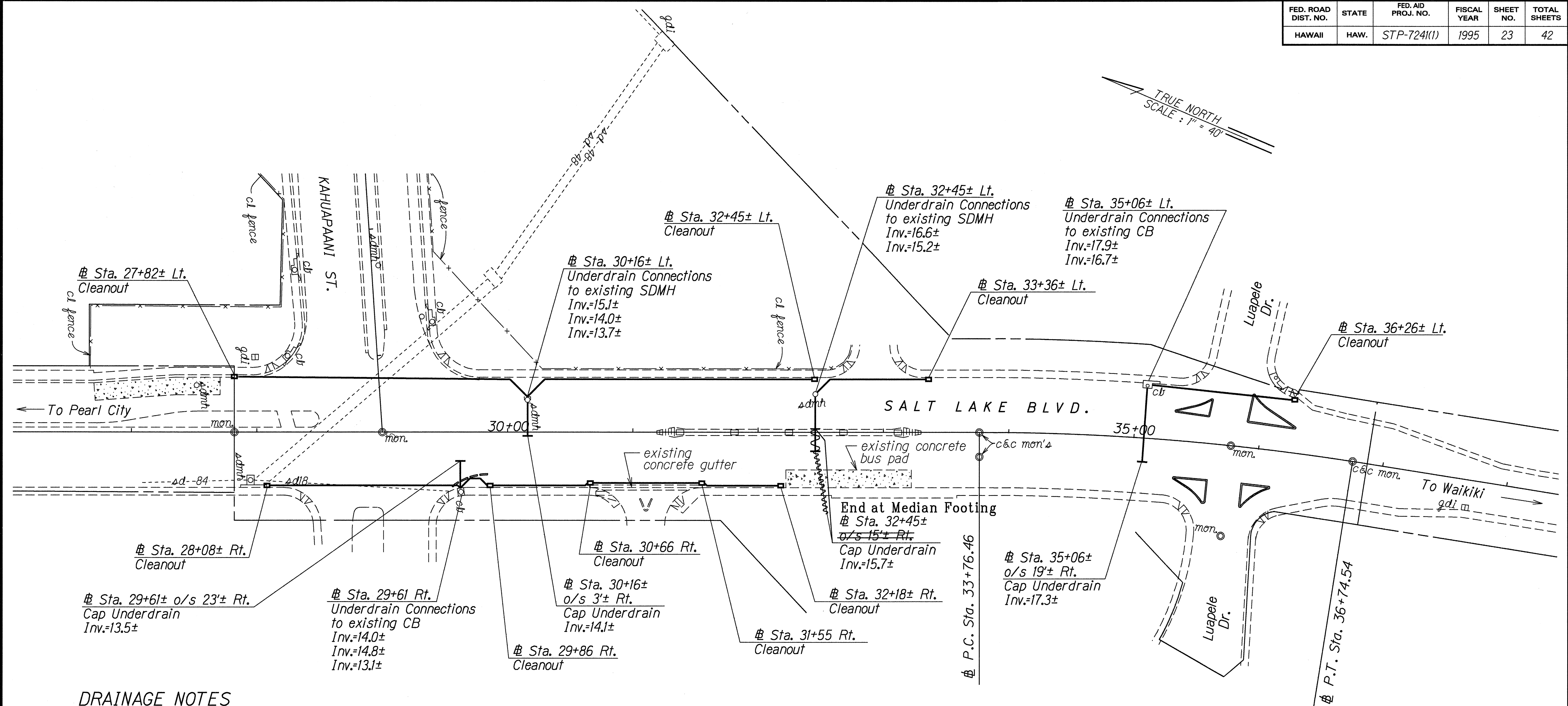


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-7241(1)        | 1995        | 23        | 42           |



### DRAINAGE NOTES

- Existing drainage systems will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow. The cost shall be incidental to the various Contract Items.
- The approximate locations of existing culverts and utilities are shown on Plan Shts. No. 21 & 22. The Contractor shall verify the locations in the field. Any existing culverts and utilities damaged during construction shall be repaired or replaced by the Contractor at his own expense.
- Nonperforated pipe section at Sta. 35+06± Lt. shall be 4'-0".

Sta. 27+82± Lt. to Sta. 36+26± Lt.  
Sta. 28+08± Rt. to Sta. 36+22± Rt.  
Install: Underdrain pipes and cleanouts  
For Details see Sht. Nos. H3 & H4

#### Estimated Quantities

|                                                      |   |                |
|------------------------------------------------------|---|----------------|
| Underdrain Connection to Existing Drainage Structure | = | L.S. (10 each) |
| 6" Perforated Underdrain Pipe                        | = | 1167 L.F.      |
| 6" Nonperforated Underdrain Pipe                     | = | 86 L.F.        |
| Cleanout                                             | = | 9 Ea.          |
| Permeable Separator                                  | = | 8800 S.Y.      |

#### LEGEND FOR AS-BUILT POSTINGS

|         |                                     |
|---------|-------------------------------------|
|         | Squiggly line for as-built deletion |
|         | Double line for as-built deletion   |
| Roadway | Text for as-built posting           |

6/13/95 Transverse underdrains added to system

DATE REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

### DRAINAGE PLAN

KAHUAPAANI ST. RESURFACING  
Ulune St. to Salt Lake Blvd.  
Fed. Aid Project No. STP-7241(1)

Scale: 1"=40' Date: June 1995

SHEET No. HI OF 4 SHEETS

"AS-BUILT"

ADD. 23

|               |         |
|---------------|---------|
| ORIGINAL PLAN | DATE    |
| NOTED BY      | 7/18/95 |
| DESIGNED BY   |         |
| QUANTITIES BY |         |
| CHECKED BY    |         |