





| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | NH-072-1(47)       | 2000        | 66        | 91           |

Install Approach-Only Microwave Vehicle Detector and No. 18 4-Conductor Cable (Install in Exist. Conduits and Controller) (200 L.F.)

Install Approach-Only Microwave Vehicle Detector and No. 18 4-Conductor Cable (Install in Exist. Conduits and Controller) (130 L.F.)

Remove Exist. Ped. Push Button and Plug Hole. Install New R10-4b(R) Ped. Signal Push Button w/ Integral Sign on Exist. Traffic Signal Pole.

Install New R10-4b(L) Ped. Signal Push Button w/ Integral Sign on Exist. Traffic Signal Pole.

# Sta. 15+35± Lt.  
3 Ea., 1-6'x6' Loop Detector, Center in Lane

1 Ea., 6-6'x6' Loop Detectors, Center in Lane

Install Approach-Only Microwave Vehicle Detector and No. 18 4-Conductor Cable (Install in Exist. Conduits and Controller) (65 L.F.)

1 Ea., 6-6'x6' Loop Detectors, Center in Lane

# Sta. 8+30± Rt.  
3 Ea., 1-6'x6' Loop Detector, Center in Lane

Remove Exist. Ped. Push Button and Plug Hole. Install New R10-4b(R) Ped. Signal Push Button w/ Integral Sign on Exist. Traffic Signal Pole.

|               |                          |      |
|---------------|--------------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY        | DATE |
| NOTE BOOK     | DRAWN BY M. Takaijiri    | X    |
| 142/mey       | TRACED BY Steven Yoshida |      |
| N. Orellana   | QUANTITIES BY            |      |
|               | CHECKED BY               |      |

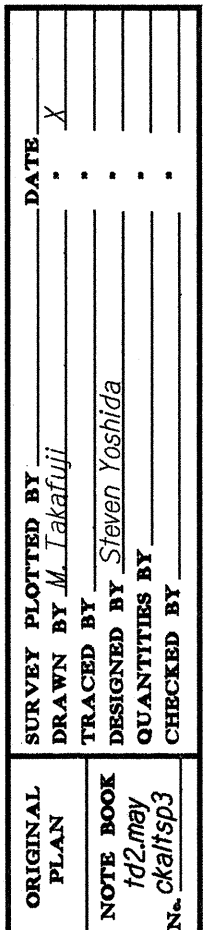
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC SIGNAL PLAN**  
**KALANAINAOLE HIGHWAY RESURFACING**  
**Ainakoa Avenue to West Hind Drive**  
**Federal Aid Project No. NH-072-1(47)**  
Scale: 1"=20'  
Date: June, 1999

SHEET No. 715 OF 23 SHEETS



TRUE NORTH  
SCALE: 1" = 20'



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC SIGNAL PLAN**

**KALANIANA'OLE HIGHWAY RESURFACING**  
**Ainako'a Avenue to West Hind Drive**  
**Federal Aid Project No. NH-072-1(47)**

Scale: 1"=20'                      Date: June, 1999

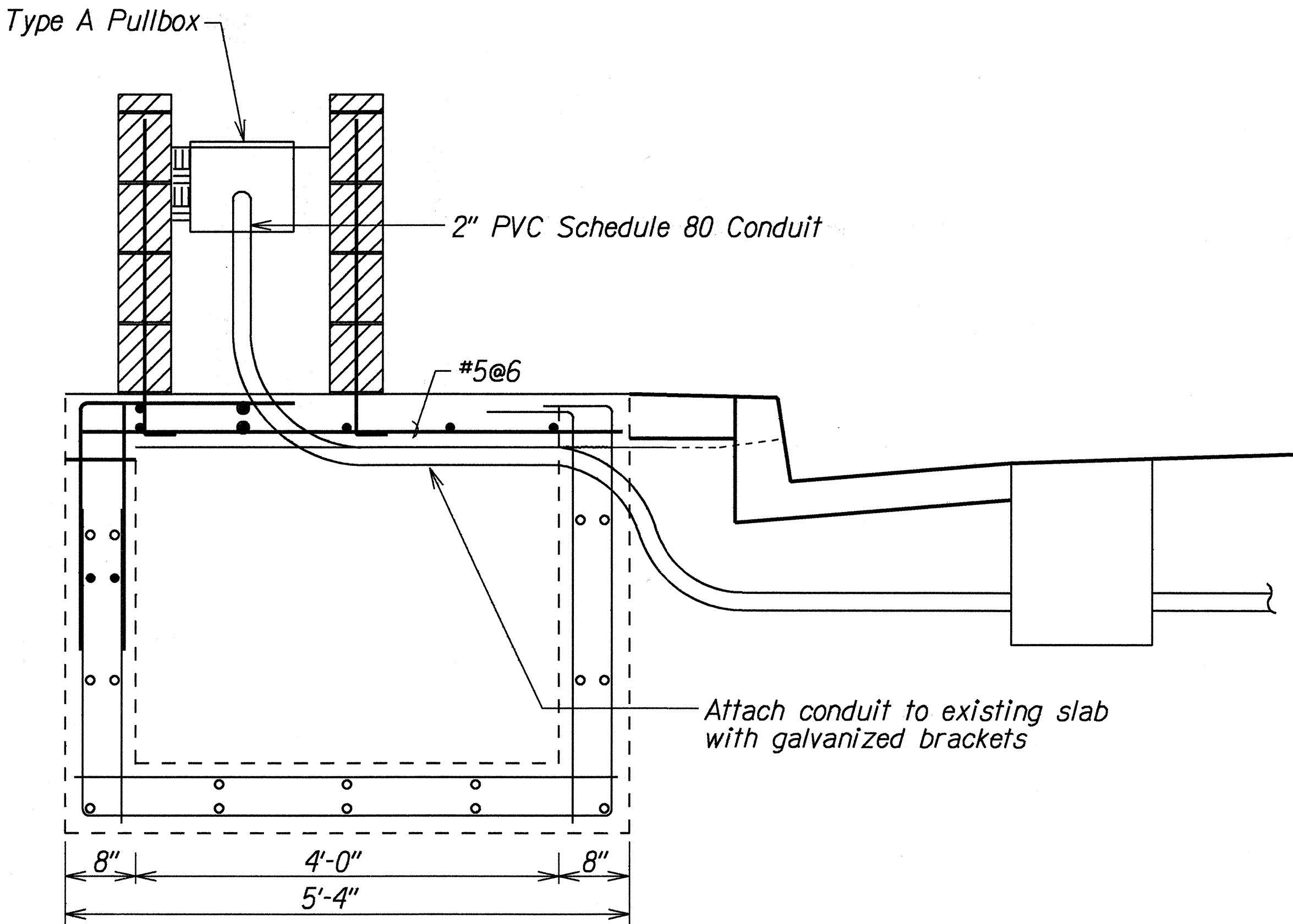
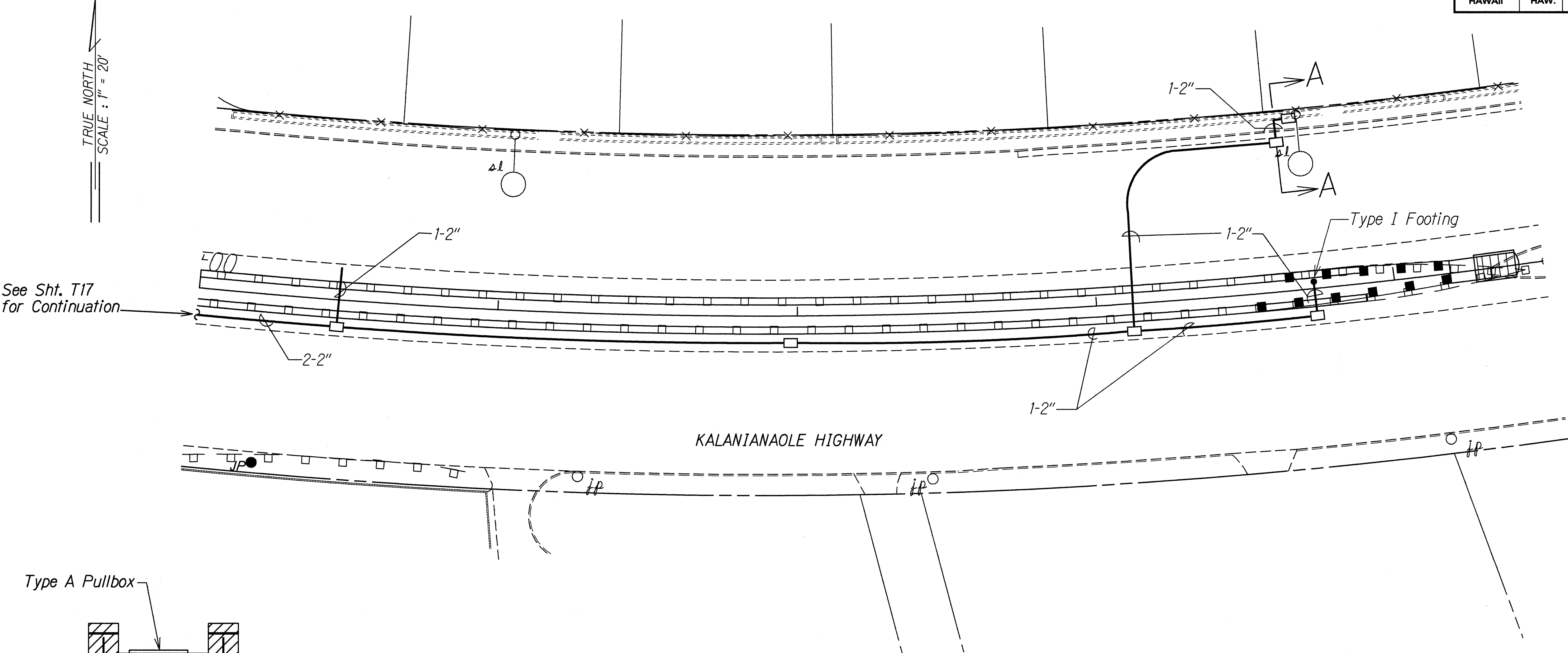
SHEET No. 116 OF 23 SHEETS







| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | NH-072-1(47)       | 2000        | 69        | 91           |



|                |                                  |          |
|----------------|----------------------------------|----------|
| ORIGINAL PLAN  | SURVEY PLOTTED BY                | DATE     |
|                | DRAWN BY <i>M. Takai</i>         | <i>X</i> |
| NOTE BOOK      | TRACED BY                        |          |
| <i>10/2/99</i> | CHECKED BY <i>Steven Yoshida</i> |          |
| <i>N. Oka</i>  | QUANTITIES BY                    |          |
|                | CHECKED BY                       |          |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC SIGNAL PLAN**  
**KALANIANA'OLE HIGHWAY RESURFACING**  
**Ainakoa Avenue to West Hind Drive**  
**Federal Aid Project No. NH-072-1(47)**  
Scale: 1"=20'      Date: June, 1999  
SHEET No. *T18* OF 23 SHEETS

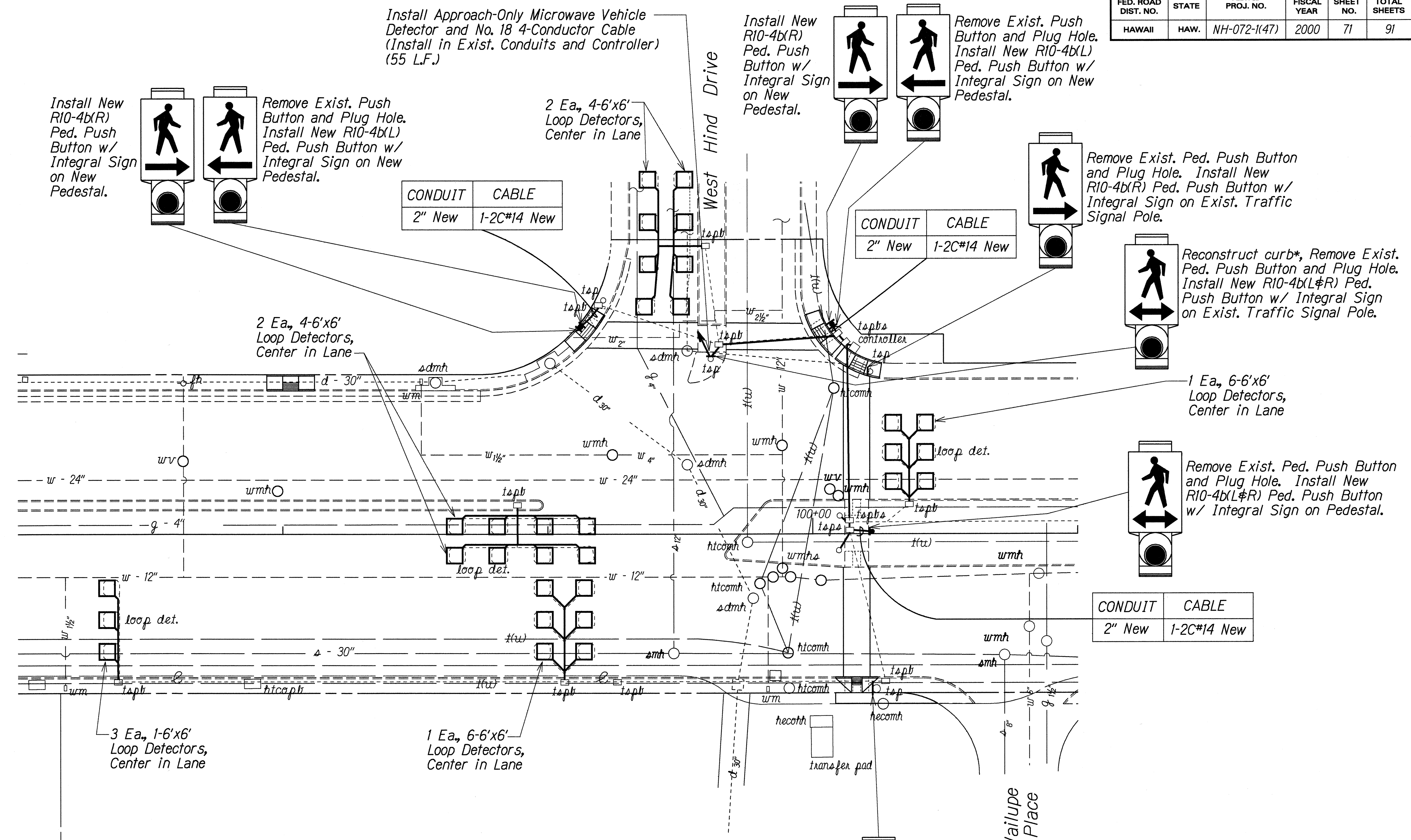






| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | NH-072-1(47)       | 2000        | 71        | 91           |

TRUE NORTH  
SCALE: 1" = 20'



- NOTE:**
1. Curb shall be reconstructed to provide 6" Ped. Push Button Reach. See Curb Ramp Detail "B" on Sheet 14. Curb reconstruction shall be considered incidental to various traffic signal items.
  2. The Contractor shall replace and activate all 4-6'x6' Loop Detectors shown in the West Hind Drive Left turn lanes within 24 hours after Loop removal due to Cold planing operations. Once new Loop Detectors are installed, the Contractor shall take all precaution to not damage loops. Damage of new loops due to the Contractor's operations shall be restored at no cost to the State.

|                         |      |
|-------------------------|------|
| SURVEY PLOTTED BY       | DATE |
| DRAWN BY M. Takai       | X    |
| TRACED BY               |      |
| NOTED BY Steven Yoshida |      |
| QUANTITIES BY           |      |
| CHECKED BY              |      |
| ORIGINAL PLAN           |      |
| NOTE BOOK               |      |
| 142 May                 |      |
| N. Chait                |      |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TRAFFIC SIGNAL PLAN**

KALANIANA'OLE HIGHWAY RESURFACING  
Ainakoa Avenue to West Hind Drive  
Federal Aid Project No. NH-072-1(47)

Scale: 1"=20' Date: June, 1999

SHEET No. T20 OF 23 SHEETS