger

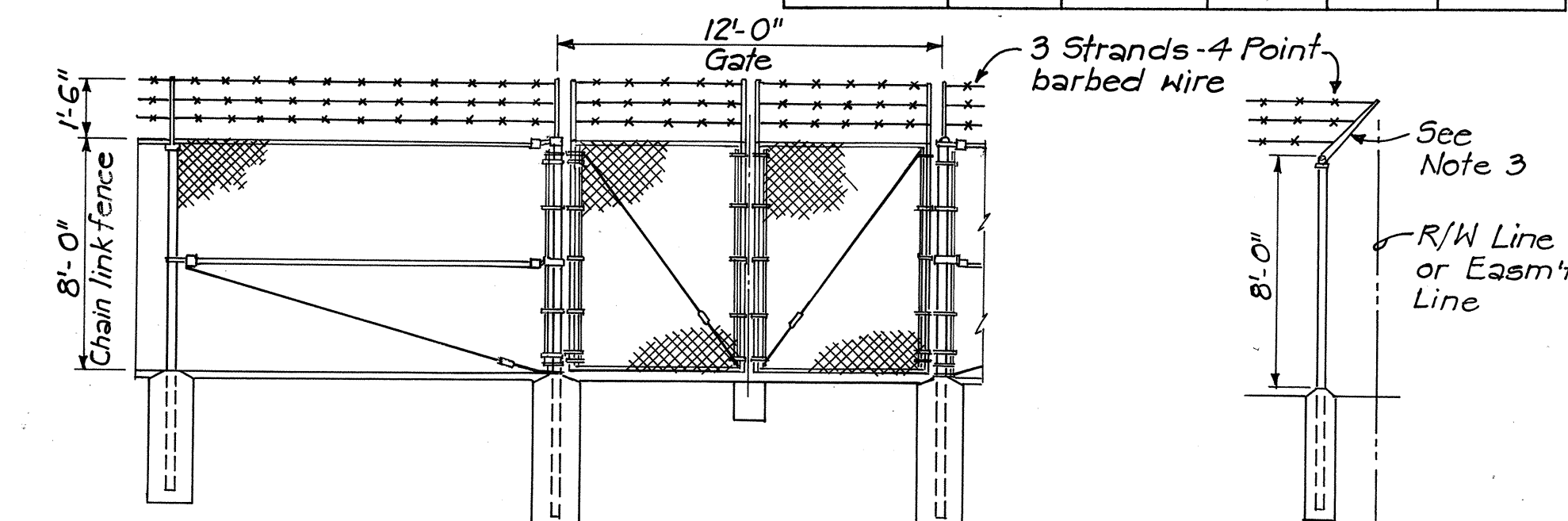
CHANGE ORDER #45

|                                                                      |                                          |
|----------------------------------------------------------------------|------------------------------------------|
| 7/1/81                                                               | Revised alignment of<br>Bikeway/Walkway. |
| DATE                                                                 | REVISION                                 |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION |                                          |
| AHUA STREET INTERSECTION                                             |                                          |
| INTERSTATE ROUTE H-1<br>PROJECT NO. I-H-1 (147)-17                   |                                          |
| SCALE: 1" = 20'                                                      | DATE: 4/2/79                             |
| SHEET No. A-12 OF 13 SHEETS                                          |                                          |

C.O. 16



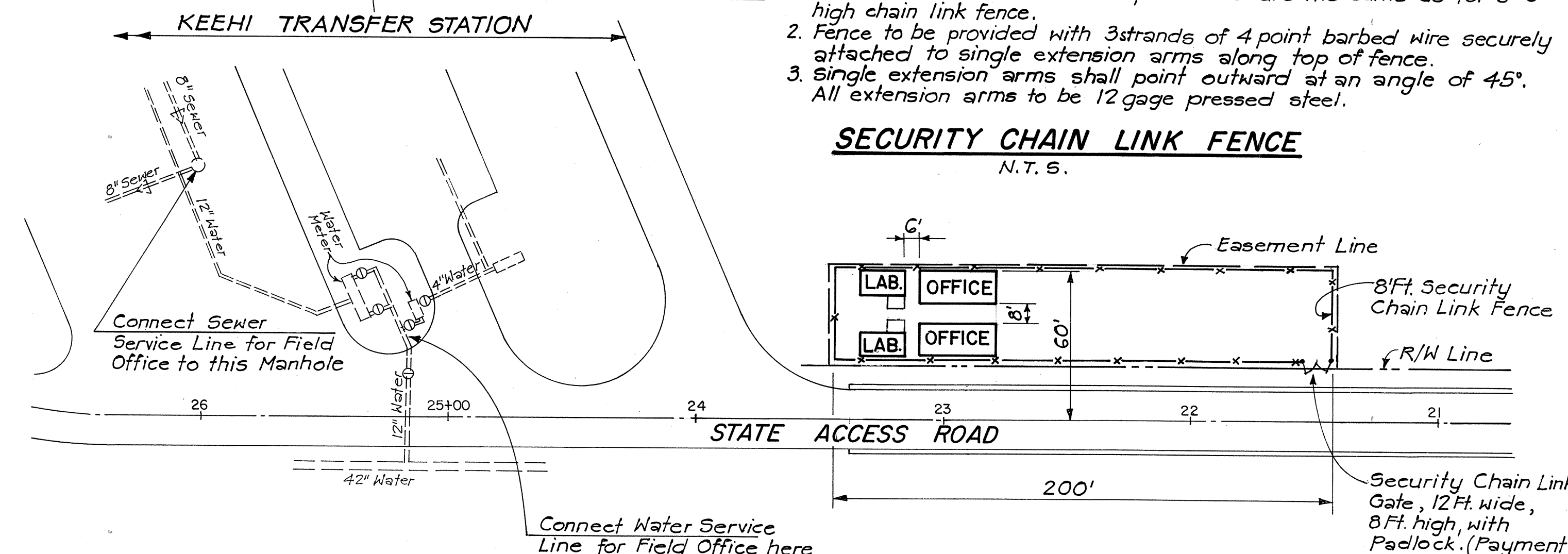
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | I-H1-1(147):17     | 1980        | 17        | 338          |



- NOTES: 1. Material and construction requirements are the same as for 6'-0" high chain link fence.  
2. Fence to be provided with 3 strands of 4 point barbed wire securely attached to single extension arms along top of fence.  
3. Single extension arms shall point outward at an angle of 45°. All extension arms to be 12 gage pressed steel.

### SECURITY CHAIN LINK FENCE

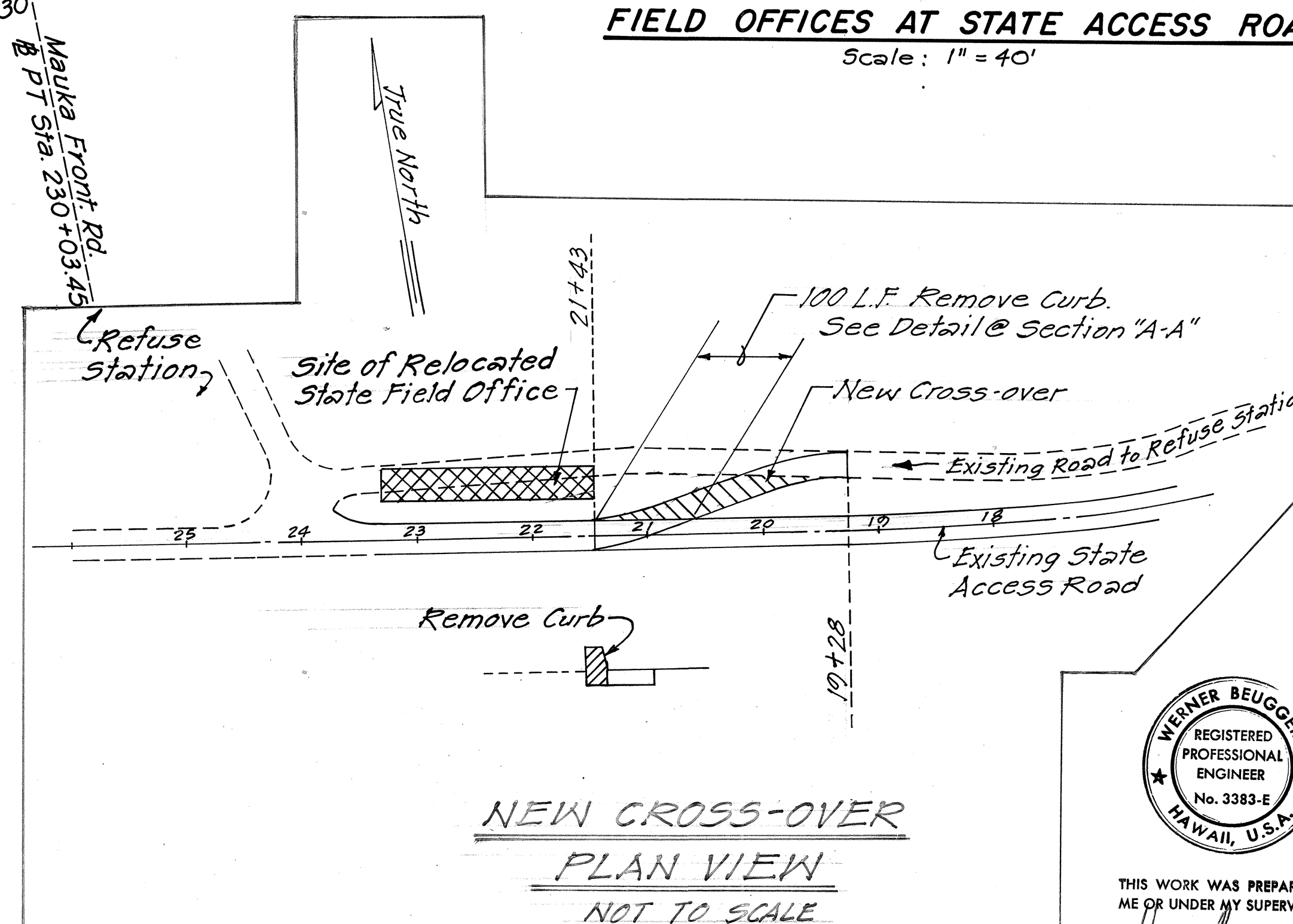
N.T.S.



- NOTES: 1. Contractor shall coordinate work within area of Keehi Transfer Station with the Refuse Collection and Disposal Division, City and County of Honolulu. Contractor shall comply with the Division's requirements.  
2. Prior to excavation work for service lines, the Contractor shall determine location of existing utilities.  
3. All construction work within the property of Transfer Station shall be made without interruption to operation and traffic flow.

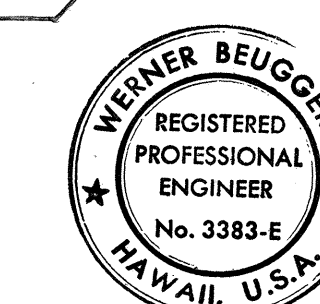
### FIELD OFFICES AT STATE ACCESS ROAD

Scale: 1" = 40'



NEW CROSS-OVER  
PLAN VIEW  
NOT TO SCALE

CHANGE ORDER # 14

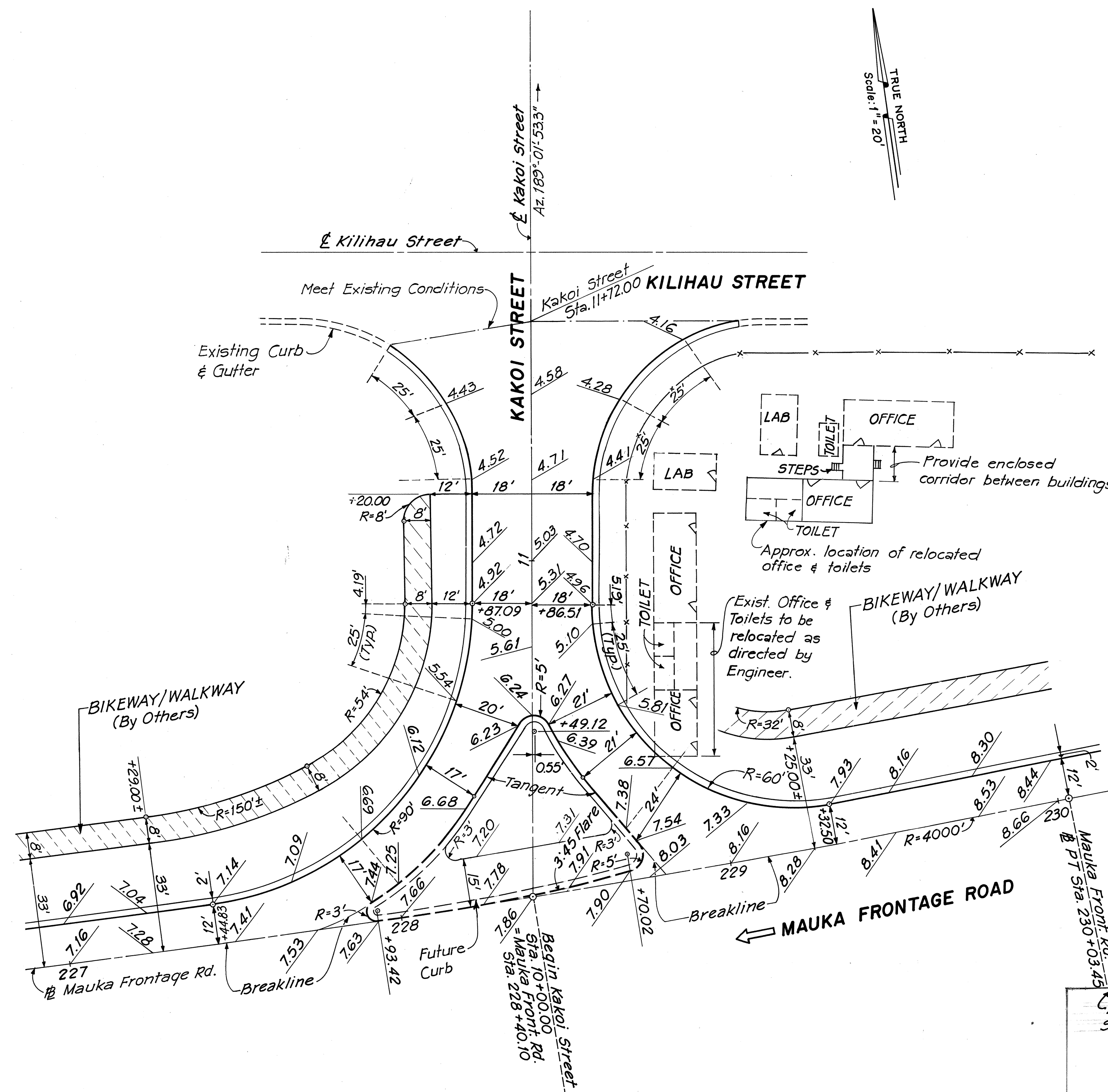


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

| DATE    | REVISION                                                                           |
|---------|------------------------------------------------------------------------------------|
| 4/12/83 | Revisions to Spot Elevations on Kakoi Street due to new existing grade elevations. |
| 9/12/80 | Added Field Offices at State Access Rd.                                            |

| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION   |              |
|------------------------------------------------------------------------|--------------|
| <b>KAKOI STREET INTERSECTION<br/>&amp; RELOCATION OF FIELD OFFICES</b> |              |
| INTERSTATE ROUTE H-1<br>PROJECT NO. I-H1-1 (147):17                    |              |
| SCALE: 1" = 20'                                                        | DATE: 4/2/79 |
| SHEET NO. A-13 OF 13 SHEETS                                            |              |

C.O. ADD. 17



### INTERSECTION KAKOI STREET and MAUKA FRONTAGE ROAD

SCALE: 1" = 20'

|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DRAWN BY          | _____ |
| DESIGNED BY       | _____ |
| CHECKED BY        | _____ |
| ORIGINAL PLAN     | _____ |
| NOTE BOOK         | _____ |
| No.               | _____ |