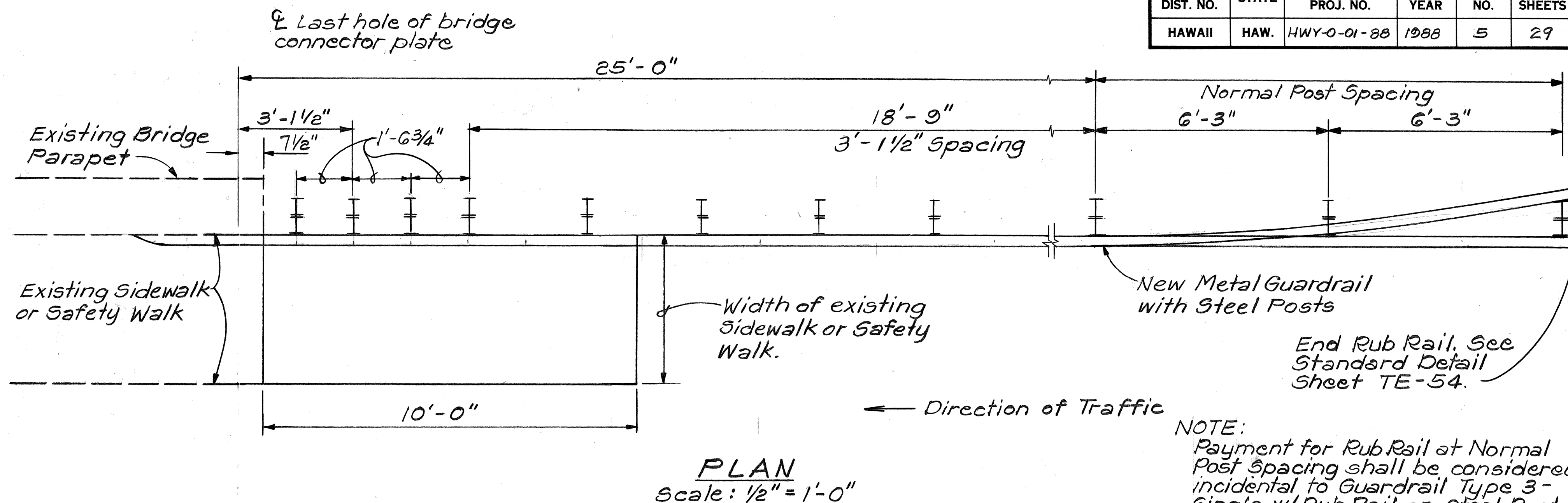


| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII | HAW. | HWY-0-01-88 | 1988 | 5 | 29 |

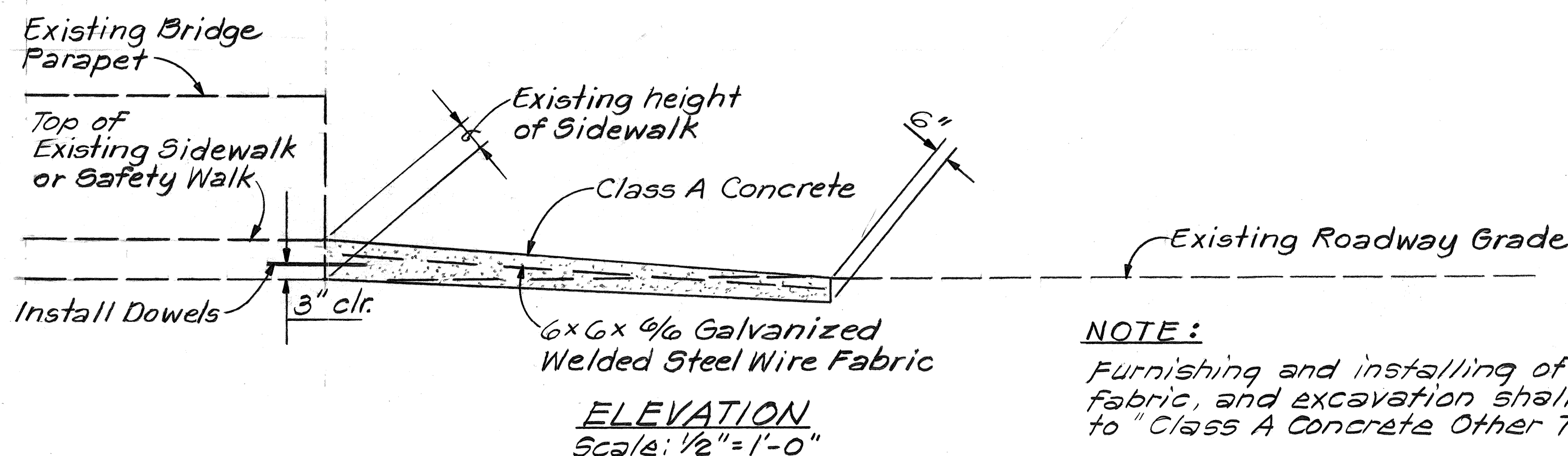
GENERAL NOTES

- The scope of work for this project consists of upgrading existing guardrails, installing new metal guardrails, and paving of shoulders.
- The various locations of the project are as follows :
 - Kamehameha Highway, Route 99
 - Farrington Highway, Route 93
 - Nimitz Highway, Route 92
 - Halawa Heights Road, Route 7241
 - Kahakili Highway, Route 83
- The Contractor's attention is directed to Subsection 107.13- "Public Convenience and Safety" and Subsection 107.14- "Barricades and Warning Signs" of the Special Provisions pertaining to peak hours of traffic, submitting a traffic control plan and other requirements necessary for providing safe movement of public traffic through the project areas.
- All guardrail layouts shall be done by the Contractor but shall be approved by the Engineer before construction.
- The existence and location of underground utilities and structures as shown on the plans are from the latest available data but is not guaranteed as to the accuracy or the encountering of other obstacles during the course of the work. The Contractor shall be responsible and shall pay for all damages to existing utilities.
- Furnishing and installing of construction signs shall be considered incidental to the various contract items.
- Install pavement striping at edge of pavement of new paved shoulders.

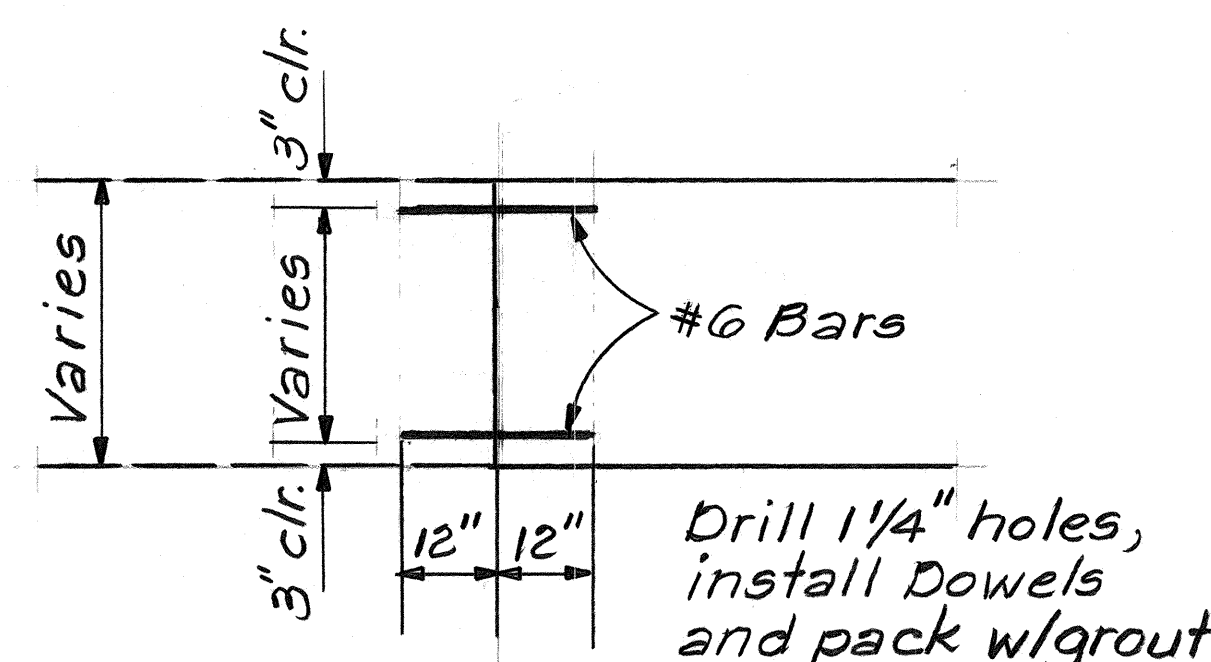
| SIDEWALK RAMPDOWN AT STRUCTURES SCHEDULE | | |
|--|------------------------------|----------------------------------|
| LOCATION (APPROACH ONLY) | APPROX. SIDEWALK WIDTH | CLASS A CONCRETE (Cu. Ft.) |
| Halawa Hts. Bridge-(4 Sides) | 1' | 30 |
| Kapalama Canal Bridge-O.B.Rt.Shldr. | 6' | 45 |
| Halawa Stream Bridge-O.B.Rt.Shldr. | 4' | 30 |
| Kalauso Stream Bridge-I.B. Median | 3' | 22.5 |
| Kalauso Springs Bridge-I.B. Median | 3' | 22.5 |
| Waimalu Stream Bridge-I.B. Median | 3' | 22.5 |
| Waiawa Stream Bridge-I.B. Lt. Shldr. | 2' | 15 |
| Waiawa Stream Bridge-I.B. Rt. Shldr. | 4' | 30 |
| Waiawa Overpass-I.B. Rt. Shoulder | 4' | 30 |
| Cane Haul Rd. Overpass-O.B. Median | 2' | 15 |
| Cane Haul Rd. Overpass-I.B. Median | 2' | 15 |
| Cane Haul Rd. Overpass-I.B. Rt. Shldr. | 4' | 30 |
| TOTAL CLASS A CONCRETE | | 307.5 |



NOTE:
Payment for Rub Rail at Normal Post Spacing shall be considered incidental to Guardrail Type 3-Single w/Rub Rail on Steel Post.



NOTE:
Furnishing and installing of dowels and welded wire fabric, and excavation shall be considered incidental to "Class A Concrete Other Than in Bridges."



TYPICAL DETAIL
CONCRETE RAMP DOWN AT BRIDGE
SIDEWALK OR SAFETY WALK
Scale: 1/2" = 1'-0"

| STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION | |
|--|--|
| TYPICAL CONCRETE RAMP DOWN DETAILS AND GENERAL NOTES | |
| GUARDRAIL & SHOULDER IMPROVEMENTS AT VARIOUS LOCATIONS ON OAHU PROJECT NO. HWY-0-01-88 | |
| Scale: As Noted Date: Nov., 1987 | |
| SHEET No. 1 OF 1 SHEETS | |

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