

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | U 59 (G)           | 1954        | 02        | 104          |

|   | ①         | ②         | ③         | ④         | ⑤         | ⑥         | ⑦         | ⑧          | ⑨         |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| Δ | 22°23'00" | 33°09'00" | 20°17'30" | 20°17'30" | 35°53'30" | 56°48'00" | 20°17'30" | 125°17'30" | 66°36'00" |
| R | 500.00'   | 200.00'   | 240.00'   | 230.00'   | 125.40'   | 28.14'    | 365.22'   | 30.00'     | 50.00'    |
| T | 28.93'    | 28.53'    | 42.25'    | 41.16'    | 40.61'    | 53.06'    | 27.29'    | 37.99'     | 38.84'    |
| C | 124.09'   | 114.11'   | 84.55'    | 81.03'    | 77.28'    | 93.36'    | 129.34'   | 65.60'     | 58.12'    |
|   |           |           |           |           |           |           |           |            | 54.20'    |

# GENERAL NOTES

- All manholes in the roadway prism shall be reset to new grades as directed by the Engineer.
- All existing lava rock curb and precast concrete curb 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 heights.
- 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".
- 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.

## 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)

## CURB CURVE DATA

|   |           |           |           |           |           |           |            |           |
|---|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| Δ | 14°26'00" | 53°08'00" | 20°17'30" | 35°53'30" | 56°48'00" | 20°17'30" | 125°17'30" | 66°36'00" |
| R | 161.00'   | 20.39'    | 40.56'    | 40.61'    | 53.06'    | 27.29'    | 37.99'     | 38.84'    |
| T | 20.39'    | 40.56'    | 40.61'    | 53.06'    | 27.29'    | 37.99'    | 38.84'     | 38.84'    |
| C | 40.45'    | 18.55'    | 18.55'    | 77.28'    | 93.36'    | 129.34'   | 65.60'     | 58.12'    |

BEG OF PROJ. NO. U 59 (G) UNIT 2  
KEEAUMOKU ST. TO ALEXANDER ST.

## NOTE:

For details, profile, and inverts for CIB#1 to CIB#5, see Sht. No. 5627.42. Culvert/Pipe shall be 24" SSRC. Culvert/Pipe without Concrete Collars. Total length 408 Lin. Ft.

Remove existing curb  
Have this area with 6" Waterbound Macadam Base Course and 2" A.C. Mix No. 12 Surface Course. Graded as directed by the Engineer.

Est. Quantities  
B.C. 13 cy  
A.C. 64 sq.

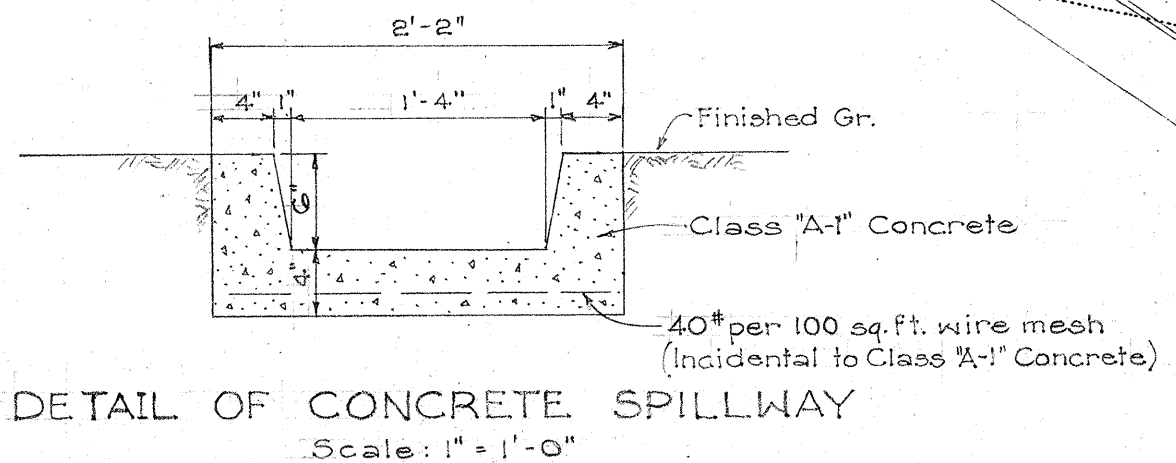
## WEST BOUND LANES

## EAST BOUND LANES

## NOTE:

For Plan and Profile of storm drain along Lunalilo St., see Sht. No. 5627.07

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
**DETAIL PLAN OF ROADWAY**  
**MAUKA ARTERIAL**  
**KEEAUMOKU ST. TO ALEXANDER ST.**  
PROJECT NO. U 59 (G)  
UNIT 2  
Scale: 1" = 20'  
July 1953  
SHEET NO. 1 OF 6 SHEETS



## NOTE:

See Sht. No. 5627.04 for complete curb layout on Keeaumoku Street

## CURB CURVE DATA

|   |           |         |        |        |        |
|---|-----------|---------|--------|--------|--------|
| Δ | 16°40'00" | 140.00' | 20.51' | 40.75' | 40.58' |
|---|-----------|---------|--------|--------|--------|

True North  
Scale: 1 in. = 20 ft.

Matched area shall be paved with 8" Waterbound Macadam Base Course, 2 1/2" Mix No. 12 Levelling Course, and 1 1/2" Mix No. V Surface Course, graded as shown or at the direction of the Engineer.

BM#1 - E.I. = 30.60  
Cut on Conc. Sidewalk  
(Painted Yellow)

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|   | ①         | ②         | ③         | ④         | ⑤         | ⑥         | ⑦         | ⑧          | ⑨         |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| Δ | 22°23'00" | 33°09'00" | 20°17'30" | 20°17'30" | 35°53'30" | 56°48'00" | 20°17'30" | 125°17'30" | 66°36'00" |
| R | 500.00'   | 200.00'   | 240.00'   | 230.00'   | 125.40'   | 28.14'    | 365.22'   | 30.00'     | 50.00'    |
| L | 125.33'   | 115.72'   | 85.00'    | 81.46'    | 78.55'    | 27.22'    | 129.34'   | 65.60'     | 58.12'    |
| C | 194.09'   | 114.11'   | 84.55'    | 81.03'    | 77.28'    | 93.36'    | 168.67'   | 53.29'     | 54.20'    |

GENERAL NOTES

- (a) All manholes in the roadway prism shall be reset to new grades as directed by the Engineer.
- (b) All existing lava rock curb and precast concrete curb which are to be removed shall be salvaged or reconstructed as shown on the plans.
- (c) Where reconstructed curbs are to be connected to existing or new curbs, the curbs shall be installed to produce neatly matched joints.
- (d) 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 heights.
- (e) 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".
- (f) 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.
- (g) 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".
- (h) 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.

LEGEND  
SSRC. Culvert Pipe ..... Standard Strength Reinforced Concrete Culvert Pipe  
X.S.R.C. Culvert Pipe ..... Extra Strength Reinforced Concrete Culvert Pipe  
(All Concrete Culvert Pipe with Concrete Collars unless otherwise noted)

CURB CURVE DATA

|   |             |             |             |             |             |             |              |             |
|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|
| Δ | 14° 34' 00" | 53° 08' 00" | 20° 17' 30" | 35° 53' 30" | 56° 48' 00" | 20° 17' 30" | 125° 17' 30" | 66° 36' 00" |
| R | 141.00'     | 101.00'     | 230.00'     | 125.40'     | 28.14'      | 365.22'     | 30.00'       | 50.00'      |
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| C | 194.09'     | 114.11'     | 84.55'      | 77.28'      | 93.36'      | 168.67'     | 53.29'       | 54.20'      |

BEG OF PROJ. NO. U 59(6) UNIT 2  
KEEAUMOKU ST. TO ALEXANDER ST.

NOTE:  
For details, profile, and inverts for CIB#1 to CIB#5, see Sht. No. 5627.04. Culvert Pipe shall be 24" S.S.R.C. Culvert Pipe without Concrete Collars. Total length 408 Lin. Ft.  
Remove existing curb  
Pipe this area with 6" Waterbound Macadam Base Course and 2" A.C. Mix No. II Surface Course Graded as directed by the Engineer

CIB#1 Sta. 229+51.80  
CIB#2 Sta. 229+56.80  
CIB#3 Sta. 230+21.80  
CIB#4 Sta. 230+56.80  
CIB#5 Sta. 231+25.80  
CIB#6 Sta. 231+50.80

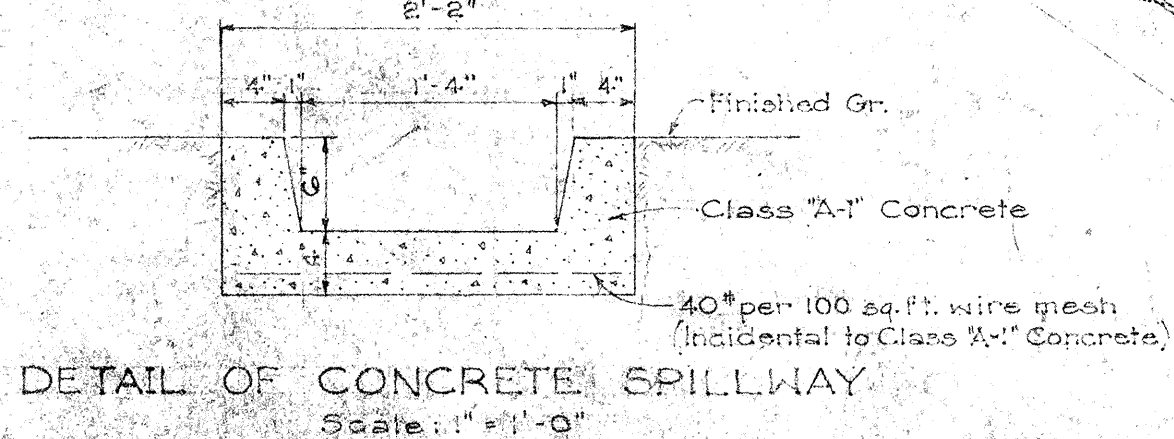
WEST BOUND LANES

EAST BOUND LANES

NOTE:  
For Plan and Profile of storm drain, along Lunalilo St., see Sht. No. 5627.07

NOTE:  
This Sheet Supersedes Sheet No. 5627.02 1-25-55

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
**DETAIL PLAN OF ROADWAY**  
**MAUKA ARTERIAL**  
**KEEAUMOKU ST. TO ALEXANDER ST.**  
PROJECT NO. U 59 (6) UNIT 2  
Scale: 1" = 20'  
SHEET NO. 1 OF 6 SHEETS  
July 1953



NOTE:  
See Sht. No. 5627.04 for complete curb layout on Keeaumoku Street

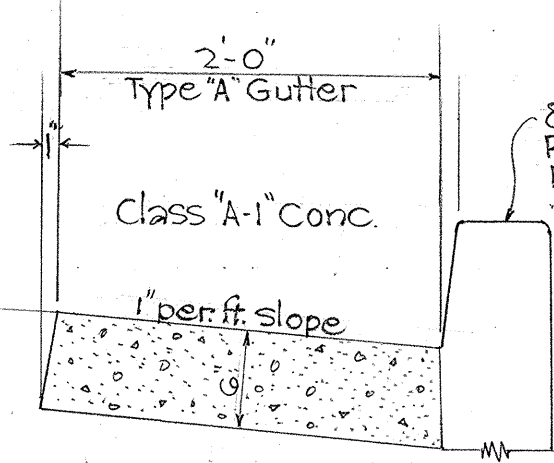
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| DESIGNED BY           | DATE |
| DRAWN BY              |      |
| CHECKED BY            |      |
| QUANTITIES CHECKED BY |      |
| NOTE BOOK             |      |
| NO.                   |      |

5627.09A

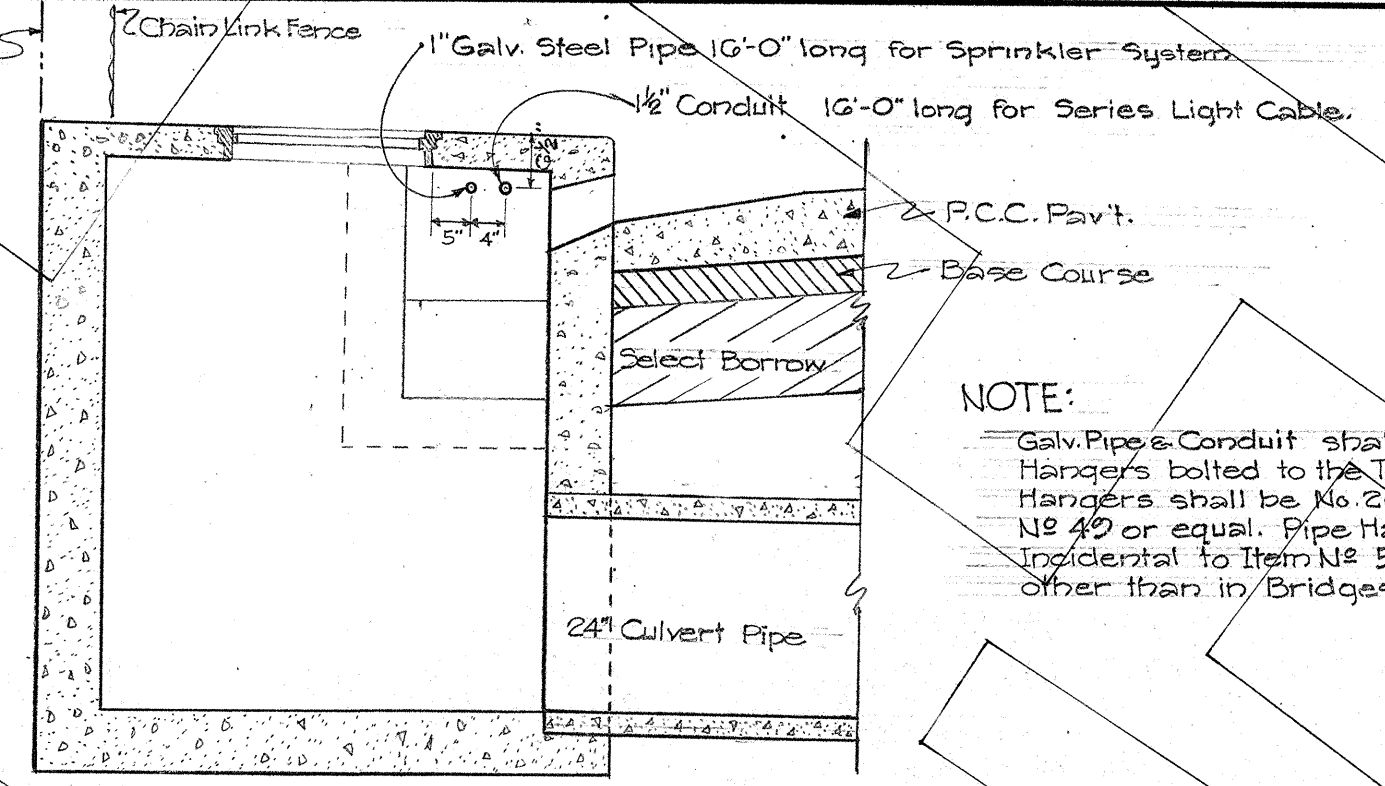


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | U 59(6)            | 1954        | 10        | 104          |

5/19/54



TYPE "A" CONC. GUTTER  
MEDIAN STRIP-KEEAUMOKU ST. TO STA. 230+00  
Scale: 1"=1'-0"



SECTION THROUGH C.B. NO. 5  
Scale: 1/2"=1'-0"

NOTE:  
Galv. Pipe & Conduit shall be supported by Band Hangers bolted to the Top Slab of C.B. No. 5. Band Hangers shall be No. 202-G Crane Catalogue No. 49 or equal. Pipe Hangers and Bolts shall be incidental to Item No. 5(1) Class "A-1" Concrete other than in Bridges.

NOTE:  
For details, profile, and inverts for CIB#1 to CIB#13, see Sht. No. 5627.42. Culvert Pipe shall be 24" S.S.R.C. Culvert Pipe without Concrete Collars. Total length 408 Lin. Ft.

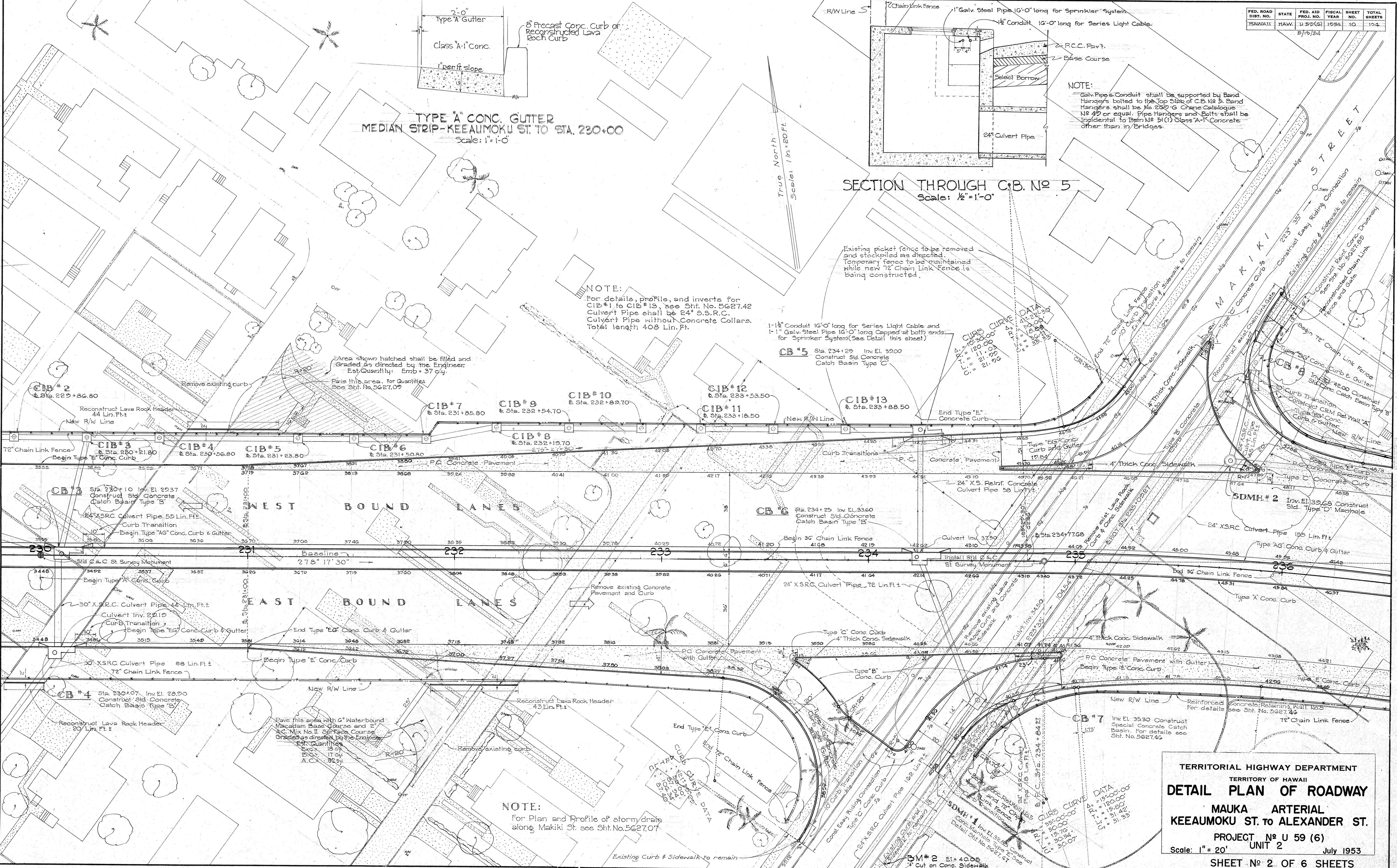
1-1/2" Conduit 16'-0" long for Series Light Cable and 1-1" Galv. Steel Pipe 16'-0" long Capped at both ends for Sprinkler System (See Detail on this sheet)

CIB #5 Sta. 234+25 Inv. El. 32.00 Construct Sid Concrete Catch Basin Type 'C'

CIB #12 Sta. 233+53.50  
CIB #11 Sta. 233+18.50

CIB #10 Sta. 232+82.70  
CIB #9 Sta. 232+54.70  
CIB #7 Sta. 231+85.80

CIB #6 Sta. 231+50.00  
CIB #5 Sta. 231+23.80  
CIB #4 Sta. 230+56.80  
CIB #3 Sta. 230+10.00



NOTE:  
For Plan and Profile of storm drain along Makiki St. see Sht. No. 5627.07

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
**DETAIL PLAN OF ROADWAY**  
MAUKA ARTERIAL  
KEEAUMOKU ST. TO ALEXANDER ST.  
PROJECT No U 59 (6)  
UNIT 2  
Scale: 1"=20'  
SHEET No 2 OF 6 SHEETS  
July 1953

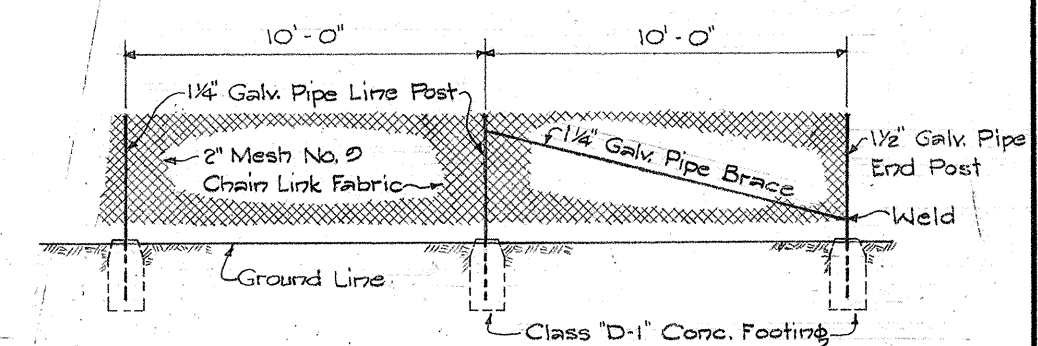
5627.10

DESIGNED BY  
CHECKED BY  
NOTED BY  
DATE

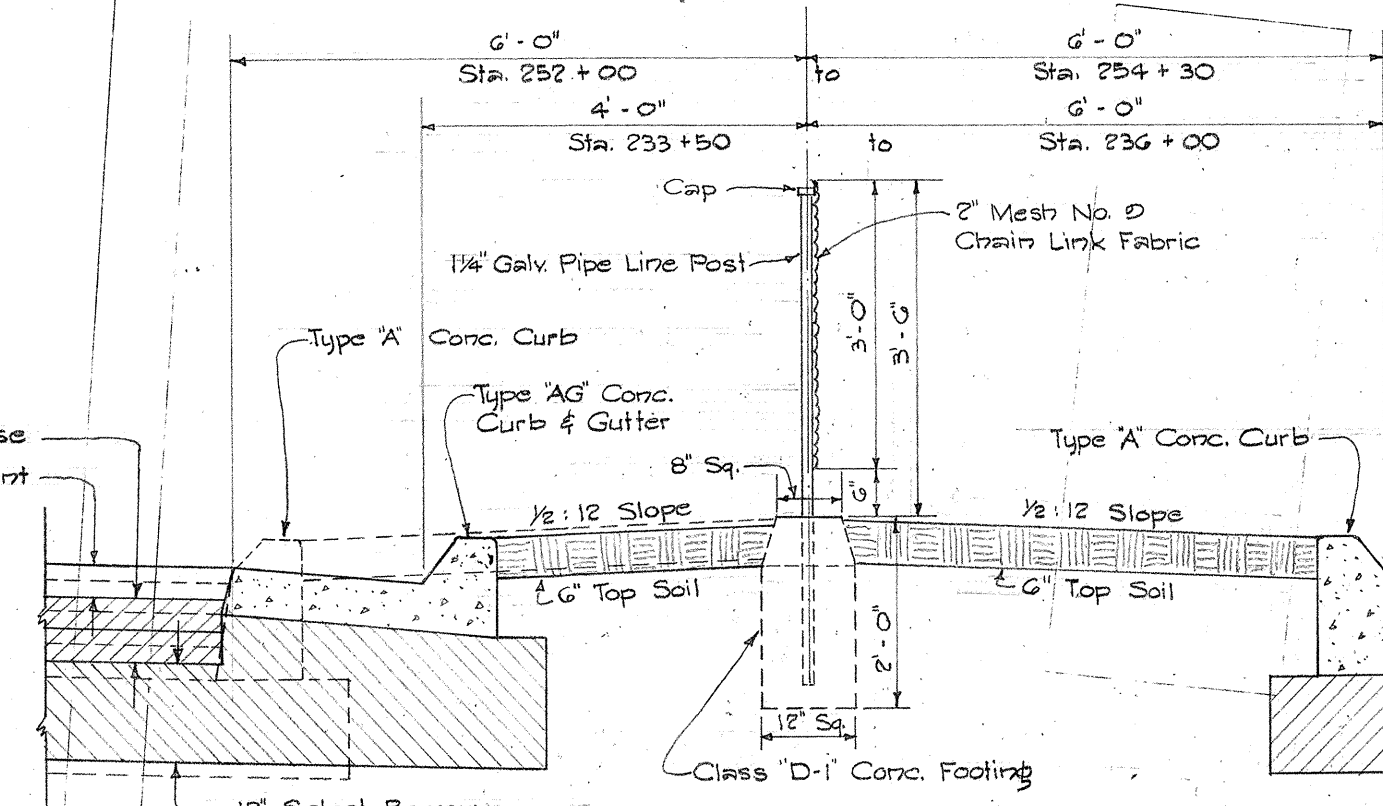


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | U 59 (6)           | 1954        | 11        | 104          |

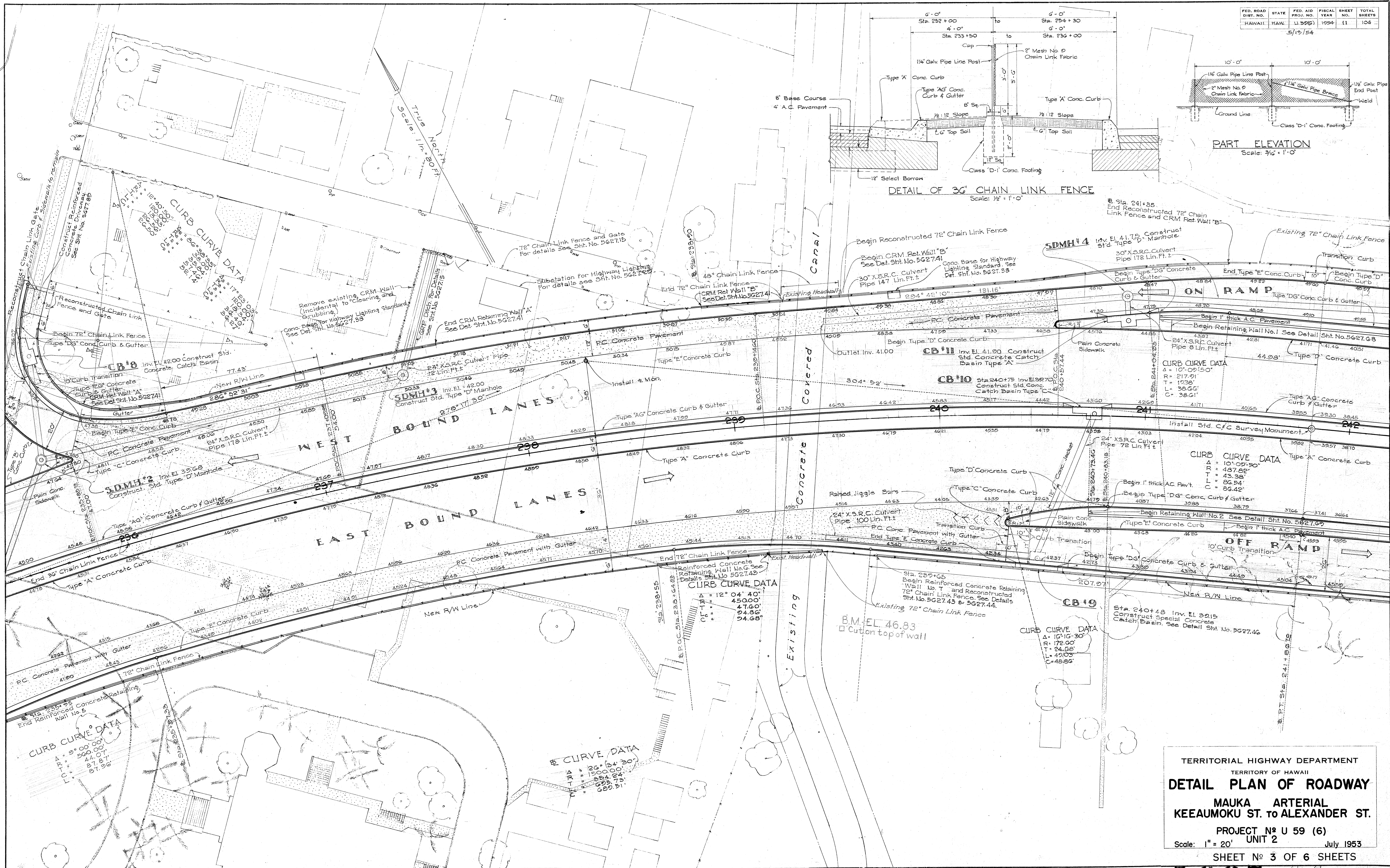
5/15/54



PART ELEVATION  
Scale: 3/4" = 1'-0"



DETAIL OF 36" CHAIN LINK FENCE  
Scale: 1/2" = 1'-0"



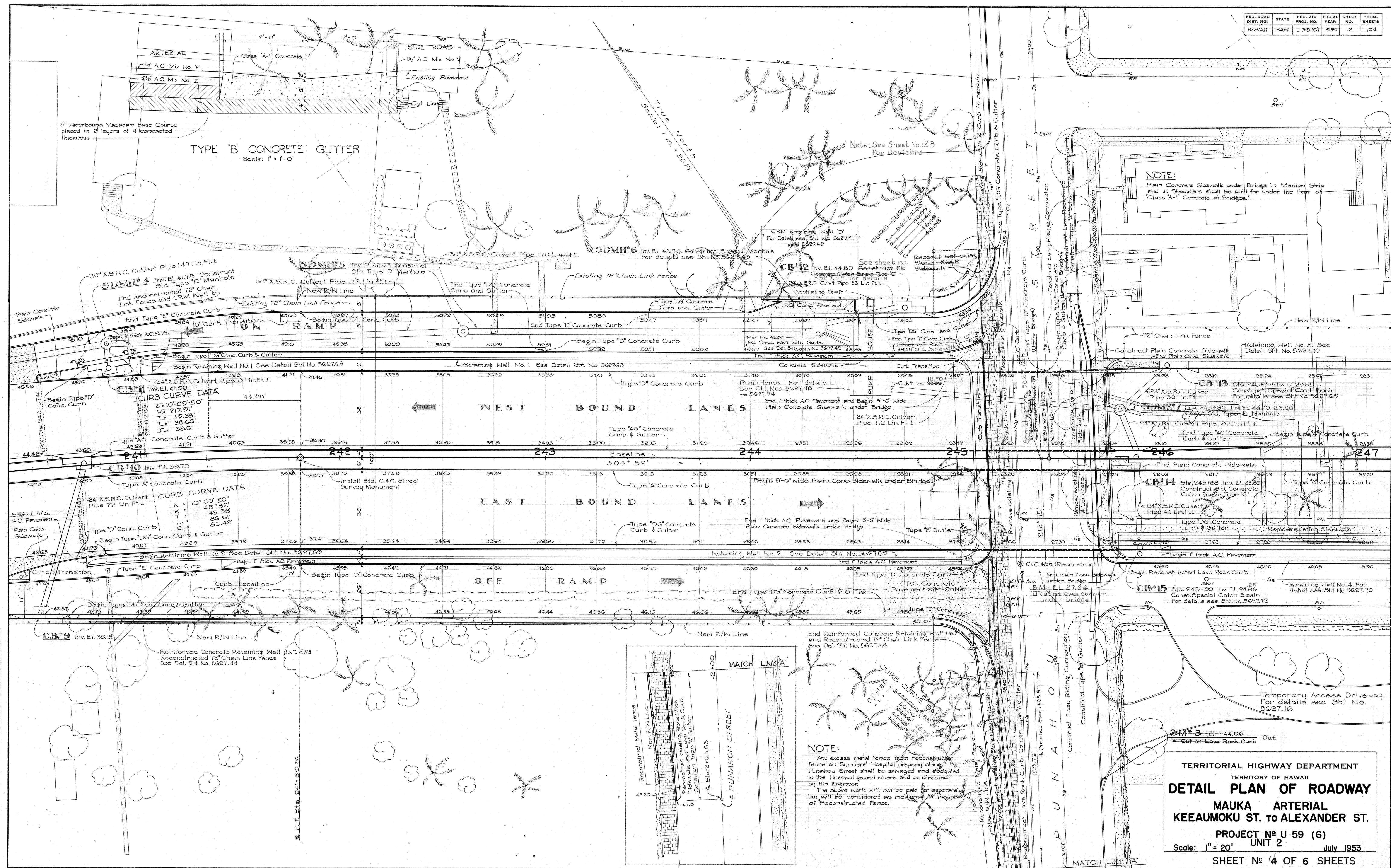
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|---------|-------------|-----------|---------------|------------|
| DATE    | DESIGNED BY | TRACED BY | QUANTITIES BY | CHECKED BY |
| 5/15/54 | W. H. P.    | W. H. P.  | W. H. P.      | W. H. P.   |

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
**DETAIL PLAN OF ROADWAY**  
MAUKA ARTERIAL  
KEEAUMOKU ST. TO ALEXANDER ST.  
PROJECT No U 59 (6)  
Scale: 1" = 20' UNIT 2 July 1953  
SHEET No 3 OF 6 SHEETS

5627.111



| ORIGINAL<br>PLAN | NOTE BOOK<br>No. | SURVEY PLOTTED BY.....     | DATE..... |
|------------------|------------------|----------------------------|-----------|
|                  |                  | DESIGNED BY.....           | .....     |
|                  |                  | DRAWN BY.....              | .....     |
|                  |                  | TRACED BY.....             | .....     |
|                  |                  | QUANTITIES BY.....         | .....     |
|                  |                  | QUANTITIES CHECKED BY..... | .....     |
|                  |                  | CHECKED BY.....            | .....     |



TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
**DETAIL PLAN OF ROADWAY**  
**MAUKA ARTERIAL**  
**KEEAUMOKU ST. TO ALEXANDER ST.**  
**PROJECT N<sup>o</sup> U 59 (6)**  
**UNIT 2**  
Scale: 1" = 20' July 1953  
**SHEET N<sup>o</sup> 4 OF 6 SHEETS**

5627 LA 91 23



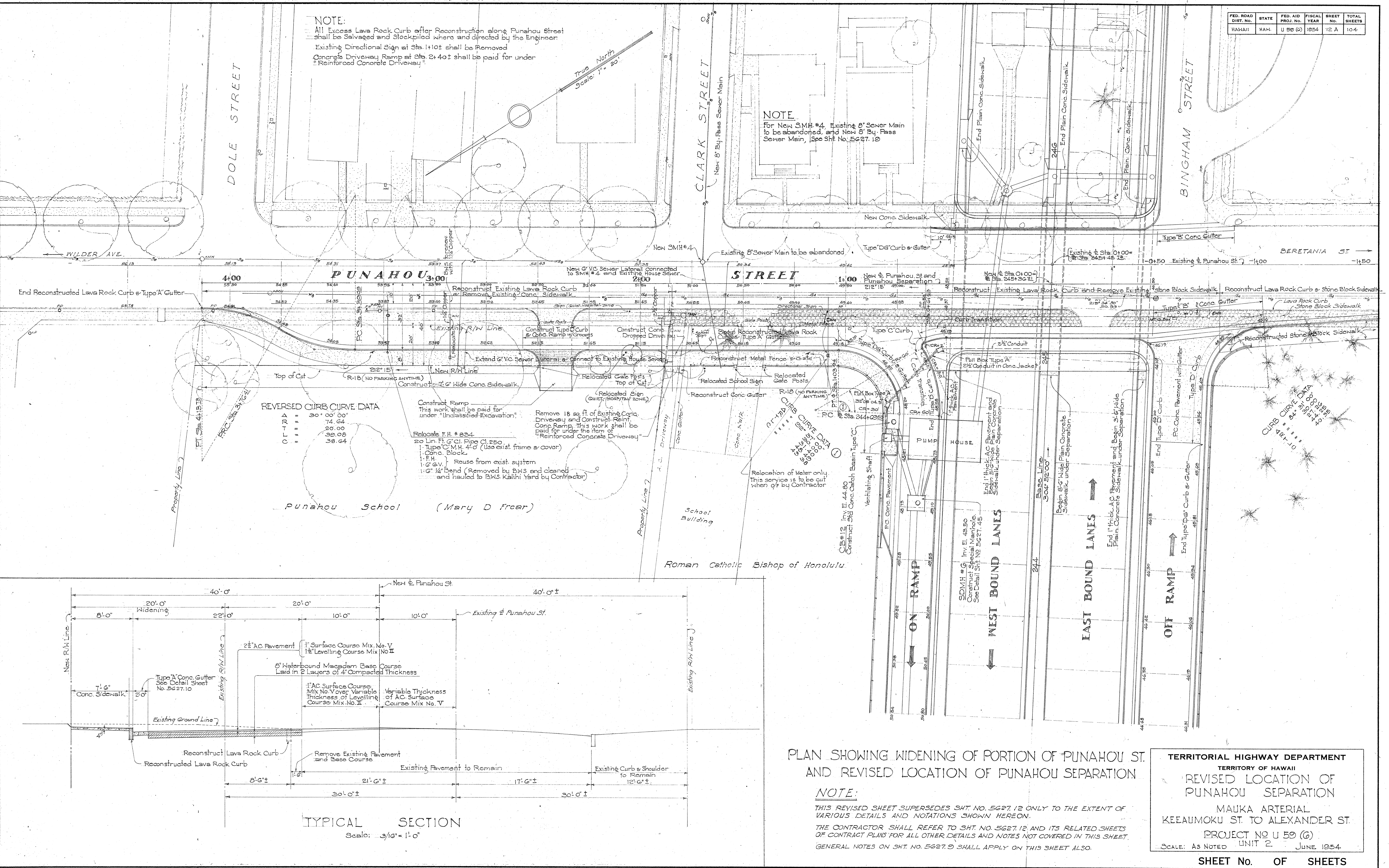
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | U 50 (G)           | 1954        | 12 A      | 104          |

**NOTE:**

All Excess Lava Rock Curb after Reconstruction along Punahou Street shall be Salvaged and Stockpiled where and directed by the Engineer.  
Existing Directional Sign at Sta. 1+101 shall be Removed.  
Concrete Driveway Ramp at Sta. 2+401 shall be paid for under "Reinforced Concrete Driveway".

**NOTE:**

For New SMH #4, Existing 6" Sewer Main to be abandoned, and New 8" By-Pass Sewer Main, See Sht. No. 5627.12

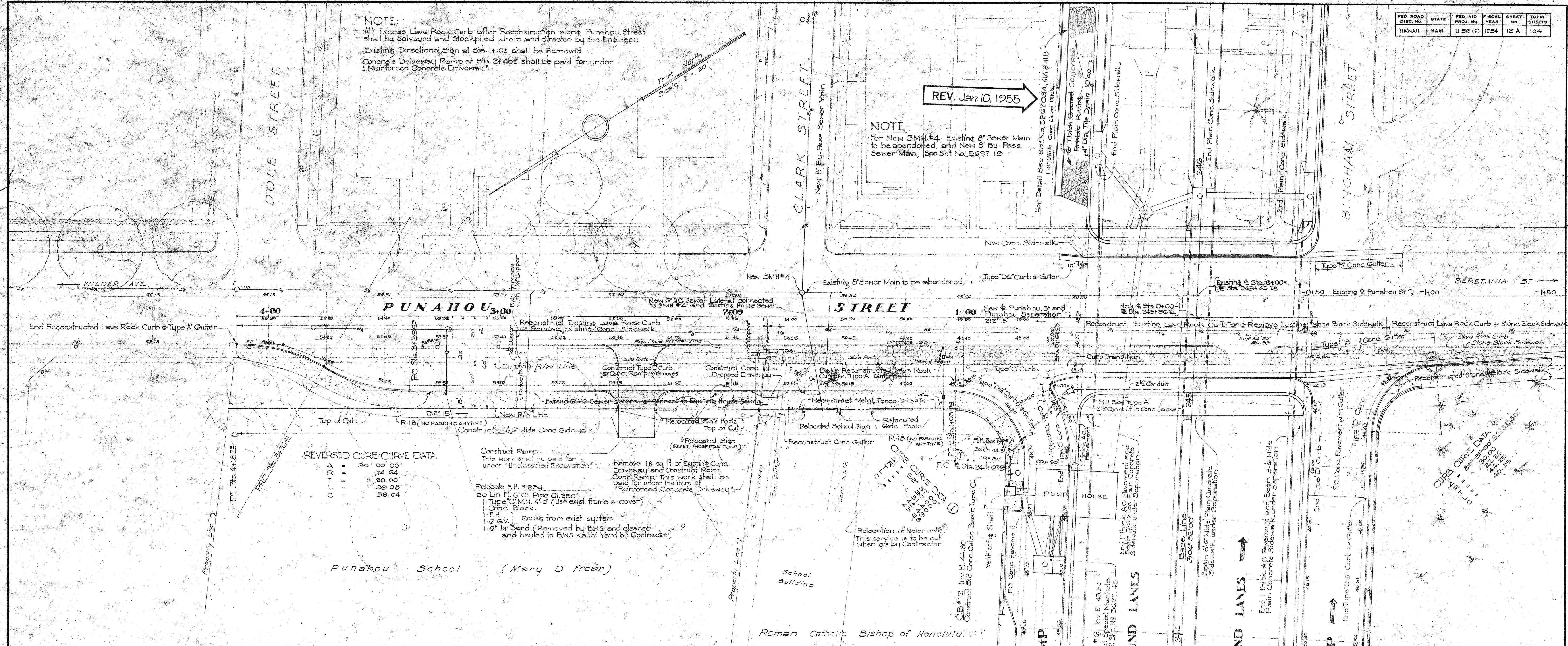




NOTE:  
All Excess Lava Rock Curb after Reconstruction along Punahou Street shall be Salvaged and Stockpiled where and directed by the Engineer.  
Existing Directional Sign at Sta. 1+102 shall be Removed.  
Concrete Driveway Ramp at Sta. 2+402 shall be paid for under "Reinforced Concrete Driveway".

NOTE:  
For New SMH #4, Existing 8" Sewer Main to be abandoned, and New 6" By-Pass Sewer Main, See Sht. No. 5627.12

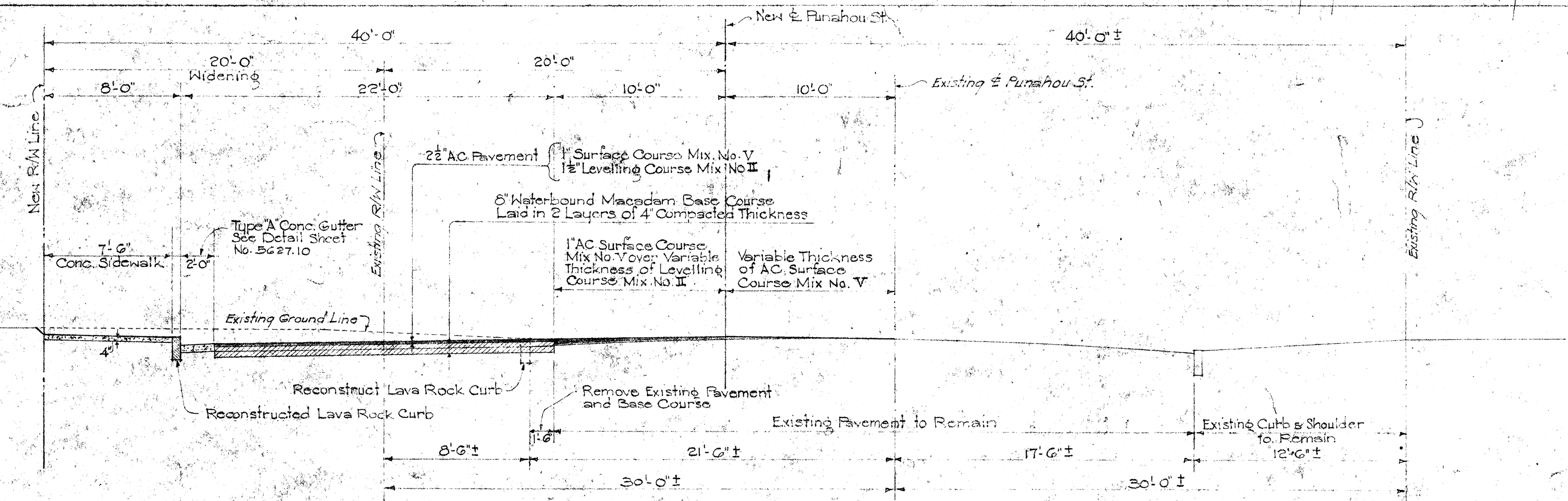
REV. Jan. 10, 1955



REVERSED CURB CURVE DATA  
 A = 30.00  
 B = 74.00  
 C = 20.00  
 D = 39.08  
 E = 38.64

Construct Ramp  
 This work shall be paid for under "Unclassified Excavation".  
 Remove 18 sq. ft. of Existing Conc. Driveway and Construct Rein. Conc. Ramp. This work shall be paid for under the item of "Reinforced Concrete Driveway".  
 Relocate F.H. #224  
 20 Lin. Ft. 6" CI. Pipe 41.250  
 1" Type 'C' M.H. 4'0" (Use exist. frame & cover)  
 1" Conc. Block  
 1" F.H.  
 1" 6" av. Reuse from exist. system  
 1" 6" 1/2" Bend (Removed by Bx13 and cleaned and hauled to BWS Kalini Yard by Contractor)

RELOCATED CURB CURVE DATA  
 A = 30.00  
 B = 74.00  
 C = 20.00  
 D = 39.08  
 E = 38.64



TYPICAL SECTION  
 Scale: 3/16" = 1'-0"

# PLAN SHOWING WIDENING OF PORTION OF PUNAHOU ST. AND REVISED LOCATION OF PUNAHOU SEPARATION

NOTE:  
 THIS REVISED SHEET SUPERSEDES SHT. NO. 5627.12 ONLY TO THE EXTENT OF VARIOUS DETAILS AND NOTATIONS SHOWN HEREON.  
 THE CONTRACTOR SHALL REFER TO SHT. NO. 5627.12 AND ITS RELATED SHEETS OF CONTRACT PLANS FOR ALL OTHER DETAILS AND NOTES NOT COVERED IN THIS SHEET.  
 GENERAL NOTES ON SHT. NO. 5627.9 SHALL APPLY ON THIS SHEET ALSO.

NOTE:  
 THIS SHEET SUPERSEDES  
 SHEET NO. 5627.12A  
 1-10-55

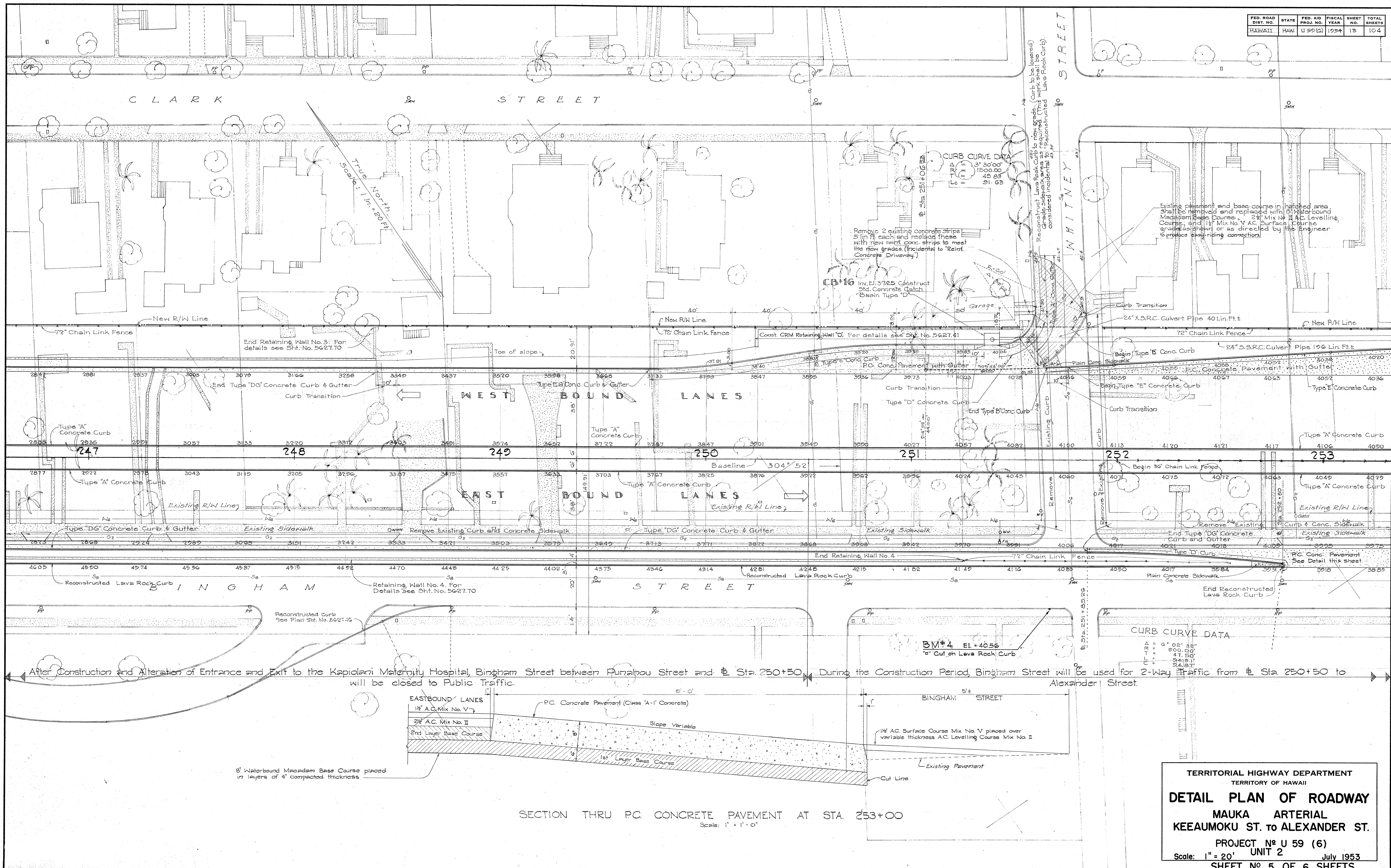
TERRITORIAL HIGHWAY DEPARTMENT  
 TERRITORY OF HAWAII  
 REVISED LOCATION OF  
 PUNAHOU SEPARATION  
 MAUKA ARTERIAL  
 KEEAUMOKU ST. TO ALEXANDER ST.  
 PROJECT NO. U 50 (G)  
 SCALE: AS NOTED UNIT 2 JUNE 1954

SHEET NO. OF SHEETS

5627.12B



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | U 59 (6)           | 1954        | 13        | 104          |



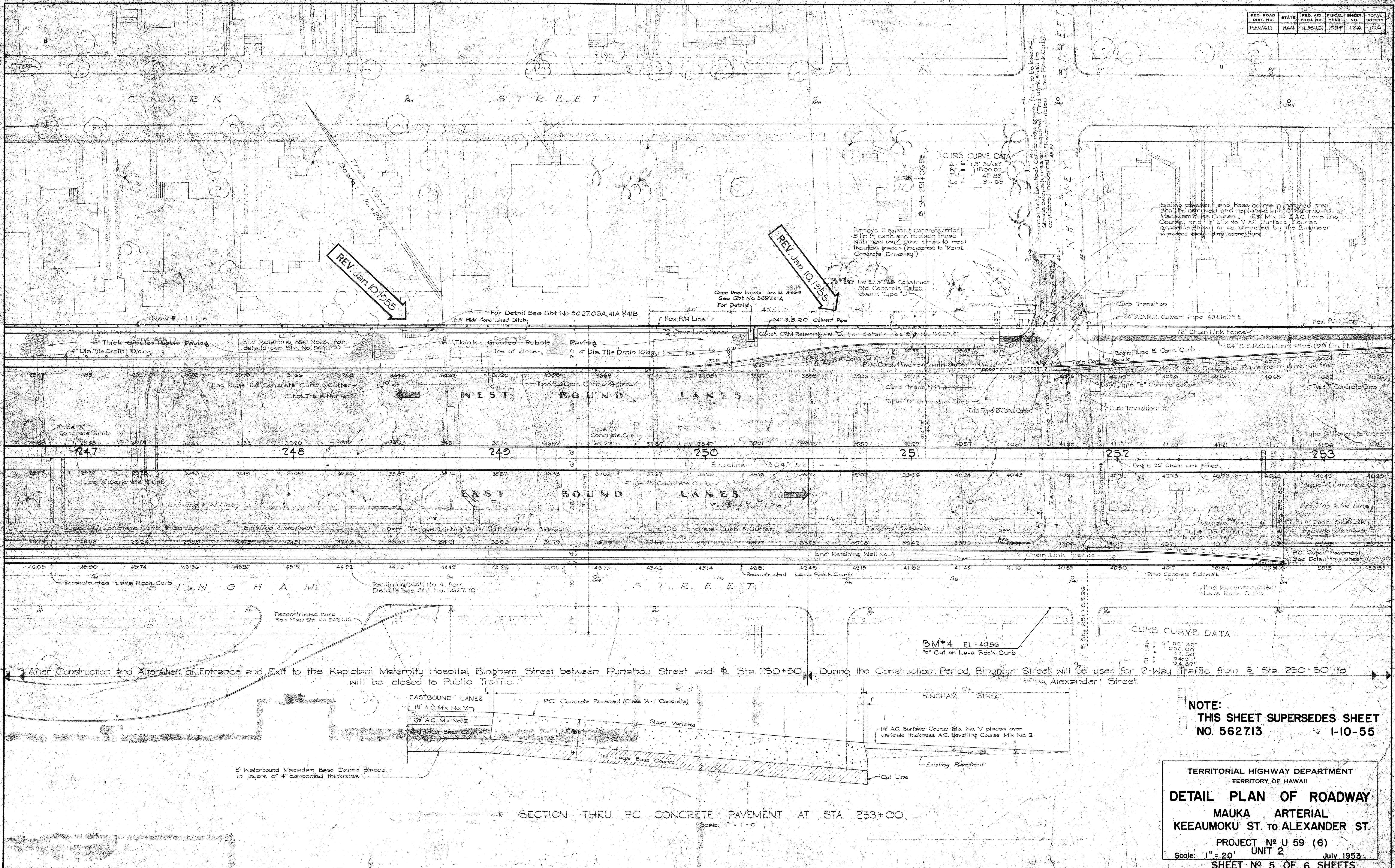
**TERRITORIAL HIGHWAY DEPARTMENT**  
**TERRITORY OF HAWAII**  
**DETAIL PLAN OF ROADWAY**  
**MAUKA ARTERIAL**  
**KEEAUMOKU ST. TO ALEXANDER ST.**  
 PROJECT NO. U 59 (6)  
 UNIT 2  
 Scale: 1" = 20' July 1953  
**SHEET NO. 5 OF 6 SHEETS**

**5627.13**

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



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW   | U 59 (6)           | 1954        | 13A       | 104          |



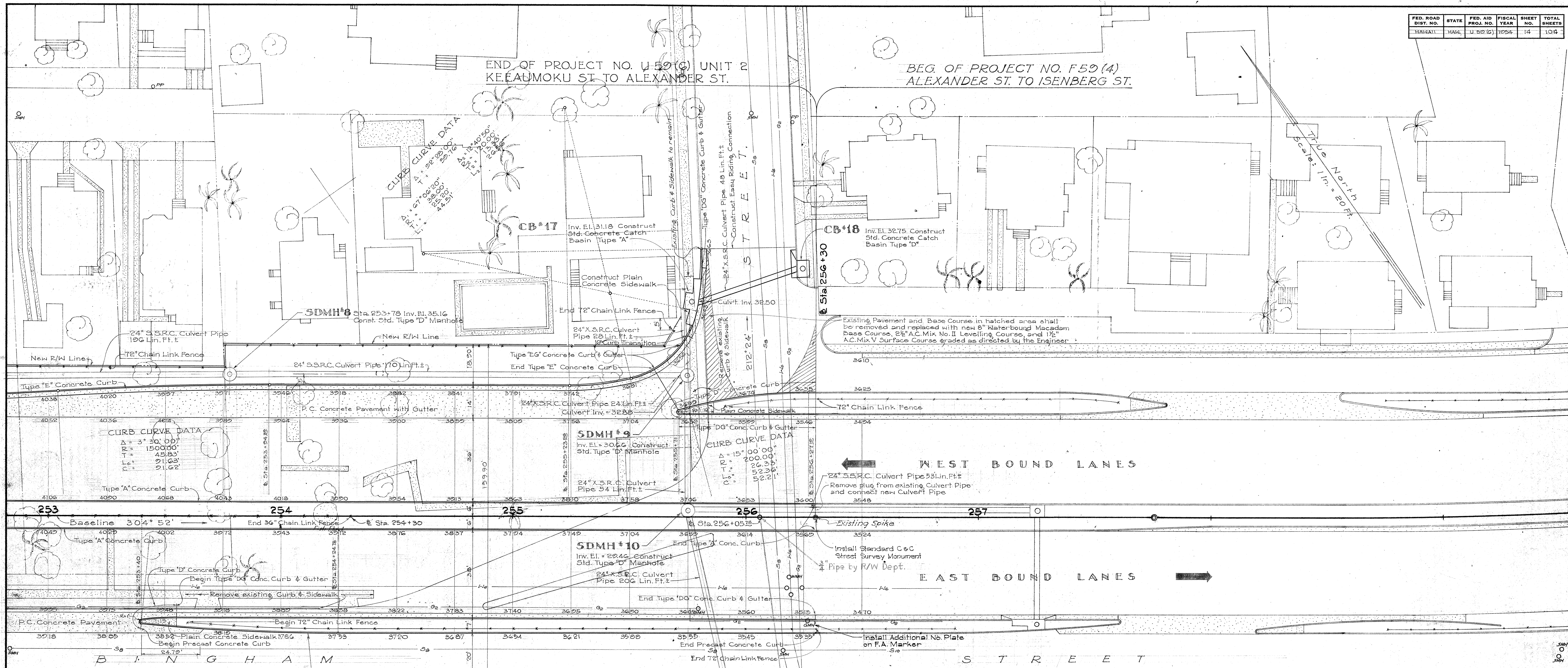
5627.13A



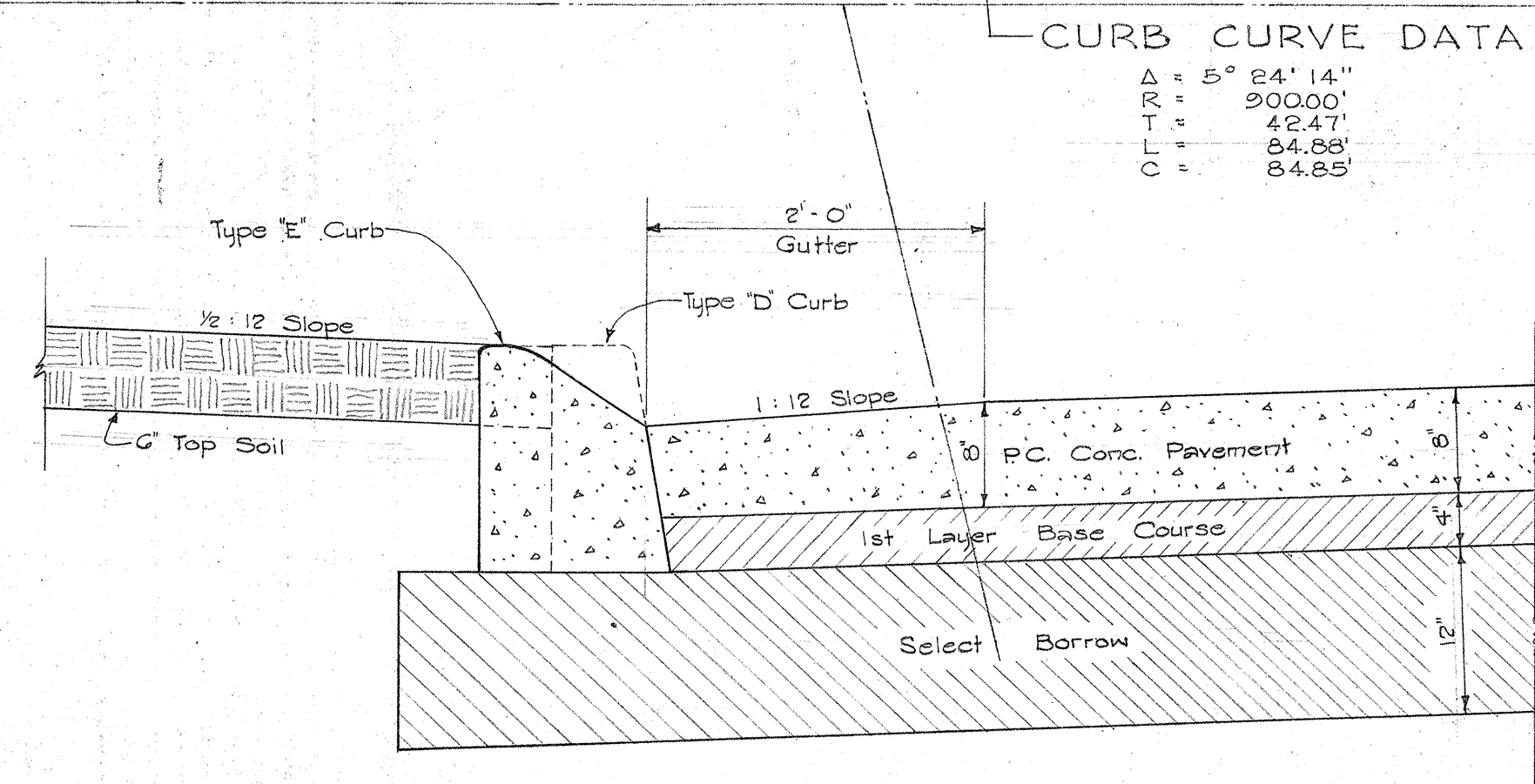
| FED. ROAD DIST. NO. | STATE  | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|--------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAWAII | U 59 (6)           | 1954        | 14        | 104          |

END OF PROJECT NO. U 59 (6) UNIT 2  
KEEAUMOKU ST. TO ALEXANDER ST.

BEG. OF PROJECT NO. F 59 (4)  
ALEXANDER ST. TO ISENBERG ST.



NOTE:  
For details of storm drain system on  
Alexander St. between Bingham and  
Beretania Sts. see Sht. No. 5627.03



TYPICAL DETAIL  
PC CONCRETE PAVEMENT WITH GUTTER AT CURB  
Scale: 1" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
**DETAIL PLAN OF ROADWAY**  
MAUKA ARTERIAL  
KEEAUMOKU ST. TO ALEXANDER ST.  
PROJECT NO. U 59 (6)  
UNIT 2  
Scale: 1" = 20' July 1953  
SHEET NO. 6 OF 6 SHEETS

5627.14