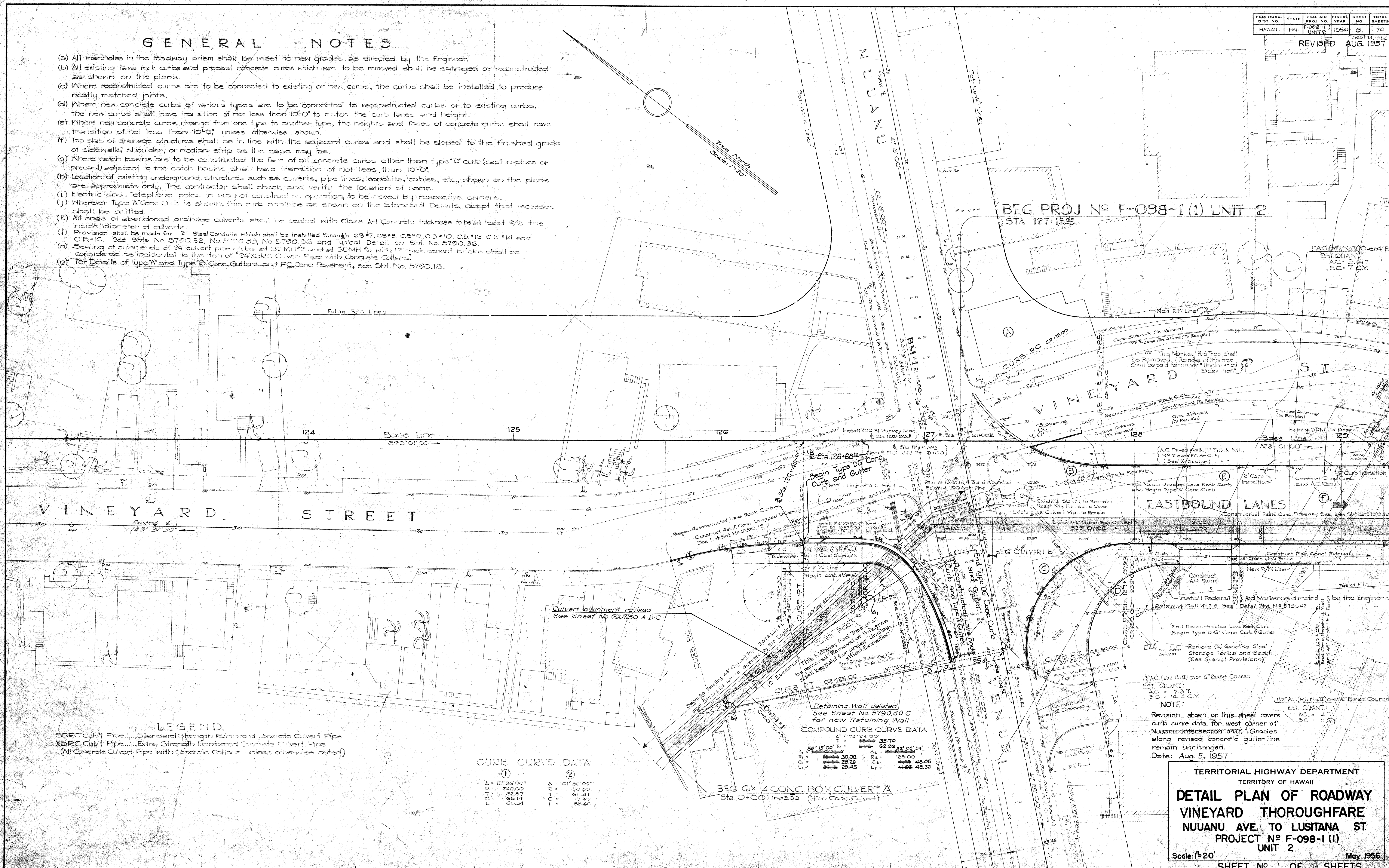






## GENERAL NOTES

- All manholes in the roadway prism shall be reset to new grades as directed by the Engineer.
- All existing lava rock curbs and precast concrete curbs which are to be removed shall be salvaged or reconstructed as shown on the plans.
- Where reconstructed curbs are to be connected to existing or new curbs, the curbs shall be installed to produce neatly matched joints.
- Where new concrete curbs of various types are to be connected to reconstructed curbs or to existing curbs, the new curbs shall have transition of not less than 10'-0" to match the curb faces and height.
- Where new concrete curbs change from one type to another type, the heights and faces of concrete curbs shall have transition of not less than 10'-0" unless otherwise shown.
- Top slab of drainage structures shall be in line with the adjacent curbs and shall be sloped to the finished grade of sidewalk, shoulder, or median strip as the case may be.
- Where catch basins are to be constructed the face of all concrete curbs other than type "D" curb (cast-in-place or precast) adjacent to the catch basins shall have transition of not less than 10'-0".
- Location of existing underground structures such as culverts, pipe lines, conduits, cables, etc., shown on the plans are approximate only. The contractor shall check and verify the location of same.
- Electric and telephone poles, in view of construction operations, to be removed by respective owners.
- Wherever Type "A" Conc. Curb is shown, this curb shall be as shown on the Standard Details, except that recesses shall be omitted.
- All ends of abandoned drainage culverts shall be sealed with Class A-1 Concrete thickness to be at least 3/4 the inside diameter of culvert.
- Provision shall be made for 2" Steel Conduits which shall be installed through CB #7, CB #8, CB #9, CB #10, CB #12, CB #14 and CB #16. See Shts. No. 5790.32, No. 5790.33, No. 5790.34 and Typical Detail on Sht. No. 5790.36.
- Sealing of outfalls of 24" culvert pipe stubs at SDMH #2 and at SDMH #6 with 12" thick cement bricks shall be considered as incidental to the item of "24" X SRC Culvert Pipes with Concrete Collars".
- For Details of Type "A" and Type "B" Conc. Gutters and PG Conc. Pavement, see Sht. No. 5790.18.



## LEGEND

SSRC Culvert Pipe.....Standard Strength Reinforced Concrete Culvert Pipe  
XSRC Culvert Pipe.....Extra Strength Reinforced Concrete Culvert Pipe  
(All Concrete Culvert Pipe with Concrete Collars unless otherwise noted)

## CURVE DATA

| ①             | ②              |
|---------------|----------------|
| A = 18°36'00" | A = 101°30'00" |
| LTR = 340.00  | LTR = 50.00    |
| L = 32.87     | L = 61.31      |
| L = 65.14     | L = 77.40      |
| L = 60.34     | L = 56.66      |

## COMPOUND CURVE DATA

|               |            |
|---------------|------------|
| Δ = 78°24'00" | Δ = 35.70  |
| Δ = 58°00'00" | Δ = 32.82  |
| Δ = 30.00     | Δ = 125.00 |
| Δ = 28.28     | Δ = 46.05  |
| Δ = 29.45     | Δ = 46.32  |

BEG 6" X 4" CONC. BOX CULVERT A  
Sta. 0+00, Inv. 5.00 (For Conc. Culvert)

NOTE:  
Revision shown on this sheet covers curb curve data for west corner of Nuuanu intersection only. Grades along revised concrete gutter line remain unchanged.  
Date: Aug. 5, 1957

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
**DETAIL PLAN OF ROADWAY**  
**VINEYARD THOROUGHFARE**  
NUUANU AVE. TO LUSITANA ST.  
PROJECT NO. F-098-1(1)  
UNIT 2

Scale: 1"=20'

SHEET NO. 1 OF 8 SHEETS

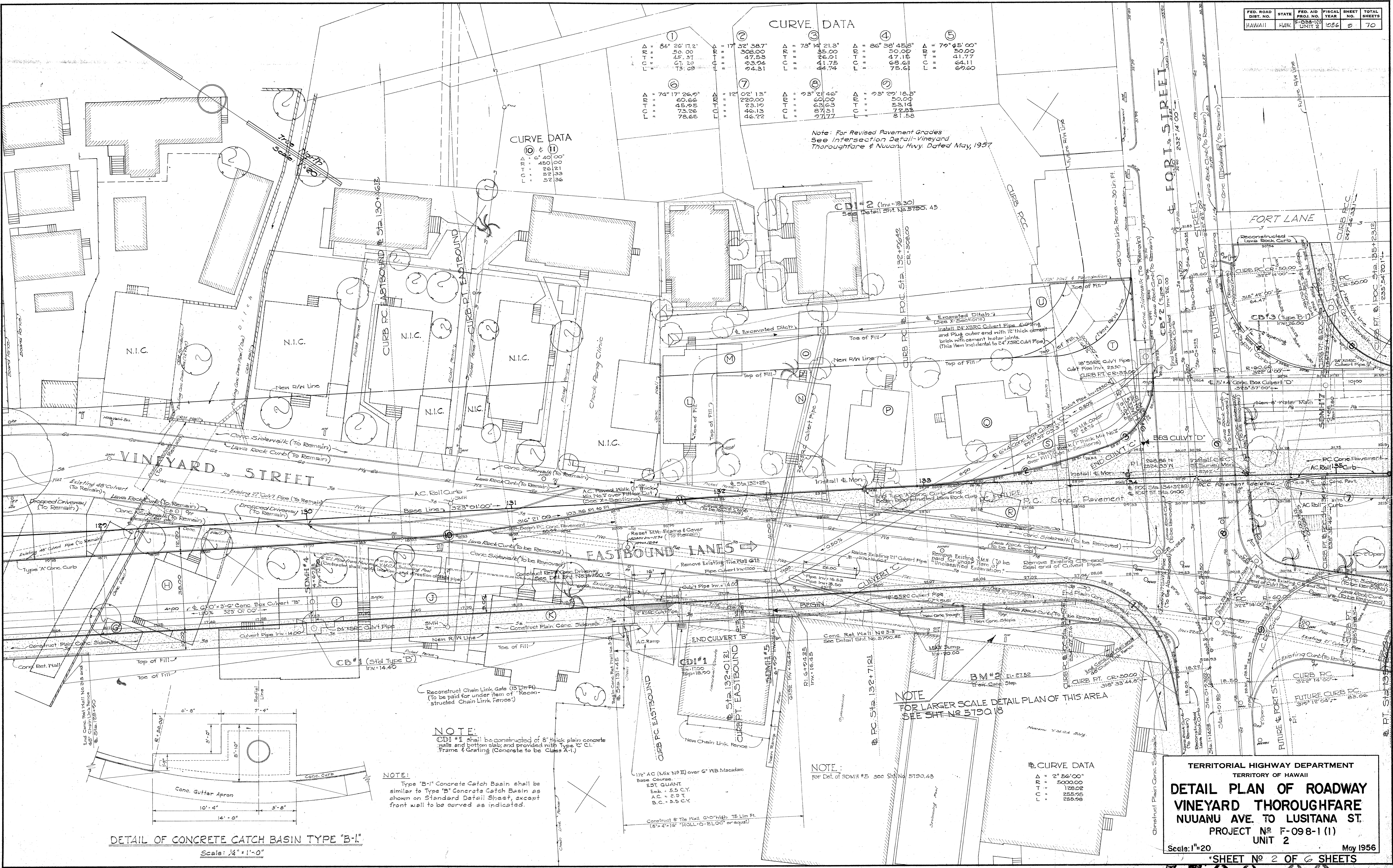
May 1956

This Sheet was Revised and Includes the As-Built Changes.

**5790.08A**



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-098-1(1) UNIT 2  | 1956        | 2         | 70           |



CURVE DATA

|                   |               |                   |                   |                 |
|-------------------|---------------|-------------------|-------------------|-----------------|
| ①                 | ②             | ③                 | ④                 | ⑤               |
| Δ = 84° 26' 17.2" | Δ = 32° 38.7" | Δ = 73° 14' 21.3" | Δ = 86° 38' 45.5" | Δ = 79° 45' 00" |
| LC = 50.00        | LC = 308.00   | LC = 35.00        | LC = 50.00        | LC = 50.00      |
| PT = 47.37        | PT = 47.53    | PT = 26.01        | PT = 47.15        | PT = 41.77      |
| PI = 47.25        | PI = 23.94    | PI = 41.75        | PI = 68.61        | PI = 24.11      |
| PC = 73.69        | PC = 44.51    | PC = 44.74        | PC = 75.61        | PC = 69.60      |

CURVE DATA

|                   |             |
|-------------------|-------------|
| ⑥                 | ⑦           |
| Δ = 74° 17' 26.3" | Δ = 02° 13' |
| LC = 60.66        | LC = 220.00 |
| PT = 45.95        | PT = 23.19  |
| PI = 73.26        | PI = 46.13  |
| PC = 78.65        | PC = 42.72  |

Note: For Revised Pavement Grades See Intersection Detail-Vineyard Thoroughfare & Nuuanu Hwy. Dated May, 1957

DETAIL OF CONCRETE CATCH BASIN TYPE "B-1"

Scale: 1/4" = 1'-0"

NOTE:

CDI #1 shall be constructed of 8" thick plain concrete walls and bottom slab and provided with Type "C" C.I. Frame & Grating (Concrete to be Class A-1).

NOTE:

Type "B-1" Concrete Catch Basin shall be similar to Type "B" Concrete Catch Basin as shown on Standard Detail Sheet, except front wall to be curved as indicated.

NOTE:

For Det. of SDMH #5 see Sht. No. 5790.48

NOTE FOR LARGER SCALE DETAIL PLAN OF THIS AREA SEE SHT. NO. 5790.15

CURVE DATA

|    |            |
|----|------------|
| Δ  | 2° 56' 00" |
| LC | 5000.00    |
| PT | 128.02     |
| PI | 253.95     |
| PC | 253.98     |

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

**DETAIL PLAN OF ROADWAY**  
**VINEYARD THOROUGHFARE**  
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PROJECT NO. F-098-1(1)  
UNIT 2

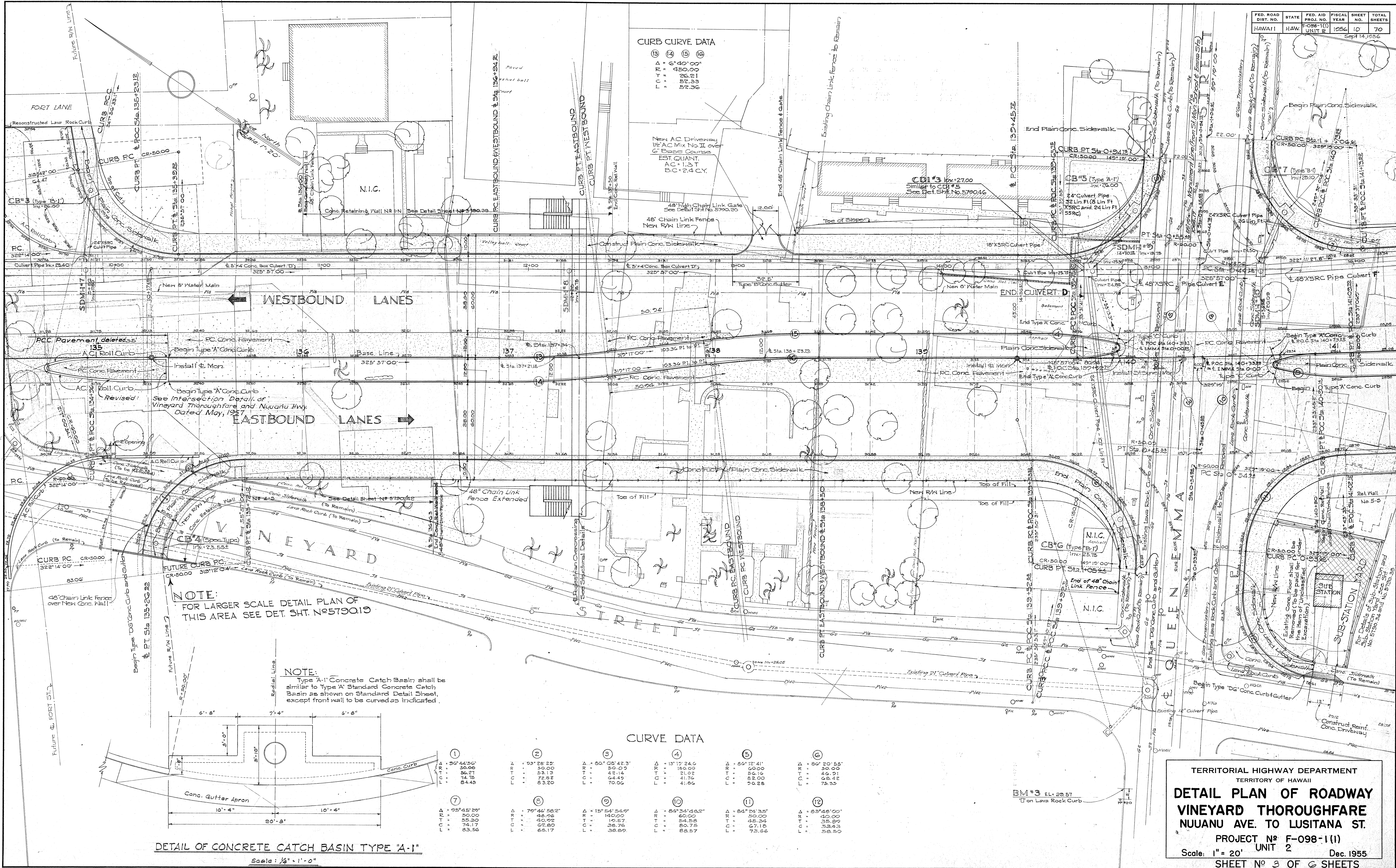
Scale: 1" = 20'  
SHEET NO. 2 OF 6 SHEETS  
May 1956

This Sheet Includes the As-Built Changes.

5790.09



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII 1            | HAW.  | F-098-1(1)         | 1954        | 10        | 70           |



**CURB CURVE DATA**

| STATION   | Δ        | R      | LC    | PC        | PT        |
|-----------|----------|--------|-------|-----------|-----------|
| 135+00.00 | 6°40'00" | 450.00 | 26.81 | 135+00.00 | 135+23.12 |
| 135+23.12 | 52.83    | 52.83  | 52.83 | 135+23.12 | 135+23.12 |

**CURVE DATA**

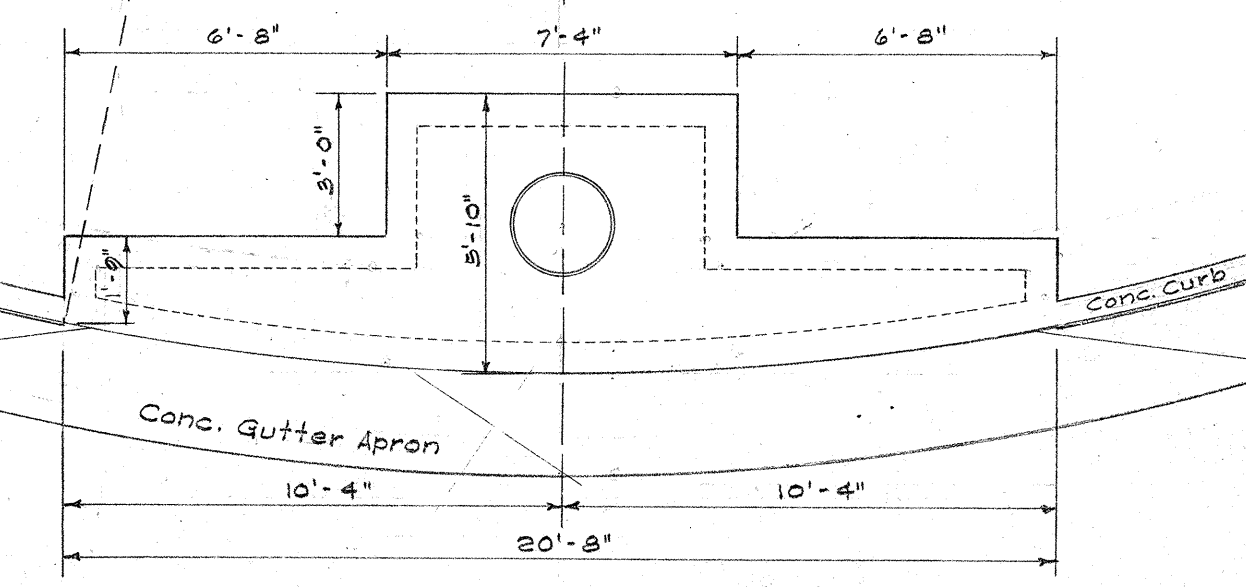
|               |               |                 |                 |               |               |
|---------------|---------------|-----------------|-----------------|---------------|---------------|
| 1             | 2             | 3               | 4               | 5             | 6             |
| Δ = 90°44'36" | Δ = 93°28'25" | Δ = 80°08'42.3" | Δ = 13°17'24.6" | Δ = 86°12'41" | Δ = 86°20'55" |
| R = 50.00     | R = 50.00     | R = 50.00       | R = 50.00       | R = 50.00     | R = 50.00     |
| LC = 36.71    | LC = 53.13    | LC = 42.14      | LC = 21.02      | LC = 50.16    | LC = 46.91    |
| PC = 74.19    | PC = 72.92    | PC = 64.49      | PC = 41.76      | PC = 82.00    | PC = 68.44    |
| PT = 84.43    | PT = 53.20    | PT = 70.06      | PT = 41.06      | PT = 90.28    | PT = 75.35    |

|               |                 |                 |                 |               |               |
|---------------|-----------------|-----------------|-----------------|---------------|---------------|
| 7             | 8               | 9               | 10              | 11            | 12            |
| Δ = 95°45'20" | Δ = 70°46'58.2" | Δ = 15°54'54.9" | Δ = 84°34'43.2" | Δ = 84°23'35" | Δ = 83°48'00" |
| R = 50.00     | R = 50.00       | R = 10.57       | R = 44.58       | R = 50.00     | R = 50.00     |
| LC = 55.30    | LC = 40.92      | LC = 19.57      | LC = 20.75      | LC = 48.34    | LC = 38.89    |
| PC = 74.17    | PC = 62.80      | PC = 38.76      | PC = 67.18      | PC = 73.66    | PC = 58.50    |
| PT = 83.56    | PT = 65.17      | PT = 38.59      | PT = 88.57      | PT = 73.66    | PT = 58.50    |

**NOTE:**  
FOR LARGER SCALE DETAIL PLAN OF THIS AREA SEE DET. SHT. NO. 5790.10

**NOTE:**  
Type 'A-1' Concrete Catch Basin shall be similar to Type 'A' Standard Concrete Catch Basin as shown on Standard Detail Sheet, except front wall to be curved as indicated.



**DETAIL OF CONCRETE CATCH BASIN TYPE 'A-1'**

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

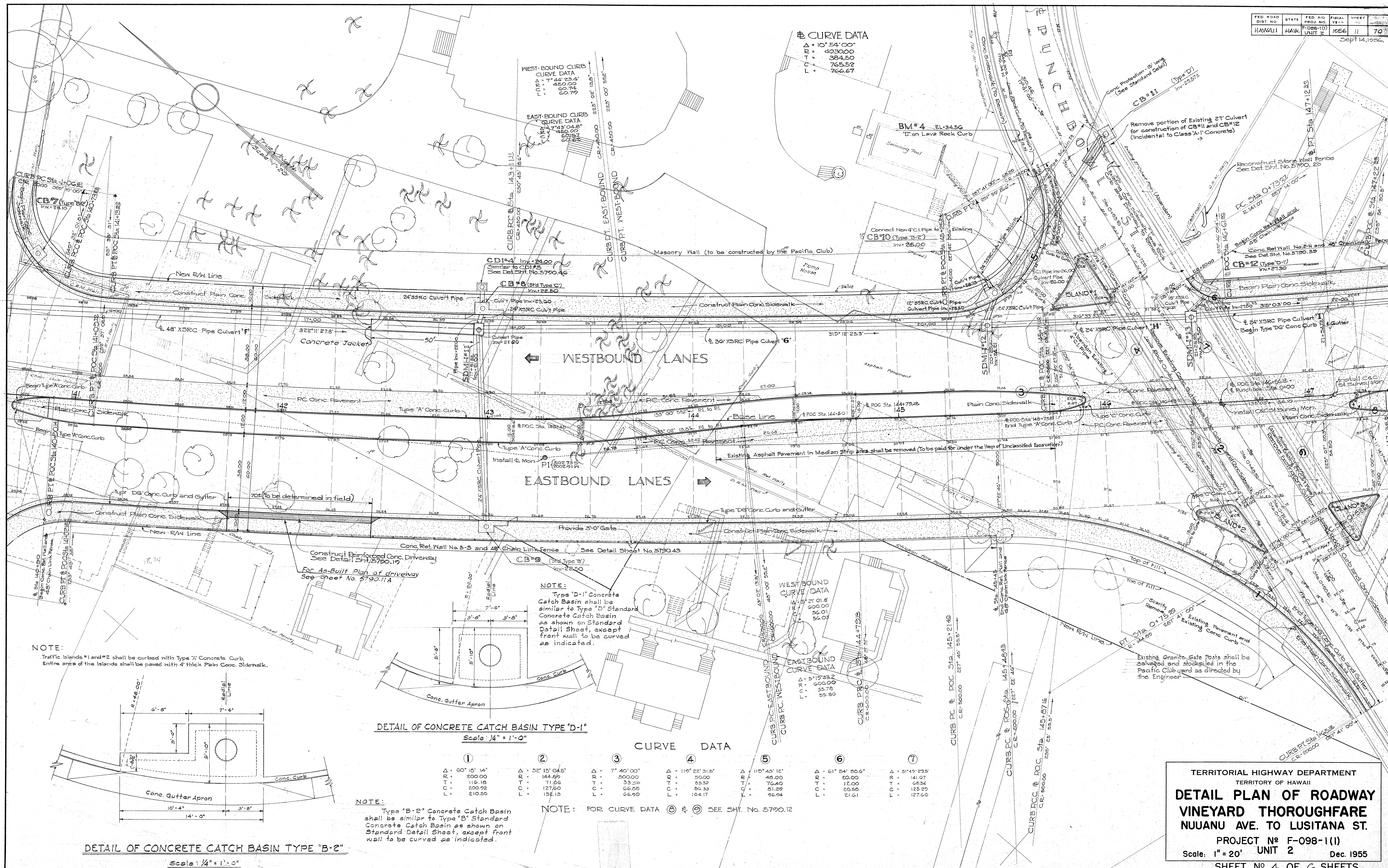
**DETAIL PLAN OF ROADWAY**  
**VINEYARD THOROUGHFARE**  
**NUUANU AVE. TO LUSITANA ST.**

PROJECT NO. F-098-1(1)  
Scale: 1" = 20' UNIT 2 Dec. 1955  
SHEET NO. 3 OF 6 SHEETS

This Sheet Includes the As-Built Changes.

**5790.10**







CURVE DATA  
Δ = 10° 54' 00"  
R = 4030.00  
T = 384.50  
C = 765.52  
L = 766.67

SECTION "A-A"  
Scale: 1/2" = 1'-0"

PLAN  
Scale: 1/4" = 1'-0"

EASTBOUND LANES

WESTBOUND LANES

CONSTRUCT CONC STRIPS WITH PIPE RAILING. SEE DETAIL THIS SHEET.

CONSTRUCT A.C. RAMP - SLOPE 4:1

NOTE:  
Type "D-1" Concrete Catch Basin shall be similar to Type "D" Standard Concrete Catch Basin as shown on Standard Detail Sheet, except front wall to be curved as indicated.

NOTE:  
Traffic Islands #1 and #2 shall be curbed with Type "X" Concrete Curb. Entire area of the island shall be max. with 4" thick Plain Conc. Sidewalk.

DETAIL OF CONCRETE CATCH BASIN TYPE "D-1"  
Scale: 1/4" = 1'-0"

DETAIL OF CONCRETE CATCH BASIN TYPE "B-2"  
Scale: 1/4" = 1'-0"

CURVE DATA

| 1               | 2               | 3              | 4                | 5                | 6               | 7               |
|-----------------|-----------------|----------------|------------------|------------------|-----------------|-----------------|
| Δ = 60° 10' 14" | Δ = 58° 15' 04" | Δ = 7° 40' 00" | Δ = 119° 28' 51" | Δ = 118° 45' 15" | Δ = 61° 54' 50" | Δ = 51° 45' 23" |
| R = 200.00      | R = 144.85      | R = 300.00     | R = 500.00       | R = 43.00        | R = 20.00       | R = 41.07       |
| T = 116.18      | T = 71.06       | T = 33.34      | T = 55.32        | T = 76.20        | T = 12.00       | T = 66.24       |
| C = 200.22      | C = 127.60      | C = 66.68      | C = 84.32        | C = 81.29        | C = 20.50       | C = 133.10      |
| L = 210.50      | L = 132.15      | L = 66.90      | L = 104.17       | L = 96.94        | L = 21.61       | L = 127.60      |

NOTE: FOR CURVE DATA, (1) & (2) SEE SHEET NO. 5790.12

REVISED SEPT. 1957

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

DETAIL PLAN OF ROADWAY  
VINEYARD THOROUGHFARE  
NUUANU AVE. TO LUSITANA ST.

PROJECT No F-098-1(1)  
Scale: 1" = 20' UNIT 2 Dec. 1955

SHEET No 4 OF 6 SHEETS

DATE: 12-55  
DESIGNED BY: YC MT  
DRAWN BY: TN 30  
CHECKED BY: YO  
NOTE BOOK: No.

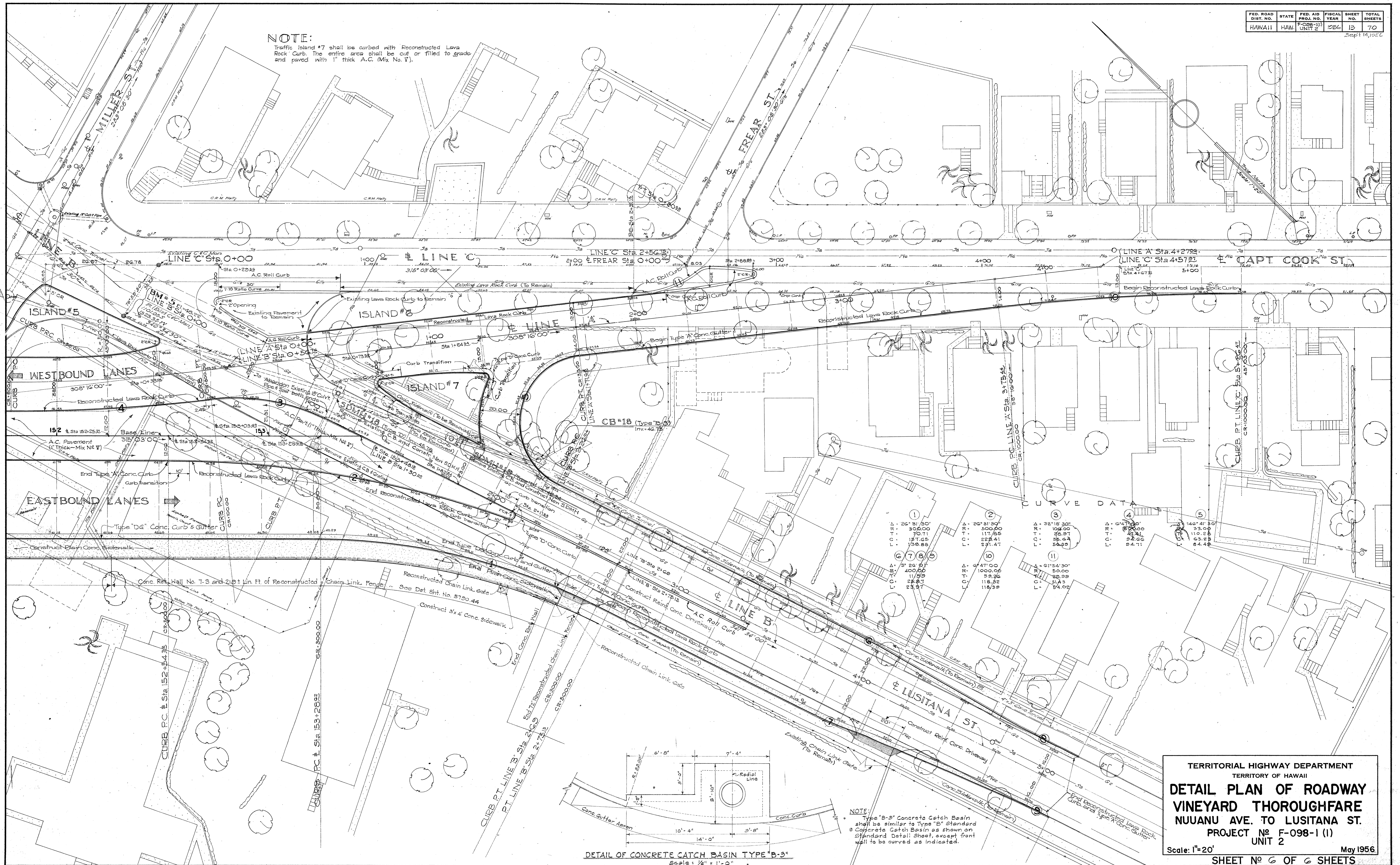






**NOTE:**

Traffic Island #7 shall be curbed with Reconstructed Lava Rock Curb. The entire area shall be cut or filled to grade and paved with 1" thick A.C. (Mix No. V).



TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

**DETAIL PLAN OF ROADWAY**  
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NUUANU AVE. TO LUSITANA ST.  
PROJECT No F-098-1 (1)  
UNIT 2

Scale: 1"=20'  
SHEET No 6 OF 6 SHEETS  
May 1956

This Sheet Includes the As-Built Changes.

5790.13