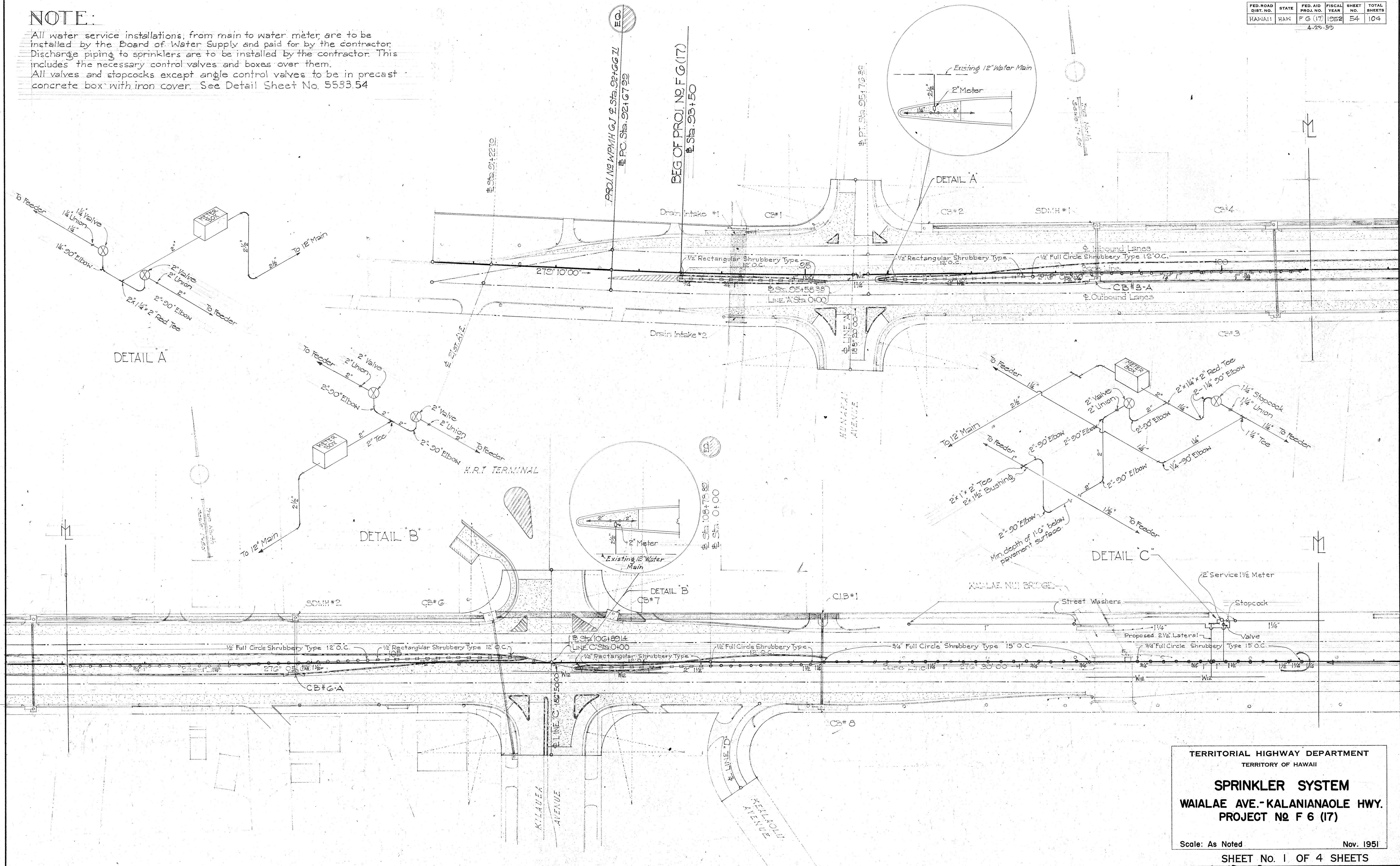


# NOTE:

All water service installations, from main to water meter are to be installed by the Board of Water Supply and paid for by the contractor. Discharge piping to sprinklers are to be installed by the contractor. This includes the necessary control valves and boxes over them. All valves and stopcocks except angle control valves to be in precast concrete box with iron cover. See Detail Sheet No. 5533.54

| FED. ROAD DIST. NO. | STATE | FED. AID YEAR | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|---------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F G (17)      | 1952        | 54        | 104          |

4-12-50

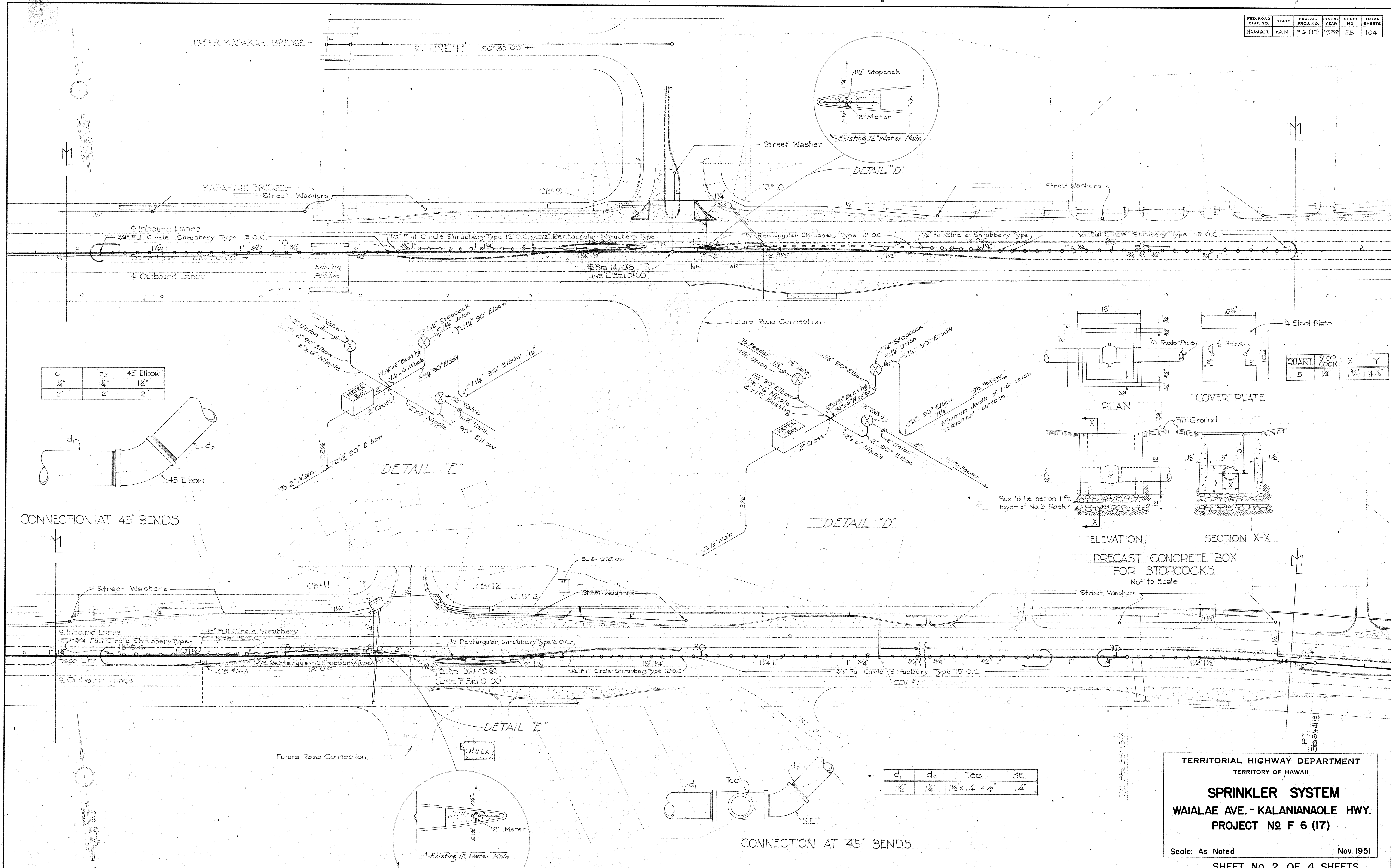


|            |             |               |
|------------|-------------|---------------|
| DATE       | DESIGNED BY | CHECKED BY    |
| PLANNED BY | TRACED BY   | QUANTITIES BY |
| NOTE BOOK  | NO. 1       | CHECKED BY    |
| No.        |             |               |

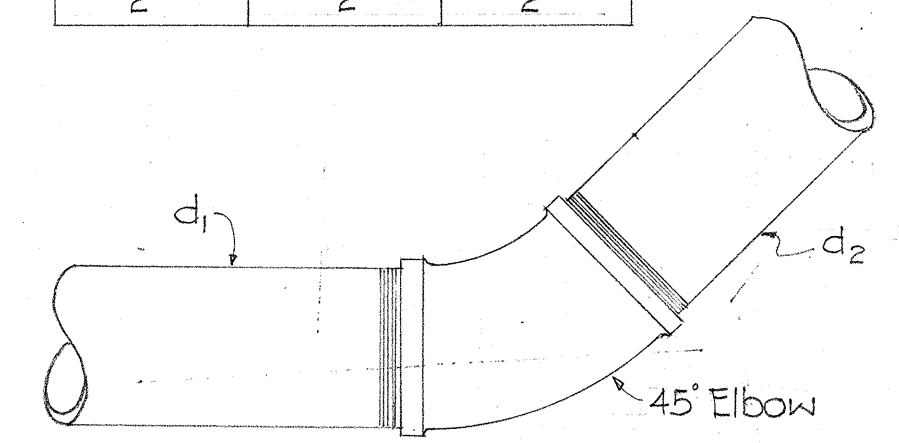
TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
**SPRINKLER SYSTEM**  
WAIALAE AVE.-KALANIANA'OLE HWY.  
PROJECT NO F 6 (17)

Scale: As Noted Nov. 1951  
SHEET NO. 1 OF 4 SHEETS

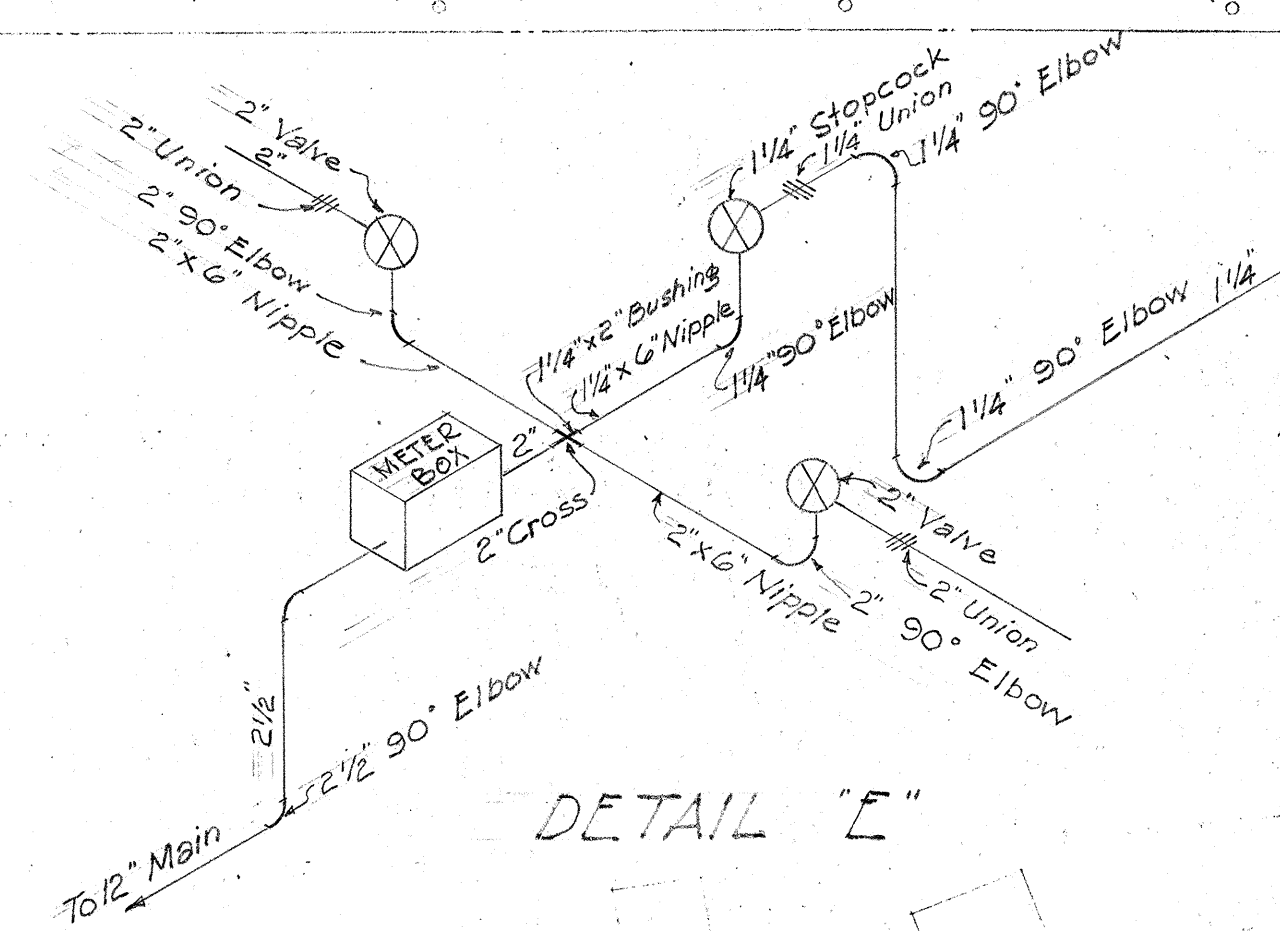
5533.53



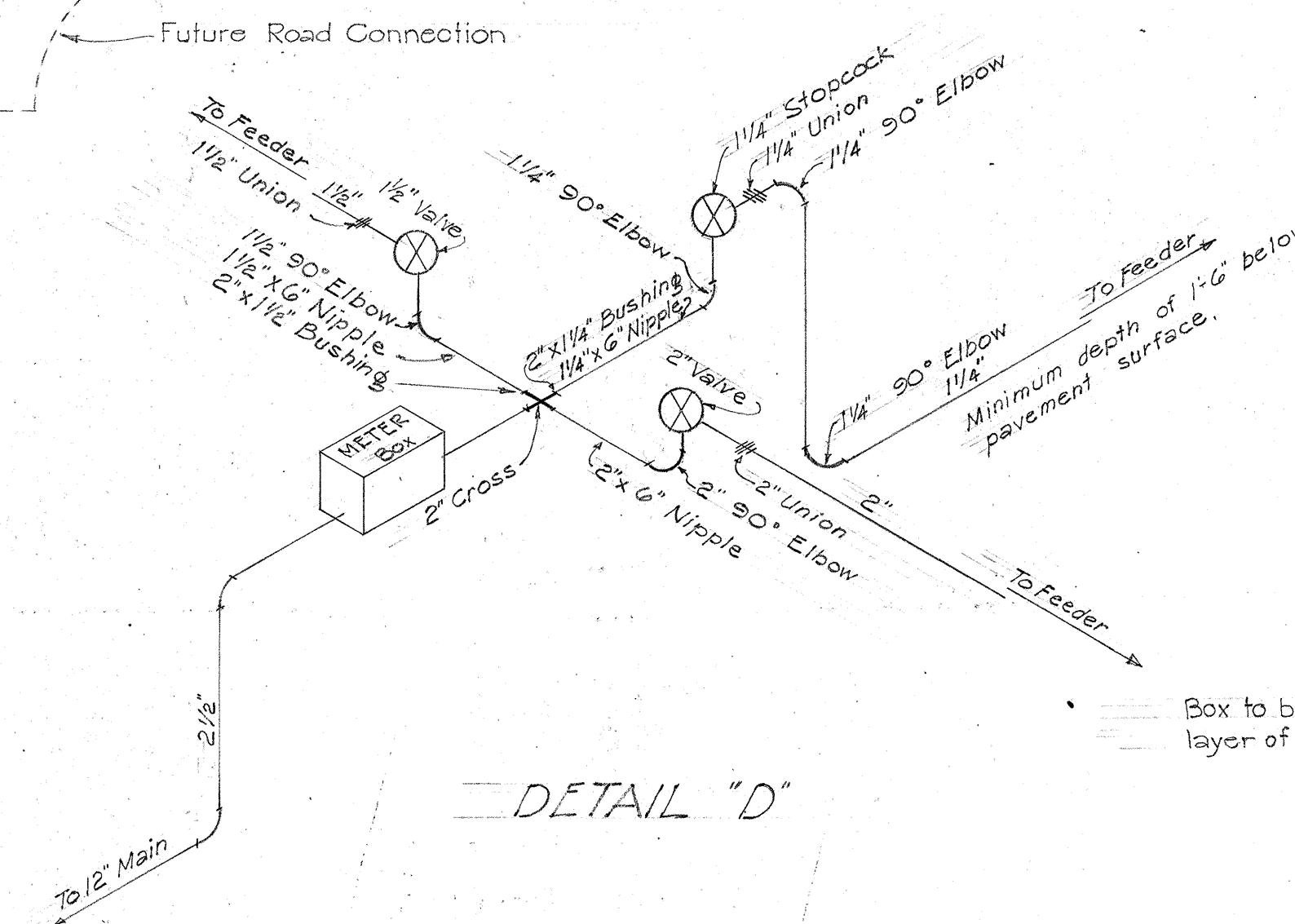
|                |                |           |
|----------------|----------------|-----------|
| d <sub>1</sub> | d <sub>2</sub> | 45° Elbow |
| 1 1/2"         | 1 1/4"         | 1 1/4"    |
| 2"             | 2"             | 2"        |



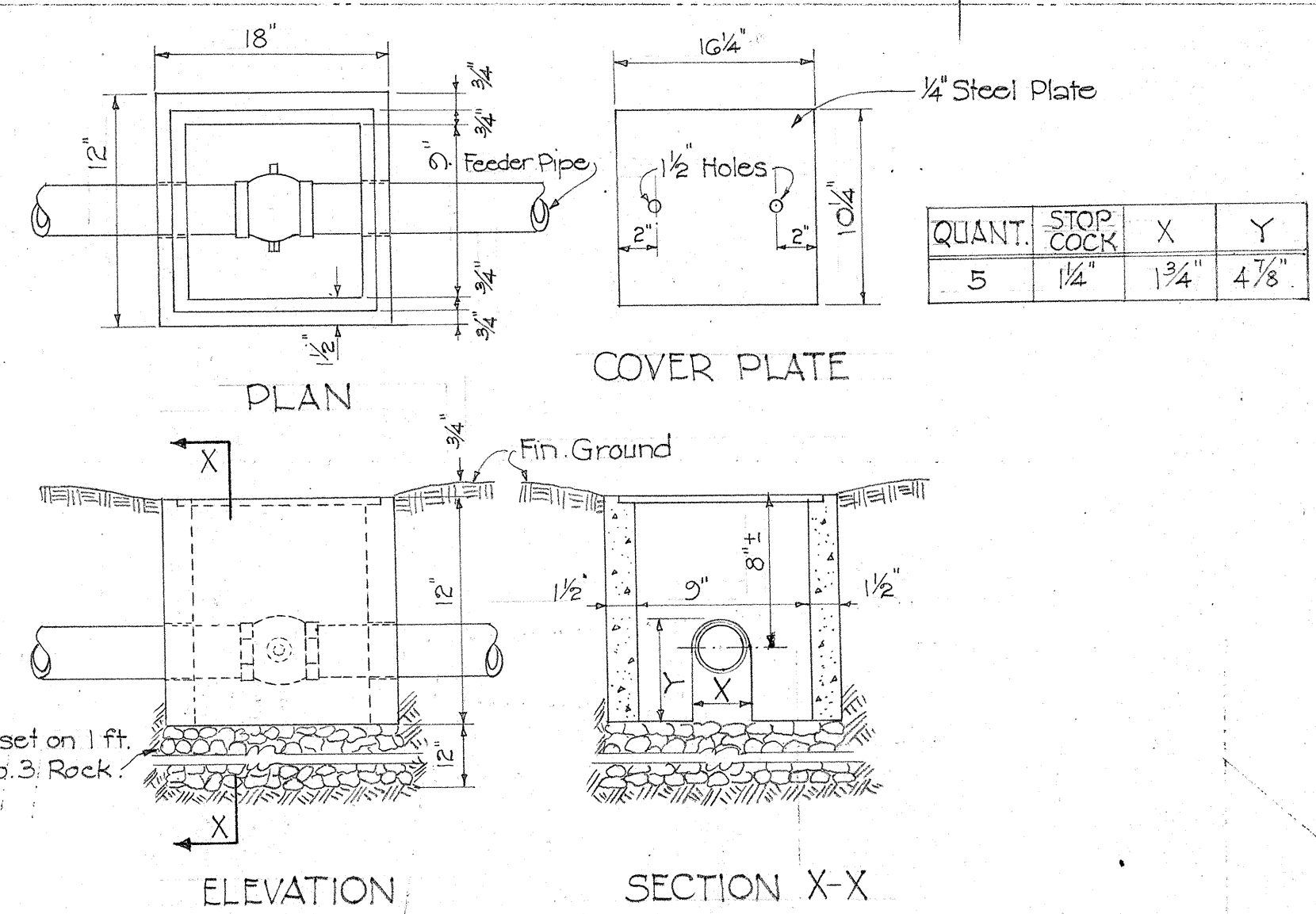
CONNECTION AT 45° BENDS



DETAIL 'E'



DETAIL 'D'

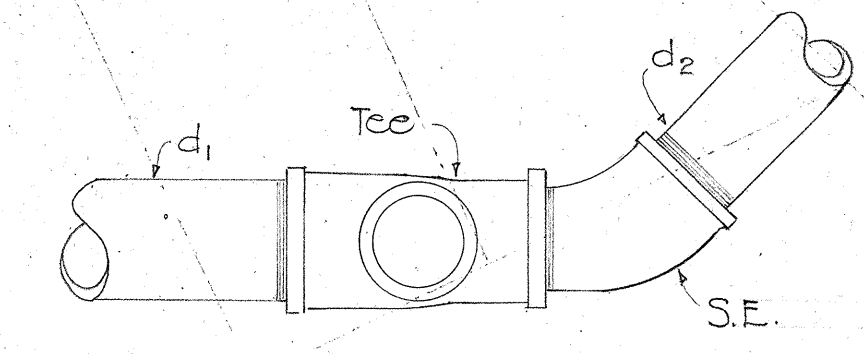


ELEVATION

SECTION X-X

PRECAST CONCRETE BOX FOR STOPCOCKS  
Not to Scale

|                |                |                        |        |
|----------------|----------------|------------------------|--------|
| d <sub>1</sub> | d <sub>2</sub> | Tee                    | SE     |
| 1 1/2"         | 1 1/4"         | 1 1/2" x 1 1/4" x 1/2" | 1 1/4" |



CONNECTION AT 45° BENDS

SURVEY PLOTTED BY: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 TRACED BY: \_\_\_\_\_  
 QUANTITIES BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 NOTE BOOK No. \_\_\_\_\_

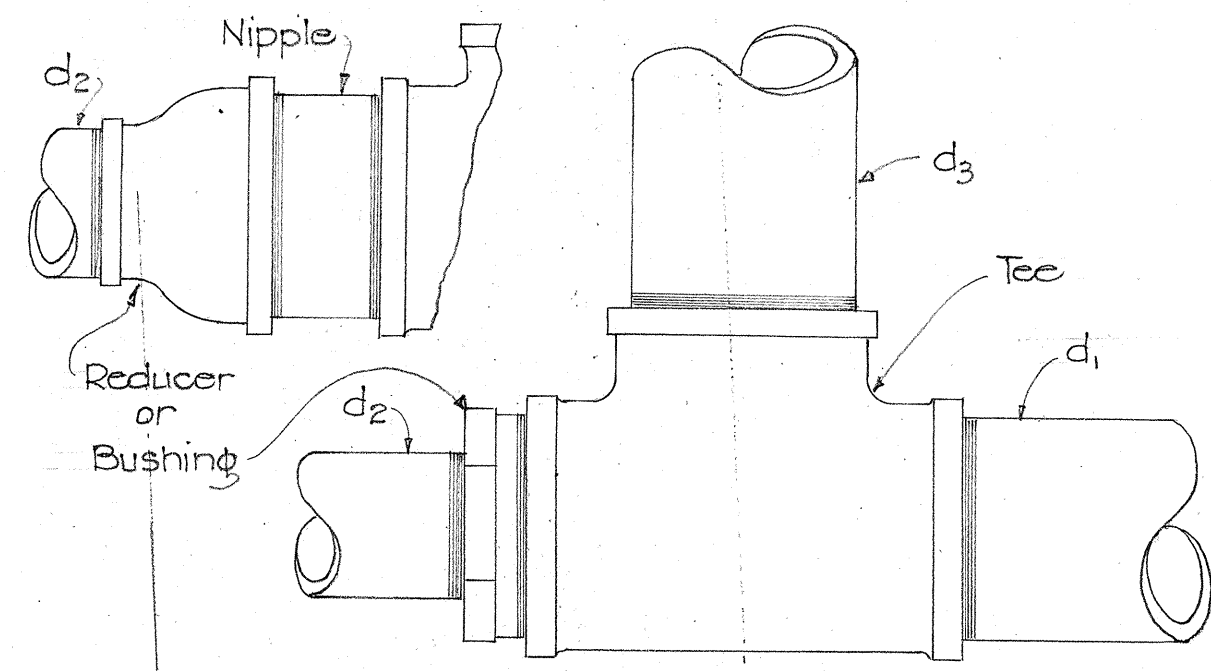
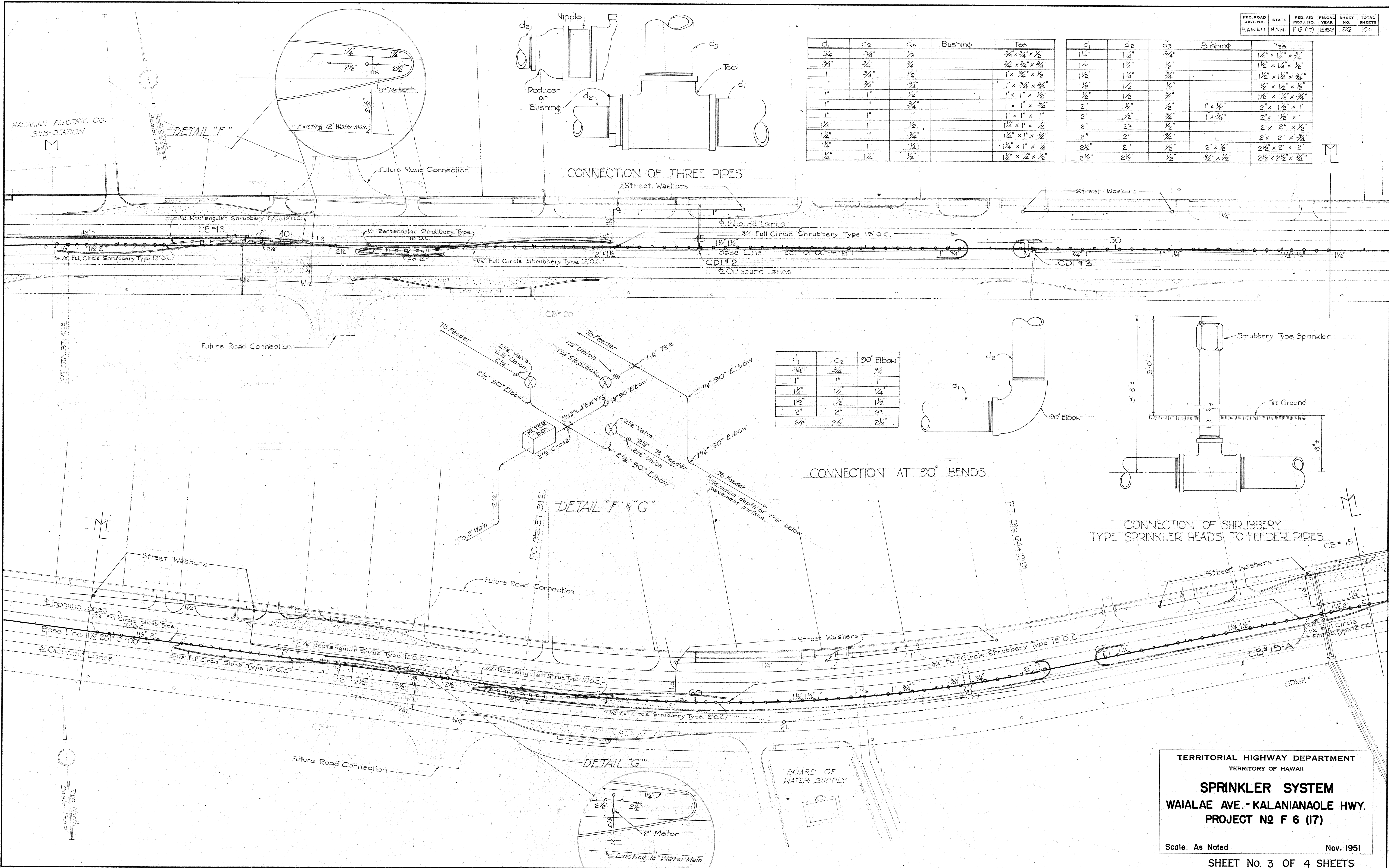
TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

**SPRINKLER SYSTEM**  
**WAIALAE AVE. - KALANIANA'OLE HWY.**  
**PROJECT NO F 6 (17)**

Scale: As Noted Nov. 1951

SHEET NO. 2 OF 4 SHEETS

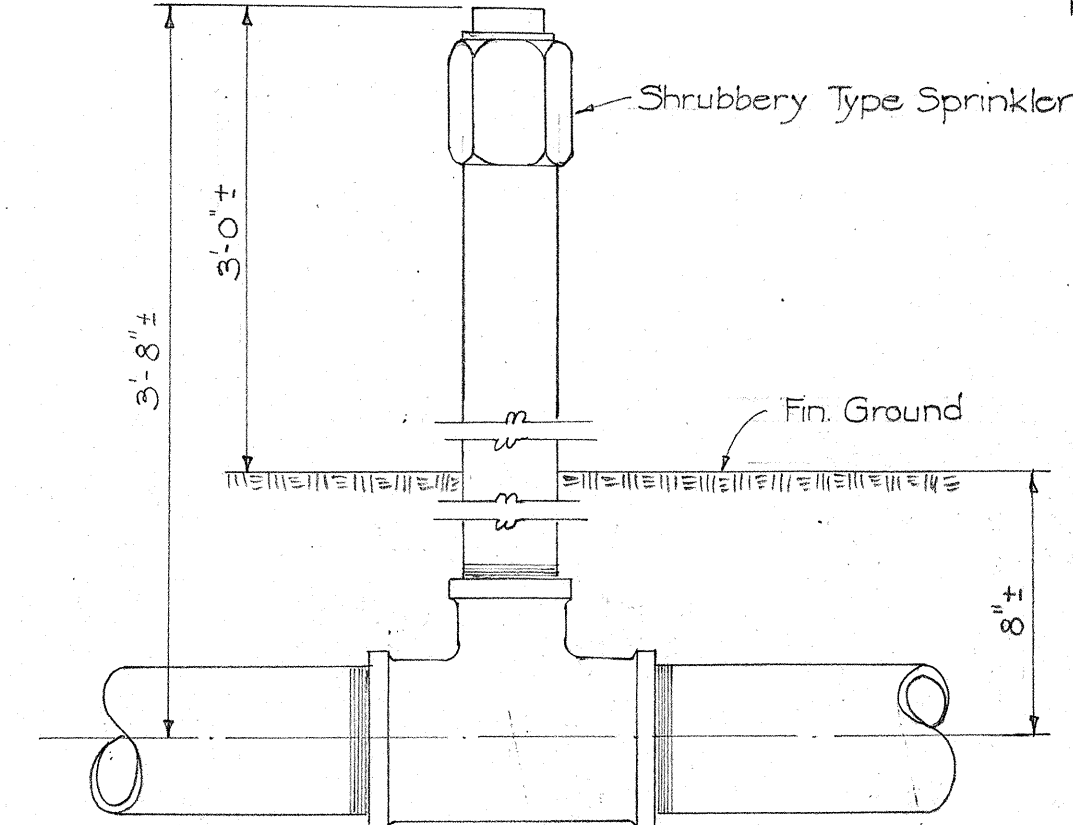
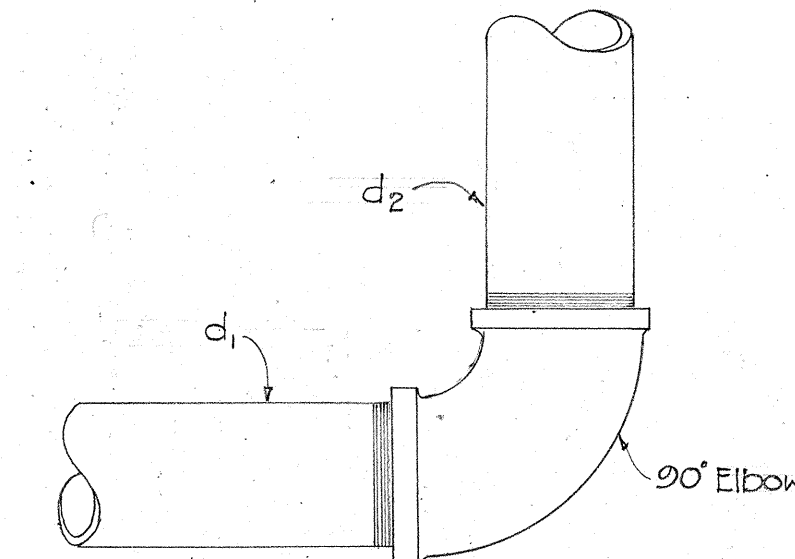
5533.54



| d <sub>1</sub> | d <sub>2</sub> | d <sub>3</sub> | Bushing | Tee                    |
|----------------|----------------|----------------|---------|------------------------|
| 3/4"           | 3/4"           | 1/2"           |         | 3/4" x 3/4" x 1/2"     |
| 3/4"           | 3/4"           | 3/4"           |         | 3/4" x 3/4" x 3/4"     |
| 1"             | 3/4"           | 1/2"           |         | 1" x 3/4" x 1/2"       |
| 1"             | 3/4"           | 3/4"           |         | 1" x 3/4" x 3/4"       |
| 1"             | 1"             | 1/2"           |         | 1" x 1" x 1/2"         |
| 1"             | 1"             | 3/4"           |         | 1" x 1" x 3/4"         |
| 1"             | 1"             | 1"             |         | 1" x 1" x 1"           |
| 1 1/4"         | 1"             | 1/2"           |         | 1 1/4" x 1" x 1/2"     |
| 1 1/4"         | 1"             | 3/4"           |         | 1 1/4" x 1" x 3/4"     |
| 1 1/4"         | 1"             | 1 1/4"         |         | 1 1/4" x 1" x 1 1/4"   |
| 1 1/4"         | 1 1/2"         | 1/2"           |         | 1 1/4" x 1 1/2" x 1/2" |

| d <sub>1</sub> | d <sub>2</sub> | d <sub>3</sub> | Bushing     | Tee                      |
|----------------|----------------|----------------|-------------|--------------------------|
| 1 1/4"         | 1 1/2"         | 3/4"           |             | 1 1/4" x 1 1/2" x 3/4"   |
| 1 1/2"         | 1 1/2"         | 1/2"           |             | 1 1/2" x 1 1/2" x 1/2"   |
| 1 1/2"         | 1 1/2"         | 3/4"           |             | 1 1/2" x 1 1/2" x 3/4"   |
| 1 1/2"         | 1 1/2"         | 1 1/2"         |             | 1 1/2" x 1 1/2" x 1 1/2" |
| 2"             | 1 1/2"         | 1/2"           | 1" x 1/2"   | 2" x 1 1/2" x 1/2"       |
| 2"             | 1 1/2"         | 3/4"           | 1" x 3/4"   | 2" x 1 1/2" x 1"         |
| 2"             | 2"             | 1/2"           |             | 2" x 2" x 1/2"           |
| 2"             | 2"             | 3/4"           |             | 2" x 2" x 3/4"           |
| 2 1/2"         | 2"             | 1/2"           | 2" x 1/2"   | 2 1/2" x 2" x 1/2"       |
| 2 1/2"         | 2 1/2"         | 1/2"           | 3/4" x 1/2" | 2 1/2" x 2 1/2" x 1/2"   |

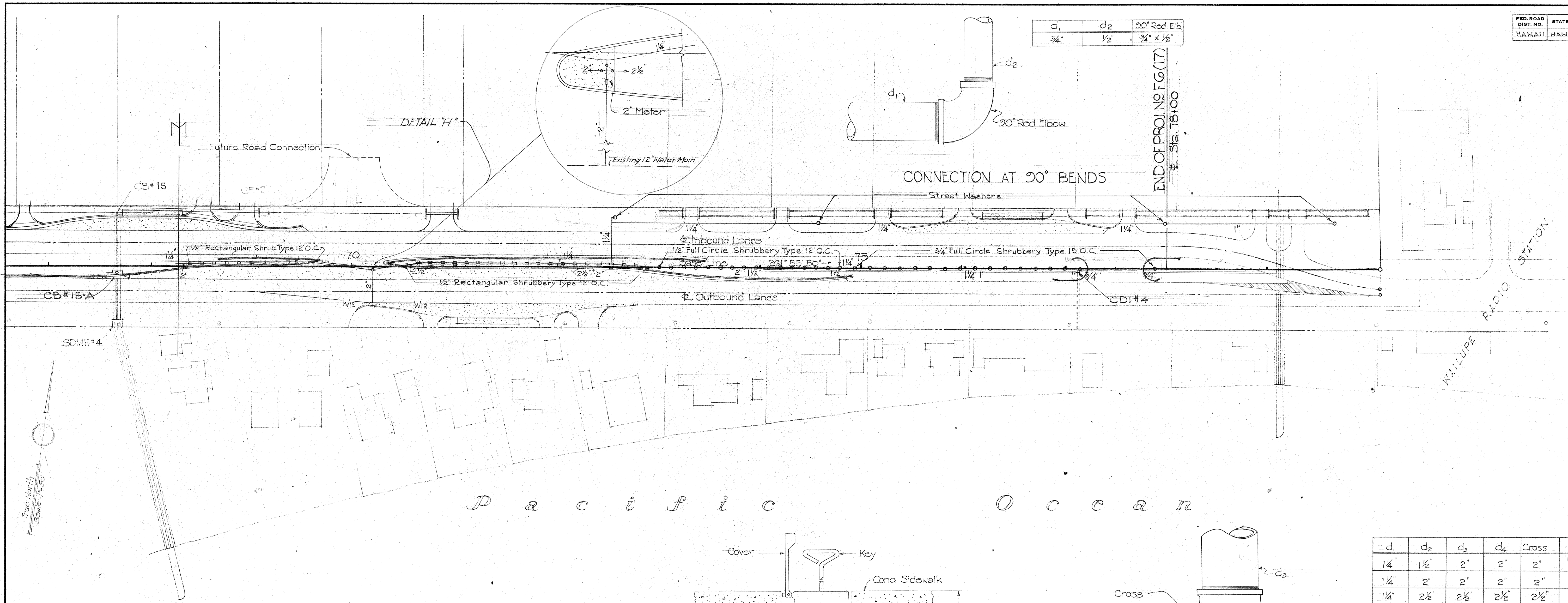
| d <sub>1</sub> | d <sub>2</sub> | 90° Elbow |
|----------------|----------------|-----------|
| 3/4"           | 3/4"           | 3/4"      |
| 1"             | 1"             | 1"        |
| 1 1/4"         | 1 1/4"         | 1 1/4"    |
| 1 1/2"         | 1 1/2"         | 1 1/2"    |
| 2"             | 2"             | 2"        |
| 2 1/2"         | 2 1/2"         | 2 1/2"    |



DATE  
SURVEY PLOTTED BY  
PLAN  
DRAWN BY  
TRACED BY  
NOTES  
QUANTITIES CHECKED BY  
CHECKED BY

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
**SPRINKLER SYSTEM**  
WAIALAE AVE.- KALANIANA'OLE HWY.  
PROJECT NO F 6 (17)  
Scale: As Noted  
Nov. 1951  
SHEET NO. 3 OF 4 SHEETS

5533.55



| d <sub>1</sub> | d <sub>2</sub> | 90° Red Elb |
|----------------|----------------|-------------|
| 3/4"           | 1/2"           | 3/4" x 1/2" |

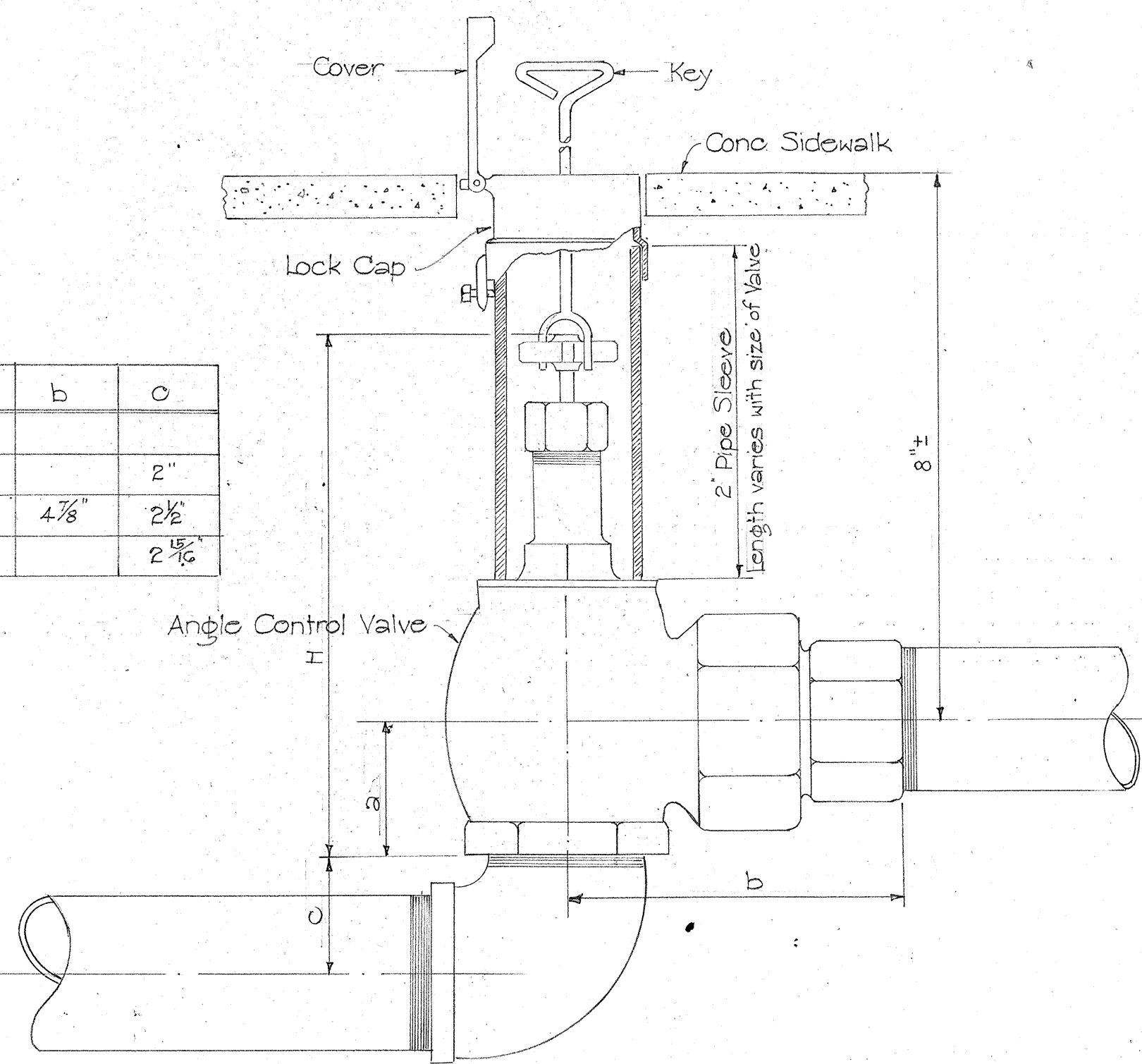
CONNECTION AT 90° BENDS

END OF PROJ. NO. FG (17)  
Sta. 78+00

WAILUPE RADIO STATION

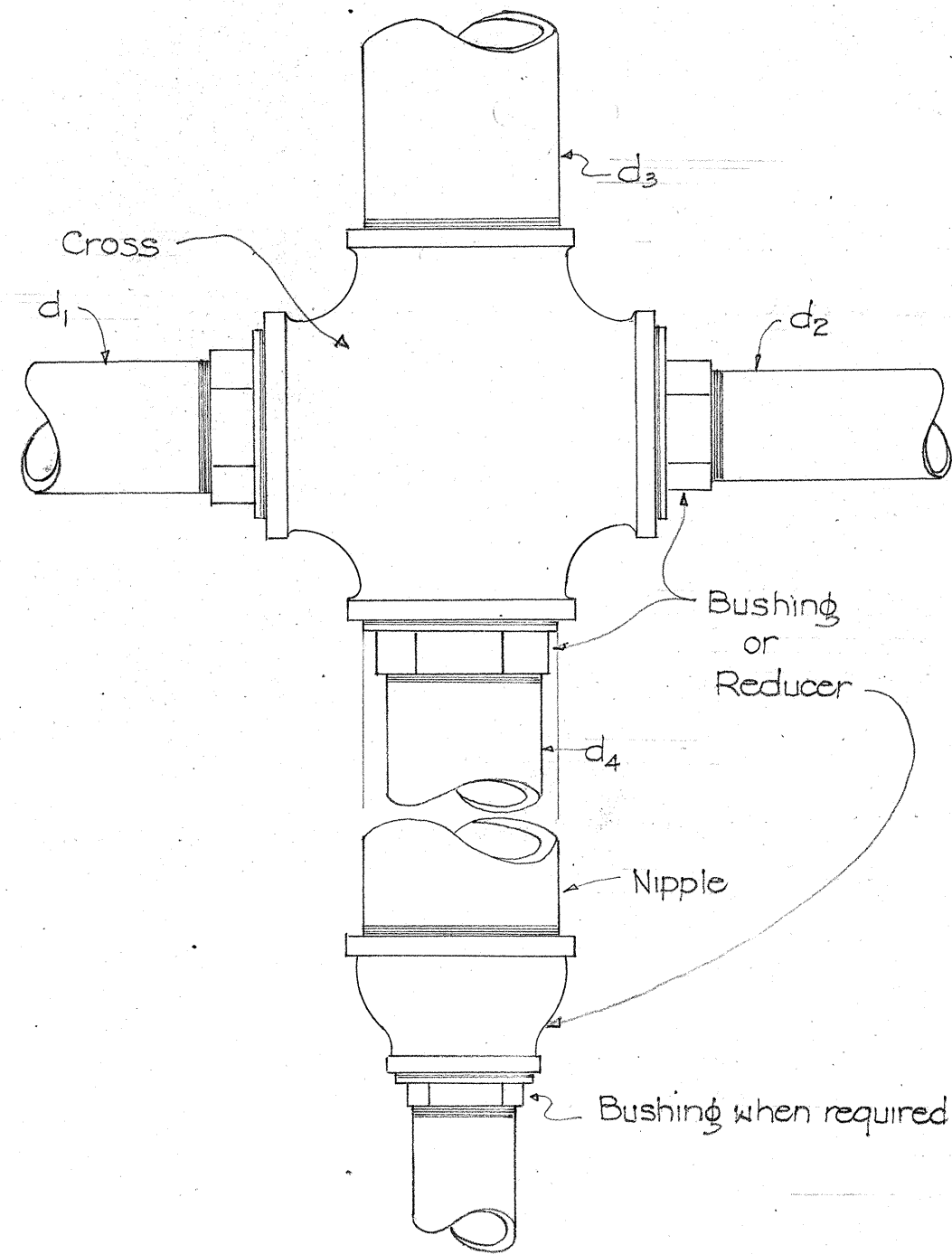
P a c i f i c O c e a n

| Valve Size | H      | a      | b      | c      |
|------------|--------|--------|--------|--------|
| 1 1/2"     |        |        |        |        |
| 2"         | 9 1/2" | 2 3/8" | 4 7/8" | 2 1/2" |
| 2 1/2"     |        |        |        | 2 1/2" |



DETAIL OF ANGLE CONTROL VALVE, HOUSING, AND CAP.

| d <sub>1</sub> | d <sub>2</sub> | d <sub>3</sub> | d <sub>4</sub> | Cross  | Bushing           |
|----------------|----------------|----------------|----------------|--------|-------------------|
| 1 1/4"         | 1 1/2"         | 2"             | 2"             | 2"     | 1- 2 x 1 1/4"     |
| 1 1/4"         | 2"             | 2"             | 2"             | 2"     | 1- 2 x 1 1/4"     |
| 1 1/4"         | 2 1/2"         | 2 1/2"         | 2 1/2"         | 2 1/2" | 1- 2 1/2 x 1 1/4" |



CONNECTION AT CROSSES

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

**SPRINKLER SYSTEM**  
WAILAE AVE.-KALANIANA'OLE HWY.  
PROJECT NO. F 6 (17)

Scale: As Noted Nov. 1951

SHEET No. 4 OF 4 SHEETS

5533.56

4 of 4

SURVEY PLOTTED BY  
DATE  
ORIGINAL PLAN  
NOTE BOOK  
NO.