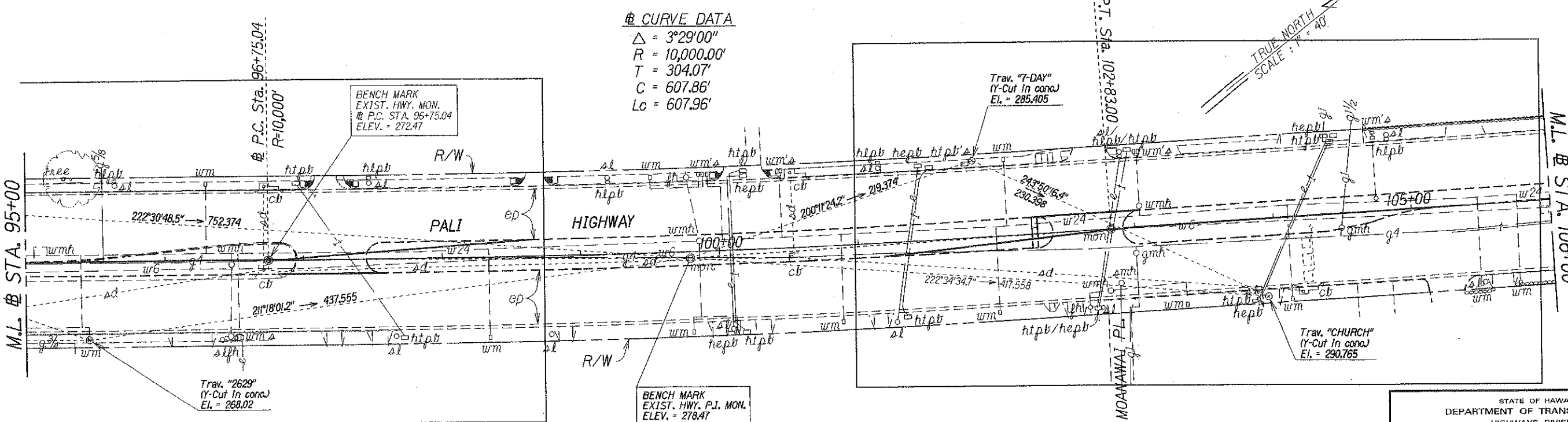
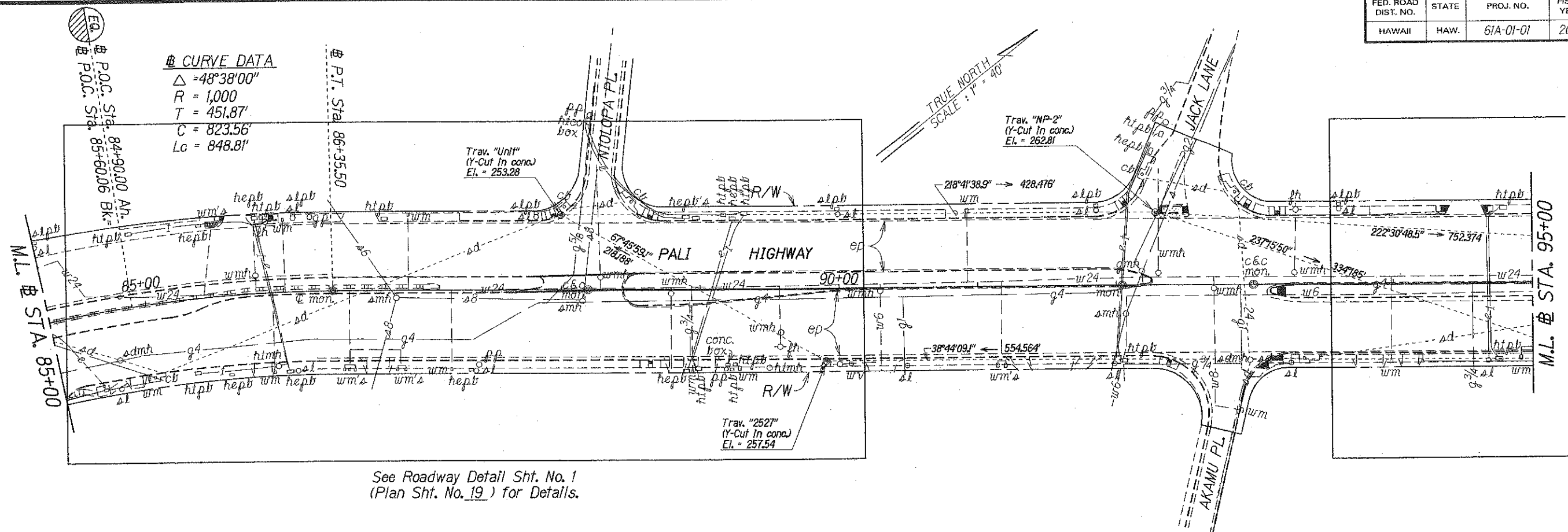


| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61A-01-01 | 2002        | 15        | 35           |



|                   |  |
|-------------------|--|
| DATE              |  |
| SURVEY PLOTTED BY |  |
| DRAWN BY          |  |
| NOTES WORK        |  |
| DESIGNED BY       |  |
| CHECKED BY        |  |



See Roadway Detail Sht. No. 3  
(Plan Sht. No. 21) for Details.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

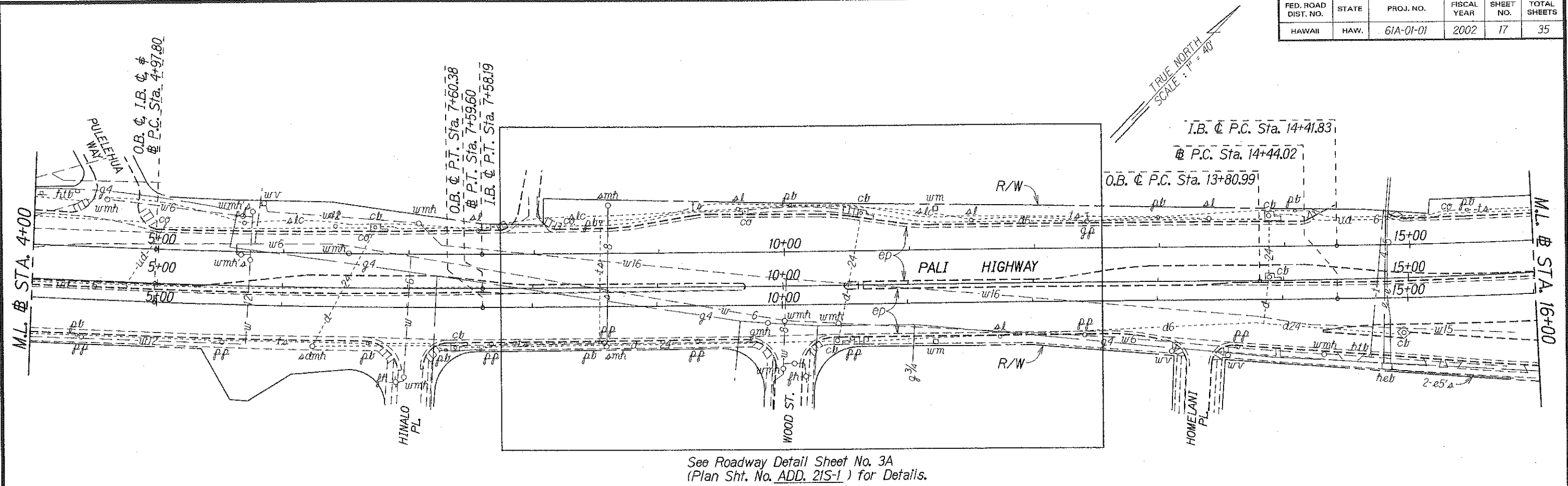
### ROADWAY PLAN

PALI HIGHWAY SAFETY IMPROVEMENTS  
School Street to Waokanaka Street  
Project No. 61A-01-01

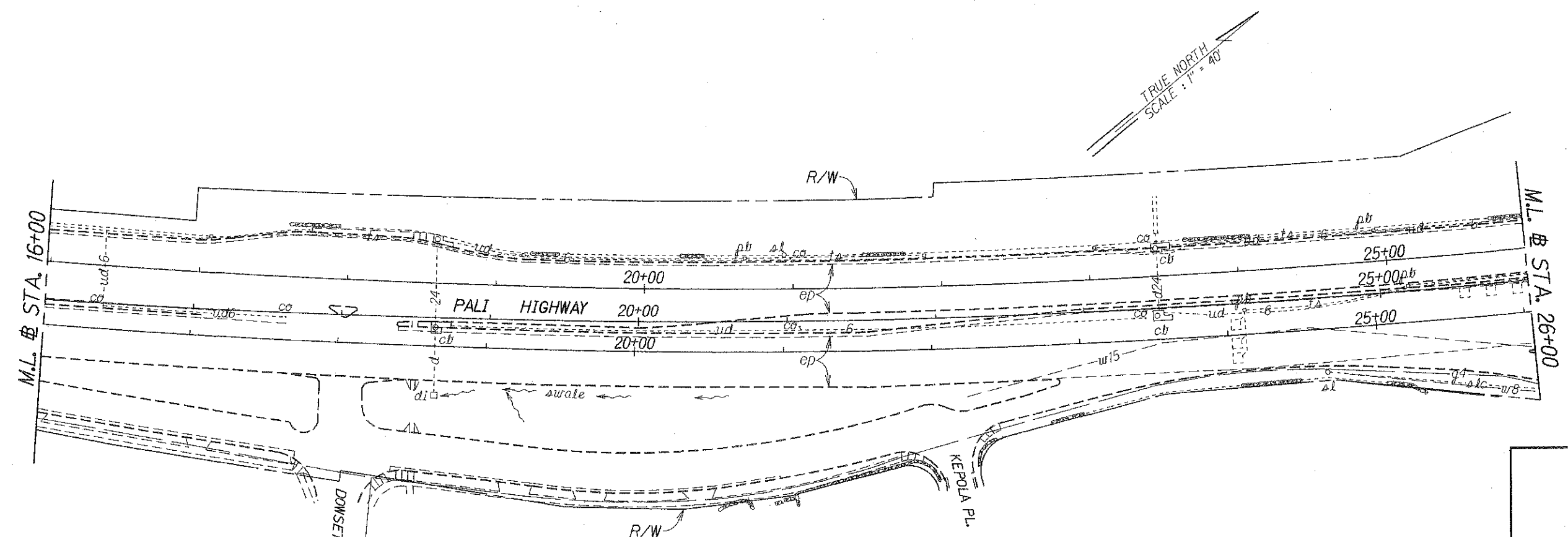
Scale: 1"=40'  
Date: Jan. 2002  
SHEET No. 6 OF 9 SHEETS

| 6/12/02 | Added roadway geometric data. |
|---------|-------------------------------|
| DATE    | REVISION                      |

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61A-01-01 | 2002        | 17        | 35           |



See Roadway Detail Sheet No. 3A  
(Plan Sht. No. ADD. 21S-1) for Details.



| 6/18/02 | Added roadwork detail identifier. |
|---------|-----------------------------------|
| DATE    | REVISION                          |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

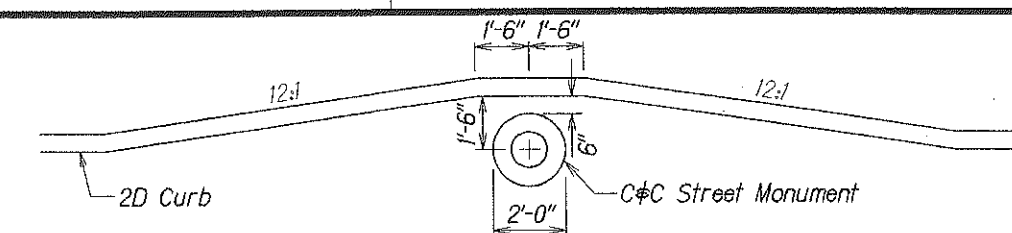
**PALI HIGHWAY SAFETY IMPROVEMENTS**  
School Street to Waikanaka Street  
Project No. 61A-01-01

Scale: 1"=40' Date: Jan. 2002

SHEET No. 8 OF 9 SHEETS

|                   |  |
|-------------------|--|
| DATE              |  |
| SURVEY PLOTTED BY |  |
| DRAWN BY          |  |
| DESIGNED BY       |  |
| CHECKED BY        |  |

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61A-01-01 | 2002        | 19        | 35           |



**CURB ADJUSTMENT AT C&C STREET MONUMENT**  
Not To Scale

Sta. 87+80 Lt. to Sta. 88+60 Lt.  
Remove exist. median curbs & pav't. and Construct 80 L.F. of New 2D Curb.

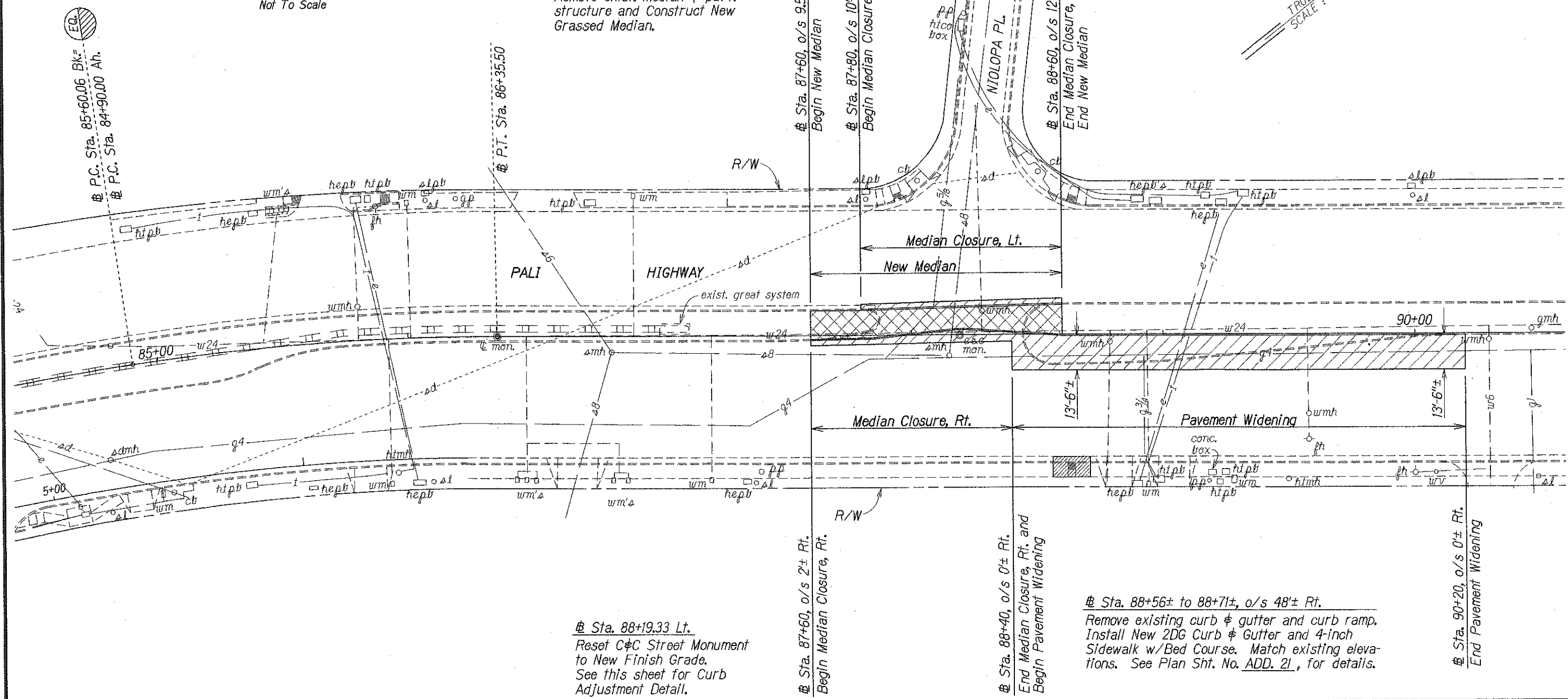
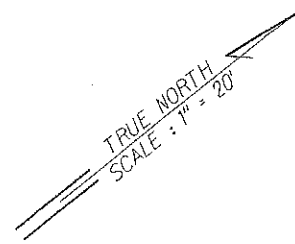
Sta. 88+28±, o/s 9± Lt.  
Adjust Water Manhole Frame and Cover to New Finish Grade of Median.

Sta. 87+60± to Sta. 88+60±  
Remove exist. median & pav't. structure and Construct New Grassed Median.

Sta. 87+60, o/s 9.5± Lt.  
Begin New Median

Sta. 87+80, o/s 10± Lt.  
Begin Median Closure, Lt.

Sta. 88+60, o/s 12± Lt.  
End Median Closure, Lt. and End New Median



Sta. 88+19.33 Lt.  
Reset C&C Street Monument to New Finish Grade. See this sheet for Curb Adjustment Detail.

Sta. 87+60, o/s 2± Rt.  
Begin Median Closure, Rt.

Sta. 88+40, o/s 0± Rt.  
End Median Closure, Rt. and Begin Pavement Widening

Sta. 88+56± to 88+71±, o/s 48± Rt.  
Remove existing curb & gutter and curb ramp. Install New 2DG Curb & Gutter and 4-inch Sidewalk w/Bed Course. Match existing elevations. See Plan Sht. No. ADD. 21, for details.

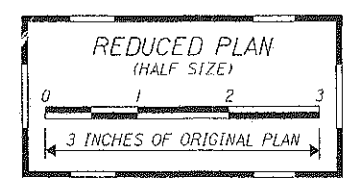
Sta. 90+20, o/s 0± Rt.  
End Pavement Widening

Sta. 88+79±, o/s 2.5± Rt.  
Adjust Water Manhole Frame and Cover to New Finish Grade of Roadway.

Sta. 87+60 Rt. to Sta. 88+40 Rt. to Sta. 90+20 Rt.  
Remove exist. median curbs & pav't. and Construct 160 L.F. of New 2D Curb & New Pavement Structure.

**LEGEND:**

- New Pavement
- New Grassed Median
- New Sidewalk, Curb & Gutter



| DATE    | REVISION                        |
|---------|---------------------------------|
| 6/12/02 | Add curb ramp replacement work. |

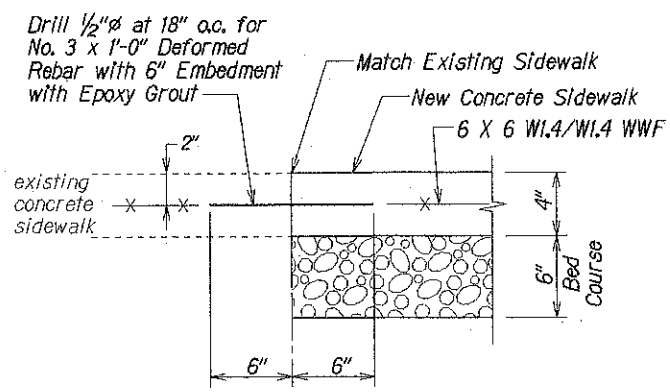
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY DETAIL**  
**PALI HIGHWAY SAFETY IMPROVEMENTS**  
School Street to Waikanaka Street  
Project No. 61A-01-01

Scale: 1"=20'  
Date: Jan. 2002  
SHEET No. 1 OF 3 SHEETS

|                   |      |        |
|-------------------|------|--------|
| ORIGINAL PLAN     | DATE | 1/2/02 |
| SURVEY PLOTTED BY |      |        |
| DESIGNED BY       |      |        |
| TRACED BY         |      |        |
| NOTED BY          |      |        |
| CHECKED BY        |      |        |

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61A-01-01 | 2002        | 21        | 35           |



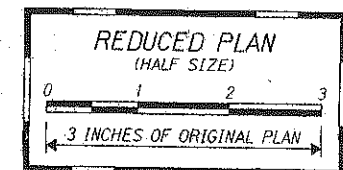
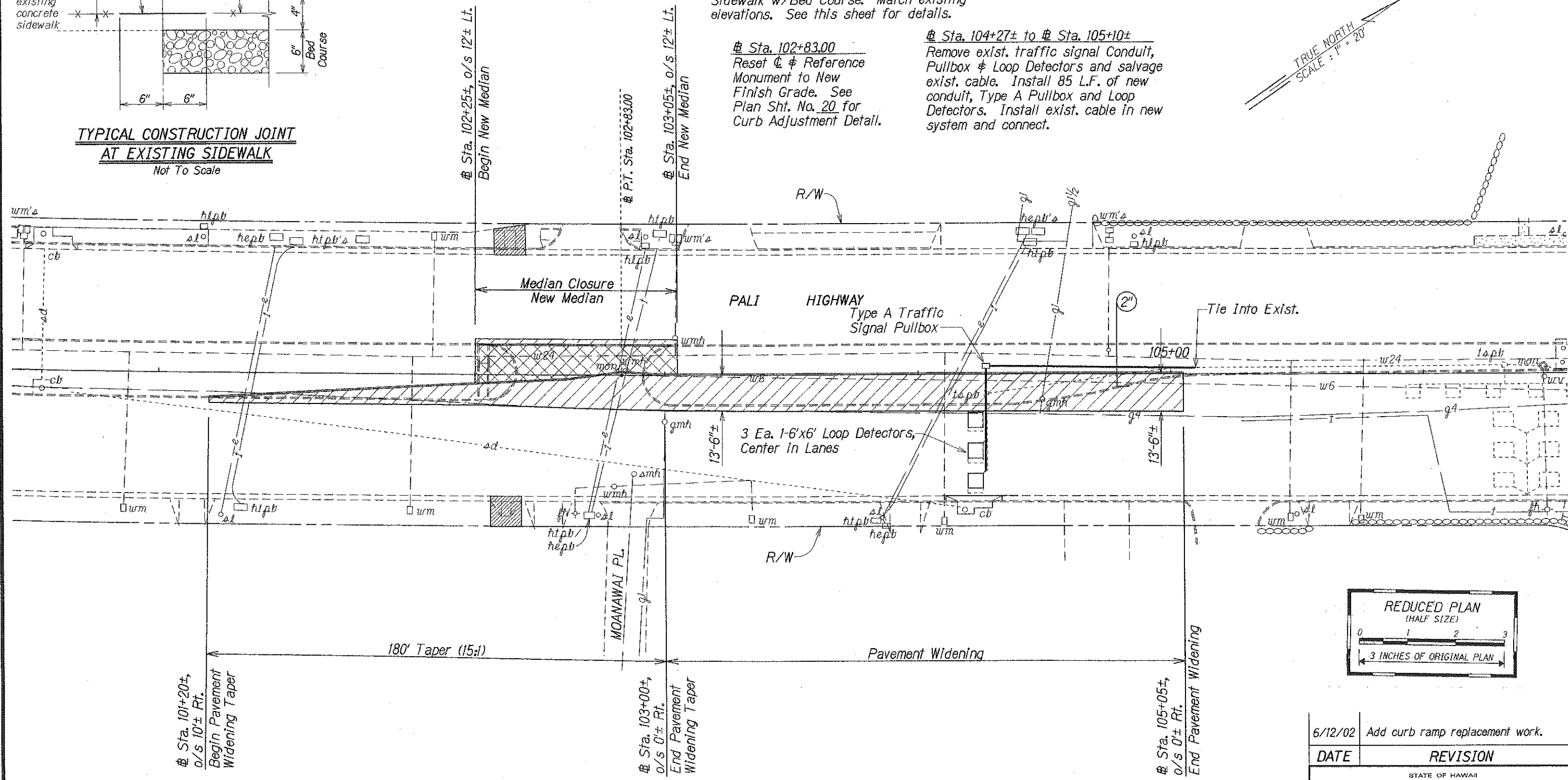
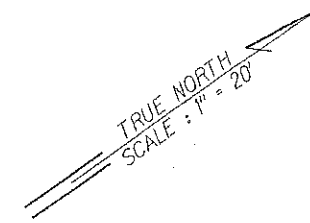
TYPICAL CONSTRUCTION JOINT  
AT EXISTING SIDEWALK  
Not To Scale

Sta. 102+25± Lt. to Sta. 103+05± Lt.  
Remove exist. curbs, median and pav't. structure. Construct 80 L.F. of New 2D Curb and Grassed Median.

Sta. 102+33± to Sta. 102+45±, o/s 48' Lt.  
Remove existing curb & gutter and curb ramp. Install New 2DG Curb & Gutter and 4-inch Sidewalk w/Bed Course. Match existing elevations. See this sheet for details.

Sta. 102+83.00  
Reset & Reference Monument to New Finish Grade. See Plan Sht. No. 20 for Curb Adjustment Detail.

Sta. 104+27± to Sta. 105+10±  
Remove exist. traffic signal Conduit, Pullbox & Loop Detectors and salvage exist. cable. Install 85 L.F. of new conduit, Type A Pullbox and Loop Detectors. Install exist. cable in new system and connect.



|               |      |         |
|---------------|------|---------|
| ORIGINAL PLAN | DATE | 12/1/02 |
| DESIGNED BY   | DATE | 12/1/02 |
| CHECKED BY    | DATE | 12/1/02 |
| NOTED BY      | DATE | 12/1/02 |
| QUANTITIES BY | DATE | 12/1/02 |
| CHECKED BY    | DATE | 12/1/02 |

LEGEND:

- New Pavement
- New Grassed Median
- New Sidewalk, Curb & Gutter

Sta. 101+20± Rt. to Sta. 102+30± Rt.  
Remove exist. median curb & gutter and median. Construct 110 L.F. of New 2DG Curb & Gutter and New Pavement Structure.

Sta. 102+30± Rt. to Sta. 105+05± Rt.  
Remove exist. median curbs, median and pav't. structure. Construct 270 L.F. of New 2D Curb and New Pavement Structure.

Sta. 102+31± to Sta. 102+43±, o/s 48' Rt.  
Remove existing curb & gutter and curb ramp. Install New 2DG Curb & Gutter and 4-inch Sidewalk w/Bed Course. Match existing elevations. See this sheet for details.

Sta. 104+49±, o/s 10± Rt.  
Maintain exist. elevation of Gas Manhole Frame and Cover.

| 6/12/02 | Add curb ramp replacement work. |
|---------|---------------------------------|
| DATE    | REVISION                        |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY DETAIL**

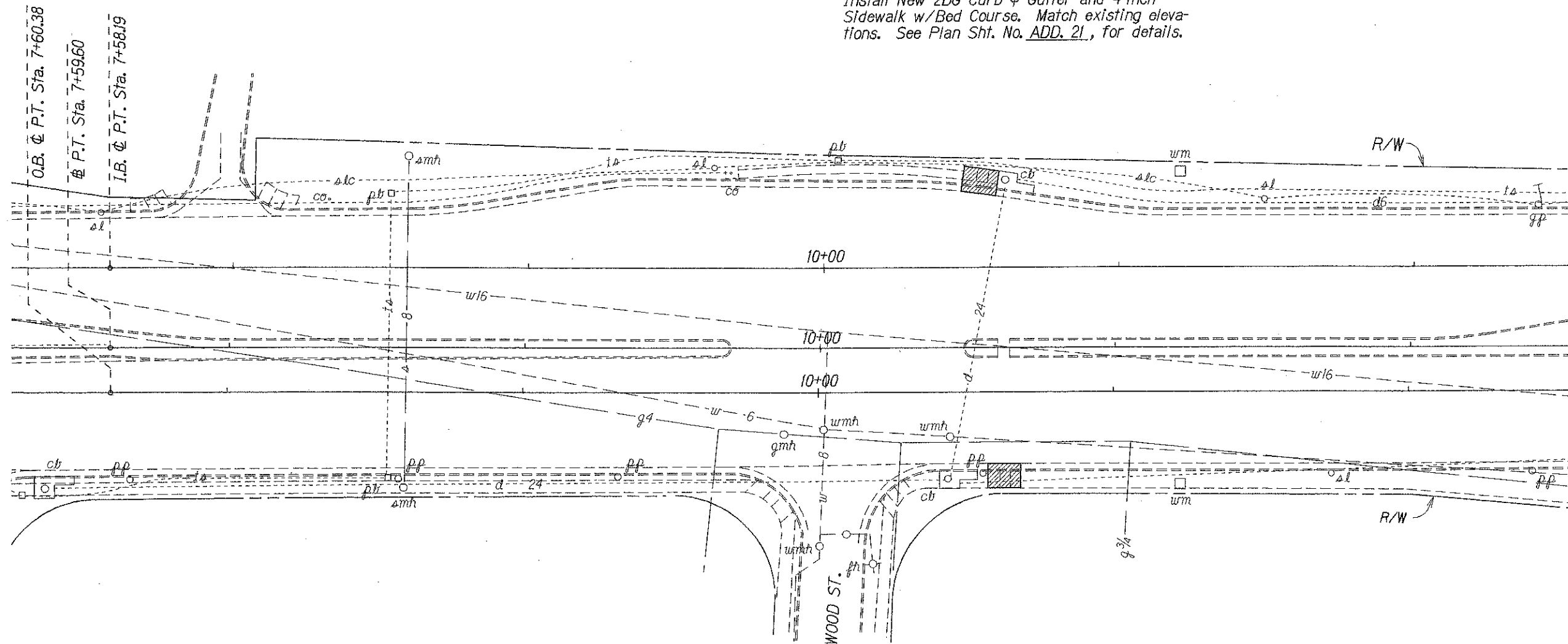
**PALI HIGHWAY SAFETY IMPROVEMENTS**  
School Street to Waikanaka Street  
Project No. 61A-01-01

Scale: 1"=20' Date: Jan. 2002

SHEET No. 3 OF 3 SHEETS

| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO.  | TOTAL SHEETS |
|---------------------|-------|-----------|-------------|------------|--------------|
| HAWAII              | HAW.  | 61A-01-01 | 2002        | ADD. 21S-1 | 35           |

# Sta. 10+48± to # Sta. 10+61± o/s 53'± Lt.  
 Remove existing curb & gutter and curb ramp.  
 Install New 2DG Curb & Gutter and 4-inch  
 Sidewalk w/Bed Course. Match existing eleva-  
 tions. See Plan Sht. No. ADD. 21, for details.



# Sta. 10+56± to # Sta. 10+68± o/s 39'± Rt.  
 Remove existing curb & gutter and curb ramp.  
 Install New 2DG Curb & Gutter and 4-inch  
 Sidewalk w/Bed Course. Match existing eleva-  
 tions. See Plan Sht. No. ADD. 21, for details.

LEGEND:

 New Sidewalk, Curb & Gutter



STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**ROADWAY DETAIL**  
 PALI HIGHWAY SAFETY IMPROVEMENTS  
 School Street to Waikanaka Street  
 Project No. 61A-01-01

| 6/18/02 | Add curb ramp replacement work. |
|---------|---------------------------------|
| DATE    | REVISION                        |

Scale: 1"=20' Date: Jan. 2002

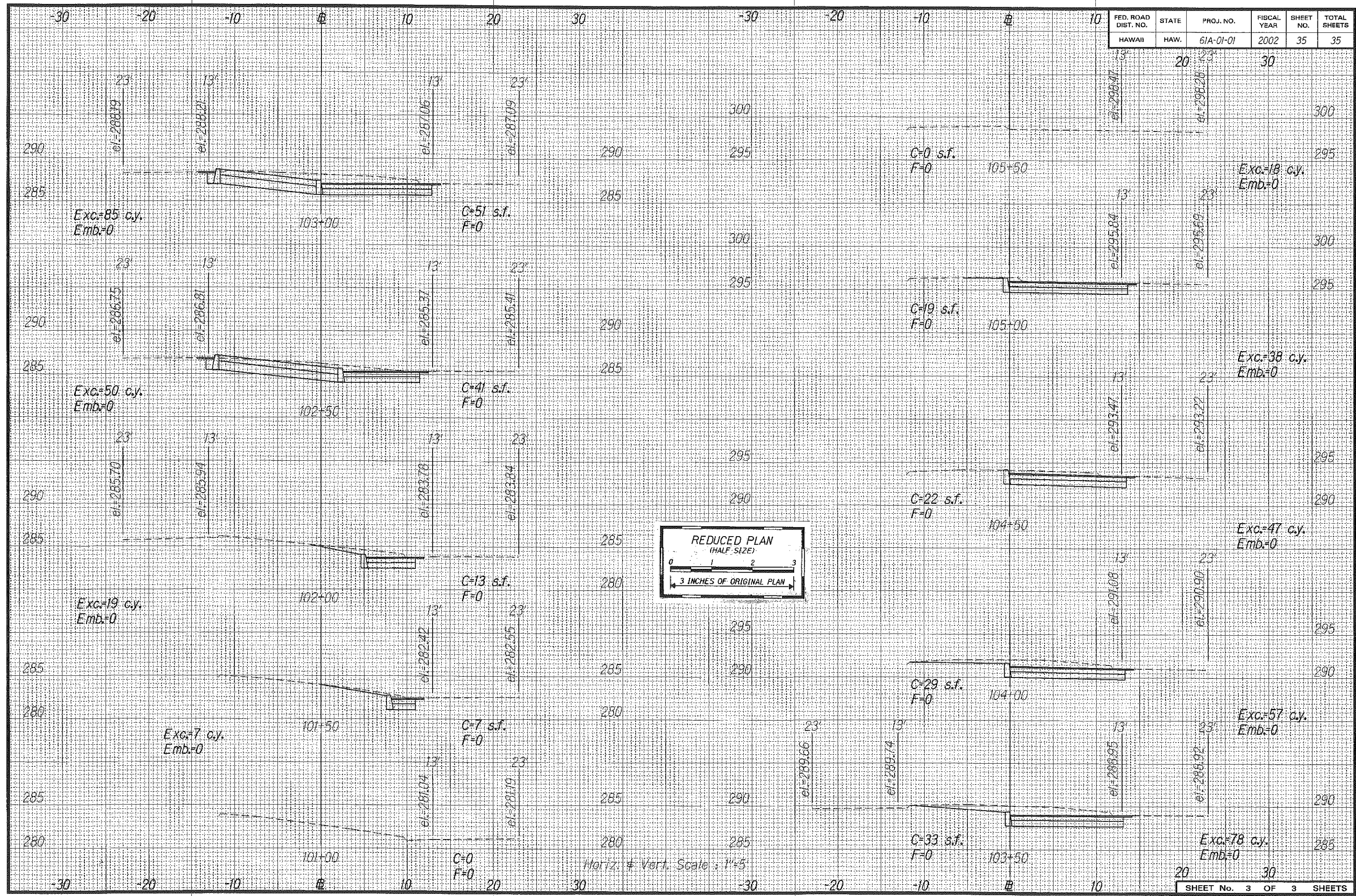
SHEET No. 3A OF 3 SHEETS

ADD. 21S-1

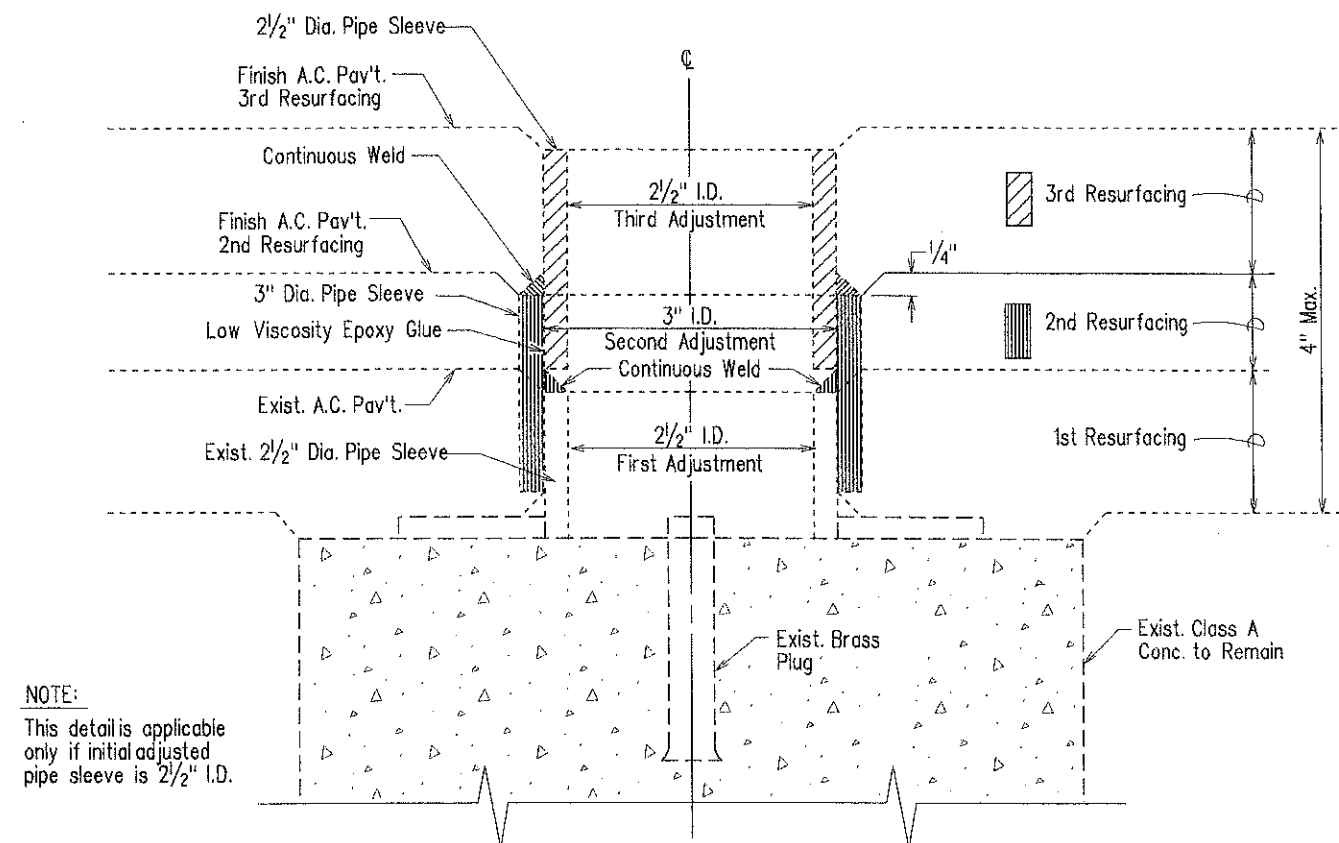
|               |         |
|---------------|---------|
| DESIGNED BY   | DATE    |
| DRAWN BY      | 7/18/02 |
| CHECKED BY    |         |
| NOTED BY      |         |
| QUANTITIES BY |         |
| CHECKED BY    |         |

ORIGINAL PLAN  
DATE 5-28-88  
DESIGNED BY  
CHECKED BY  
NOTES  
1. ALL DIMENSIONS IN FEET  
2. EXCAVATION QUANTITIES BY  
N. B. GILBERT

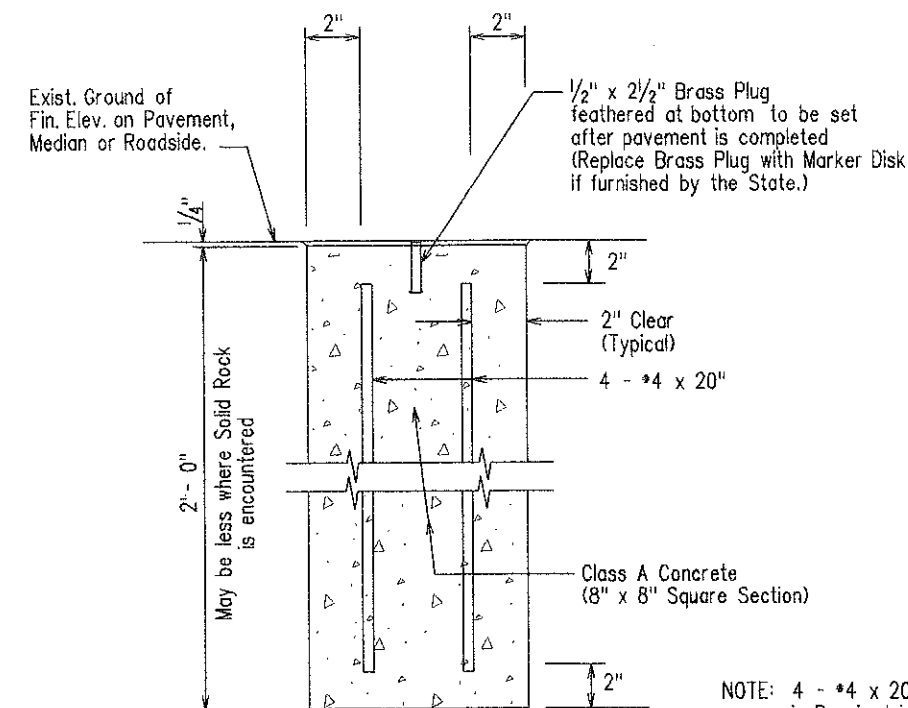
| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 61A-01-01 | 2002        | 35        | 35           |



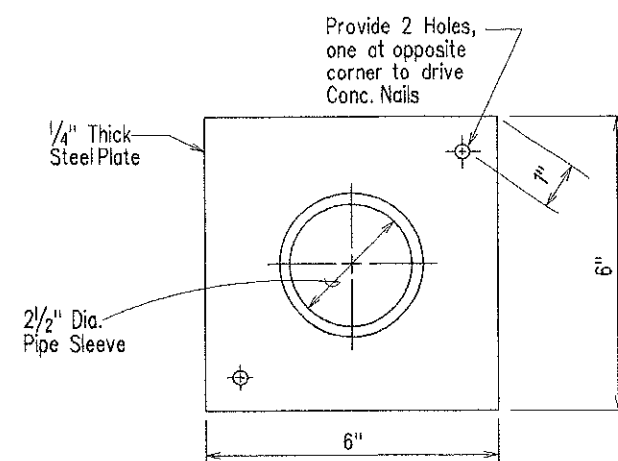
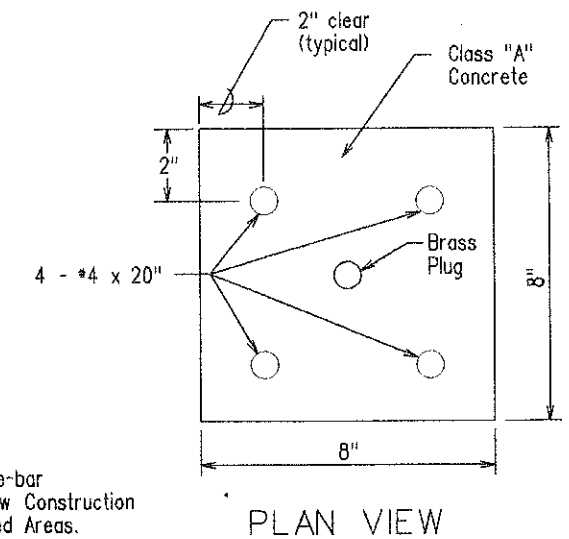
| FED. ROAD<br>DIST. NO. | STATE | PROJ. NO. | FISCAL<br>YEAR | SHEET<br>NO.  | TOTAL<br>SHEETS |
|------------------------|-------|-----------|----------------|---------------|-----------------|
| HAWAII                 | HAW.  | 61A-01-01 | 2002           | ADD.<br>355-1 | 35              |



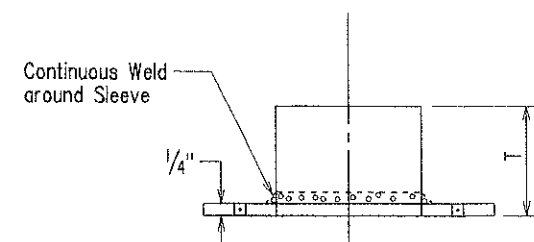
DETAIL FOR CENTERLINE MONUMENT  
(2ND & 3RD) ADJUSTMENTS



DETAIL FOR  
CENTERLINE & REFERENCE  
SURVEY MONUMENT

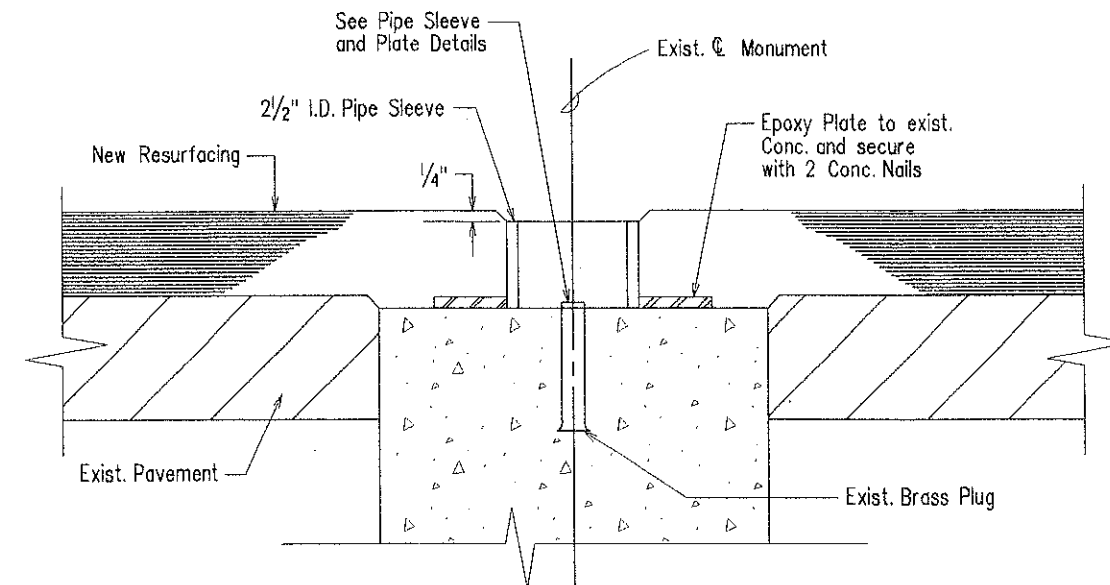


PIPE SLEEVE & PLATE PLAN

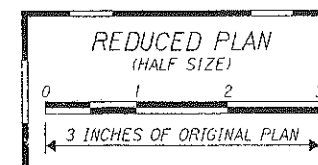


T= New Resurfacing Thickness

PIPE SLEEVE & PLATE ELEVATION



SECTION THRU MONUMENT



|         |                                              |
|---------|----------------------------------------------|
| 6/12/02 | This sheet added to original contract plans. |
| DATE    | REVISION                                     |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**CENTERLINE & REFERENCE**  
**SURVEY MONUMENTS**

PALI HIGHWAY SAFETY IMPROVEMENTS  
School Street to Waokanaka Street  
Project No. 61A-01-01

*Not To Scale* *Date: June 2002*

SHEET No. 3A OF 3 SHEETS

**ADD. 35S-1**

ADD. 35S-1