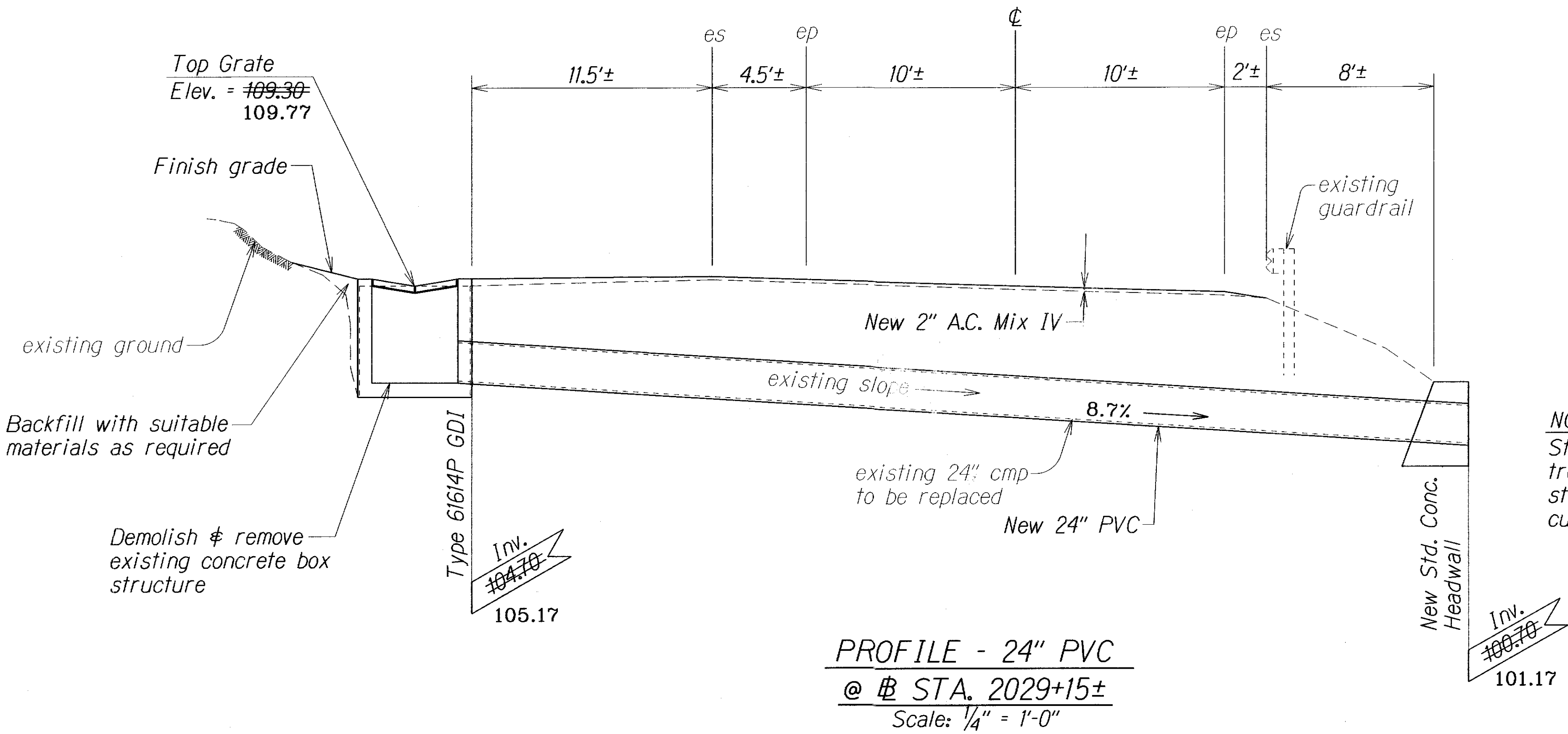
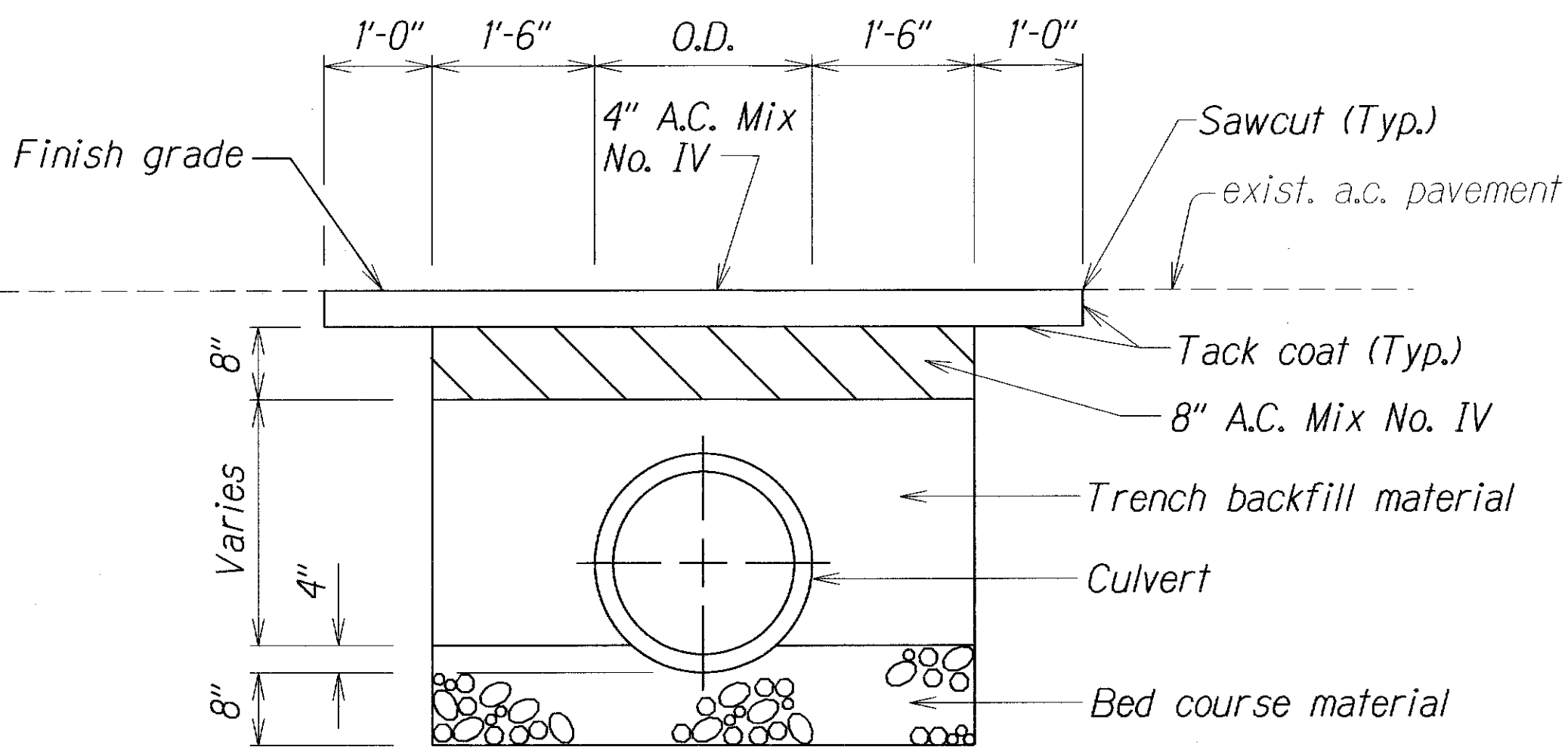
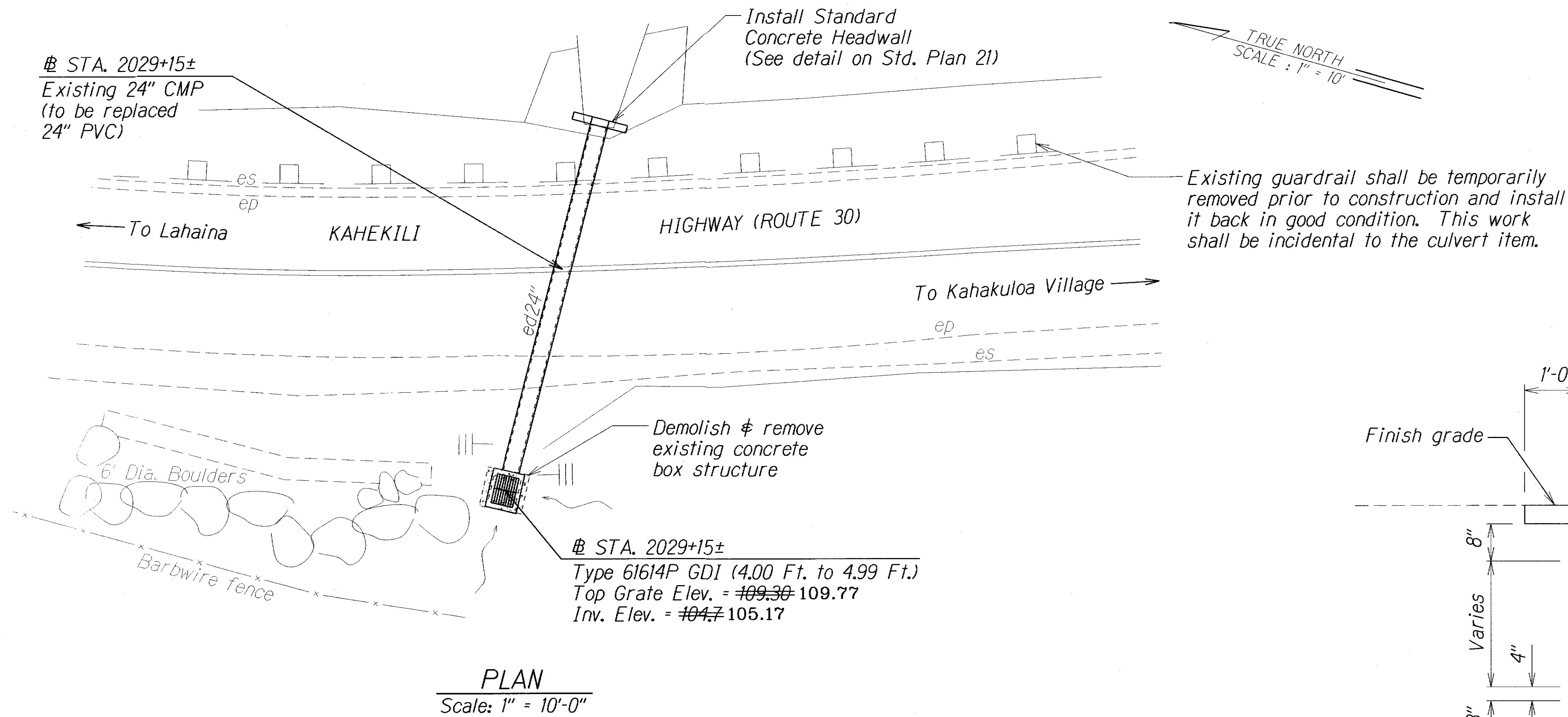


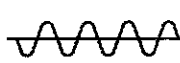
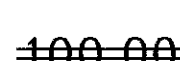
| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 30A-01-12M | 2012        | 7         | 36           |



NOTE:

Structure excavation bed course and culvert trench restoration of existing pavement structure shall be incidental to installation of culvert item.

LEGEND FOR AS-BUILT POSTINGS

|                                                                                       |                                     |
|---------------------------------------------------------------------------------------|-------------------------------------|
|  | Squiggly line for as-built deletion |
|  | Double line for as-built deletion   |
| Roadway                                                                               | Text for as-built posting           |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

DRAINAGE DETAILS

KAHEKILI HIGHWAY RESURFACING  
Honokohau to Papanahoa  
Project No. 30A-01-12M

Scale: As Shown Date: April, 2012

SHEET No. 1 OF 3 SHEETS

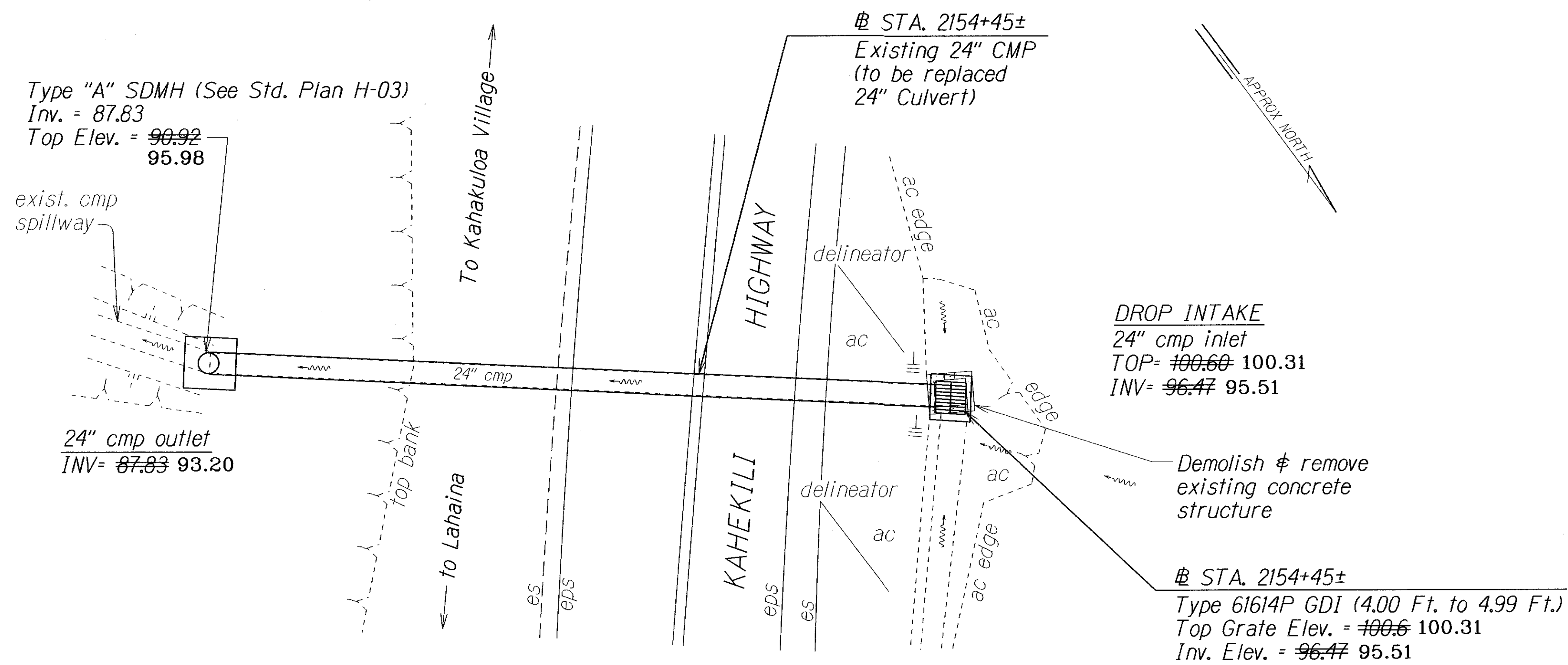
"AS-BUILT"



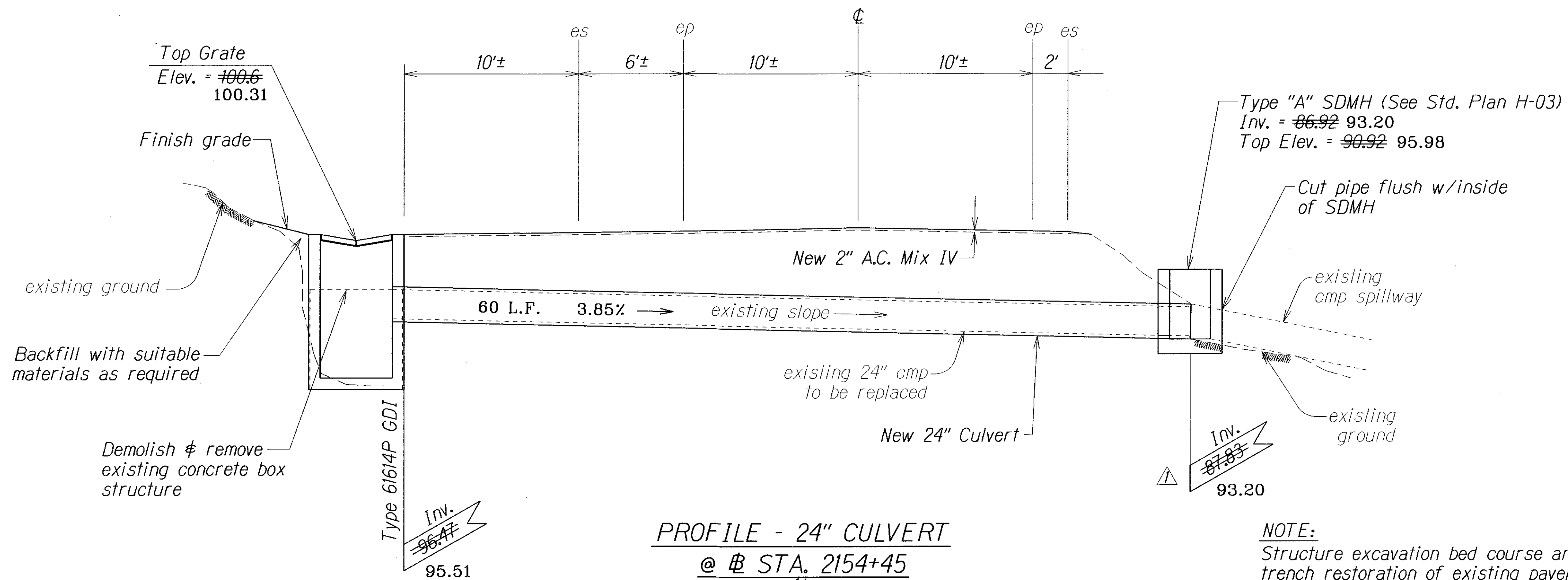




| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 30A-01-12M | 2012        | ADD.9     | 36           |



PLAN  
Scale: 1/8" = 1'-0"



PROFILE - 24" CULVERT  
@ # STA. 2154+45  
Scale: 1/4" = 1'-0"

NOTE:  
Structure excavation bed course and culvert trench restoration of existing pavement structure and demolition of existing structures and culvert shall be incidental to installation of culvert item.

#### LEGEND FOR AS-BUILT POSTINGS

|         |                                     |
|---------|-------------------------------------|
|         | Squiggly line for as-built deletion |
|         | Double line for as-built deletion   |
| Roadway | Text for as-built posting           |

6-14-12 Added invert elevation.

DATE REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

#### DRAINAGE DETAILS

KAHEKILI HIGHWAY RESURFACING  
Honokohau to Papanahoa  
Project No. 30A-01-12M

Scale: As Shown Date: April, 2012

SHEET No. 3 OF 3 SHEETS

"AS-BUILT"

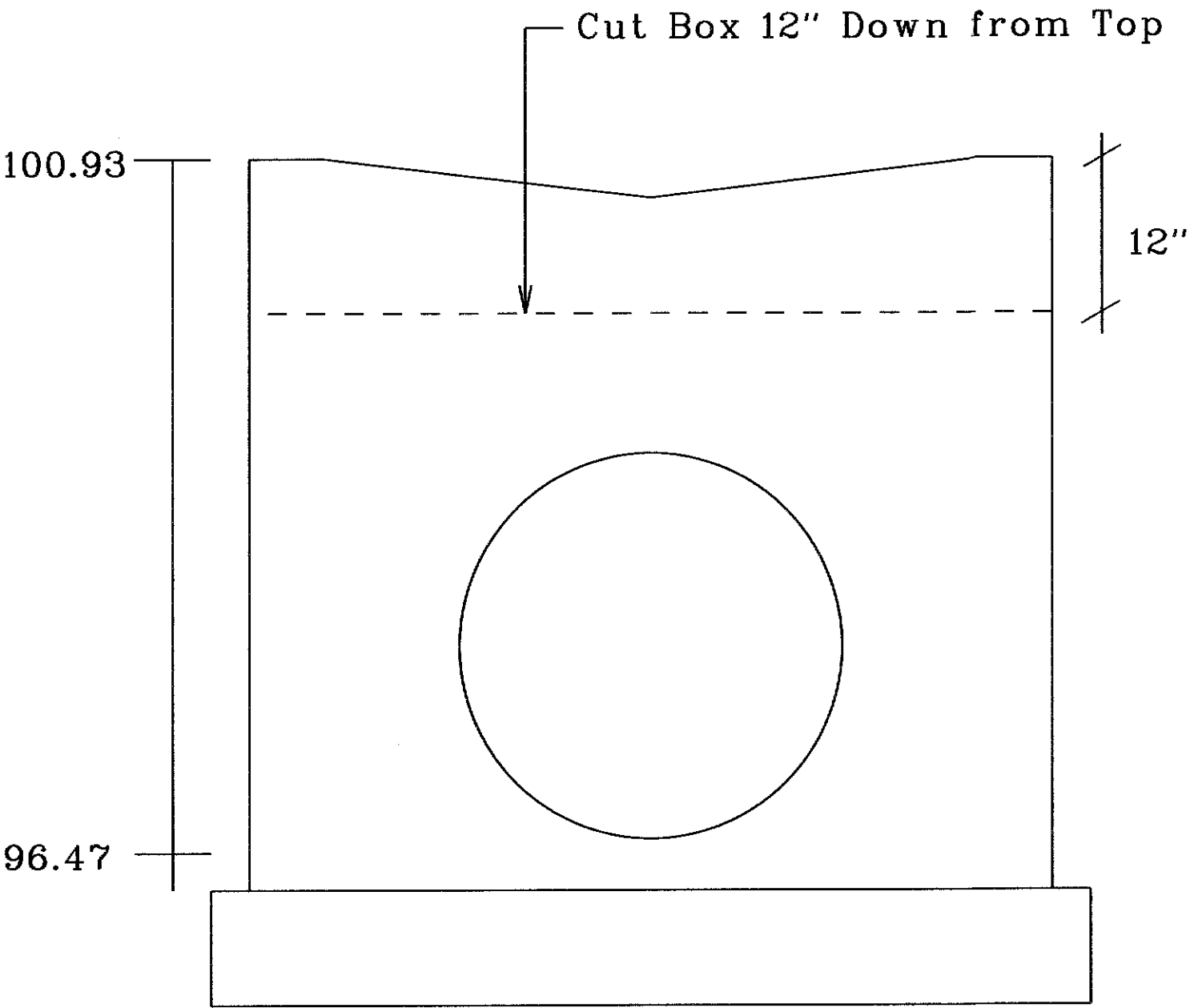
ADD.9



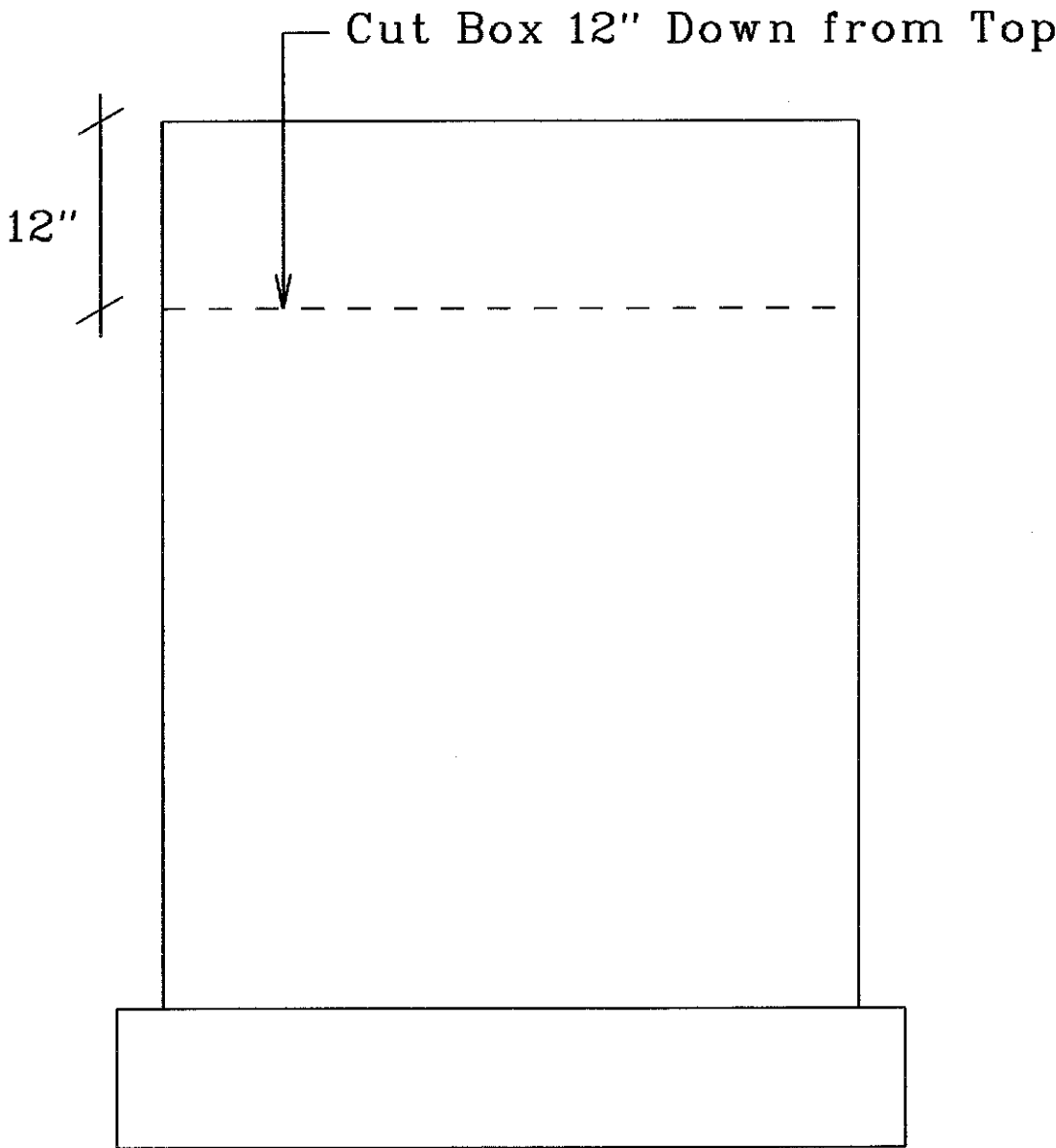
| FED. ROAD DIST. NO. | STATE | PROJ. NO.  | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 30A-01-12M | 2012        | ADD.9 S-1 | 36           |

Kahekili Highway Resurfacing  
Sections To Be Reconstructed

| Actual Measurements |                      |              |             |                           |        |
|---------------------|----------------------|--------------|-------------|---------------------------|--------|
| Station             | Description (Lane)   | Length (Ft.) | Width (Ft.) | Total Amount (cubic yard) |        |
| 1913+60             | Right                | 35           | 12          | 9.1 Aug. 15, 2013         |        |
| 1914+50             | Right                | 74           | 12          | 9.2 Aug. 15, 2013         |        |
| 1915+50             | Right                | 32           | 12          | 8.3 Aug. 15, 2013         |        |
| 1916+50             | Right                | 95           | 12          | 24.6 Aug. 15, 2013        |        |
| 1924+50             | From Center on Left  | 88           | 7.25        | 13.8 Aug. 15, 2013        |        |
| 1925+25             | From Center on Right | 60           | 7.25        | 9.4 Aug. 15, 2013         |        |
| 1930+00             | Left                 | 97           | 9           | 18.9 Aug. 15, 2013        |        |
| 1930+25             | Right                | 35           | 9           | 6.8 Aug. 15, 2013         |        |
| 1932+00             | Left                 | 453          | 10          | 97.9 Aug. 15, 2013        |        |
| 1932+75             | Right                | 77           | 10          | 16.6 Aug. 15, 2013        |        |
| 1942+25             | Across               | 7            | 23          | 3.5 Aug. 15, 2013         | 228.0  |
| 1933+75             | Right                | 48           | 9           | 9.3 Aug. 14, 2013         |        |
| 1935+50             | Right                | 96           | 9           | 18.7 Aug. 14, 2013        |        |
| 1938+50             | Left                 | 24           | 7.25        | 3.8 Aug. 14, 2013         |        |
| 1943+75             | Left                 | 42           | 7.25        | 6.6 Aug. 14, 2013         |        |
| 1946+00             | Left                 | 78           | 7.25        | 12.2 Aug. 14, 2013        |        |
| 1951+50             | Left                 | 72           | 7.25        | 11.3 Aug. 14, 2013        |        |
| 1953+50             | Right                | 11           | 7.25        | 1.7 Aug. 14, 2013         |        |
| 1959+75             | Left                 | 400          | 10          | 86.4 Aug. 14, 2013        |        |
| 1960+00             | Right                | 380          | 10          | 82.1 Aug. 14, 2013        |        |
| 1964+00             | Left                 | 58           | 10          | 12.5 Aug. 14, 2013        |        |
| 1964+00             | Right                | 24           | 10          | 5.2 Aug. 14, 2013         |        |
| 1965+00             | Right                | 12           | 10          | 2.6 Aug. 14, 2013         | 252.4  |
| 1965+00             | Left                 | 190          | 9           | 36.9 Aug. 8, 2013         |        |
| 1967+50             | Left                 | 42           | 9           | 8.2 Aug. 8, 2013          |        |
| 1970+00             | Right                | 20           | 10          | 4.3 Aug. 8, 2013          |        |
| 1987+00             | Right                | 30           | 10          | 6.5 Aug. 8, 2013          |        |
| 1997+50             | Right                | 420          | 10          | 90.7 Aug. 8, 2013         |        |
| 2002+50             | Right                | 75           | 10.50       | 17.0 Aug. 8, 2013         |        |
| 2003+75             | Right                | 175          | 10          | 37.8 Aug. 8, 2013         | 201.5  |
| 2003+50             | Left                 | 224          | 10          | 41.5 Aug. 6, 2013         |        |
| 2006+25             | Right                | 55           | 10          | 10.2 Aug. 6, 2013         |        |
| 2007+00             | Left                 | 88           | 7.25        | 11.8 Aug. 6, 2013         |        |
| 2009+50             | Right                | 284          | 10          | 52.6 Aug. 6, 2013         |        |
| 2010+25             | Left                 | 24           | 7.25        | 3.2 Aug. 6, 2013          |        |
| 2012+50             | Left                 | 175          | 10          | 32.4 Aug. 6, 2013         |        |
| 2013+00             | Right                | 16           | 7.25        | 2.1 Aug. 6, 2013          | 153.9  |
| 2034+50             | Left                 | 80           | 10          | 14.8 Aug. 5, 2013         |        |
| 2036+50             | Right                | 47           | 10          | 8.7 Aug. 5, 2013          |        |
| 2036+75             | Left                 | 47           | 10          | 8.7 Aug. 5, 2013          |        |
| 2044+00             | Left                 | 125          | 11.50       | 26.6 Aug. 5, 2013         |        |
| 2056+75             | Right                | 10           | 7.25        | 1.3 Aug. 5, 2013          |        |
| 2066+00             | Left                 | 260          | 11          | 53.0 Aug. 5, 2013         | 113.1  |
| 2074+50             | Left                 | 80           | 10          | 14.8 July 26, 2013        |        |
| 2085+00             | Right                | 170          | 10          | 31.5 July 26, 2013        |        |
| 2086+00             | Left                 | 52           | 7.25        | 7.0 July 26, 2013         |        |
| 2107+25             | Right                | 19           | 10          | 3.5 July 26, 2013         |        |
| 2107+25             | Left                 | 34           | 7.25        | 4.6 July 26, 2013         |        |
| 2108+00             | Left                 | 119          | 10          | 22.0 July 26, 2013        |        |
| 2114+25             | Left                 | 28           | 7.25        | 3.8 July 26, 2013         | 91.6   |
| 2129+25             | Right                | 64           | 10          | 11.9 July 24, 2013        |        |
| 2129+25             | Left                 | 36           | 10          | 6.7 July 24, 2013         |        |
| 2134+25             | Right                | 28           | 10          | 5.2 July 24, 2013         |        |
| 2135+00             | Right                | 27           | 10          | 5.0 July 24, 2013         |        |
| 2135+00             | Left                 | 20           | 7.25        | 2.7 July 24, 2013         | 35.1   |
| 2159+00             | Left                 | 25           | 7.25        | 3.4 July 23, 2013         |        |
| 2159+00             | Right                | 15           | 10          | 2.8 July 23, 2013         |        |
| 2160+00             | Left                 | 30           | 10          | 5.6 July 23, 2013         |        |
| 2194+00             | Right                | 98           | 7.25        | 13.2 July 23, 2013        |        |
| 2194+50             | Left                 | 130          | 7.25        | 17.5 July 23, 2013        |        |
| 2198+75             | Left                 | 55           | 7.25        | 7.4 July 23, 2013         |        |
| 2199+75             | Left                 | 119          | 10          | 22.0 July 23, 2013        | 71.7   |
|                     |                      |              |             | 1,139.40 CY               | 1147.3 |

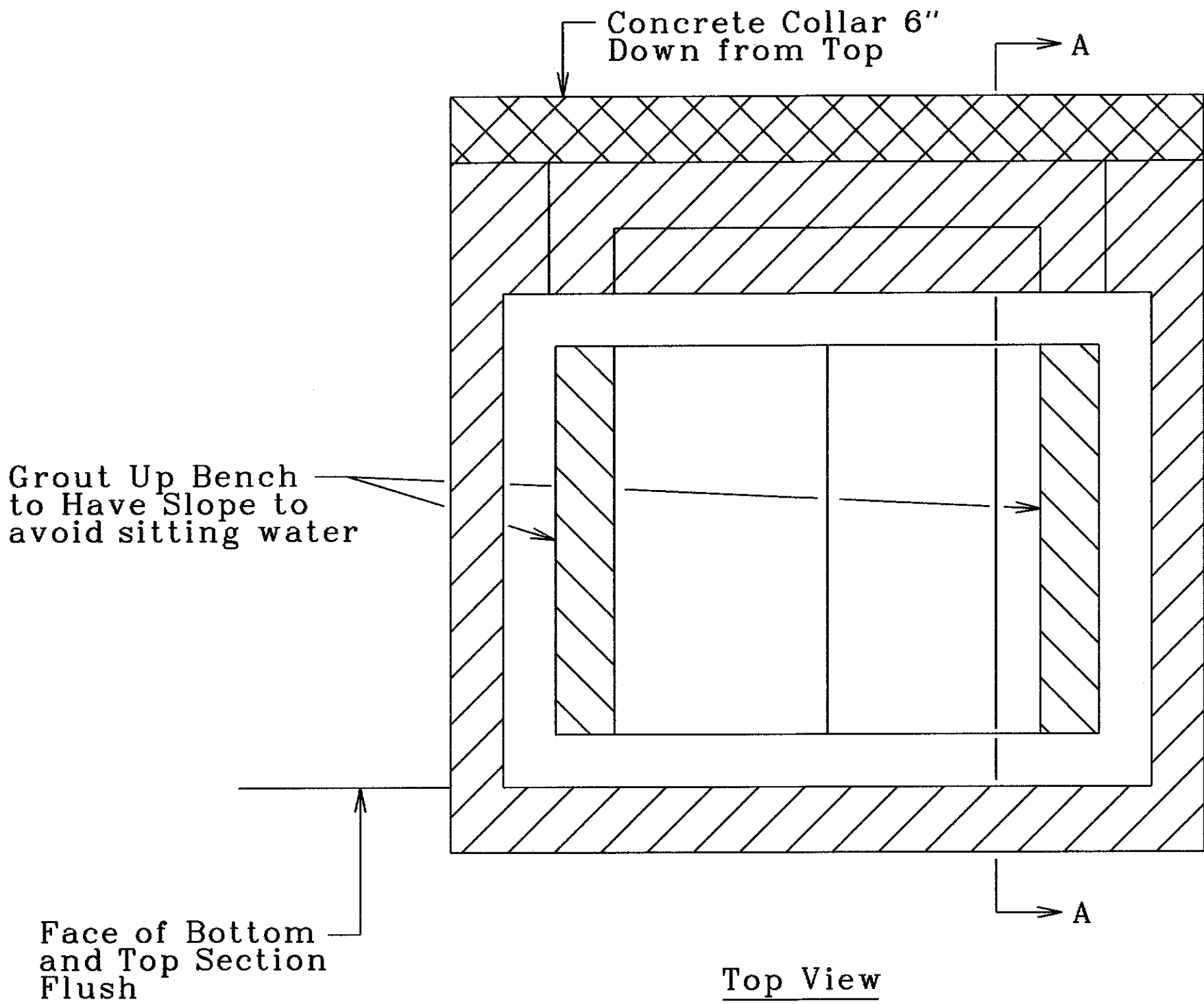


Front View  
Scale: Not to Scale

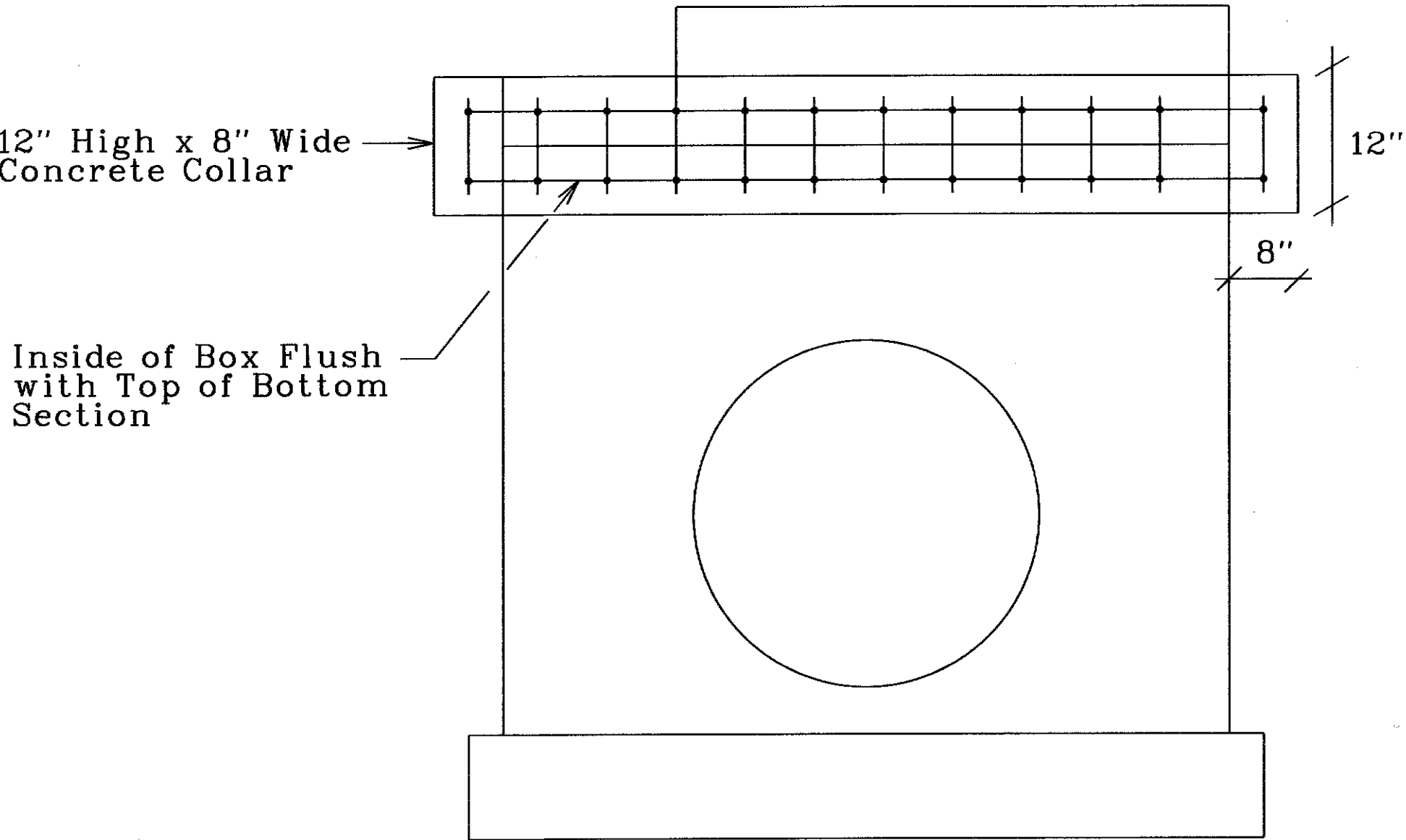


Side View  
Scale: Not to Scale

\*4 Dowels @ 8" o.c.  
\*5 Longitudinal Bars 2 ea.  
\*4 Verticle Ties @ 8" o.c.



Top View  
with Cut Section Turned 90°  
Scale: Not to Scale



Section A-A  
Scale: Not to Scale

Notes: 1. Grout Interior of Box for Smooth Finish  
Between Top and Bottom Section  
2. Dowels to be Installed Around the Entire  
Entire Perimeter of Box

LEGEND FOR  
AS-BUILT POSTINGS

~~~~~ Squiggly line for  
as-built deletion  
~~100-00~~ Double line for  
as-built deletion  
Roadway Text for as-built  
posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

DETAILS

KAHEKILI HIGHWAY RESURFACING  
Honokohau to Papanahoa  
Project No. 30A-01-12M

Scale: Not to Scale Date: Sept, 2015

SHEET No. 1 OF 1 SHEETS

"AS-BUILT"

ADD.9 S-1